

5.8.1. PUBLICACIONES ARBITRADAS

N°	Título	Año	Autores	Revista	DOI
1	"Super-deblended" Dust Emission in Galaxies. II. Far-IR to (Sub)millimeter Photometry and High-redshift Galaxy Candidates in the Full COSMOS Field	2018	Jin, Shuowen; Daddi, Emanuele; Liu, Daizhong; Smolčić, Vernesa; Schinnerer, Eva; Calabrò, Antonello; Gu, Qiusheng; Delhaize, Jacinta; Delvecchio, Ivan; Gao, Yu; Salvato, Mara; Puglisi, Annagrazia; Dickinson, Mark; Bertoldi, Frank; Sargent, Mark; Novak, Mladen; Magdis, Georgios; Aretxaga, Itziar; Wilson, Grant W.; Capak, Peter	Astrophysical Journal	10.3847/1538-4357/aa44af
2	A Continuous 100-mK Helium-Light Cooling System for MUSCAT on the LMT	2018	T. L. R. Brien, E. Castillo-Dominguez, S. Chase, S. M. Doyle	Instrumentation and Methods for Astrophysics	10.1007/s10909-018-2024-y
3	A dusty star-forming galaxy at $z = 6$ revealed by strong gravitational lensing	2018	Zavala, Jorge A.; Montaña, Alfredo; Hughes, David H.; Yun, Min S.; Ivison, R. J.; Valiante, Elisabetta; Wilner, David; Spilker, Justin; Aretxaga, Itziar; Eales, Stephen; Avila-Reese, Vladimir; Chávez, Miguel; Cooray, Asantha; Dannerbauer, Helmut; Dunlop, James S.; Dunne, Loretta; Gómez-Ruiz, Arturo I.; Michałowski, Michał J.; Narayanan, Gopal; Nayyeri, Hooshang; Oteo, Ivan; Rosa González, Daniel; Sánchez-Argüelles, David; Schloerb, F. Peter; Serjeant, Stephen; Smith, Matthew W. L.; Terlevich, Elena; Vega, Olga; Villalba, Alan (est.); van der Werf, Paul; Wilson, Grant W.; Zeballos, Milagros	Nature Astronomy	10.1038/s41550-017-0297-8
4	A search for dark matter in the Galactic halo with HAWC	2018	Abeysekara, A. U.; Albert, A.; Alfaro, R.; Alvarez, C.; Arceo, R.; Arteaga-Velázquez, J. C.; Avila Rojas, D.; Ayala Solares, H. A.; Becerril, A.; Belmont-Moreno, E.; BenZvi, S. Y.; Bernal, A.; Brisbois, C.; Caballero-Mora, K. S.; Capistrán, T. (est.); Carramiñana, A.; Casanova, S.; Castillo, M.; Cotti, U.; Cotzomi, J.; De León, C.; De la Fuente, E.; Diaz Hernandez, R.; Dingus, B. L.; DuVernois, M. A.; Díaz-Vélez, J. C.; Engel, K.; Enríquez-Rivera, O.; Fiorino, D. W.; Fleischhack, H.; Fraija, N.; García-González, J. A.; Garfías, F.; González Muñoz, A.; González, M. M.; Goodman, J. A.; Hampel-Arias, Z.; Harding, J. P.; Hernandez, S.; Hernandez-Almada, A.; Hueyotl-Zahuantitla, F.; Hüntemeyer, P.; Iriarte, A.; Jardin-Blicq, A.; Joshi, V.; Kaufmann, S.; Lauer, R. J.; Lee, W. H.; Lennarz, D.; León Vargas, H.; Linnemann, J. T.; Longinotti, A. L.; Luis-Raya, G.; Luna-García, R.; López-Coto, R.; Malone, K.; Marinelli, S. S.; Martínez, O.; Martínez-Castellanos, I.; Martínez-Castro, J.; Matthews, J. A.; Miranda-Romagnoli, P.; Moreno, E.; Mostafá, M.; Nellen, L.; Newbold, M.; Nisa, M. U.; Noriega-Papaqui, R.; Pelayo, R.; Pretz, J.; Pérez-Pérez, E. G.; Ren, Z.; Rho, C. D.; Rodd, N. L.; Rosa-González, D.; Rosenberg, M.; Ruiz-Velasco, E.; Safdi, B. R.; Salazar, H.; Salesa Greus, F.; Sandoval, A.; Schneider, M.; Sinnis, G.; Smith, A. J.; Springer, R. W.; Surajbali, P.; Taboada, I.; Tibolla, O.; Tollefson, K.; Torres, I.; Ukwatta, T. N.; Vianello, G.; Villaseñor, L.; Weisgarber, T.; Westerhoff, S.; Wisher, I. G.; Wood, J.; Yapici, T.; Yodh, G. B.; Younk, P. W.; Zepeda, A.; Zhou, H.; Álvarez, J. D.	Journal of Cosmology and Astroparticle Physics	10.1088/1475-7516/2018/02/049
5	ALMA 26 arcmin ² Survey of GOODS-S at One-millimeter (ASAGAO): X-Ray AGN Properties of Millimeter-selected Galaxies	2018	Ueda, Y.; Hatsukade, B.; Kohno, K.; Yamaguchi, Y.; Tamura, Y.; Umehata, H.; Akiyama, M.; Ao, Y.; Aretxaga, I.; Caputi, K.; Dunlop, J. S.; Espada, D.; Fujimoto, S.; Hayatsu, N. H.; Imanishi, M.; Inoue, A. K.; Ivison, R. J.; Kodama, T.; Lee, M. M.; Matsuoka, K.; Miyaji, T.; Morokuma-Matsui, K.; Nagao, T.; Nakanishi, K.; Nyland, K.; Ohta, K.; Ouchi, M.; Rujopakarn, W.; Saito, T.; Tadaki, K.; Tanaka, I.; Taniguchi, Y.; Wang, T.; Wang, W.-H.; Yoshimura, Y.; Yun, M. S.	Astrophysical Journal	10.3847/1538-4357/aa9f10
6	An independent determination of the local Hubble constant	2018	Fernández Arenas, David (est.); Terlevich, Elena; Terlevich, Roberto; Melnick, Jorge; Chávez, Ricardo; Bresolin, Fabio; Telles, Eduardo; Plionis, Manolis; Basilakos, Spyros	Monthly Notices of the Royal Astronomical Society	10.1093/mnras/stx2710
7	Atmospheric variability at the summit of Sierra Negra, Mexico, from 2012 July to 2015 October	2018	Barrantes, M.; Valdés-Galicia, J. F.; González, L. X.; Carrasco, E.; Carramiñana, A.; Reyes, J.; Musalém, O.; Hurtado, A.	Monthly Notices of the Royal Astronomical Society	10.1093/mnras/stx2439

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8	Authenticating the Presence of a Relativistic Massive Black Hole Binary in OJ 287 Using Its General Relativity Centenary Flare: Improved Orbital Parameters	2018	Dey, Lankeswar; Valtonen, M. J.; Gopakumar, A.; Zola, S.; Hudec, R.; Pihajoki, P.; Ciprini, S.; Matsumoto, K.; Sadakane, K.; Kidger, M.; Nilsson, K.; Mikkola, S.; Sillanpää, A.; Takalo, L. O.; Lehto, H. J.; Berdyugin, A.; Pirola, V.; Jermak, H.; Baliyan, K. S.; Pursimo, T.; Caton, D. B.; Alicavus, F.; Baransky, A.; Blay, P.; Boumies, P.; Boyd, D.; Campas Torrent, M.; Campos, F.; Carrillo Gómez, J.; Chandra, S.; Chavushyan, V.; Dalessio, J.; Debski, B.; Drozd, M.; Er, H.; Erdem, A.; Escartin Pérez, A.; Fallah Ramazani, V.; Filippenko, A. V.; Gafton, E.; Ganesh, S.; Garcia, F.; Gazeas, K.; Godunova, V.; Gómez Pinilla, F.; Gopinathan, M.; Haislip, J. B.; Harmanen, J.; Hurst, G.; Janík, J.; Jelinek, M.; Joshi, A.; Kagitani, M.; Karjalainen, R.; Kaur, N.; Keel, W. C.; Kouprianov, V. V.; Kundera, T.; Kurowski, S.; Kvammen, A.; LaCluyze, A. P.; Lee, B. C.; Liakos, A.; Lindfors, E.; Lozano de Haro, J.; Mugrauer, M.; Naves Nogueas, R.; Neely, A. W.; Nelson, R. H.; Ogloza, W.; Okano, S.; Pajdosz-Smierciak, U.; Pandey, J. C.; Perri, M.; Poyner, G.; Provencal, J.; Raj, A.; Reichart, D. E.; Reinthal, R.; Reynolds, T.; Saario, J.; Sadegi, S.; Sakanoi, T.; Salto González, J.-L.; Sameer; Schweyer, T.; Simon, A.; Siwak, M.; Soldán Alfaro, F. C.; Sonbas, E.; Steele, I.; Stocke, J. T.; Strobl, J.; Tomov, T.; Tremosa Espasa, L.; Valdes, J. R.; Valero Pérez, J.; Verrecchia, F.; Vasylenko, V.; Webb, J. R.; Yoneda, M.; Zejmo, M.; Zheng, W.; Zielinski, P.	Astrophysical Journal	10.3847/1538-4357/aadd95
9	AzTEC 1.1 mm observations of high-z protocluster environments: SMG overdensities and misalignment between AGN jets and SMG distribution	2018	Zeballos, M.; Aretxaga, I.; Hughes, D. H.; Humphrey, A.; Wilson, G. W.; Austermann, J.; Dunlop, J. S.; Ezawa, H.; Ferrusca, D.; Hatsukade, B.; Ivison, R. J.; Kawabe, R.; Kim, S.; Kodama, T.; Kohno, K.; Montaña, A.; Nakanishi, K.; Plionis, M.; Sánchez-Argüelles, D.; Stevens, J. A.; Tamura, Y.; Velazquez, M.; Yun, M. S.	Monthly Notices of the Royal Astronomical Society	10.1093/mnras/sty1714
10	C/O ratios in planetary nebulae with dual-dust chemistry from faint optical recombination lines	2018	García-Rojas, J.; Delgado-Inglada, G.; García-Hernández, D. A.; Dell'Agli, F.; Lugaro, M.; Karakas, A. I.; Rodríguez, M.	Monthly Notices of the Royal Astronomical Society	10.1093/mnras/stx2519
11	Characterization and Performance of the Cananea Near-infrared Camera (CANICA)	2018	Devaraj, R. (est.); Mayya, Y. D.; Carrasco, L.; Luna, A.	Publications of the Astronomical Society of the Pacific	10.1088/1538-3873/aaa9ab
12	Comprehensive Analysis of HD 105, A Young Solar System Analog	2018	Marshall, J. P.; Milli, J.; Choquet, É.; del Burgo, C.; Kennedy, G. M.; Matrà, L.; Ertel, S.; Boccaletti, A.	Astrophysical Journal	10.3847/1538-4357/aaec6a
13	Constraining the $\langle p \rangle$ ratio in TeV cosmic rays with observations of the Moon shadow by HAWC	2018	Abeysekara, A. U.; Albert, A.; Alfaro, R.; Alvarez, C.; Álvarez, J. D.; Arceo, R.; Arteaga-Velázquez, J. C.; Avila Rojas, D.; Ayala Solares, H. A.; Belmont-Moreno, E.; BenZvi, S. Y.; Braun, J.; Brisbois, C.; Caballero-Mora, K. S.; Capistrán, T. (est.); Carramiñana, A.; Casanova, S.; Castillo, M.; Cotti, U.; Cotzomi, J.; Coutiño de León, S. (est.); De León, C.; De la Fuente, E.; Diaz Hernandez, R.; Dichiara, S.; Dingus, B. L.; DuVernois, M. A.; Ellsworth, R. W.; Engel, K.; Enríquez-Rivera, O.; Fleischhack, H.; Fraija, N.; Galván-Gómez, A.; García-González, J. A.; González Muñoz, A.; González, M. M.; Hampel-Arias, Z.; Harding, J. P.; Hernandez, S.; Hona, B.; Hueyotl-Zahuantitla, F.; Hui, C. M.; Hütemeyer, P.; Iriarte, A.; Jardin-Blicq, A.; Joshi, V.; Kaufmann, S.; Lara, A.; Lee, W. H.; León Vargas, H.; Linnemann, J. T.; Longinotti, A. L.; Luis-Raya, G.; Luna-García, R.; López-Coto, R.; Malone, K.; Marinelli, S. S.; Martínez, O.; Martínez-Castellanos, I.; Martínez-Castro, J.; Martínez-Huerta, H.; Matthews, J. A.; Miranda-Romagnoli, P.; Moreno, E.; Mostafá, M.; Nellen, L.; Newbold, M.; Nisa, M. U.; Noriega-Papaqui, R.; Pelayo, R.; Pretz, J.; Pérez-Pérez, E. G.; Ren, Z.; Rho, C. D.; Rivière, C.; Rosa-González, D.; Rosenberg, M.; Ruiz-Velasco, E.; Salesa Greus, F.; Sandoval, A.; Schneider, M.; Schoorlemmer, H.; Seglar Arroyo, M.; Sinnis, G.; Smith, A. J.; Springer, R. W.; Surajbali, P.; Taboada, I.; Tibolla, O.; Torres, I.; Villaseñor, L.; Weisgarber, T.; Westerhoff, S.; Wood, J.; Yapici, T.; Yodh, G. B.; Zepeda, A.; Zhou, H.; HAWC Collaboration	Physical Review D,	10.1103/PhysRevD.97.102005

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14	Constraints on spin-dependent dark matter scattering with long-lived mediators from TeV observations of the Sun with HAWC	2018	Albert, A.; Alfaro, R.; Alvarez, C.; Arceo, R.; Arteaga-Velázquez, J. C.; Avila Rojas, D.; Ayala Solares, H. A.; Belmont-Moreno, E.; BenZvi, S. Y.; Brisbois, C.; Caballero-Mora, K. S.; Capistrán, T.; Carramiñana, A.; Casanova, S.; Castillo, M.; Cotzomi, J.; Coutiño de León, S.; De León, C.; De la Fuente, E.; Dichiara, S.; Dings, B. L.; DuVernois, M. A.; Díaz-Vélez, J. C.; Engel, K.; Enríquez-Rivera, O.; Espinoza, C.; Fleischhack, H.; Fraija, N.; García-González, J. A.; Garfias, F.; González, M. M.; Goodman, J. A.; Hampel-Arias, Z.; Harding, J. P.; Hernandez, S.; Hona, B.; Hueyotl-Zahuantitla, F.; Hütemeyer, P.; Iriarte, A.; Jardin-Blicq, A.; Joshi, V.; Kaufmann, S.; León Vargas, H.; Luis-Raya, G.; Lundeen, J.; López-Coto, R.; Malone, K.; Marinelli, S. S.; Martinez, O.; Martinez-Castellanos, I.; Martínez-Castro, J.; Miranda-Romagnoli, P.; Moreno, E.; Mostafá, M.; Nayerhoda, A.; Nellen, L.; Newbold, M.; Nisa, M. U.; Noriega-Papaqui, R.; Pretz, J.; Pérez-Pérez, E. G.; Ren, Z.; Rho, C. D.; Rivière, C.; Rosa-González, D.; Rosenberg, M.; Ruiz-Velasco, E.; Salazar, H.; Salesa Greus, F.; Sandoval, A.; Schneider, M.; Seglar Arroyo, M.; Sinnis, G.; Smith, A. J.; Springer, R. W.; Surajbali, P.; Taboada, I.; Tibolla, O.; Tollefson, K.; Torres, I.; Villaseñor, L.; Weisgarber, T.; Westerhoff, S.; Wisher, I. G.; Wood, J.; Yapici, T.; Zepeda, A.; Zhou, H.; Alvarez, J. D.; Beacom, J. F.; Leane, R. K.; Linden, T.; Ng, K. C. Y.; Peter, A. H. G.; Zhou, B.; HAWC Collaboration	Physical Review D	10.1103/PhysRevD.98.123012
15	Dark Matter Limits from Dwarf Spheroidal Galaxies with the HAWC Gamma-Ray Observatory	2018	Albert, A.; Alfaro, R.; Alvarez, C.; Álvarez, J. D.; Arceo, R.; Arteaga-Velázquez, J. C.; Avila Rojas, D.; Ayala Solares, H. A.; Bautista-Elivar, N.; Becerril, A.; Belmont-Moreno, E.; BenZvi, S. Y.; Bernal, A.; Braun, J.; Brisbois, C.; Caballero-Mora, K. S.; Capistrán, T. (est.); Carramiñana, A.; Casanova, S.; Castillo, M.; Cotti, U.; Cotzomi, J.; Coutiño de León, S. (est.); De León, C.; De la Fuente, E.; Diaz Hernandez, R.; Dings, B. L.; DuVernois, M. A.; Díaz-Vélez, J. C.; Ellsworth, R. W.; Engel, K.; Fiorino, D. W.; Fraija, N.; García-González, J. A.; Garfias, F.; González, M. M.; Goodman, J. A.; Hampel-Arias, Z.; Harding, J. P.; Hernandez, S.; Hernandez-Almada, A.; Hona, B.; Hütemeyer, P.; Iriarte, A.; Jardin-Blicq, A.; Joshi, V.; Kaufmann, S.; Kieda, D.; Lauer, R. J.; Lennarz, D.; León Vargas, H.; Linnemann, J. T.; Longinotti, A. L.; Longo Proper, M.; Raya, G. Luis; Luna-García, R.; López-Coto, R.; Malone, K.; Marinelli, S. S.; Martinez-Castellanos, I.; Martínez-Castro, J.; Martínez-Huerta, H.; Matthews, J. A.; Miranda-Romagnoli, P.; Moreno, E.; Mostafá, M.; Nellen, L.; Newbold, M.; Nisa, M. U.; Noriega-Papaqui, R.; Pelayo, R.; Pretz, J.; Pérez-Pérez, E. G.; Ren, Z.; Rho, C. D.; Rivière, C.; Rosa-González, D.; Rosenberg, M.; Ruiz-Velasco, E.; Salesa Greus, F.; Sandoval, A.; Schneider, M.; Schoorlemmer, H.; Sinnis, G.; Smith, A. J.; Springer, R. W.; Surajbali, P.; Taboada, I.; Tibolla, O.; Tollefson, K.; Torres, I.; Vianello, G.; Weisgarber, T.; Westerhoff, S.; Wood, J.; Yapici, T.; Younk, P. W.; Zhou, H.	Astrophysical Journal	10.3847/1538-4357/aaa6d8
16	Data acquisition architecture and online processing system for the HAWC gamma-ray observatory	2018	Abeyssekara, A. U.; Alfaro, R.; Alvarez, C.; Álvarez, J. D.; Arceo, R.; Arteaga-Velázquez, J. C.; Ayala Solares, H. A.; Barber, A. S.; Baughman, B. M.; Bautista-Elivar, N.; Becerra Gonzalez, J.; Belmont-Moreno, E.; BenZvi, S. Y.; Berley, D.; Bonilla Rosales, M. (est); Braun, J.; Caballero-Lopez, R. A.; Caballero-Mora, K. S.; Carramiñana, A.; Castillo, M. Cotti, U.; Cotzomi, J.; de la Fuente, E.; De León, C.; DeYoung, T.; Diaz-Cruz, J.; Diaz Hernandez, R.; Díaz-Vélez, J. C.; Dings, B. L.; DuVernois, M. A.; Ellsworth, R. W.; Fiorino, D. W.; Fraija, N.; Galindo, A.; Garfias, F.; González, M. M.; Goodman, J. A.; Grabski, V.; Gussert, M.; Hampel-Arias, Z.; Harding, J. P.; Hui, C. M.; Hütemeyer, P.; Imran, A.; Iriarte, A.; Karn, P.; Kieda, D.; Kunde, G. J.; Lara, A.; Lauer, R. J.; Lee, W. H.; Lennarz, D.; León Vargas, H.; Linares, E. C.; Linnemann, J. T.; Longo Proper, M.; Luna-García, R.; Malone, K.; Marinelli, A.; Marinelli, S. S.; Martinez, O.; Martínez-Castro, J.; Martínez-Huerta, H.; Matthews, J. A. J.; McEnery, J.; Mendoza Torres, E.; Miranda-Romagnoli, P.; Moreno, E.; Mostafá, M.; Nellen, L.; Newbold, M.; Noriega-Papaqui, R.; Ocegüera-Becerra, T.; Patricelli, B.; Pelayo, R.; Pérez-Pérez, E. G.; Pretz, J.; Rivière, C.; Rosa-González, D.; Ruiz-Velasco, E.; Ryan, J.; Salazar, H.; Salesa Greus, F.; Sanchez, F. E.; Sandoval, A.; Schneider, M.; Silch, S.; Sinnis, G.; Smith, A. J.; Sparks Woodle, K.; Springer, R. W.; Taboada, I.; Toale, P. A.; Tollefson, K.; Torres, I.; Ukwatta, T. N.; Villaseñor, L.; Weisgarber, T.; Westerhoff, S.; Wisher, I. G.; Wood, J.; Yapici, T.; Yodh, G. B.; Younk, P. W.; Zaborov, D.; Zepeda, A.; Zhou, H.	Nuclear Instruments and Methods in Physics Research Section A	https://doi.org/10.1016/j.nima.2018.01.051
17	Early Science with the Large Millimeter Telescope: An Energy-driven Wind Revealed by Massive Molecular and Fast X-Ray Outflows in the Seyfert Galaxy IRAS 17020+4544	2018	Longinotti, A. L.; Vega, O.; Krongold, Y.; Aretxaga, I.; Yun, M.; Chavushyan, V.; Feruglio, C.; Gómez-Ruiz, A.; Montaña, A.; León-Tavares, J.; Olguín-Iglesias, A.; Giroletti, M.; Guainazzi, M.; Kotilainen, J.; Panessa, F.; Zapata, L. A.; Cruz-Gonzalez, I.; Patiño-Álvarez, V. M.; Rosa-Gonzalez, D.; Carramiñana, A.; Carrasco, L.; Costantini, E.; Dultzin, D.; Guichard, J.; Puerari, I.; Santos-Lleo, M.	The Astrophysical Journal Letters	10.3847/2041-8213/aae5fd
18	Early science with the Large Millimetre Telescope: fragmentation of molecular clumps in the Galaxy	2018	Heyer, M.; Wilson, G. W.; Gutermuth, R.; Lizano, S.; Gomez-Ruiz, A.; Kurtz, S.; Luna, A.; Serrano Bernal, E. O.; Schloerb, F. P.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	10.1093/mnras/stx2484

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19	Fermi Transient J1544–0649: A Flaring Radio-weak BL Lac	2018	Bruni, Gabriele; Panessa, Francesca; Ghisellini, Gabriele; Chavushyan, Vahram; Peña-Herazo, Harold A. (est.); Hernández-García, Lorena; Bazzano, Angela; Ubertini, Pietro; Kraus, Alex	Astrophysical Journal Letters	10.3847/2041-8213/aaacfb
20	Filamentary Structures and Star Formation Activity in the Sites S234, V582, and IRAS 05231+3512	2018	Dewangan, L. K.; Baug, T.; Ojha, D. K.; Zinchenko, I.; Luna, A.	Astrophysical Journal	10.3847/1538-4357/aad4b1
21	First HAWC observations of the Sun constrain steady TeV gamma-ray emission	2018	Albert, A.; Alfaro, R.; Alvarez, C.; Arceo, R.; Arteaga-Velázquez, J. C.; Avila Rojas, D.; Ayala Solares, H. A.; Belmont-Moreno, E.; BenZvi, S. Y.; Brisbois, C.; Caballero-Mora, K. S.; Capistrán, T.; Carramiñana, A.; Casanova, S.; Castillo, M.; Cotzomi, J.; Coutiño de León, S.; De León, C.; De la Fuente, E.; Dichiara, S.; Dingus, B. L.; DuVernois, M. A.; Díaz-Vélez, J. C.; Engel, K.; Enríquez-Rivera, O.; Espinoza, C.; Fleischhack, H.; Fraija, N.; García-González, J. A.; Garfías, F.; González, M. M.; Goodman, J. A.; Hampel-Arias, Z.; Harding, J. P.; Hernandez, S.; Hona, B.; Hueyotl-Zahuantitla, F.; Hütemeyer, P.; Iriarte, A.; Jardín-Blicq, A.; Joshi, V.; Kaufmann, S.; León Vargas, H.; Luis-Raya, G.; Lundeen, J.; López-Coto, R.; Malone, K.; Marinelli, S. S.; Martínez, O.; Martínez-Castellanos, I.; Martínez-Castro, J.; Miranda-Romagnoli, P.; Moreno, E.; Mostafá, M.; Nayerhoda, A.; Nellen, L.; Newbold, M.; Nisa, M. U.; Noriega-Papaqui, R.; Pretz, J.; Pérez-Pérez, E. G.; Ren, Z.; Rho, C. D.; Rivière, C.; Rosa-González, D.; Rosenberg, M.; Ruiz-Velasco, E.; Salazar, H.; Salesa Greus, F.; Sandoval, A.; Schneider, M.; Schoorlemmer, H.; Seglar Arroyo, M.; Sinnis, G.; Smith, A. J.; Springer, R. W.; Surajbali, P.; Taboada, I.; Tibolla, O.; Tollefson, K.; Torres, I.; Villaseñor, L.; Weisgarber, T.; Westerhoff, S.; Wisner, I. G.; Wood, J.; Yapici, T.; Zepeda, A.; Zhou, H.; Álvarez, J. D.; Beacom, J. F.; Leane, R. K.; Linden, T.; Ng, K. C. Y.; Peter, A. H. G.; Zhou, B.; HAWC Collaboration	Physical Review D	10.1103/PhysRevD.98.123011
22	From Giant H II regions and H II galaxies to globular clusters and compact dwarf ellipticals	2018	Terlevich, Elena; Fernández-Arenas, David; Terlevich, Roberto; Gieles, Mark; Chávez, Ricardo; González-Morán, Ana Luisa	Monthly Notices of the Royal Astronomical Society	10.1093/mnras/sty2325
23	Gaia-ESO Survey: INTRIGOSS—A New Library of High-resolution Synthetic Spectra	2018	Franchini, Mariagrazia; Morossi, Carlo; Di Marcantonio, Paolo; Chavez, Miguel; Gilmore, Gerry; Randich, Sofia; Flaccomio, Ettore; Koposov, Sergey E.; Korn, Andreas J.; Bayo, Amelia; Carraro, Giovanni; Casey, Andy; Franciosini, Elena; Hourihane, Anna; Jofré, Paula; Lardo, Carmela; Lewis, James; Magrini, Laura; Morbidelli, Lorenzo; Sacco, G. G.; Worley, Clare; Zwitter, Tomaz	Astrophysical Journal	10.3847/1538-4357/aaca3c
24	Gas expulsion versus gas retention in young stellar clusters-II. Effects of cooling and mass segregation	2018	Silich, Sergiy; Tenorio-Tagle, Guillermo	Monthly Notices of the Royal Astronomical Society	10.1093/mnras/sty1383
25	Globular cluster population of the HST Frontier Fields galaxy J07173724+3744224	2018	Carlson, Nathan L.; Sultanova, Madina R.; Kalawila Vithanage, Sandanuwan P.; Barkhouse, Wayne A.; Ipita Kaduwa Gamage, Gihan L.; Rude, Cody M.; López-Cruz, Omar	Monthly Notices of the Royal Astronomical Society	10.1093/mnras/sty1979
26	Inner and outer star forming regions over the disks of spiral galaxies I. Sample characterization	2018	Rodríguez-Baras, M.; Díaz, A. I.; Rosales-Ortega, F. F.; Sánchez, S. F.	Astronomy & Astrophysics	10.1051/0004-6361/201731592
27	MEGARA Optics: Sub-aperture Stitching Interferometry for Large Surfaces	2018	Aguirre-Aguirre, Daniel; Carrasco, Esperanza; Izazaga-Pérez, Rafael; Páez, Gonzalo; Granados-Agustín, Fermín; Percino-Zacarias, Elizabeth; Gil de Paz, Armando; Gallego, Jesús; Iglesias-Páramo, Jorge; Villalobos-Mendoza, Brenda	Publications of the Astronomical Society of the Pacific	10.1088/1538-3873/aaa6b1

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28	Mexico-UK Sub-millimeter Camera for Astronomy	2018	Castillo-Domínguez, E.; Ade, P.; Barry, P. S.; Brien, T.; Doyle, S.; Ferrusca, D.; Gomez-Rivera, V.; Hargrave, P.; Hornsby, A.; Hughes, D.; Mauskopf, P. D.; Moseley, P.; Pascale, E.; Perez-Fajardo, A.; Pisano, G.; Rowe, S.; Tucker, C.; Velazquez, M.	Journal of Low Temperature Physics	10.1007/s10909-018-2018-9
29	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A	2018	IceCube Collaboration; Aartsen, M. G.; Ackermann, M.; Adams, J.; Aguilar, J. A.; Ahlers, M.; Ahrens, M.; Al Samarai, I.; Altmann, D.; Andeen, K.; Anderson, T.; Anseau, I.; Anton, G.; Argüelles, C.; Auffenberg, J.; Axani, S.; Bagherpour, H.; Bai, X.; Barron, J. P.; Barwick, S. W.; Baum, V.; Bay, R.; Beatty, J. J.; Becker Tjus, J.; Becker, K.-H.; BenZvi, S.; Berley, D.; Bernardini, E.; Besson, D. Z.; Binder, G.; Bindig, D.; Blaufuss, E.; Blot, S.; Böhm, C.; Börner, M.; Bos, F.; Böser, S.; Botner, O.; Bourbeau, E.; Bourbeau, J.; Bradascio, F.; Braun, J.; Brenzke, M.; Bretz, H.-P.; Bron, S.; Brostean-Kaiser, J.; Burgman, A.; Busse, R. S.; Carver, T.; Cheung, E.; Chirkin, D.; Christov, A.; Clark, K.; Classen, L.; Coenders, S.; Collin, G. H.; Conrad, J. M.; Coppin, P.; Correa, P.; Cowen, D. F.; Cross, R.; Dave, P.; Day, M.; de André, J. P. A. M.; De Clercq, C.; DeLaunay, J. J.; Dembinski, H.; De Ridder, S.; Desiati, P.; de Vries, K. D.; de Wasseige, G.; de With, M.; DeYoung, T.; Díaz-Vélez, J. C.; di Lorenzo, V.; Dujmovic, H.; Dumm, J. P.; Dunkman, M.; Dvorak, E.; Eberhardt, B.; Ehrhardt, T.; Eichmann, B.; Eller, P.; Evenson, P. A.; Fahey, S.; Fazely, A. R.; Felde, J.; Filimonov, K.; Finley, C.; Flis, S.; Franckowiak, A.; Friedman, E.; Fritz, A.; Gaisser, T. K.; Gallagher, J.; Gerhardt, L.; Ghorbani, K.; Glauch, T.; Glüsenkamp, T.; Goldschmidt, A.; Gonzalez, J. G.; Grant, D.; Griffith, Z.; Haack, C.; Hallgren, A.; Halzen, F.; Hanson, K.; Hebecker, D.; Heereman, D.; Helbing, K.; Hellauer, R.; Hickford, S.; Hignight, J.; Hill, G. C.; Hoffman, K. D.; Hoffmann, R.; Hoinka, T.; Hokanson-Fasig, B.; Hoshina, K.; Huang, F.; Huber, M.; Hultqvist, K.; Hünnefeld, M.; Hussain, R.; In, S.; Iovine, N.; Ishihara, A.; Jacobi, E.; Japaridze, G. S.; Jeong, M.; Jero, K.; Jones, B. J. P.; Kalaczynski, P.; Kang, W.; Kappes, A.; Kappesser, D.; Karg, T.; Karle, A.; Katz, U.; Kauer, M.; Keivani, A.; Kelley, J. L.; Kheirandish, A.; Kim, J.; Kim, M.; Kintscher, T.; Kiryluk, J.; Kittler, T.; Klein, S. R.; Koirala, R.; Kolanoski, H.; Köpke, L.; Kopper, C.; Kopper, S.; Koschinsky, J. P.; Koskinen, D. J.; Kowalski, M.; Krings, K.; Kroll, M.; Krückl, G.; Kunwar, S.; Kurahashi, N.; Kuwabara, T.; Kyriacou, A.; Labare, M.; Lanfranchi, J. L.; Larson, M. J.; Lauber, F.; Leonard, K.; Lesiak-Bzdak, M.; Leuermann, M.; Liu, Q. R.; Lozano Mariscal, C. J.; Lu, L.; Lünemann, J.; Luszczyk, W.; Madsen, J.; Maggi, G.; Mahn, K. B. M.; Mancina, S.; Maruyama, R.; Mase, K.; Maunu, R.; Meagher, K.; Medici, M.; Meier, M.; Menne, T.; Merino, G.; Meures, T.; Miarecki, S.; Micallef, J.; Momenté, G.; Montaruli, T.; Moore, R. W.; S; Morse, R.; Moulai, M.; Nahnauer, R.; Nakarmi, P.; Naumann, U.; Neer, G.; Niederhausen, H.; Nowicki, S. C.; Nygren, D. R.; Obertacke Pollmann, A.; Olivas, A.; O'Murchadha, A.; O'Sullivan, E.; Palczewski, T.; Pandya, H.; Pankova, D. V.; Peiffer, P.; Pepper, J. A.; Pérez de los Heros, C.; Pieloth, D.; Pinat, E.; Plum, M.; Price, P. B.; Przybylski, G. T.; Raab, C.; Rädcl, L.; Rameez, M.; Rauch, L.; Rawlins, K.; Rea, I. C.; Reimann, R.; Relethford, B.; Relich, M.; Resconi, E.; Rhode, W.; Richman, M.; Robertson, S.; Rongen, M.; Rott, C.; Prieto, J. L.; Shappee, B. J.; Holmbo, S.; HAWC Collaboration; Abeyssekara, A. U.; Albert, A.; Alfaro, R.; Alvarez, C.; Arceo, R.; Arteaga-Velázquez, J. C.; Avila Rojas, D.; Ayala Solares, H. A.; Becerril, A.; Belmont-Moreno, E.; Bernal, A.; Caballero-Mora, K. S.; Capistrán, T.; Carramiñana, A.; Casanova, S.; Castillo, M.; Cotti, U.; Cotzomi, J.; Coutiño de León, S.; De León, C.; De la Fuente, E.; Diaz Hernandez, R.; Dichiaro, S.; Dingus, B. L.; DuVernois, M. A.; Díaz-Vélez, J. C.; Ellsworth, R. W.; Engel, K.; Fiorino, D. W.; Fleischhack, H.; Fraija, N.; García-González, J. A.; Garfías, F.; González Muñoz, A.; González, M. M.; Goodman, J. A.; Hampel-Arias, Z.; Harding, J. P.; Hernandez, S.; Hona, B.; Hueyotl-Zhuanitla, F.; Hui, C. M.; Hütemeyer, P.; Iriarte, A.; Jardin-Blicq, A.; Joshi, V.; Kaufmann, S.; Kunde, G. J.; Lara, A.; Lauer, R. J.; Lee, W. H.; Lennarz, D.	Science	10.1126/science.aat1378
30	Multiple-component Decomposition from Millimeter Single-channel Data	2018	Rodríguez-Montoya, Iván; Sánchez-Argüelles, David; Aretxaga, Itziar; Bertone, Emanuele; Chávez-Dagostino, Miguel; Hughes, David H.; Montaña, Alfredo;	Astrophysical Journal Supplement Series	10.3847/1538-4365/aaa83c
31	Multiwavelength photometric and spectropolarimetric analysis of the FSRQ 3C 279	2018	Patiño-Álvarez, V. M.; Fernandes, S.; Chavushyan, V.; López-Rodríguez, E.; León-Tavares, J.; Schlegel, E. M.; Carrasco, L.; Valdés, J.; Carramiñana, A.	Monthly Notices of the Royal Astronomical Society	10.1093/mnras/sty1497
32	NGC 5626: a massive fast rotator with a twist	2018	Viaene, S.; Sarzi, M.; Baes, M.; Puerari, I.	Monthly Notices of the Royal Astronomical Society	10.1093/mnras/stx192

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33	Observation of Anisotropy of TeV Cosmic Rays with Two Years of HAWC	2018	Abeysekara, A. U.; Alfaro, R.; Alvarez, C.; Álvarez, J. D.; Arceo, R.; Arteaga-Velázquez, J. C.; Avila Rojas, D.; Ayala Solares, H. A.; Becerril, A.; Belmont-Moreno, E.; BenZvi, S. Y.; Bernal, A.; Braun, J.; Caballero-Mora, K. S.; Capistrán, T.; Carramiñana, A.; Casanova, S.; Castillo, M.; Cotti, U.; Cotzomi, J.; De León, C.; De la Fuente, E.; Díaz Hernandez, R.; Dichlari, S.; Dings, B. L.; DuVernois, M. A.; Díaz-Vélez, J. C.; Engel, K.; Fiorino, D. W.; Fraija, N.; García-González, J. A.; Garfias, F.; González Muñoz, A.; González, M. M.; Goodman, J. A.; Hampel-Arias, Z.; Harding, J. P.; Hernandez, S.; Hona, B.; Hueyotl-Zahuantilla, F.; Hui, C. M.; Hütemeyer, P.; Iriarte, A.; Jardín-Blicq, A.; Joshi, V.; Kaufmann, S.; Lara, A.; Lauer, R. J.; Lee, W. H.; León Vargas, H.; Longinotti, A. L.; Luis-Raya, G.; Luna-García, R.; López-Cámara, D.; López-Coto, R.; López-Cámara, D.; López-Coto, R.; Malone, K.; Marinelli, S. S.; Martínez, O.; Martínez-Castellanos, I.; Martínez-Castro, J.; Martínez-Huerta, H.; Matthews, J. A.; Miranda-Romagnoli, P.; Moreno, E.; Mostafá, M.; Nayerhoda, A.; Nellen, L.; Newbold, M.; Nisa, M. U.; Noriega-Papaqui, R.; Pelayo, R.; Pretz, J.; Pérez-Pérez, E. G.; Ren, Z.; Rho, C. D.; Rivière, C.; Rosa-González, D.; Rosenberg, M.; Ruiz-Velasco, E.; Salesa Greus, F.; Sandoval, A.; Schneider, M.; Schoorlemmer, H.; Seglar Arroyo, M.; Sinnis, G.; Smith, A. J.; Springer, R. W.; Surajbali, P.; Taboada, I.; Tibolla, O.; Tollefson, K.; Torres, I.; Vianello, G.; Villaseñor, L.; Weisgarber, T.; Werner, F.; Westerhoff, S.; Wood, J.; Yapici, T.; Zepeda, A.; Zhou, H.	Astrophysical Journal	10.3847/1538-4357/aa90c
34	Observations of the missing baryons in the warm hot intergalactic medium	2018	Nicastro, F.; Kaastra, J.; Krongold, Y.; Borgani, S.; Branchini, E.; Cen, R.; Dadina, M.; Danforth, C. W.; Elvis, M.; Fiore, F.; Gupta, A.; Mathur, S.; Mayya, D.; Paerels, F.; Piro, L.; Rosa-Gonzalez, D.; Schaye, J.; Shull, J. M.; Torres-Zafra, J.; Wijers, N. J. ...	Nature	10.1038/s41586-018-0204-1
35	Opening PANDORA's box: APEX observations of CO in Pne	2018	Guzman-Ramirez, L.; Gómez-Ruiz, A. I.; Boffin, H. M. J.; Jones, D.; Wesson, R.; Zijlstra, A. A.; Smith, C. L.; Nyman, Lars-Åke	Astronomy & Astrophysics	10.1051/0004-6361/201731912
36	PISCO: The PMAS/PPak Integral-field Supernova Hosts Compilation	2018	Galbany, L.; Anderson, J. P.; Sánchez, S. F.; Kuncarayakti, H.; Pedraz, S.; González-Gaitán, S.; Stanishev, V.; Domínguez, I.; Moreno-Raya, M. E.; Wood-Vasey, W. M.; Mourão, A. M.; Ponder, K. A.; Badenes, C.; Mollá, M.; López-Sánchez, A. R.; Rosales-Ortega, F. F.; Vilchez, J. M.; García-Benito, R.; Marino, R. A.	Astrophysical Journal	10.3847/1538-4357/aaaf20
37	POLICAN: A Near-infrared Imaging Polarimeter at the 2.1m OAGH Telescope	2018	Devaraj, R. (est.); Luna, A.; Carrasco, L.; Vázquez-Rodríguez, M. A.; Mayya, Y. D.; Tánori, J. G.; Serrano Bernal, E. O. (est.)	Publications of the Astronomical Society of the Pacific	10.1088/1538-3873/aaab3f
38	Primordial helium abundance determination using sulphur as metallicity tracer	2018	Fernández, Vital (est.); Terlevich, Elena; Díaz, Angeles I.; Terlevich, Roberto; Rosales-Ortega, F. F.	Monthly Notices of the Royal Astronomical Society	10.1093/mnras/sty1206
39	Pyroclastic Blowout: Dust Survival in Isolated versus Clustered Supernovae	2018	Martínez-González, Sergio; Wünsch, Richard; Palouš, Jan; Muñoz-Tuñón, Casiana; Silich, Sergiy; Tenorio-Tagle, Guillermo	Astrophysical Journal	10.3847/1538-4357/aadb88
40	Search for dark matter gamma-ray emission from the Andromeda Galaxy with the High-Altitude Water Cherenkov Observatory	2018	Albert, A.; Alfaro, R.; Alvarez, C.; Álvarez, J. D.; Arceo, R.; Arteaga-Velázquez, J. C.; Avila Rojas, D.; Ayala Solares, H. A.; Becerril, A.; Belmont-Moreno, E.; BenZvi, S. Y.; Bernal, A.; Brisbois, C.; Caballero-Mora, K. S.; Capistrán, T. (est.); Carramiñana, A.; Casanova, S.; Castillo, M.; Cotti, U.; Cotzomi, J.; Coutiño de León, S. (est.); De León, C.; Dichlari, S.; Dings, B. L.; DuVernois, M. A.; Díaz-Vélez, J. C.; Eckner, C.; Engel, K.; Enríquez-Rivera, O.; Espinoza, C.; Fiorino, D. W.; Fraija, N.; De la Fuente, E.; Galván-Gómez, A.; García-González, J. A.; Garfias, F.; González Muñoz, A.; González, M. M.; Goodman, J. A.; Hampel-Arias, Z.; Harding, J. P.; Hernandez, S.; Hernandez-Almada, A.; Hona, B.; Hütemeyer, P.; Iriarte, A.; Jardín-Blicq, A.; Joshi, V.; Kaufmann, S.; Kunde, G. J.; Lennarz, D.; León Vargas, H.; Linnemann, J. T.; Longinotti, A. L.; Raya, G. Luis; Luna-García, R.; Malone, K.; Marinelli, S. S.; Martínez, O.; Martínez-Castro, J.; Martínez-Huerta, H.; Matthews, J. A.; Miranda-Romagnoli, P.; Moreno, E.; Mostafá, M.; Nayerhoda, A.; Nellen, L.; Newbold, M.; Nisa, M. U.; Noriega-Papaqui, R.; Pelayo, R.; Pretz, J.; Pérez-Pérez, E. G.; Ren, Z.; Rho, C. D.; Rivière, C.; Rosa-González, D.; Rosenberg, M.; Ruiz-Velasco, E.; Ruiz-Velasco, E.; Salazar, H.; Salesa Greus, F.; Sandoval, A.; Schneider, M.; Seglar Arroyo, M.; Sinnis, G.; Smith, A. J.; Springer, R. W.; Surajbali, P.; Taboada, I.; Tibolla, O.; Tollefson, K.; Torres, I.; Ukwatta, T. N.; Villaseñor, L.; Weisgarber, T.; Westerhoff, S.; Wood, J.; Yapici, T.; Zaharijas, G.; Zepeda, A.; Zhou, H.	Journal of Cosmology and Astroparticle Physics	10.1088/1475-7516/2018/06/043

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41	SKA aperture array verification system: electromagnetic modeling and beam pattern measurements using a micro UAV	2018	E. de Lera Acedo, P. Bolli, F. Paonessa, G. Virone, E. Colin-Beltran, N. Razavi-Ghods, I. Aicardi, A. Lingua, P. Maschio, J. Monari, G. Naldi, M. Piras, G. Pupillo,	EXPERIMENTAL ASTRONOMY	10.1007/s10686-017-9566-x
42	Spatially Resolved Dust, Gas, and Star Formation in the Dwarf Magellanic Irregular NGC 4449	2018	Calzetti, D.; Wilson, G. W.; Draine, B. T.; Roussel, H.; Johnson, K. E.; Heyer, M. H.; Wall, W. F.; Grasha, K.; Battisti, A.; Andrews, J. E.; Kirkpatrick, A.; Rosa González, D.; Vega, O.; Puschign, J.; Yun, M.; Östlin, G.; Evans, A. S.; Tang, Y.; Lowenthal, J.; Sánchez-Arguelles, D.	Astrophysical Journal	10.3847/1538-4357/aaa1e2
43	Stochastic Modeling of Multiwavelength Variability of the Classical BL Lac Object OJ 287 on Timescales Ranging from Decades to Hours	2018	Goyal, A.; Stawarz, Ł.; Zola, S.; Marchenko, V.; Soida, M.; Nilsson, K.; Ciprini, S.; Baran, A.; Ostrowski, M.; Wiita, P. J.; Gopal-Krishna; Siemiginowska, A.; Sobolewska, M.; Jorstad, S.; Marscher, A.; Aller, M. F.; Aller, H. D.; Hovatta, T.; Caton, D. B.; Reichart, D.; Matsumoto, K.; Sadakane, K.; Gazeas, K.; Kidger, M.; Piirola, V.; Jermak, H.; Alicavus, F.; Baliyan, K. S.; Baransky, A.; Berdyugin, A.; Blay, P.; Boumis, P.; Boyd, D.; Bufan, Y.; Campas Torrent, M.; Campos, F.; Carrillo Gómez, J.; Dalessio, J.; Debski, B.; Dimitrov, D.; Drozd, M.; Er, H.; Erdem, A.; Escartin Pérez, A.; Fallah Ramazani, V.; Filippenko, A. V.; Gafton, E.; Garcia, F.; Godunova, V.; Gómez Pinilla, F.; Gopinathan, M.; Haislip, J. B.; Haque, S.; Harmanen, J.; Hudec, R.; Hurst, G.; Ivarsen, K. M.; Joshi, A.; Kagitani, M.; Karaman, N.; Karjalainen, R.; Kaur, N.; Koziel-Wierzbowska, D.; Kuligowska, E.; Kundera, T.; Kurowski, S.; Kvammen, A.; LaCluyze, A. P.; Lee, B. C.; Liakos, A.; Lozano de Haro, J.; Moore, J. P.; Mugrauer, M.; Naves Noguees, R.; Neely, A. W.; Ogloza, W.; Okano, S.; Pajdosz, U.; Pandey, J. C.; Perri, M.; Poyner, G.; Provencal, J.; Pursimo, T.; Raj, A.; Rajkumar, B.; Reinthal, R.; Reynolds, T.; Saario, J.; Sadegi, S.; Sakanoi, T.; Salto González, J. L.; Sameer; Simon, A. O.; Siwak, M.; Schweyer, T.; Soldán Alfaro, F. C.; Sonbas, E.; Strobl, J.; Takalo, L. O.; Tremosa Espasa, L.; Valdes, J. R.; Vasylenko, V. V.; Verrecchia, F.; Webb, J. R.; Yoneda, M.; Zejmo, M.; Zheng, W.; Zielinski, P.; Janik, J.; Chavushyan, V.; Mohammed, I.; Cheung, C. C.; Giroletti, M.	Astrophysical Journal	10.3847/1538-4357/aad2de
44	Testing models of stellar structure and evolution - I. Comparison with detached eclipsing binaries	2018	del Burgo, C.; Allende Prieto, C.	Monthly Notices of the Royal Astronomical Society	10.1093/mnras/sty1371
45	The "Cosmic Seagull": A Highly Magnified Disk-like Galaxy at z similar or equal to 2.8 behind the Bullet Cluster	2018	Motta, V.; Ibar, E.; Verdugo, T.; Molina, J.; Hughes, T. M.; Birkinshaw, M.; López-Cruz, O.; Black, J. H.; Gunawan, D.; Horellou, C.; Magaña, J.	Astrophysical Journal Letters	10.3847/2041-8213/aad6de
46	The CARMENES search for exoplanets around M dwarfs. First visual-channel radial-velocity measurements and orbital parameter updates of seven M-dwarf planetary systems	2018	Trifonov, T.; Kürster, M.; Zechmeister, M.; Tal-Or, L.; Caballero, J. A.; Quirrenbach, A.; Amado, P. J.; Ribas, I.; Reiners, A.; Reffert, S.; Dreizler, S.; Hatzes, A. P.; Kaminski, A.; Launhardt, R.; Henning, Th.; Montes, D.; Béjar, V. J. S.; Mundt, R.; Pavlov, A.; Schmitt, J. H. M. M.; Seifert, W.; Morales, J. C.; Nowak, G.; Jeffers, S. V.; Rodríguez-López, C.; del Burgo, C.; Anglada-Escudé, G.; López-Santiago, J.; Mathar, R. J.; Ammler-von Eiff, M.; Guenther, E. W.; Barrado, D.; González Hernández, J. I.; Mancini, L.; Stürmer, J.; Abril, M.; Aceituno, J.; Alonso-Floriano, F. J.; Antona, R.; Anwand-Heerwart, H.; Arroyo-Torres, B.; Azzaro, M.; Baroch, D.; Bauer, F. F.; Becerril, S.; Benítez, D.; Berdiñas, Z. M.; Bergond, G.; Blümcke, M.; Brinkmüller, M.; Cano, J.; Cárdenas Vázquez, M. C.; Casal, E.; Cifuentes, C.; Claret, A.; Colomé, J.; Cortés-Contreras, M.; Czesla, S.; Díez-Alonso, E.; Feiz, C.; Fernández, M.; Ferro, I. M.; Fuhrmeister, B.; Galadí-Enríquez, D.; García-Piquer, A.; García Vargas, M. L.; Gesa, L.; Gómez Galera, V.; González-Peinado, R.; Grözing, U.; Gronert, S.; Guàrdia, J.; Gujjarro, A.; de Guindos, E.; Gutiérrez-Soto, J.; Hagen, H.-J.; Hauschildt, P. H.; Hedrosa, R. P.; Helmling, J.; Hermelo, I.; Hernández Arabí, R.; Hernández Castaño, L.; Hernández Hernandez, F.; Herrero, E.; Huber, A.; Huke, P.; Johnson, E.; de Juan, E.; Kim, M.; Klein, R.; Klüter, J.; Klutsch, A.; Lafarga, M.; Lampón, M.; Lara, L. M.; Laun, W.; Lemke, U.; Lenzen, R.; López del Fresno, M.; López-González, M. J.; López-Puertas, M.; López Salas, J. F.; Luque, R.; Magán Madinabeitia, H.; Mall, U.; Mandel, H.; Marfil, E.; Marín Molina, J. A.; Maroto Fernández, D.; Martín, E. L.; Martín-Ruiz, S.; Marvin, C. J.; Mirabet, E.; Moya, A.; Moreno-Raya, M. E.; Nagel, E.; Naranjo, V.; Nortmann, L.; Ofir, A.; Oreiro, R.; Pallé, E.; Panduro, J.; Pascual, J.; Passegger, V. M.; Pedraz, S.; Pérez-Calpena, A.; Pérez Medialdea, D.; Perger, M.; Perryman, M. A. C.; Pluto, M.; Rabaza, O.; Ramón, A.; Rebolo, R.; Redondo, P.; Reinhardt, S.; Rhode, P.; Rix, H.-W.; Rodler, F.; Rodríguez, E.; Rodríguez Trinidad, A.; Rohloff, R.-R.; Rosich, A.; Sadegi, S.; Sánchez-Blanco, E.; Sánchez Carrasco, M. A.; Sánchez-López, A.; Sanz-Forcada, J.; Sarkis, P.; Sarmiento, L. F.; Schäfer, S.; Schiller, J.; Schöfer, P.; Schweitzer, A.; Solano, E.; Stahl, O.; Strachan, J. B. P.; Suárez, J. C.; Taberner, H. M.; Tala, M.; Tulloch, S. M.; Veredas, G.; Vico Linares, J. I.; Vilardell, F.; Wagner, K.; Winkler, J.; Wolthoff, V.; Xu, W.; Yan, F.; Zapatero Osorio, M. R.	Astronomy & Astrophysics	10.1051/0004-6361/201731442

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Nº	Título	Año	Autores	Revista	DOI
47	The CARMENES search for exoplanets around M dwarfs. HD147379 b: A nearby Neptune in the temperate zone of an early-M dwarf	2018	Reiners, A.; Ribas, I.; Zechmeister, M.; Caballero, J. A.; Trifonov, T.; Dreizler, S.; Morales, J. C.; Tal-Or, L.; Lafarga, M.; Quirrenbach, A.; Amado, P. J.; Kaminski, A.; Jeffers, S. V.; Aceituno, J.; Béjar, V. J. S.; Guàrdia, J.; Guenther, E. W.; Hagen, H.-J.; Montes, D.; Passegger, V. M.; Seifert, W.; Schweitzer, A.; Cortés-Contreras, M.; Abril, M.; Alonso-Floriano, F. J.; Eiff, M.; Ammler-von, Antona, R.; Anglada-Escudé, G.; Anwand-Heerwart, H.; Arroyo-Torres, B.; Azzaro, M.; Baroch, D.; Barrado, D.; Bauer, F. F.; Becerril, S.; Benítez, D.; Berdiñas, Z. M.; Bergond, G.; Blümcke, M.; Brinkmüller, M.; del Burgo, C.; Cano, J.; Cárdenas Vázquez, M. C.; Casal, E.; Cifuentes, C.; Claret, A.; Colomé, J.; Czesla, S.; Díez-Alonso, E.; Feiz, C.; Fernández, M.; Ferro, I. M.; Fuhrmeister, B.; Galadí-Enríquez, D.; García-Piquer, A.; García Vargas, M. L.; Gesa, L.; Gómez Galera, V.; González Hernández, J. I.; González-Peinado, R.; Grözing, U.; Grohner, S.; Guizarro, A.; de Guindos, E.; Gutiérrez-Soto, J.; Hatzes, A. P.; Hauschildt, P. H.; Hedrosa, R. P.; Helmling, J.; Henning, Th.; Hermelo, I.; Hernández Arabí, R.; Hernández Castaño, L.; Hernández Hernando, F.; Herrero, E.; Huber, A.; Huke, P.; Johnson, E. N.; de Juan, E.; Kim, M.; Klein, R.; Klüter, J.; Klutsch, A.; Kürster, M.; Labarga, F.; Lamert, A.; Lampón, M.; Lara, L. M.; Laun, W.; Lemke, U.; Lenzen, R.; Launhardt, R.; López del Fresno, M.; López-González, M. J.; López-Puertas, M.; López Salas, J. F.; López-Santiago, J.; Luque, R.; Magán Madinabeitia, H.; Mall, U.; Mancini, L.; Mandel, H.; Marfil, E.; Marín Molina, J. A.; Maroto Fernández, D.; Martín, E. L.; Martín-Ruiz, S.; Marvin, C. J.; Mathar, R. J.; Mirabet, E.; Moreno-Raya, M. E.; Moya, A.; Mundt, R.; Nagel, E.; Naranjo, V.; Nortmann, L.; Nowak, G.; Ofir, A.; Oreiro, R.; Pallé, E.; Panduro, J.; Pascual, J.; Pavlov, A.; Pedraz, S.; Pérez-Calpena, A.; Pérez Medialdea, D.; Perger, M.; Perryman, M. A. C.; Pluto, M.; Rabaza, O.; Ramón, A.; Rebolo, R.; Redondo, P.; Reffert, S.; Reinhart, S.; Rhode, P.; Rix, H.-W.; Rodler, F.; Rodríguez, E.; Rodríguez-López, C.; Rodríguez Trinidad, A.; Rohloff, R.-R.; Rosich, A.; Sadegi, S.; Sánchez-Blanco, E.; Sánchez Carrasco, M. A.; Sánchez-López, A.; Sanz-Forcada, J.; Sarkis, P.; Sarmiento, L. F.; Schäfer, S.; Schmitt, J. H. M. M.; Schiller, J.; Schöfer, P.; Solano, E.; Stahl, O.; Strachan, J. B. P.; Stürmer, J.; Suárez, J. C.; Taberner, H. M.; Tala, M.; Tulloch, S. M.; Ulbrich, R.-G.; Veredas, G.; Vico Linares, J. I.; Vilardell, F.; Wagner, K.; Winkler, J.; Wolthoff, V.; Xu, W.; Yan, F.; Zapatero Osorio, M. R.	Astronomy & Astrophysics	10.1051/0004-6361/201732165
48	The CARMENES search for exoplanets around M dwarfs. High-resolution optical and near-infrared spectroscopy of 324 survey stars	2018	Reiners, A.; Zechmeister, M.; Caballero, J. A.; Ribas, I.; Morales, J. C.; Jeffers, S. V.; Schöfer, P.; Tal-Or, L.; Quirrenbach, A.; Amado, P. J.; Kaminski, A.; Seifert, W.; Abril, M.; Aceituno, J.; Alonso-Floriano, F. J.; Ammler-von Eiff, M.; Antona, R.; Anglada-Escudé, G.; Anwand-Heerwart, H.; Arroyo-Torres, B.; Azzaro, M.; Baroch, D.; Barrado, D.; Bauer, F. F.; Becerril, S.; Béjar, V. J. S.; Benítez, D.; Berdiñas, Z. M.; Bergond, G.; Blümcke, M.; Brinkmüller, M.; del Burgo, C.; Cano, J.; Cárdenas Vázquez, M. C.; Casal, E.; Cifuentes, C.; Claret, A.; Colomé, J.; Cortés-Contreras, M.; Czesla, S.; Díez-Alonso, E.; Dreizler, S.; Feiz, C.; Fernández, M.; Ferro, I. M.; Fuhrmeister, B.; Galadí-Enríquez, D.; García-Piquer, A.; García Vargas, M. L.; Gesa, L.; Gómez Galera, V.; González Hernández, J. I.; González-Peinado, R.; Grözing, U.; Grohner, S.; Guàrdia, J.; Guenther, E. W.; Guizarro, A.; de Guindos, E.; Gutiérrez-Soto, J.; Hagen, H.-J.; Hatzes, A. P.; Hauschildt, P. H.; Hedrosa, R. P.; Helmling, J.; Henning, Th.; Hermelo, I.; Hernández Arabí, R.; Hernández Castaño, L.; Hernández Hernando, F.; Herrero, E.; Huber, A.; Huke, P.; Johnson, E. N.; de Juan, E.; Kim, M.; Klein, R.; Klüter, J.; Klutsch, A.; Kürster, M.; Lafarga, M.; Lamert, A.; Lampón, M.; Lara, L. M.; Laun, W.; Lemke, U.; Lenzen, R.; Launhardt, R.; López del Fresno, M.; López-González, J.; López-Puertas, M.; López Salas, J. F.; López-Santiago, J.; Luque, R.; Magán Madinabeitia, H.; Mall, U.; Mancini, L.; Mandel, H.; Marfil, E.; Marín Molina, J. A.; Maroto Fernández, D.; Martín, E. L.; Martín-Ruiz, S.; Marvin, C. J.; Mathar, R. J.; Mirabet, E.; Montes, D.; Moreno-Raya, M. E.; Moya, A.; Mundt, R.; Nagel, E.; Naranjo, V.; Nortmann, L.; Nowak, G.; Ofir, A.; Oreiro, R.; Pallé, E.; Panduro, J.; Pascual, J.; Pavlov, A.; Pedraz, S.; Pérez-Calpena, A.; Pérez Medialdea, D.; Perger, M.; Perryman, M. A. C.; Pluto, M.; Rabaza, O.; Ramón, A.; Rebolo, R.; Redondo, P.; Reffert, S.; Reinhart, S.; Rhode, P.; Rix, H.-W.; Rodler, F.; Rodríguez, E.; Rodríguez-López, C.; Rodríguez Trinidad, A.; Rohloff, R.-R.; Rosich, A.; Sadegi, S.; Sánchez-Blanco, E.; Sánchez Carrasco, M. A.; Sánchez-López, A.; Sanz-Forcada, J.; Sarkis, P.; Sarmiento, L. F.; Schäfer, S.; Schmitt, J. H. M. M.; Schiller, J.; Schweitzer, A.; Solano, E.; Stahl, O.; Strachan, J. B. P.; Stürmer, J.; Suárez, J. C.; Taberner, H. M.; Tala, M.; Trifonov, T.; Tulloch, S. M.; Ulbrich, R. G.; Veredas, G.; Vico Linares, J. I.; Vilardell, F.; Wagner, K.; Winkler, J.; Wolthoff, V.; Xu, W.; Yan, F.; Zapatero Osorio, M. R.	Astronomy & Astrophysics.	10.1051/0004-6361/201732054
49	The dependence of oxygen and nitrogen abundances on stellar mass from the CALIFA survey (vol 595, A62, 2016)	2018	Perez-Montero, E; Garcia-Benito, R; Vilchez, JM; Sanchez, SF; Kehrig, C; Husemann, B; Puertas, SD; Iglesias-Paramo, J; Galbany, L; Molla, M; Walcher, CJ; Ascasibar, Y; Delgado, RMG; Marino, RA; Masegosa, J ; Perez, E; Rosales-Ortega, Fernando; Sanchez-Blazquez, P; Bland-Hawthorn, J; Bomans, D; Lopez-Sanchez, AR; Ziegler, B.	Astronomy & Astrophysics	10.1051/0004-6361/201628601
50	The Dust-selected Molecular Clouds in the Northeast Region of the Small Magellanic Cloud	2018	Takekoshi, Tatsuya; Minamidani, Tetsuhiro; Komugi, Shinya; Kohno, Kotaro; Tosaki, Tomoka; Sorai, Kazuo; Muller, Erik; Mizuno, Norikazu; Kawamura, Akiko; Onishi, Toshikazu; Fukui, Yasuo; Bot, Caroline; Rubio, Monica; Ezawa, Hajime; Oshima, Tai; Austermann, Jason E.; Matsuo, Hiroshi; Aretxaga, Itziar; Hughes, David H.; Kawabe, Ryohei; Wilson, Grant W.; Yun, Min S.	Astrophysical Journal	10.3847/1538-4357/aee48b

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N°	Título	Año	Autores	Revista	DOI
51	The Evolution of the Warm Absorber Reveals a Shocked Outflow in the Narrow Line Seyfert 1 Galaxy IRAS 17020+4544	2018	Sanfrutos, Mario; Longinotti, Anna Lia; Krongold, Yair; Guinazzi, Matteo; Panessa, Francesca	Astrophysical Journal	10.3847/1538-4357/aae923
52	The GALEX View of "Boyajian's Star" (KIC 8462852)	2018	Davenport, James. R. A.; Covey, Kevin R.; Clarke, Riley W.; Laycock, Zachery; Fleming, Scott W.; Boyajian, Tabetta S.; Montet, Benjamin T.; Shiao, Bernie; Million, Chase C.; Wilson, David J.; Olmedo, Manuel (est.); Mamajek, Eric E.; Olmedo, Daniel (est.); Chávez, Miguel; Bertone, Emanuele	Astrophysical Journal	10.3847/1538-4357/aaa413
53	The gravitationally unstable gas disk of a starburst galaxy 12 billion years ago	2018	K. Tadaki, D. Iono, M. S. Yun, I. Aretxaga, B. Hatsukade, D. H. Hughes, S. Ikarashi, T. Izumi, R. Kawabe, K. Kohno, M. Lee, Y. Matsuda, K. Nakanishi, T. Saito, Y. Tamura, J. Ueda, H. Umehata, G. W. Wilson, T. Michiyama, M. Ando & P. Kamieneski	NATURE	10.1038/s41586-018-0443-1
54	The interaction of the halo around the butterfly planetary nebula NGC 650-1 with the interstellar medium	2018	Ramos-Larios, G.; Guerrero, M. A.; Nigoche-Netro, A.; Olguín, L.; Gómez-Muñoz, M. A.; Sabin, L.; Vázquez, R.; Akras, S.; Ramírez Vélez, J. C.; Chávez, M.	Monthly Notices of the Royal Astronomical Society	10.1093/mnras/stx3256
55	The mid-2016 flaring activity of the flat spectrum radio quasar PKS 2023-07	2018	Piano, G.; Munar-Adrover, P.; Pacciani, L.; Romano, P.; Vercellone, S.; Donnarumma, I.; Verrecchia, F.; Carrasco, L.; Porras, A.; Recillas, E.; Tavani, M.	Astronomy & Astrophysics	10.1051/0004-6361/201832812
56	The SCUBA-2 Cosmology Legacy Survey: The EGS deep field - II. Morphological transformation and multiwavelength properties of faint submillimetre galaxies	2018	Zavala, J. A.; Aretxaga, I.; Dunlop, J. S.; Michałowski, M. J.; Hughes, D. H.; Bourne, N.; Chapin, E.; Cowley, W.; Farrah, D.; Lacey, C.; Targett, T.; van der Werf, P.	Monthly Notices of the Royal Astronomical Society	10.1093/mnras/sty217
57	The SELGIFS data challenge: generating synthetic observations of CALIFA galaxies from hydrodynamical simulations	2018	Guidi, G.; Casado, J.; Ascasibar, Y.; García-Benito, R.; Galbany, L.; Sánchez-Blázquez, P.; Sánchez, S. F.; Rosales-Ortega, F. F.; Scannapieco, C.	Monthly Notices of the Royal Astronomical Society	10.1093/mnras/sty1480
58	The Smaller Alignment Index (SALI) applied in a study of stellar orbits in barred galaxies potential models using the LP-Vicode	2018	Caritá, Lucas Antonio; Rodrigues, Irapuan; Puerari, Ivânio; Schiavo, Luiz Eduardo Camargo Aranha	New Astronomy	10.1016/j.newast.2017.10.005
59	The unexpectedly large dust and gas content of quiescent galaxies at $z > 1.4$	2018	Gobat, R.; Daddi, E.; Magdis, G.; Bournaud, F.; Sargent, M.; Martig, M.; Jin, S.; Finoguenov, A.; Béthermin, M.; Hwang, H. S.; Renzini, A.; Wilson, G. W.; Aretxaga, I.; Yun, M.; Strazzullo, V.; Valentino, F.	Nature Astronomy	10.1038/s41550-017-0352-5
60	Unveiling the Hot Molecular Core in the Ultracompact H II Region with Extended Emission G12.21-0.10	2018	de la Fuente, E.; Trinidad, M. A.; Porras, A.; Rodríguez-Rico, C.; Araya, E. D.; Kurtz, S.; Hofner, P.; Nigoche-Netro, A.	Revista Mexicana de Astronomía y Astrofísica	2018RMxAA..54..129D
61	Variable broad lines and outflow in the weak blazar PBC J2333.9-2343	2018	Hernández-García, L.; Vietri, G.; Panessa, F.; Piconcelli, E.; Chavushyan, V.; Jiménez-Andrade, E. F.; Bassani, L.; Bazzano, A.; Cazzoli, S.; Malizia, A.; Masetti, N.; Monaco, L.; Pović, M.; Saviane, I.; Ubertini, P.	Monthly Notices of the Royal Astronomical Society	10.1093/mnras/sty1345

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N°	Título	Año	Autores	Revista	DOI
62	VERITAS and Fermi-LAT Observations of TeV Gamma-Ray Sources Discovered by HAWC in the 2HWC Catalog	2018	Abeysekara, A. U.; Archer, A.; Benbow, W.; Bird, R.; Brose, R.; Buchovecky, M.; Buckley, J. H.; Bugaev, V.; Chromey, A. J.; Connolly, M. P.; Cui, W.; Daniel, M. K.; Falcone, A.; Feng, Q.; Finley, J. P.; Fortson, L.; Furniss, A.; Hütten, M.; Hanna, D.; Hervet, O.; Holder, J.; Hughes, G.; Humensky, T. B.; Johnson, C. A.; Kaaret, P.; Kar, P.; Kertzman, M.; Kieda, D.; Krause, M.; Krennrich, F.; Kumar, S.; Lang, M. J.; Lin, T. T. Y.; McArthur, S.; Moriarty, P.; Mukherjee, R.; O'Brien, S.; Ong, R. A.; Otte, A. N.; Park, N.; Petrashky, A.; Pohl, M.; Pueschel, E.; Quinn, J.; Ragan, K.; Reynolds, P. T.; Richards, G. T.; Roache, E.; Rulten, C.; Sadeh, I.; Santander, M.; Sembroski, G. H.; Shalinyan, K.; Sushch, I.; Tyler, J.; Wakely, S. P.; Weinstein, A.; Wells, R. M.; Wilcox, P.; Wilhelm, A.; Williams, D. A.; Williamson, T. J.; Zitzer, B.; The VERITAS Collaboration; Abdollahi, S.; Ajello, M.; Baldini, L.; Barbiellini, G.; Bastieri, D.; Bellazzini, R.; Berenji, B.; Bissaldi, E.; Blandford, R. D.; Bonino, R.; Bottacini, E.; Brandt, T. J.; Bruel, P.; Buehler, R.; Cameron, R. A.; Caputo, R.; Caraveo, P. A.; Castro, D.; Cavazzuti, E.; Charles, E.; Chiaro, G.; Ciprini, S.; Cohen-Tanugi, J.; Costantini, D.; Cutini, S.; D'Ammando, F.; de Palma, F.; Di Lalla, N.; Di Mauro, M.; Di Venere, L.; Domínguez, A.; Favuzzi, C.; Fegan, S. J.; Franckowiak, A.; Fukazawa, Y.; Funk, S.; Fusco, P.; Gargano, F.; Gasparrini, D.; Giglietto, N.; Giordano, F.; Giroletti, M.; Green, D.; Grenier, I. A.; Guillemot, L.; Guiriec, S.; Hays, E.; Hewitt, J. W.; Horan, D.; Jóhannesson, G.; Kensei, S.; Kuss, M.; Larsson, S.; Latronico, L.; Lemoine-Goumard, M.; Li, J.; Longo, F.; Loparco, F.; Lovellette, M. N.; Lubrano, P.; Magill, J. D.; Maldera, S.; Mazziotta, M. N.; McEnery, J. E.; Michelson, P. F.; Mitthumsiri, W.; Mizuno, T.; Monzani, M. E.; Morselli, A.; Moskalenko, I. V.; Negro, M.; Nuss, E.; Ojha, R.; Omodei, N.; Orienti, M.; Orlando, E.; Palatiello, M.; Paliya, V. S.; Paneque, D.; Perkins, J. S.; Persic, M.; Pesce-Rollins, M.; Petrosian, V.; Piron, F.; Porter, T. A.; Principe, G.; Rainò, S.; Rando, R.; Rani, B.; Razzano, M.; Razzaque, S.; Reimer, A.; Reimer, O.; Reposeur, T.; Sgrò, C.; Siskind, E. J.; Spandre, G.; Spinelli, P.; Suson, D. J.; Tajima, H.; Thayer, J. B.; Thompson, D. J.; Torres, D. F.; Tosti, G.; Troja, E.; Valverde, J.; Vianello, G.; Vogel, M.; Wood, K.; Yassine, M.; The Fermi-LAT Collaboration; Alfaro, R.; Álvarez, C.; Álvarez, J. D.; Arceo, R.; Arteaga-Velázquez, J. C.; Ayala Rojas, D.; Ayala Solares, H. A.; Becerril, A.; Belmont-Moreno, E.; BenZvi, S. Y.; Bernal, A.; Braun, J.; Brisbois, C.; Caballero-Mora, K. S.; Capistrán, T.; Carramiñana, A.; Casanova, S.; Castillo, M.; Cotti, U.; Cotzomi, J.; Coutiño de León, S.; De León, C.; De la Fuente, E.; Dichiaro, S.; Dingus, B. L.; DuVernois, M. A.; Díaz-Vélez, J. C.; Engel, K.; Enriquez-Rivera, O.; Fiorino, D. W.; Fleischhack, H.; Fraija, N.; García-González, J. A.; Garfias, F.; González Muñoz, A.; González, M. M.; Goodman, J. A.; Hampel-Arias, Z.; Harding, J. P.; Hernandez, S.; Hernandez-Almada, A.; Hona, B.; Hueyotl-Zahuantitla, F.; Hui, C. M.; Hütemeyer, P.; Iriarte, A.; Jardin-Blicq, A.; Joshi, V.; Kaufmann, S.; Lara, A.; Lauer, R. J.; Lee, W. H.; Lennarz, D.; León Vargas, H.; Linnemann, J. T.; Longinotti, A. L.; Luis-Raya, G.; Luna-García, R.; López-Coto, R.; Malone, K.; Marinelli, S. S.; Martínez, O.; Martínez-Castellanos, I.; Martínez-Castro, J.; Martínez-Huerta, H.; Matthews, J. A.; Miranda-Romagnoli, P.; Moreno, E.; Mostafá, M.; Nayerhoda, A.; Nellen, L.; Newbold, M.; Nisa, M. U.; Noriega-Papaqui, R.; Pelayo, R.; Pretz, J.; Pérez-Pérez, E. G.; Ren, Z.; Rho, C. D.; Rivière, C.; Rosa-González, D.; Rosenberg, M.; Ruiz-Velasco, E.; Salazar, H.; Salesa Greus, F.; Sandoval, A.; Schneider, M.; Seglar Arroyo, M.; Sinnis, G.; Smith, A. J.; Springer, R. W.; Surajbali, P.; Taboada, I.; Tibolla, O.; Tollefson, K.; Torres, I.; Ukwatta, T. N.; Villaseñor, L.; Weisgarber, T.; Westerhoff, S.; Wisner, I. G.; Wood, J.; Yapici, T.; Yodh, G.; Zepeda, A.; Zhou, H.; The HAWC Collaboration	Astrophysical Journal	10.3847/1538-4357/aade4e
63	Very high energy particle acceleration powered by the jets of the microquasar SS 433	2018	HAWC Collaboration; Abeysekara, A. U.; Albert, A.; Alfaro, R.; Álvarez, C.; Álvarez, J. D.; Arceo, R.; Arteaga-Velázquez, J. C.; Ayala Rojas, D.; Ayala Solares, H. A.; Belmont-Moreno, E.; BenZvi, S. Y.; Brisbois, C.; Caballero-Mora, K. S.; Capistrán, T.; Carramiñana, A.; Casanova, S.; Castillo, M.; Cotti, U.; Cotzomi, J.; Coutiño de León, S.; De León, C.; De la Fuente, E.; Díaz-Vélez, J. C.; Dichiaro, S.; Dingus, B. L.; DuVernois, M. A.; Ellsworth, R. W.; Engel, K.; Espinoza, C.; Fang, K.; Fleischhack, H.; Fraija, N.; Galván-Gómez, A.; García-González, J. A.; Garfias, F.; González Muñoz, A.; González, M. M.; Goodman, J. A.; Hampel-Arias, Z.; Harding, J. P.; Hernandez, S.; Hinton, J.; Hona, B.; Hueyotl-Zahuantitla, F.; Hui, C. M.; Hütemeyer, P.; Iriarte, A.; Jardin-Blicq, A.; Joshi, V.; Kaufmann, S.; Kar, P.; Kunde, G. J.; Lauer, R. J.; Lee, W. H.; León Vargas, H.; Li, H.; Linnemann, J. T.; Longinotti, A. L.; Luis-Raya, G.; López-Coto, R.; Malone, K.; Marinelli, S. S.; Martínez, O.; Martínez-Castellanos, I.; Martínez-Castro, J.; Matthews, J. A.; Miranda-Romagnoli, P.; Moreno, E.; Mostafá, M.; Nayerhoda, A.; Nellen, L.; Newbold, M.; Nisa, M. U.; Noriega-Papaqui, R.; Pérez-Pérez, E. G.; Pretz, J.; Ren, Z.; Rho, C. D.; Rivière, C.; Rosa-González, D.; Rosenberg, M.; Ruiz-Velasco, E.; Salesa Greus, F.; Sandoval, A.; Schneider, M.; Schoorlemmer, H.; Seglar Arroyo, M.; Sinnis, G.; Smith, A. J.; Springer, R. W.; Surajbali, P.; Taboada, I.; Tibolla, O.; Tollefson, K.; Torres, I.; Vianello, G.; Villaseñor, L.; Weisgarber, T.; Werner, F.; Westerhoff, S.; Wood, J.; Yapici, T.; Yodh, G.; Zepeda, A.; Zhang, H.; Zhou, H.	NATURE	2018arXiv181001892H
64	Wandering near the red edge: photometric observations of three cool ZZ Ceti stars	2018	Zs. Bognár, M. Papp, Á. Sódor, D. I. Jenei, Cs. Kalup, E. Bertone, M. Chavez-Dagostino, M. H. Montgomery, Á. Györfy, L. Molnár, H. Ollé, P. I. Pápics, E. Plachy, E. Verebélyi	Monthly Notices of the Royal Astronomical Society	10.1093/mnras/sty2884

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N°	Título	Año	Autores	Revista	DOI
65	Weak-lensing mass calibration of the Sunyaev-Zel'dovich effect using APEX-SZ galaxy clusters	2018	Nagarajan, A.; Pacaud, F.; Sommer, M.; Klein, M.; Basu, K.; Bertoldi, F.; Lee, A. T.; Ade, P. A. R.; Bender, A. N.; Ferrusca, D.; Halverson, N. W.; Horellou, C.; Johnson, B. R.; Kennedy, J.; Kneissl, R.; Menten, K. M.; Reichardt, C. L.; Tucker, C.; Westbrook, B.	Monthly Notices of the Royal Astronomical Society	10.1093/mnras/sty1904
66	3D graphical representation of elementary real variable functions with extended domain	2018	Gonzalo Urcid, Gustavo U. Bautista	European International Journal of Science and Technology	No tiene DOI
67	3D thickness map reconstruction of dielectric thin films using scattering of surface plasmon polaritons	2018	Cesar E. García-Ortiz, Rodolfo Cortes, Robin Orejel, Raul Hernandez-Aranda, Israel Martínez-López, Félix Aguilar, Víctor Coello	Optics Letters	10.1364/OL.43.000691
68	Abrupt-tapered fiber filter arrangement for a switchable multi-wavelength and tunable Tm-doped fiber laser	2018	B. Ibarra-Escamilla, M. V. Hernández-Arriaga, M. Duran-Sanchez, H. Santiago-Hernandez, M. Bello-Jiménez, E. Rivera Pérez, L. A. Rodríguez-Morales, and E. A. Kuzin	Optics Express	10.1364/OE.26.014894
69	All-fiber laser with simultaneous Tm ³⁺ passive Q-switched and Ho ³⁺ gain-switched operation	2018	B. Ibarra-Escamilla, M. Duran-Sanchez, R. I. Alvarez-Tamayo, B. Posada-Ramírez, P. Prieto-Cortes, J. Alaniz-Baylón, H. Santiago-Hernández, M. Bello-Jiménez, and E. A. Kuzin	Optics Letters	10.1364/OL.43.003377
70	Analysis of wave-diffusion transitions in optical fields	2018	G. Martinez Niconoff, P. Martinez Vara, S. I. De los Santos Garcia, M. A. Torres-Rodriguez, M. Vargas Morales & E. Saldivia Gomez	Journal of Modern Optics	10.1080/09500340.2018.156052
71	Caracterización de la lámpara Flash-LED: EBNeuro usada para adquirir potenciales evocados visuales en ratas	2018	Zareth Ortiz Arzate, Miguel Ángel Camacho López, Paola Ballesteros Zebadua, Javier Franco Pérez, Carlos Treviño Palacios	Revista Mexicana de Ingeniería Biomédica	10.17488/RMIB.39.1.2
72	Z -Transform Inversion of The Gamma Function	20018	Gonzalo Urcid and Gustavo U. Bautista	European International Journal of Science and Technology	No tiene DOI
73	Connecting nth order generalised quantum Rabi models: Emergence of nonlinear spin-boson coupling via spin rotations	2018	Jorge Casanova, Ricardo Puebla, H. Moya-Cessa, Martin B. Plenio	NPJ Quantum Information	10.1038/s41534-018-0096-9
74	Conversion of any finite bandwidth optical field into a shape invariant beam	2018	V. Arrizón, F. Soto-Eguibar, D. Sánchez-de-la-Llave, and H.M. Moya-Cessa	OSA Continuum	10.1364/OSAC.000604
75	Critical phenomena in an extended Dicke model	2018	J. P. J. Rodriguez, S. A. Chilingaryan and B. M. Rodríguez-Lara	Physic Review. A	10.1103/PhysRevA.98.043805

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N°	Título	Año	Autores	Revista	DOI
76	Cuantificación de Movimientos Faciales de Individuos Sanos Usando Viola-Jones y Otsu	2018	Javier Caldera-Miguel, Francisco-J Renero-C.	Computación y Sistemas	10.13053/CyS-22-4-2725
77	Direct Measurement of the Topological Charge in Elliptical Beams Using Diffraction by a Triangular Aperture	2018	Melo, LA; Jesus-Silva, AJ; Chavez-Cerda, Sabino; Ribeiro, PHS; Soares, WC.	Scientific Reports	10.1038/s41598-018-24928-5
78	Discrete fractional Fourier transform: Vandermonde approach	2018	Héctor Manuel Moya Cessa, Francisco Soto Eguibar	IMA Journal of Applied Mathematics	10.1093/imamat/hxy028
79	Dissipative soliton resonance in a thulium-doped all-fiber laser operating at large anomalous dispersion regime	2018	B. Ibarra-Escamilla, M. Duran-Sanchez, B. Posada-Ramirez, H. Santiago-Hernandez, R. I. Alvarez-Tamayo, D. Sanchez-de-la-Llave, M. Bello-Jimenez, and E. A. Kuzin	IEEE Photonics Journal	10.1109/JPHOT.2018.2870572
80	Dual-wavelength quasi-mode-locked regimes in the Er-doped fiber ring laser	2018	L. A. Rodriguez-Morales, H. Santiago-Hernandez, O. Pottiez, B. Ibarra-Escamilla, M. Duran-Sanchez, M. V. Hernández-Arriaga, G. Beltrán-Pérez, and E. A. Kuzin	Continuum	10.1364/OSAC.1.000416
81	Dual-wavelength Thulium-doped fiber laser with separate wavelengths selection based on a two MMI filters configuration	2018	B. Ibarra-Escamilla, E. A. Bravo-Huerta, M. Duran-Sánchez, R. I. Álvarez-Tamayo, B. Posada-Ramírez, P. Prieto-Cortes, J. E. Antonio-López, H. Santiago-Hernández, J. G. Aguilar-Soto, and E. A. Kuzin	Laser Physics	10.1088/1555-6611/aacb4f
82	Endurance of particle indistinguishability in noisy quantum networks	2018	A. Perez-Leija, D. Guzman-Silva, R. de J. Leon-Montiel, M. Graefe, M. Heinrich, H. Moya-Cessa, K. Busch, A. Szameit.	NPJ Quantum Information	10.1038/S41534-018-0094-y
83	Estudio experimental de acopladores bicónicos de fibra óptica aplicados al desarrollo de multiplexores por división de longitud de onda	2018	M. Hernández-Arriaga, M. Bello-Jiménez, B. Ibarra-Escamilla, A. Loredo-Trejo, M. Duran-Sanchez, H. Santiago-Hernandez, and E. A. Kuzin	Revista Mexicana de Física	10.31349/RevMexFis.64.55
84	Evaluation of a LED-based flatbed document scanner for radiochromic film dosimetry	2018	José Manuel Lárraga-Gutiérrez, Olivia Amanda García-Garduño, Carlos Treviño-Palacios, José Alfredo Herrera-Jiménez	Physics Medica	10.1016/j.ejmp.2018.02.010
85	Exact solution of degenerate and nondegenerate optical parametric oscillator coupled with a squeezed thermal bath	2018	B. M. Villegas Martínez, Héctor Manuel Moya Cessa, Francisco Soto Eguibar	Modern Physics Letters B	https://doi.org/10.1142/S0217984918502470
86	Experimental investigation of polarization-imbalanced nonlinear loop mirror with double-sense twisted fiber as a filter to clean up solitons	2018	L. A. Rodriguez-Morales, I. Armas-Rivera, M. Avazpour, G. Beltrán-Pérez, H. Santiago-Hernandez, B. Ibarra-Escamilla, M. Duran-Sanchez, O. Pottiez, and E. A. Kuzin	Journal of Optics	10.1088/2040-8986/aa9af8

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87	Focus measure method base don the modulus of the gradient of the color planes for digital microscopy	2018	Román Hurtado-Pérez, Carina Toxqui-Quitl, Alfonso Padilla-Vivanco, J. Félix Aguilar-Valdez, and Gabriel Ortega-Mendoza	Optics Engineering	10.1117/1.OE.57.2.023106
88	Gammagramas para el diagnóstico de cáncer	2018	B. E. Sánchez-Rinza, A. Jaramillo-Núñez, J. de Jesús Títla Tlatelpa	Sistemas, Cibernética e Informática	No tiene DOI
89	Generalized parabolic nondiffracting beams of two orders	2018	Svetlana N. Khonina, A. V. Ustinov, S. Chávez-Cerda	Journal of the Optical Society of America A	10.1364/JOSAA.35.001511
90	Generation of vector Bessel beams with diffractive phase elements based on the Jacobi–Anger expansion	2018	G. Mellado-Villaseñor, D. Aguirre-Olivas, U. Ruiz, and V. Arrizon	Journal of the Optical Society of America A	10.1364/JOSAA.35.000028
91	H. AZO/PEDOT:PSS Polymer Frontal Interface Deposited on Flexible Substrates for a-Si:H Photovoltaic Applications	2018	Mansurova, S.; Cosme, I.; Kosarev, A.; J. Olivares, A.; Ospina, C.; E. Martínez	Polymers	10.3390/polym10101068
92	KvN mechanics approach to the time-dependent frequency harmonic oscillator	2018	Irán Ramos Prieto, Alejandro R. Urzúa Pineda, Francisco Soto Eguibar, Héctor Manuel Moya Cessa	Scientific Reports	10.1038/S41598-018-26759-w
93	Marangoni force-driven manipulation of photothermally-induced microbubbles	2018	Ortega-Mendoza, JG; Sarabia-Alonso, JA; Zaca-Moran, P; Padilla-Vivanco, A; Toxqui-Quitl, C; Rivas-Cambero, I; Ramirez-Ramirez, J; Torres-Hurtado, SA; Ramos-Garcia, Rubén.	Optics Express	10.1364/OE.26.006653
94	Mathematical and diffractive modeling of self-healing	2018	Víctor Arrizón, Gabriel Mellado-Villaseñor, Dilia Aguirre-Olivas, and H. M. Moya-Cessa.	Optics Express	10.1364/OE.26.012219
95	Measurement of three-dimensional wavefronts using the Ichikawa–Lohmann–Takeda solution to the irradiance transport equation	2018	J. A. Arriaga-Hernández, F. Granados-Agustín, A. Cornejo-Rodríguez	Applied Optics	10.1364/AO.57.004316
96	Microscopic approach to field dissipation in the Jaynes-Cummings model	2018	C. A. González-Gutiérrez, D. Solís-Valles, and B. M. Rodríguez-Lara	Journal of Physics A: Mathematical and Theoretical	10.1088/1751-8121/aa9303
97	Necklaces of PT-symmetric dimers	2018	D. J. Nodal Stevens, B. Jaramillo Ávila, and B. M. Rodríguez-Lara	Photonics Research	10.1364/PRJ.6.000A31

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N°	Título	Año	Autores	Revista	DOI
98	Normalization corrections to perturbation theory based on a matrix method	2018	B. M. Villegas-Martínez, H. M. Moya-Cessa and F. Soto-Eguibar	Journal of Modern Optics	10.1080/09500340.2017.1417508
99	Noticeable bone degradation on a plain radiography: A case	2018	A. Jaramillo-Núñez, B. E. Sánchez-Rinza, M. Pérez-Meza	Revista Mexicana de Ingeniería Biomédica	10.17488/RMIB.39.2.4
100	Numerical study of multiple noise-like pulsing in a dispersion-managed figure-eight fibre laser	2018	O. Pottiez, Y. E. Bracamontes-Rodríguez, H. E. Ibarra-Villalon J. C. Hernandez-Garcia, M. Bello-Jimenez, J. P. Lauterio-Cruz, E. Garcia-Sanchez, and E. A. Kuzin	Laser Physics	10.1088/1555-6611/9967e8
101	On the importance of the theoretical computation of the human body segments' masses	2018	Francisco-J Renero-C.	Cogent-Medicine	10.1080/2331205X.2018.1540963
102	Passively Q-switched Thulium-doped fiber laser using alcohol	2018	B. Ibarra-Escamilla, M. Duran-Sanchez, B. Posada-Ramirez, R. I. Alvarez-Tamayo, J. Alaniz-Baylon, M. Bello-Jimenez, P. Prieto-Cortes, and E. A. Kuzin	IEEE Photonics Technology. Letteers	10.1109/LPT.2018.2868923
103	Properties of the Poynting vector for invariant beams: Negative propagation in Weber beams	2018	Rondon-Ojeda, I; Soto-Eguibar, Francisco.	Wave Motion	10.1016/j.wavemoti.2018.02.003
104	Quantum harmonic oscillator with time dependent mass	2018	Ramos-Prieto, A. Espinosa-Zúñiga, M. Fernández-Guasti and H. M. Moya-Cessa	Modern Physics Letters B	10.1142/50217984918502354
105	Rapid scanning optical delay line based on a diffraction grating pair for low-coherence reflectometer	2018	Yevgeniy Kolokoltsev, Carlos Trevino-Palacios, Ivan Gomez, Jesus Garduno-Mejia, Maximino Avendaño Alejo, Oleg Kolokoltsev	Applied Optics	10.1364/AO.57.004542
106	Ronchi and Moiré patterns for testing spherical and aspherical surfaces using deflectometry	2018	J. A. Arriaga-Hernández, A. Jaramillo-Núñez	Applied Optics	10.1364/AO.57.009963
107	Schmidt decomposition in the interaction of a three-level atom and a quantized field	2018	J. A. Anaya-Contreras, A. Zúñiga-Segundo, A. Espinosa-Zúñiga, F. Soto-Eguibar and H. M. Moya-Cessa	European Physical Journal	10.1140/epjd/e2018-90331-4
108	Self-Q-Switch and CW Operation of a Tunable Dual-Wavelength Er/Yb Double-Clad Fiber Laser	2018	B. Ibarra-Escamilla, M. Durán-Sánchez, B. Posada-Ramírez, P. Prieto-Cortes, R. I. Álvarez-Tamayo, and E. A. Kuzin	Applied Science	10.3390/app8020171

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N°	Título	Año	Autores	Revista	DOI
109	Simulating para-Fermi oscillators	2018	C. Huerta Alderete and B. M. Rodríguez-Lara	Scientific Reports	10.1038/s41598-018-29771-2
110	Structure invariant wave packets	2018	V. Arrizon, F. Soto-Eguibar and H. M. Moya-Cessa	Physica Scripta	10.1088/1042-4896/aae73c
111	Study of the factors that affect the correlation behavior during the evaluation of interferograms	2018	Brenda Villalobos-Mendoza, Daniel Aguirre-Aguirre, Fermín Granados- Agustín	Optical Engineering	10.1117/1.OE.57.10.104111
112	Symmetry in optics and photonics: A group theory approach	2018	B. M. Rodríguez-Lara, J. Guerrero, and R. El-Ganainy	Science Bulletin	10.1016/j.scib.2017.12.020
113	The abrupt temperature changes in the plantar skin thermogram of the diabetic patient: looking in to prevent the insidious ulcers	2018	Francisco-J Renero-C.	Diabetic Foot & Ankle	10.1080/2000625X.2018.1430950
114	Tunable dual-wavelength operation of an all-fiber thulium-doped fiber laser based on tunable fiber Bragg gratings	2018	B.Ibarra-Escamilla, M. Duran-Sanchez, R. I. Alvarez-Tamayo, B. Posada-Ramirez, P. Prieto-Cortes, E. A. Kuzin, J. L. Cruz, M. V. Andres	Journal of Optics	10.1088/2040-8986/aad25b
115	Two-particle four-point correlations in dynamically disordered tight-binding networks	2018	A. Perez-Leija, R. de J. Leon-Montiel, J. Sperling, H. Moya-Cessa, A. Szameit and K. Busch	Journal of Physics B	101088/1361-6455/aa9aa1
116	Visualizando gammagramas óseos en colores	2018	A. Jaramillo-Núñez, B. E. Sánchez-Rinza, M. Pérez-Meza	Revista Mexicana de Ingeniería Biomédica	10.17488/RMIB.39.3.2
117	Wavelength dependent scattering in human eye with cataracts	2018	Ismael Kelly-Pérez, Emilia M. Méndez-Aguilar, Carlos Gerardo Treviño-Palacios, Neil C. Bruce, Luis R. Berriel-Valdos, Haroun Al-Hohamedi, Thomas Bende	Journal of Biophotonics	10.1002/jbio.201700235
118	A Simple Method to Obtain the Generation Lifetime in MOS Capacitors	2018	O. Malik, F. Temoltzi-Avila, F. J. De la Hidalga-W	International Journal of New Technology and Research	No tiene DOI
119	Alternative angular spectrum derivation of beam-shape coefficients of generalized Lorenz- Mie theory: scattering of light coming from two pinholes	2018	J. A. Gonzaga-Galeana y J. R. Zurita-Sánchez	Journal of Electromagnetic Waves and Applications	https://doi.org/10.1080/09205071.2017.1422809

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120	Approximation of Fresnel Integrals with Applications to Diffraction Problems	2018	M. Sandoval-Hernandez, H. Vazquez-Leal, Luis Hernandez-Martinez, U.A. Filobello-Nino, V.M. Jimenez-Fernandez, A. L. Herrera-May, R. Castañeda-Sheissa, R.C. Ambrosio-Lazaro, G. Diaz-Arango	Mathematical Problems in Engineering	DOI: //doi.org/10.1155/2018/4031793
121	Automated Intracellular Calcium Profiles Extraction from Endothelial Cells Using Digital Fluorescence Images	2018	Marcial Sanchez-Tecuatl, Ajelet Vargaz-Guadarrama, Juan Manuel Ramirez-Cortes., Pilar Gomez-Gil, Francesco Moccia and Roberto Berra-Romani	International Journal of Molecular Sciences	https://doi.org/10.3390/ijms19113440
122	Characterization of the random telegraph signature in MOSFETs under the influence of magnetic fields	2018	Oscar Huerta, Carlos Márquez, Adrián I. Tec Chim, Fernando Guarín, Edmundo A. Gutiérrez-D., and Francisco Gámiz	IEEE Electron Device Letters	DOI: 10.1109/LED.2018.2835142
123	Characterization of Transmission Lines on PCB from S-Parameters by Determining the Dielectric and Conductor Losses at the Crossover Frequency	2018	E.Y. Terán-Bahena, S.C. Sejas-García, and Reydezel Torres-Torres	IEEE Transactions on Components	DOI: 10.1109/TCPMT.2018.2824321
124	Characterizing 10 nm node based BEOL interconnects at low-frequency regime based on a transmission-line modelling approach	2018	Gabriela Méndez-Jerónimo, Víctor H. Vega-González, Christopher J. Wilson, and Reydezel Torres-Torres	Semiconductor Science and Technology	https://doi.org/10.1088/1361-6641/aad5d1
125	Comb Filters Characteristics and Current Applications	2018	Cruz-Jimenez, MG; Romero, DET; Dolecek, Gordana.	Encyclopedia of Information Science and Technology, 4th Edition	10.4018/978-1-5225-2255-3.ch522
126	Comparison of Light Emitting Capacitors with textured and polished silicon substrates towards the understanding of the emission mechanisms	2018	J. Alarcón-Salazar, M. A. Vásquez-Agustín, E. Quiroga-González, Ignacio E. Zaldivar-Huerta, and M. Aceves-Mijares	Journal of Luminescence	DOI: https://doi.org/10.1016/j.jlum.2018.06.060
127	Design and Electrochemical Characterization of Ion-Sensitive Capacitors with ALD Al ₂ O ₃ as the Sensitive Dielectric	2018	Joel Molina Reyes	IEEE Sensors Journal	DOI: 10.1109/JSEN.2017.2754958
128	Design and Simulation of an Integrated Wireless Capacitive Sensors Array for Measuring Ventricular Pressure	2018	Daniel Diaz Alonso, FJ Renero-Carrillo, Noé Villa-Villaseñor and Wilfrido Calleja-Arriaga	Sensors 2018	doi:10.3390/s18092781
129	Design of a cathodoluminescence image generator using a Raspberry Pi coupled to a scanning electron microscope	2018	A. Benitez, U. Santiago, J.E. Sanchez, Arturo Ponce	Rev. Sci. Instrum.	DOI: 10.1063/1.4986044
130	Detectability Challenges of Bridge Defects in FinFET Based Logic Cells	2018	Freddy Forero, Jean-Marc Galliere, Michel Renovell, Victor Champac	Journal of Electronic Testing	https://doi.org/10.1007/s10836-018-5714-0

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131	Dielectric characterization of raw and packed soy milks from 0.5 to 20 GHz at temperatures from 20 to 70 8C	2018	Tejinder Kaur Kataria, Alonso Corona-Chávez, Jose Luis Olvera-Cervantes, Roberto Rojas-Laguna, Ma. Elena Sosa-Morales	Journal of Food Science and Technology	https://doi.org/10.1007/s13197-018-3238-3
132	Dielectric Properties of Beverages (Tamarind ang Green) Relevant to Microwave-Assisted Pasteurization	2018	Arnold David González-Monroy, Tejinder Kaur Kataria, José Luis Olvera Cervantes, Alonso Corona Chávez, César Ozuna, Gabriela Rodríguez-hernández, María Elena Sosa-Morales	Journal of food science	https://onlinelibrary.wiley.com/doi/abs/10.1111/1750-3841.14289
133	Discrete breathers in an electric lattice with an impurity: Birth, interaction, and death	2018	Alexander Gómez-Rojas and P. Halevi	Phys. Rev. E	DOI: https://doi.org/10.1103/PhysRevE.97.022225
134	Effect of Pressure and Flow Rates on Polymorphous Silicon-Germanium (pm-SixGe1-x:H) Thin Films for Infrared Detection Applications	2018	Ricardo Jiménez, Mario Moreno, Alfonso Torres, Pedro Rosales, Víctor Gomez, Netzahualcoyotl Carlos, and Pere Roca i Cabarrocas	PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE	DOI: 10.1002/pssa.201700735
135	Efficiency maximization of a jet pump for an hydraulic articial lift system	2018	Portillo-Velez, J. Vasquez-Santacruz, L. Marín-Urías, P. García-Ramírez, J. Morales-de-la-Mora, A. Vite-Morales, and Edmundo Gutiérrez-Domínguez	Revista Internacional de Métodos Numéricos para Cálculo y Diseño de Ingeniería	doi: 10.23967/j.rimni.2018.11.002, ISSN 1886-158 X.
136	Experimental verification of optimized multi-scroll chaotic oscillators based on irregular saturated functions	2018	Jesus M. Munoz-Pacheco, Diana K. Guevara-Flores, Olga Guadalupe Félix-Beltrán, Esteban Tlelo-Cuautle, José E. Barradas-Guevara, Christos Volos	Complexity	DOI: 10.1155/2018/3151840
137	False Positive Reduction by an Annular Model as a Set of Few Features for Microcalcification Detection to Assist Early Diagnosis of Breast Cancer	2018	Jonathan Hernández-Capistrán, Jorge F. Martínez-Carballido, Roberto Rosas-Romero	Journal of Medical Systems	DOI: https://doi.org/10.1007/s10916-018-0989-3
138	Filter with Selectable Passband Based on a Miniaturized Resonator	2018	Reyes-Ayona Jose Roberto, Tejinder Kaur Kataria, and Alonso Corona-Chavez	Progress in Electromagnetics Research-PIER	doi:10.2528/PIERL17102703
139	Forster Energy Transfer in the Vicinity of Two Metallic Nanospheres (Dimer)	2018	Zurita-Sanchez, Jorge R; Mendez-Villanueva, J.	Plasmonics	10.1007/s11468-017-0583-4
140	FPGA- based implementation of chaotic oscillators by applying the numerical method based on trigonometric polynomials	2018	A. D. Pano-Azucena, E. Tlelo-Cuatle, Gustavo Rodriguez-Gomez, and L. G. de la Fraga	AIP advances, Volume 8, Issue 7, id. 075217 (2018). ISSN: 2158-3226; Impact factor(2016): 1.653. 2016-Q3	https://doi.org/10.1063/1.5038583 . ISSN: 2158-3226
141	FPGA Realization of n-QAM Digital Modulators	2018	J.A. Galaviz-Aguilar, J.C. Nuñez-Perez, F.J. Perez-Pinal, Esteban Tlelo-Cuautle	IETE Technical Review	https://doi.org/10.1080/02564602.2018.1470038

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142	FPGA-based implementation of a multilayer perceptron suitable for chaotic time series prediction	2018	Ana Dalia Pano-Azucena, Esteban Tlelo-Cuautle, Sheldon Tan, Brisbane Ovilla-Martinez, Luis Gerardo de la Fraga	Technologies, Special Issue on Modern Circuits and Systems Technologies on Communications	DOI: 10.3390/technologies6040090
143	Gate modeling of metal-insulator-semiconductor devices based on ultra-thin atomic-layer deposited TiO ₂	2018	Héctor Uribe Joel Molina Reyes, A. Romero, E. Ortega and A. Ponce	Journal of Materials Science: Materials in Electronics	DOI: 10.1007/s10854-018-9240-8
144	High-Linearity Self-Biased CMOS Current Buffer	2018	J. Alejandro Martínez-Nieto, M. Teresa Sanz-Pascual, Nicolás Medrano-Marqués, Belén Calvo-López, Arturo Sarmiento-Reyes	Electronics	DOI: 10.3390/electronics7120423
145	High-Q and Wide-Bandwidth Capacitor Multiplier Optimized by NSGA-II	2018	J. Lopez-Arredondo, Esteban Tlelo-Cuautle, L. G. de la Fraga	IETE Journal of Research	DOI: https://doi.org/10.1080/03772063.2018.1436987
146	Homogeneity-PMU-Based Method for Detection and Classification of Power Quality Disturbances	2018	Jose R. Razo-Hernandez, Martin Valtierra-Rodriguez, Juan P. Amezcua-Sanchez, David Granados-Lieberman, Jose F. Gomez-A	Electronics 2018	doi:10.3390/electronics7120433 www.mdpi.com/journal/electronics
147	Homotopy Path Planning for Terrestrial Robots Using Spherical Algorithm	2018	Diaz-Arango, G; Vazquez-Leal, H; Hernandez-Martinez, Luis; Pascual, María T; Sandoval-Hernandez, M.	IEEE Transactions on Automation Science and Engineering	10.1109/TASE.2016.2638208
148	Incipient broken rotor bar detection in induction motors using vibration signals and the orthogonal matching pursuit algorithm	2018	C. Morales-Perez, José J. Rangel-Magdaleno, H. Peregrina-Barreto, J. Amezcua-Sanchez	Transactions On Instrumentation And Measurement	DOI: 10.1109/TIM.2018.2813820
149	Incorporation of ZnO nanoparticles on solution processed Zinc Oxide Thin-film Transistors	2018	Miguel Dominguez; Javier Martinez; Karim Monfil-Leyva; Susana Soto; Netzahualcoyotl Carlos; Mario Moreno Moreno	Transactions on Electrical and Electronic Materials	https://doi.org/10.1007/s42341-018-0063-3
150	In-situ magnetization/heating electron holography to study the magnetic ordering in arrays of Nickel metallic nanowires	2018	E. Ortega, U. Santiago, J.G. Giuliani, C. Monton, Arturo Ponce	AIP Advances	DOI: 10.1063/1.5007671
151	Microfluidic Reconfigurable Filter Based	2018	TK Kataria, L. Osorio, JL Olvera Cervantes, JR Reyes-Ayona, and A. Corona-Chavez	Progress In Electromagnetics Research Letters	doi:10.2528/PIERL18080402
152	Mie scattering of partially coherent light: controlling absorption with spatial coherence	2018	J. A. Gonzaga-Galeana y J. R. Zurita-Sánchez	Optics Express	https://doi.org/10.1364/OE.26.02928

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153	Modeling and Parameter Extraction for the Metal Surface Roughness Loss Effect on Substrate Integrated Waveguides From S-Parameters	2018	G. Méndez-Jerónimo, S.C. Sejas-García, and Reydezel Torres-Torres	IEEE Transactions on Microwave Theory and Techniques	DOI: 10.1109/TMTT.2017.2765328
154	New Objectives and Editorial Structure of IEEE Latin America Transactions	2018	Diaz, José Alejandro.	IEEE Latin America Transactions	No tiene DOI
155	Novel Methods to Design Low-Complexity Digital Finite Impulse Response (FIR) Filters	2018	Romero, DET; Dolecek, Gordana.	Encyclopedia of Information Science and Technology, 4th Edition	10.4018/978-1-5225-2255-3.ch542
156	O FPGA-based chaotic cryptosystem by using voice recognition as access key	2018	Eduardo Rodríguez-Orozco, Enrique Efrén García-Guerrero, Everardo Inzunza-Gonzalez, Oscar Roberto Lopez-Bonilla, Abraham Flores-Vergara, Jose Ricardo Cardenas-Valdes, Esteban Tielo-Cuautle	Electronics	https://doi.org/10.3390/electronics7120414
157	On the Prediction of the Threshold Voltage Degradation in CMOS Technology Due to Bias-Temperature Instability	2018	Alejandro Campos-Cruz, Guillermo Espinosa-Flores-Verdad, Alfonso Torres-Jacome and Esteban Tielo Cuautle	Electronics	DOI: 10.3390/electronics7120427
158	Optimization and CMOS Design of Chaotic Oscillators Robust to PVT Variations: INVITED, Integration	2018	V. H. Carbajal-Gomez, E. Tielo-Cuautle, J. M. Muñoz-Pacheco, L. G. de la Fraga, C. Sanchez-Lopez, F. V. Fernandez-Fernandez	The VLSI Journal	DOI: 10.1016/j.vlsi.2018.10.010
159	Optimization and synthesis approaches of semiconductor nanoparticles of crystalline CdSe using Taguchi method	2018	L. Leal-Cruz, A. Vera-Marquina, A. Espinoza-Duarte, A. G. Rojas-Hernández, A. García-Juárez, J. A. Aguilar-Martínez, Ignacio E. Zaldívar-Huerta	Journal of Materials Science: Materials in Electronics	DOI: https://doi.org/10.1007/s10854-018-9332-5
160	Parameter extraction of gate tunneling current in metal-insulator-semiconductor capacitors based on ultra-thin atomic-layer deposited Al ₂ O ₃	2018	Héctor Uribe, Joel Molina	Journal of Materials Science: Materials in Electronics	DOI: 10.1007/s10854-018-9104-2
161	Parametric resonances in a temporal photonic crystal slab	2018	Juan Sabino Martínez-Romero and Peter Halevi	Phys. Rev. A 98	DOI: https://doi.org/10.1103/PhysRevA.98.053852
162	Performance Characterization of Infrared Detectors Based on Polymorphous Silicon-Germanium (pm-SixGe1-x:H) Thin Films Deposited at Low Temperature	2018	Ricardo Jiménez, Mario Moreno, Alfonso Torres, Pedro Rosales, María T. Sanz and Roberto Ambrosio	PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE	DOI: 10.1002/pssa.201700736
163	Photodetection Characterization of SiPM Technologies for their Application in Scintillator based Neutron Detectors	2018	S. Kumar, Daniel Durini, C. Degenhardt and S. van Waasen	Journal of Instrumentation	https://doi.org/10.1088/1748-0221/13/01/C01042

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N°	Título	Año	Autores	Revista	DOI
164	Physical and electrical characterization of yttrium-stabilized zirconia (YSZ) thin films deposited by sputtering and atomic-layer deposition	2018	Joel Molina Reyes, H. Tiznado, G. Soto, Monica Vargas-Bautista, David Dominguez, Eduardo Murillo Dan Sweeney John Read	Journal of Materials Science: Materials in Electronics	DOI: 10.1007/s10854-018-8909-3
165	Planar Differential Filtenna for Communications	2018	TK Kataria, M. Bastida, JR Reyes-Ayona, José Luis Olvera Cervantes, and A. Corona-Chavez	Progress In Electromagnetics Research Letters	DOI: 10.2528/PIERL18072710
166	Prominence of fusion temperature and engineering heteroatoms on multifarious emissive shifts in carbon dots	2018	J. Velusamy, G. Ramos-Ortiz, M. Rodriguez, O. Hernandez-Cruz, Arturo Ponce,	J. Colloid Interface Sci.	DOI: 10.1016/j.jcis.2018.05.040
167	PVT-Robust CMOS Programmable Chaotic Oscillator: Synchronization of Two 7-Scroll Attractors	2018	V. H. Carbajal-Gomez, Esteban Tlelo-Cuautle, C. Sanchez-Lopez, F. V. Fernandez-Fernandez	Electronics	DOI: 10.3390/electronics7100252
168	Rectifying Characteristics of Resonant Tunneling MIS Devices Using Ultra-Thin High-k Oxides Deposited by ALD	2018	H. Uribe-Vargas, Joel Molina Reyes, E. Ortega, Arturo Ponce	IEEE Electron Device Letters	DOI: 10.1109/LED.2018.2859183.
169	Resonant tunneling MIIS diode based on intrinsic quantum-well formation of ultra-thin atomic layered films after band-offset engineering	2018	Joel Molina Reyes, Héctor Uribe, E. Ortega and A. Ponce	Applied surface Science	DOI: 10.1016/j.apsusc.2018.06.198
170	Selection of aging critical paths for reliable frequency scaling considering workload uncertainty and process variations effects	2018	Andres F. Gomez, Victor Champac	ACM Transactions on Design Automation of Electronic Systems	https://doi.org/10.1145/3177864
171	Sizing Analogue Integrated Circuits by Integer Encoding and NSGA-II	2018	A.C. Sanabria-Borbón, Esteban Tlelo-Cuautle	IETE Technical Review	DOI: 10.1080/02564602.2016.1276869
172	Study on the photocatalytic activity of titanium dioxide nanostructures: Nanoparticles, nanotubes and ultra-thin films	2018	Joel Molina Reyes, A. Romero, H. Uribe, B. Lopez, J.L. Sanchez, E. Ortega, A. Ponce, A. Morales, F. Lopez and C. Zuniga	Catalysis Today	DOI: 10.1016/j.cattod.2018.05.033
173	Surrogate modeling based on granular models and fuzzy aptitude functions	2018	Israel Cruz-Vega, Carlos A. Reyes Garcia, Hugo Jair Escalante, Jose de Jesus Rangel-Magdaleno, Juan Manuel Ramirez Cortes	Applied Soft Computing, volume 65 April 2018, pp 21–32, Elsevier, Impact factor(2017): 3.907. 2017-Q1	https://doi.org/10.1016/j.asoc.2017.12.016
174	Thermal-Sensor-Based Occupancy Detection For Smart Buildings Using Machine Learning Methods	2018	Hengyang Zhao, Qi Hua, Haibao Chen, Yaoyao Ye, Hai Wang, Sheldon X.-D. Tan, Esteban Tlelo-Cuautle	ACM Transactions on Design Automation of Electronic Systems	https://doi.org/10.1145/3200904

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176	Waveguide-detector system on silicon for sensor application	2018	Alarcón-Salazar, G. V. Vázquez, A. A. González-Fernández, I. E. Zaldivar-Huerta, J. Pedraza-Chávez and Mariano Aceves-Mijares	Advanced Materials Letters	DOI: 10.5185/amlett.2018.1552
177	Wavelet-Based Frame Video Coding Algorithms Using Fovea and SPECK	2018	Juan Carlos Galan-Hernandez, V. Alarcon-Aquino, O. Starostenko, J. M. Ramirez-Cortes, Pilar Gomez-Gil.	Engineering Applications of Artificial Intelligence, Volume 69, March 2018, Pages 127-136. ISSN 0952-1976. Impact factor(2017): 2.819. 2017-Q1.	https://doi.org/10.1016/j.engappai.2017.12.008 . ISSN 0952-1976
178	A Genetic Programming Approach to Score Driving Behavior in the Context of Intelligent Transportation Systems	2018	Jesús R. López, Luis C. González, Manuel Montes y Gómez, Leonardo Trujillo, Graciela Ramírez	IEEE Sensors Journal. Volume 18, Issue 17, September 2018. Pp. 7183-7192. ISSN 0306-4573. Impact factor(2017): 4.444. 2017-Q1	DOI: 10.1109/JSEN.2018.2856112 . ISSN 0306-4573
179	A Graph Representation Composed of Geometrical Components for Household Furniture Detection by Autonomous Mobile Robots	2018	Oscar Alonso-Ramirez, Antonio Marin-Hernandez, Homero V. Rios-Figueroa, Michel Devy, Saul E. Pomares-Hernandez and Ericka J. Rechy-Ramirez	Applied Sciences-Based, Volume 8, Issue 11. Published: 13 November 2018. ISSN 2076-3417. Impact factor(2017): 1.689. 2017-Q3	DOI 10.3390/app8112234
180	A local multiscale probabilistic graphical model for data validation and reconstruction, and its application in industry	2018	Javier Herrera-Vega, Felipe Orihuela-Espina, Pablo H. Ibarguengoytia, Uriel A. García, Dan-Eivila Rosado, Eduardo F. Morales, Luis Enrique Suclar.	Engineering Applications of Artificial Intelligence. Volume 70, April 2018, Pages 1-15, 2018. ISSN: 0952-1976. Impact factor(2017): 2.819. 2017-Q1.	https://doi.org/10.1016/j.engappai.2018.01.001
181	A new algorithm for reduct computation based on gap elimination and attribute contribution	2018	Vladimir Rodríguez-Diez, José Fco. Martínez-Trinidad, Jesús Ariel Carrasco-Ochoa, and Manuel Lazo-Cortés.	Information Sciences. Volume 435, April 2018, Pages 111–123. ISSN: 0020-0255. Impact factor(2017): 4.305. 2017-Q1.	https://doi.org/10.1016/j.ins.2017.12.027
182	A Prospect-Guided Global Query Expansion Strategy Using Word Embeddings.	2018	Francis de la Caridad Fernández-Reyes, Jorge Hermosillo-Valadez, Manuel Montes-y-Gómez.	Information Processing and Management, Volume 54, Issue 1, January 2018, Pages 1-13. ISSN 0306-4573. Impact factor(2017): 4.444. 2017-Q1	https://doi.org/10.1016/j.ipm.2017.09.001
183	A review of conceptual clustering algorithms.	2018	Airel Pérez-Suárez, José Fco. Martínez-Trinidad, Jesús A. Carrasco-Ochoa.	Artificial Intelligence Review. First online: 23 march 2018 Online. ISSN: 0269-2821. Impact factor(2017): 3.814. 2017-Q1.	https://doi.org/10.1007/s10462-018-9627-1

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185	Accurate and fast prototype selection based on the notion of relevant and border prototypes	2018	Olvera-López, J. Arturo, J. Ariel Carrasco-Ochoa, and J. Martínez-Trinidad.	Journal of Intelligent & Fuzzy Systems. Vol. 34, Issue: 5, pp. 2923-2934, 24 may 2018. 2018. ISSN: 1064-1246. Impact factor(2017): 1.426. 2017-Q3.	DOI: 10.3233/JIFS-169478
186	An affective and Web 3.0-based learning environment for a programming language	2018	Ramón Zatarain Cabada, María Lucía Barrón Estrada, Francisco González Hernández, Raúl Oramas Bustillos, Carlos Alberto Reyes-García.	Telematics and Informatics, volume 35, issue 3, June 2018 pages 611-628, Elsevier, ISSN 0736-5853; Impact factor(2017): 3.789. 2017-Q1.	http://dx.doi.org/10.1016/j.tele.2017.03.005
187	Apparent Personality Analysis	2018	Sergio Escalera, Xavier Baró, Isabelle Guyon, Hugo Jair Escalante	IEEE Trans. Affective Computing 9(3): 299-302 (2018). ISSN: 1949-3045. Impact factor(2017): 4.585. 2017-Q1	https://doi.org/10.1109/TAFFC.2018.2864230 . ISSN: 1949-3045
188	Argument component classification in academic writings	2018	García-Gorrostieta, Jesús Miguel, López-López, Aurelio.	Journal of Intelligent & Fuzzy Systems, vol. 34, no. 5, pp. 3037-3047, 2018, Published: 24 May 2018. ISSN 1064-1246. Impact factor(2017): 1.426. 2017-Q3.	DOI: 10.3233/JIFS-169488
189	Automatic argument assessment of final project reports of computer engineering students	2018	Jesús M. García-Gorrostieta, Aurelio López-López, Samuel González-López.	Computer Applications in Engineering Education. 2018;1-10. Wiley Periodicals, Inc. First published: 28 June 2018. ISSN: 1061-3773. Impact factor(2017): 1.153. 2017-Q3.	https://doi.org/10.1002/cae.21996
190	Automatic Theorem Proving for Natural Logic: a Case Study on Textual Entailment	2018	Jesús Lavalle, Manuel Montes, Héctor Jiménez, Luis Villaseñor, and Beatriz Beltrán.	Computación y Sistemas. Vol. 22, No.1 (2108) ISSN 2007-9737, (revista indizada por CONACYT).	http://www.cys.cic.ipn.mx/ojs/index.php/CyS/article/view/2778 .
191	Bioinformatics characterization of serine β -lactamases from Gram-negative bacteria	2018	Carlos Polanco, Jorge Alberto Castañón González, Vladimir N. Uversky, Thomas Buhse, and Miguel Arias-Estrada	Current topics in peptide and protein research, Jan 2018. Vol. 18, pp 79-89. ISSN: 0972-4524	http://www.researchtrends.net/tia/abstract.asp?in=0&vn=18&tid=26&aid=6073&pub=2017&type=3

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192	Clasificando conocimiento arquitectónico a través de técnicas de minería de texto	2018	Samuel González-López, Gilberto Borrego Soto, Aurelio López-López y Alberto L. Morán y Solares.	Komputer Sapiens, Año X, Volumen 1, enero-abril 2018, pp. 29-33. ISSN 2007-0691	http://smia.mx/komputersapiens/files_ALMoStuNrEaChaBLE/ks101_7.61MB_extensa.pdf
193	Closed Frequent Similar Pattern Mining: Reducing the Number of Frequent Similar Patterns without Information Loss	2018	Ansel Yoan Rodríguez-González, Fernando Lezama, Carlos A. Iglesias-Alvarez, José Fco. Martínez-Trinidad, Jesús A. Carrasco-Ochoa, Enrique Munoz de Cote.	Expert Systems with Applications. Volumen 95, 15 April 2018, pages 271-283. ISSN: 0957-4174. Impact factor(2017): 3.768. 2017-Q1.	https://doi.org/10.1016/j.eswa.2017.12.018
194	Compact FPGA hardware architecture for public key encryption in embedded devices	2018	Luis Rodríguez-Flores, Miguel Morales-Sandoval, René Cumplido, Claudia Feregrino-Uribe, Ignacio Algreto-Badillo	PLoS One. Published: January 23, 2018 21 pages. ISSN: 1932-6203. Impact factor(2017): 2.766. 2017-Q1	https://doi.org/10.1371/journal.pone.0190939
195	Detecting dressing failures using temporal-relational visual grammars	2018	Eliaz Ruiz, Venet Osmani, L. Enrique Sucar, Oscar Mayora	Journal of Ambient Intelligence and Humanized Computing, 2018. ISSN 1868-5137. Impact Factor(2017): 1.423. 2017-Q3	DOI 10.1007/s12652-018-0975-0
196	Editorial Special Issue on The Mexican Conference on Pattern Recognition	2018	Jesús Ariel Carrasco-Ochoa, Fosé Fco. Martinez-Trinidad, Victor Ayala-Ramirez, José Arturo Olvera-Lopez.	International Journal of Pattern Recognition and Artificial Intelligence. Volume 32, Issue 01, January 2018, Special Issue: SI, ISSN: 0218-0014. Impact factor(2017): 1.029. 2017-Q3.	DOI: 10.1142/S0218001418020019
197	Emphasizing Personal Information for Author Profiling: New Approaches for Term Selection and Weighting.	2018	Rosa María Ortega-Mendoza, A. Pastor López-Monroy, Anilú Franco-Arcega, Manuel Montes-y-Gómez.	Knowledge Based Systems, volume 145, 1 April 2018, pages 169-181. ISSN 0950-7051. Impact factor(2017): 4.396. 2017-Q1.	https://doi.org/10.1016/j.knosys.2018.01.014
198	Estimating Functional Connectivity Symmetry between Oxy- and Deoxy- Haemoglobin: Implications for FNIRS Connectivity Analysis	2018	Montero-Hernandez, Samuel; Orihuela-Espina, Felipe; Sucar, Luis Enrique; Pinti, Paola; Hamilton, Antonia; Burgess, Paul; Tachtsidis, Ilias.	Algorithms. Special Issue "Algorithms for Functional Near-Infrared Spectroscopy, Cerebral Oximetry and Near-Infrared Imaging" (2018) 11(5):70, ISSN: 1999-4893. Indexed in: Emerging Sources Citation Index.	https://doi.org/10.3390/a11050070

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200	Extensions to AGraP algorithm for finding a reduced set of inexact graph patterns	2018	Marisol Flores-Garrido, J. Ariel Carrasco-Ochoa, José Fco Martínez-Trinidad.	International Journal of Pattern Recognition and Artificial Intelligence, Vol. 32, Issue 1, 5 pages, ISSN: 0218-0014. Impact factor(2017): 1.029. 2017-Q3.	https://doi.org/10.1142/S021801418600121 , 2018
201	Gaze patterns hold key to unlocking successful search strategies and increasing polyp detection rate in colonoscopy	2018	Lami, Mariam; Singh, Harsimrat; Dilley, James H.; Ashraf, Hajra; Edmondson, Matthew; Orihuela-Espina, Felipe; Hoare, Jonathan; Darzi, Ara; Sodergren, Mikael H.	Endoscopy (2018) 50(7):701-707. ISSN: 0013-726X; Impact factor(2017): 6.629. 2017-Q1.	DOI: 10.1055/s-0044-101026
202	Imperial College near infrared spectroscopy neuroimaging analysis framework	2018	Orihuela-Espina, Felipe; Leff, DR; James, DRC; Darzi, AW; Yang, GZ.	Neurophotonics	10.1117/1.NPh.5.1.011011
203	Inferring Missing Climate Data for Agricultural Planning Using Bayesian Networks	2018	Leonel Lara-Estrada, Livia Rasche, L. Enrique Sucar and Uwe A. Schneider.	Land MDPI, Open Access Journal, volume7 issue 1, pages 1-13, January 2018. ISSN: 2073-445X.	http://www.mdpi.com/2073-445X/7/1/4/pdf
204	Learning When to Classify for Early Text Classification	2018	Loyola, JM; Errecalde, M; Escalante, Hugo J; Montes y Gomez, Manuel,	Computer Science	10.1007/978-3-319-75214-3_3
205	Lightweight Security Hardware Architecture using DWT and AES Algorithms	2018	Ignacio Algreto-Badillo, Francisco R. Castillo Soria, Kelsey A. Ramírez-Gutiérrez, Luis Morales-Rosales, Alejandro Medina-Santiago, Claudia Feregrino-Urbe	IEICE Transactions on Information and Systems, Vol. E101-D, No. 11, November 2018 PP. 2754-2761. ISSN: 0916-8532. Impact Factor(2017): 0.500. 2017-Q4	https://doi.org/10.1587/transinf.2018EDP7174
206	Looking at People Special Issue	2018	Sergio Escalera, Jordi González, Hugo Jair Escalante, Xavier Barólsabelle Guyon	International Journal of Computer Vision. April 2018, Volume 126, Issue 2-4, pp 141-143. ISSN: 0920-5691. Impact factor(2017): 11.541. 2017-Q1.	DOI https://doi.org/10.1007/s11263-017-1058-y

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208	Multi-level term analysis for profile learning in adaptive document filtering	2018	Bruzón, Adrian Fonseca, López-López, Aurelio, Medina Pagola, José E.	Journal of Intelligent & Fuzzy Systems, vol. 34, no. 5, pp. 3015-3026, 2018, Published: 24 May 2018. ISSN 1064-1246. Impact factor(2017): 1.426. 2017-Q3.	DOI: 10.3233/JIFS-169486
209	Novel Distributional Visual-Feature Representations for Image Classification	2018	Pastor López-Monroy, Manuel Montes-y-Gómez, Hugo Jair Escalante, Fabio A. González	Multimedia Tools and Applications. Available online 24 September 2018. ISSN 1380-7501. Impact factor(2017): 1.541. 2017-Q2	https://doi.org/10.1007/s11042-018-6674-1 . ISSN 1380-7501
210	On Fisher vector encoding of binary features for video face recognition	2018	Yoanna Martínez-Díaz, Noslen Hernández, Rolando J Biscay, Leonardo Chang, Heydi Méndez- Vázquez, Lus Enrique Sucar.	Journal of Visual Communication and Image Representation, Vol. 51, February 2018, pages 155-161. ISSN 1047-3203. Impact factor(2017): 1.836. 2017-Q2.	https://doi.org/10.1016/j.jvcir.2018.01.017
211	On-road obstacle detection video system for traffic accident prevention	2018	Luis Alberto Morales Rosales, Ignacio Algreto-Badillo, Carlos Arturo Hernández Gracidas, Hector Rodríguez Rangel, Mariana Lobato Báez.	Journal of Intelligent and Fuzzy Systems, vol. Pre-press, no. Pre-press, pp. 1-15, 2018. Published: 9 July 2018. ISSN: 1064-1246. Impact factor(2017): 1.426. 2017-Q3	DOI: 10.3233/JIFS-169609
212	Optimal motion planning and stopping test for 3-D object Reconstruction	2018	Heikel Yervilla-Herrera, J. Irving Vasquez-Gomez, Rafael Murrieta-Cid, Israel Becerra, L. Enrique Sucar	Intelligent Service Robotics. First Online: 11 October 2018. ISSN 1861-2784. Impact Factor(2017): 0.933. 2017-Q4	DOI 10.1007/s11370-018-0264-y
213	Paraphrase Plagiarism Identification with Character-level Features	2018	Fernando Sánchez-Vega, Esau Villatoro-Tello, Manuel Montes-y-Gómez, Paolo Rosso, Efstathios Stamatatos, Luis Villaseñor-Pineda.	Pattern Analysis and Applications. ISSN: 1433-7541. Impact factor(2017): 1.281. 2017-Q3.	https://doi.org/10.1007/s10044-017-0674-z
214	Partial-Copy Detection of Non-Simulated Videos using Learning at Decision Level	2018	Zobeida Jezabel Guzman-Zavaleta, Claudia Feregrino-Urbe	Multimedia Tools and Applications. First Online: 09 July 2018. ISSN: 1380-7501. Impact factor(2017): 1.541. 2017-Q2	https://doi.org/10.1007/s11042-018-6345-2 . ISSN: 1380-7501

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216	Real-time enhancement of sparse 3D maps using a parallel segmentation scheme based on superpixels	2018	Cruz-Martinez, C; Martinez-Carranza, José; Mayol-Cuevas, W.	Journal of Real-Time Image Processing	10.1007/s11554-017-0707-2
217	Reconfigurable Arithmetic Logic Unit Designed With Threshold Logic Gates	2018	A. Medina-Santiago, Mario Alfredo Reyes-Barranca, Ignacio Algreδο-Badillo, Alfonso Martínez Cruz, Kelsey Alejandra Ramírez Gutiérrez, Adrián Eleazar Cortés-Barrón.	IET Circuits Devices & Systems. Online ISSN 1751-8598 Available online: 01 May 2018. (10 pages) http://digital-library.theiet.org/content/journals/10.1049/iet-cds.2018.0046 . ISSN: 1751858X. Impact factor(2017): 1.395. 2017-Q3.	DOI: 10.1049/iet-cds.2018.0046
218	Revisiting two-stage feature selection based on coverage policies for text classification	2018	Méndez-Molina, Arquímides, Oña-García, Ana Li, Carrasco-Ochoa, Jesús Ariel, & Martínez-Trinidad, José Francisco.	Journal of Intelligent & Fuzzy Systems. Vol. 34, Issue: 5, pp. 2949-2957. 24 may 2018. ISSN: 1064-1246. Impact factor(2017): 1.426. 2017-Q3.	DOI: 10.3233/JIFS-169480
219	Robust feature extraction algorithm suitable for real-time embedded applications	2018	Aguilar-Gonzalez, Abiel; Arias-Estrada, Miguel; Berry, Francois	Journal of Real-Time Image Processing	10.1007/s11554-017-0701-8
220	Scalable multi-label annotation via semi-supervised kernel semantic embedding	2018	Jorge A. Vanegas, Hugo Jair Escalante, Fabio A. González	Pattern Recognition Letters, Available online 3 October 2018. ISSN 0167-8655. Impact factor(2017): 1.954. 2017-Q2	https://doi.org/10.1016/j.patrec.2018.10.001
221	Self-recovery scheme for audio restoration using auditory masking	2018	Alejandra Menendez-Ortiz, Claudia Feregrino-Uribe, Jose Juan Garcia-Hernandez	PLoS ONE 13(9): e0204442. ISSN: 1932-6203. Impact factor(2017): 2.766. 2017-Q1.	https://doi.org/10.1371/journal.pone.0204442

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223	Sistema Móvil basado en Sensores para la Promoción y la Monitorización en Tiempo Real de la Actividad Física	2018	Enrique Soto-Pérez-de-Celis, José Abraham Baez-Bagattela, Ernesto Lira-Huerta, Alejandro Herrera de la Luz, Socorro Parra-Cabrera, Felipe Orihuela-Espina, María de la Concepción Pérez-de-Celis-Herrero.	Salud Pública de México, (2018), volumen 60 no. 2, marzo-abril 2018. Pp. 119-120. ISSN: 0036-3634; Impact factor(2016): 1.331. 2016-Q3. Carta de aceptación fue el 8 de Junio de 2017.	DOI: http://dx.doi.org/10.21149/8561
224	Synchronization Protocol for Real Time Multimedia in Mobile Distributed Systems	2018	Miguel Angel Olmos Bello; Eduardo Lopez Dominguez; Saul E. Pomares Hernandez; Jose Roberto Perez Cruz.	IEEE Access, vol. 6, pp. 15926-15940, Date of Publication: 19 March 2018. ISSN: 2169-3536. Impact factor(2017): 3.557. 2017-Q1.	doi: 10.1109/ACCESS.2018.2817386
225	Temporal Stress in the Operating Room: Brain Engagement Promotes "Coping" and Disengagement Prompts "Choking"	2018	Modi, HN; Singh, H; Orihuela-Espina, F; Athanasiou, T; Fiorentino, F; Yang, GZ; Darzi, A; Leff, DR.	Annals of Surgery	10.1097/SLA.00000000000002289
226	The Computational Face	2018	Sergio Escalera, Xavier Baró, Isabelle Guyon, Hugo Jair Escalante, Georgios Tzimiropoulos, Michel F. Valstar, Maja Pantic, Jeffrey F. Cohn, Takeo Kanade	IEEE Trans. Pattern Anal. Mach. Intell. Vol. 40 No. 11 november 2018. Pp. 2541-2545. ISSN: 0162-8828. Impact factor(2017): 9.455. 2017-Q1	https://doi.org/10.1109/TPAMI.2018.2869610 .
227	The emergence and current state of drug trafficking-related social media in Mexico: A text mining approach	2018	Antonio Rico Sulayes, Maria Manuela Gutierrez Leefmans, Luis Villaseñor Pineda	número 27 de Graffylia (2018). Revista de la Facultad de Filosofía y Letras, BUAP	No tiene DOI
228	Tree-based search of the next best view/state for three-dimensional object reconstruction	2018	J Irving Vasquez-Gomez, L Enrique Sucar, Rafael Murrieta-Cid and Juan-Carlos Herrera-Lozada.	International Journal of Advanced Robotics Systems, Volume 15, Issue 1, Jan-Feb 2018, 1–11. ISSN: 1729-8814. Impact Factor(2017): 0.952. 2017-Q4.	https://doi.org/10.1177/1729881418754575
229	Una metaheurística con reencadenamiento de trayectorias para optimizar planes territoriales	2018	Roger Rios, Hugo Jair Escalante.	Ciencia UANL, año 21, número 87, páginas:34-39. febrero 2018. ISSN: 2007-1175. 2018.	http://www.itcelaya.edu.mx/ojs/index.php/pistas/article/view/1148/938

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