



### 5.9.1. PUBLICACIONES ARBITRADAS

N°	Título	Año	Autores	Revista/Libro/Editorial	DOI/ISBN	Tipo de Publicación	Lugar de Publicación
1	A Bayesian direct method implementation to fit emission line spectra: application to the primordial He abundance determination	2019	Fernández, Vital, Terlevich, Elena, Díaz, Angeles I., & Terlevich, Roberto.	Monthly Notices of the Royal Astronomical Society	<a href="https://doi.org/10.1093/mnras/stz1433">10.1093/mnras/stz1433</a>	Científica/Internacional	Reuno Unido
2	A Solar Mid-Infrared Telescope	2019	J.E.Mendoza-Torres, J.S. Palacios-Fonseca, M. Velázquez-de-la-Rosa P., Rodríguez-Montero, A. De-Roa-Campoy, E. Valadez-Campos, M.O. Arias-Estrada, J. Peña-Saint-Martin, B. Rodríguez Pedroza I. Gómez-Arista M.Juárez-Gama, K. Gottschalk and I.C. Medina-Carrillo	Astrophysics and Space Science	10.22201/ia.01851101p.2019.55.01.02	Científica/Internacional	Holanda
3	All-Sky Measurement of the Anisotropy of Cosmic Rays at 10 TeV and Mapping of the Local Interstellar Magnetic Field	2019	A. U. Abeysekara <sup>1</sup> , R. Alfaro <sup>2</sup> , C. Alvarez <sup>3</sup> , R. Arceo <sup>3</sup> , J. C. Arteaga-Velázquez <sup>4</sup> , D. Avila Rojas <sup>2</sup> , E. Belmont-Moreno <sup>2</sup> , S. Y. BenZvi <sup>5</sup> , C. Brisbois <sup>6</sup> , T. Capistrán <sup>7</sup> , A. Carramiana <sup>7</sup> , S. Casanova <sup>8</sup> , U. Cotti <sup>4</sup> , J. Cotzomi <sup>9</sup> , J. C. Díaz-Vélez <sup>10,11</sup> , C. De León <sup>9</sup> , E. De la Fuente <sup>12</sup> , S. Dichiaro <sup>13</sup> , M. A. DuVernois <sup>11</sup> , C. Espinoza <sup>2</sup> , D. W. Fiorino <sup>14</sup> , H. Fleischhack <sup>6</sup> , N. Fraija <sup>13</sup> , A. Galván-Gómez <sup>13</sup> , J. A. García-González <sup>2</sup> , M. M. González <sup>13</sup> , J. A. Goodman <sup>14</sup> , Z. Hampel-Arias <sup>11,15</sup> , J. P. Harding <sup>16</sup> , S. Hernandez <sup>2</sup> , B. Hona <sup>6</sup> , F. Hueyotl-Zahuantitla <sup>3</sup> , A. Iriarte <sup>13</sup> , A. Jardin-Blicq <sup>17</sup> , V. Joshi <sup>17</sup> , A. Lara <sup>18</sup> , H. León Vargas <sup>2</sup> , G. Luis-Raya <sup>19</sup> , K. Malone <sup>20</sup> , S. S. Marinelli <sup>21</sup> , J. Martínez-Castro <sup>22</sup> , O. Martínez <sup>9</sup> , J. A. Matthews <sup>23</sup> , P. Miranda-Romagnoli <sup>24</sup> , E. Moreno <sup>9</sup> , M. Mostafá <sup>20</sup> , L. Nellen <sup>25</sup> , M. Newbold <sup>1</sup> , M. U. Nisa <sup>5</sup> , R. Noriega-Papaqui <sup>24</sup> , E. G. Pérez-Pérez <sup>19</sup> , J. Pretz <sup>20</sup> , Z. Ren <sup>23</sup> , C. D. Rho <sup>5</sup> , C. Rivière <sup>14</sup> , D. Rosa-González <sup>7</sup> , M. Rosenberg <sup>20</sup> , H. Salazar <sup>9</sup> , F. Salesa Greus <sup>8</sup> , A. Sandoval <sup>2</sup> , M. Schneider <sup>14</sup> , H. Schoorlemmer <sup>17</sup> , G. Sinnis <sup>16</sup> , A. J. Smith <sup>14</sup> , P. Surajbali <sup>17</sup> , I. Taboada <sup>26</sup> , K. Tollefson <sup>21</sup> , I. Torres <sup>7</sup> , L. Villaseor <sup>9</sup> , T. Weisgarber <sup>11</sup> , J. Wood <sup>11</sup> , A. Zepeda <sup>27</sup> , H. Zhou <sup>16</sup> , J. D. Álvarez <sup>4</sup> , HAWC Collaboration, M. G. Aartsen <sup>28</sup> , M. Ackermann <sup>29</sup> , J. Adams <sup>28</sup> , J. A. Aguilar <sup>30</sup> , M. Ahlers <sup>31</sup> , M. Ahrens <sup>32</sup> , D. Altmann <sup>33</sup> , K. Andeen <sup>34</sup> , T. Anderson <sup>20</sup> , I. Anseau <sup>30</sup> , G. Anton <sup>33</sup> , C. Argüelles <sup>35</sup> , J. Auffenberg <sup>36</sup> , S. Axani <sup>35</sup> , P. Backes <sup>36</sup> , H. Bagherpour <sup>28</sup> , X. Bai <sup>37</sup> , A. Barbano <sup>38</sup> , J. P. Barron <sup>39</sup> , S. W. Barwick <sup>40</sup> , V. Baum <sup>41</sup> , R. Bay <sup>42</sup> , J. J. Beatty <sup>43</sup> , J. Becker Tjus <sup>45</sup> , K.-H. Becker <sup>46</sup> , S. BenZvi <sup>5</sup> , D. Berley <sup>14</sup> , E. Bernardini <sup>29</sup> , D. Z. Besson <sup>47</sup> , G. Binder <sup>42,48</sup> , D. Bindig <sup>46</sup> , E. Blaufuss <sup>14</sup> , S. Blot <sup>29</sup> , C. Boehm <sup>32</sup> , M. Bömer <sup>49</sup> , F. Bos <sup>45</sup> , S. Böser <sup>41</sup> , O. Botner <sup>50</sup> , E. Bourbeau <sup>31</sup> , J. Bourbeau <sup>11</sup> , F. Bradascio <sup>29</sup> , J. Braun <sup>11</sup> , H.-P. Bretz <sup>29</sup> , S. Bron <sup>38</sup> , J. Brostean-Kaiser <sup>29</sup> , A. Burgman <sup>50</sup> , R. S. Busse <sup>11</sup> , T. Carver <sup>38</sup> , E. Cheung <sup>14</sup> , D. Chirkin <sup>11</sup> , K. Clark <sup>51</sup> , L. Classen <sup>52</sup> , G. H. Collin <sup>35</sup> , J. M. Conrad <sup>35</sup> , P. Coppin <sup>53</sup> , P. Correa <sup>53</sup> , D. F. Cowen <sup>20,54</sup> , R. Cross <sup>5</sup> , P. Dave <sup>26</sup> , M. Day <sup>11</sup> , J. P. A. M. de André <sup>21</sup> , C. De Clercq <sup>53</sup> , J. J. DeLaunay <sup>20</sup> , H. Dembinski <sup>55</sup> , K. Deoskar <sup>32</sup> , S. De Ridder <sup>56</sup> .	The Astrophysical Journal	<a href="https://doi.org/10.3847/1538-4357/aaf5cc">10.3847/1538-4357/aaf5cc</a>	Científica/Internacional	Estados Unidos

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4	Assessing Disk Galaxy Stability through Time	2019	Valencia-Enríquez, D.; Puerari, I.; Rodrigues, I.	The Astrophysical Journal	<a href="https://doi.org/10.3847/1538-3881/ab100f">10.3847/1538-3881/ab100f</a>	Científica/Internacional	Estados Unidos
5	Characterization of a Sample of Southern M Dwarfs Using Harps and X-shooter Spectra	2019	Kuznetsov, M. K., del Burgo, C., Pavlenko, Y. V., Frith, J.	The Astrophysical Journal	<a href="https://doi.org/10.3847/1538-4357/ab1fe9">10.3847/1538-4357/ab1fe9</a>	Científica/Internacional	Estados Unidos
6	Dust opacity variations in the pre-stellar core L1544	2019	Chacón-Tanarro, J. E. Pineda, P. Caselli, L. Bizzocchi, R. A. Gutermuth, B. S. Mason, A. I. Gómez-Ruiz, J. Harju, M. Devlin, S. R. Dicker, T. Mroczkowski, C. E. Romero, J. Sievers, S. Stanchfield, S. Offner and D. Sánchez-Argüelles.	Astronomy & Astrophysics	<a href="https://doi.org/10.1051/0004-6361/201833385">10.1051/0004-6361/201833385</a>	Científica/Internacional	Alemania
7	Dynamics of Thick, Open Spirals in PERLAS Potentials	2019	Chaves-Velasquez, L.; Patsis, P. A.; Puerari, I.; Moreno, E.; Pichardo, B.;	The Astrophysical Journal	<a href="https://doi.org/10.3847/1538-4357/aaf6a6">10.3847/1538-4357/aaf6a6</a>	Científica/Internacional	Estados Unidos
8	Early science with the Large Millimetre Telescope: An LMT/AzTEC 1.1 mm Survey of dense cores in the Monoceros R2 giant molecular cloud	2019	Sokol, Alyssa D.; Gutermuth, R. A.; Pokhrel, R.; Gómez-Ruiz, A. I.; Wilson, G. W.; Offner, S. S. R.; Heyer, M.; Luna, A.; Schloerb, F. P.; Sánchez, D.,	Monthly Notices of the Royal Astronomical Society	<a href="https://doi.org/10.1093/mnras/sty3107">10.1093/mnras/sty3107</a>	Científica/Internacional	Reuno Unido
9	Evidence for an emerging disc wind and collimated outflow during an X-ray flare in the narrow-line Seyfert 1 galaxy Mrk 335	2019	L. Gallo, A.G. Gonzalez , S. G. H. Waddell, H. J. S. Ehler, D. R. Wilkins, A. L. Longinotti, D. Grupe, S. Komossa, G. A. Kriss, C. Pinto, S. Tripathi, A. C. Fabian, Y. Krongold, S. Mathur, M. L. Parker, and A. Pradhan.	Monthly Notices of the Royal Astronomical Society	<a href="https://doi.org/10.1093/mnras/stz274">10.1093/mnras/stz274</a>	Científica/Internacional	Reuno Unido



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10	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole	2019	Event Horizon Telescope Collaboration; Akiyama, Kazunori; Alberdi, Antxon; Alef, Walter; Asada, Keiichi; Azulay, Rebecca; Baczko, Anne-Kathrin; Ball, David; Baloković, Mislav; Barrett, John; Bintley, Dan; Blackburn, Lindy; Huang, Chih-Wei L.; Huang, Lei; Hughes, David H.; Ikeda, Shiro; Inoue, Makoto; Issaoun, Sara; James, David J.; Jannuzi, Buell T.; Karami, Mansour; Karuppusamy, Ramesh; Kawashima, Tomohisa; Keating, Garrett K.; Allardi, Alexander; Amestica, Rodrigo; Anczarski, Jady; Bach, Uwe; Baganoff, Frederick K.; Beaudoin, Christopher; Benson, Bradford A.; Berthold, Ryan; Blanchard, Jay M.; Blundell, Ray; Bustamente, Sandra; Cappallo, Roger; Castillo-Domínguez, Edgar; Chang, Chih-Cheng; Chang, Shu-Hao; Chang, Song-Chu; Chen, Chung-Chen; Chilson, Ryan; Chuter, Tim C.; Córdova Rosado, Rodrigo; Coulson, Iain M.; Crawford, Thomas M.; Crowley, Joseph; David, John; Derome, Mark; Dexter, Matthew; Dornbusch, Sven; Dudevoir, Kevin A.; Dzib, Sergio A.; Eckart, Andreas; Eckert, Chris; Erickson, Neal R.; Everett, Wendeline B.; Faber, Aaron; Farah, Joseph R.; Fath, Vernon; Folkers, Thomas W.; Forbes, David C.; Freund, Robert; Gómez-Ruiz, Arturo I.; Gale, David M.; Gao, Feng; Geertsema, Gertie; Graham, David A.; Greer, Christopher H.; Grosslein, Ronald; Gueth, Frédéric; Haggard, Daryl; Halverson, Nils W.; Han, Chih-Chiang; Han, Kuo-Chang; Hao, Jinchu; Hasegawa, Yutaka; Henning, Jason W.; Hernández-Gómez, Antonio; Herrero-Illana, Rubén; Heyminck, Stefan; Hirota, Akihiko; Hoge, James; Huang, Yau-De; Impellizzeri, C. M. Violette; Jiang, Homin; Kamble, Atish; Keisler, Ryan; Kimura, Kimihiro; Kono, Yusuke; Kubo, Derek; Kuroda, John; Lacasse, Richard; Laing, Robert A.; Leitch, Erik M.; Li, Chao-Te; Lin, Lupin C. -C.; Liu, Ching-Tang; Liu, Kuan-Yu; Lu, Li-Ming; Marson, Ralph G.; Martin-Cocher, Pierre L.; Massingill, Kyle D.; Matulonis, Callie; McColl, Martin P.; McWhirter, Stephen R.; Messias, Hugo; Meyer-Zhao, Zheng; Michalik, Daniel; Montaña, Alfredo; Montgomerie, William; Mora-Klein, Matias; Timmer, Sjoerd T.; Vertatschitsch, Laura; Walther, Craig; Wei, Ta-Shun; Whitehorn, Nathan; Whitney, Alan R.; Woody, David P.; Wouterloot, Jan G. A.; Wright, Melvin; Yamaguchi, Paul; Yu, Chen-Yu; Zeballos, Milagros; Zhang, Shuo; Zuriys, Lucy	The Astrophysical Journal Letters	10.3847/2041-8213/ab0ec7	Científica/Internacional	Estados Unidos



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11	First M87 Event Horizon Telescope Results. II. Array and Instrumentation	2019	Event Horizon Telescope Collaboration; Akiyama, Kazunori; Alberdi, Antxon; Alef, Walter; Asada, Keiichi; Azulay, Rebecca; Baczko, Anne-Kathrin; Ball, David; Baloković, Mislav; Barrett, John; Bintley, Dan; Blackburn, Lindy; Huang, Chih-Wei L.; Huang, Lei; Hughes, David H.; Ikeda, Shiro; Inoue, Makoto; Issaoun, Sara; James, David J.; Jannuzi, Buell T.; Janssen, Michael; Jeter, Britton; Jiang, Wu; Johnson, Michael D.; Jorstad, Svetlana; Ryan, Benjamin R.; Rygl, Kazi L. J.; Sánchez, Salvador; Sánchez-Argüelles, David; Sasada, Mahito; Savolainen, Tuomas; Schloerb, F. Peter; Schuster, Karl-Friedrich; Shao, Lijing; Shen, Zhiqiang; Small, Des; Sohn, Bong Won; SooHoo, Jason; Tazaki, Fumie; Tiede, Paul; Tilanus, Remo P. J.; Titus, Michael; Toma, Kenji; Torne, Pablo; Trent, Tyler; Trippe, Sascha; Tsuda, Shuichiro; van Bemmell, Ilse; van Langevelde, Huib Jan; van Rossum, Daniel R.; Wagner, Jan; Wardle, John; Weintraub, Jonathan; Wex, Norbert; Wharton, Robert; Wielgus, Maciek; Wong, George N.; Wu, Qingwen; Young, André; Young, Ken; Younsi, Ziri; Yuan, Feng; Yuan, Ye-Fei; Zensus, J. Anton; Zhao, Guangyao; Zhao, Shan-Shan; Zhu, Ziyang; Algaba, Juan-Carlos; Allardi, Alexander; Amestica, Rodrigo; Bach, Uwe; Beaudoin, Christopher; Benson, Bradford A.; Berthold, Ryan; Blanchard, Jay M.; Blundell, Ray; Bustamente, Sandra; Cappallo, Roger; Castillo-Dominguez, Edgar; Chang, Chih-Cheng; Chang, Shu-Hao; Chang, Song-Chu; Freund, Robert; Gómez-Ruiz, Arturo I.; Gale, David M.; Gao, Feng; Geertsema, Gertie; Graham, David A.; Greer, Christopher H.; Grosslein, Ronald; Gueth, Frédéric; Halverson, Nils W.; Han, Chih-Chiang; Han, Kuo-Chang; Hao, Jinchi; Hasegawa, Yutaka; Henning, Jason W.; Hernández-Gómez, Antonio; Herrero-Illana, Rubén; Heyminck, Stefan; Hirota, Akihiko; Hoge, James; Huang, Yau-De; Impellizzeri, C. M. Violette; Jiang, Homin; Kamble, Atish; Keisler, Ryan; Kimura, Kimihiro; Kono, Yusuke; Kubo, Derek; Kuroda, John; Lacasse, Richard; Laing, Robert A.; Leitch, Erik M.; Li, Chao-Te; Lin, Lupin C. -C.; Liu, Ching-Tang; Liu, Kuan-Yu; Lu, Li-Ming; Marson, Ralph G.; Martin-Cocher, Pierre L.; Massingill, Kyle D.; Matulonis, Callie; McColl, Martin P.; McWhirter, Stephen R.; Messias, Hugo; Meyer-Zhao, Zheng; Michalik, Daniel; Montaña, Alfredo; Vertatschitsch, Laura; Walther, Craig; Wei, Ta-Shun; Whitehorn, Nathan; Whitney, Alan R.; Woody, David P.; Wouterloot, Jan G. A.; Wright, Melvin; Yamaguchi, Paul; Yu, Chen-Yu; Zeballos, Milagros; Ziurys, Lucy	The Astrophysical Journal Letters	<a href="https://doi.org/10.3847/2041-8213/ab0c96">10.3847/2041-8213/ab0c96</a>	Científica/Internacional	Estados Unidos



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12	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration	2019	Event Horizon Telescope Collaboration; Akiyama, Kazunori; Alberdi, Antxon; Alef, Walter; Asada, Keiichi; Azulay, Rebecca; Baczo, Anne-Kathrin; Ball, David; Baloković, Mislav; Barrett, John; Bintley, Dan; Blackburn, Lindy; Huang, Chih-Wei L.; Huang, Lei; Hughes, David H.; Ikeda, Shiro; Inoue, Makoto; Issaoun, Sara; James, David J.; Jannuzi, Buell T.; Janssen, Michael; Jeter, Britton; Jiang, Wu; Johnson, Michael D.; Jorstad, Svetlana; Jung, Taehyun; Karami, Mansour; Karuppusamy, Ramesh; Kawashima, Tomohisa; Keating, Garrett K.; Kettenis, Mark; Kim, Jae-Young; Kim, Junhan; Kim, Jongsoo; Kino, Motoki; Koay, Jun Yi; Koch, Patrick M.; Koyama, Shoko; Kuo, Cheng-Yu; Lauer, Tod R.; Lee, Sang-Sung; Li, Yan-Rong; Ruzsczyk, Chet; Ryan, Benjamin R.; Rygl, Kazi L. J.; Sánchez, Salvador; Sánchez-Argüelles, David; Sasada, Mahito; Savolainen, Tuomas; Schloerb, F. Peter; Schuster, Karl-Friedrich; Shao, Lijing; Shen, Zhiqiang; Small, Des; Sohn, Bong Won; SooHoo, Jason; Tazaki, Fumie; Tiede, Paul; Tilanus, Remo P. J.; Titus, Michael; Toma, Kenji; Torne, Pablo; Trent, Tyler; Trippe, Sascha; Tsuda, Shuichiro; van Bemmell, Ilse; van Langevelde, Huib Jan; van Rossum, Daniel R.; Wagner, Jan; Wardle, John; Weintroub, Jonathan; Wex, Norbert; Wharton, Robert; Wielgus, Maciek; Wong, George N.; Wu, Qingwen; Young, André; Young, Ken; Younsi, Ziri; Yuan, Feng; Yuan, Ye-Fei; Zensus, J. Anton; Zhao, Guangyao; Zhao, Shan-Shan; Zhu, Ziyang; Cappallo, Roger; Farah, Joseph R.; Folkers, Thomas W.; Meyer-Zhao, Zheng; Michalik, Daniel; Nadolski, Andrew; Nishioka, Hiroaki; Pradel, Nicolas; Primiani, Runik A.; Souccar, Kamal; Vertatschitsch, Laura; Yamaguchi, Paul	The Astrophysical Journal Letters	<a href="https://doi.org/10.3847/2041-8213/ab0c57">10.3847/2041-8213/ab0c57</a>	Científica/Internacional	Estados Unidos



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13	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole	2019	Event Horizon Telescope Collaboration; Akiyama, Kazunori; Alberdi, Antxon; Alef, Walter; Asada, Keiichi; Azuly, Rebecca; Baczo, Anne-Kathrin; Ball, David; Baloković, Mislav; Barrett, John; Bintley, Dan; Blackburn, Lindy; Boland, Wilfred; Bouman, Katherine L.; Bower, Geoffrey C.; Bremer, Michael; Brinkerink, Christiaan D.; Brissenden, Roger; Britzen, Silke; Broderick, Avery E.; Brogiere, Dominique; Bronzwaer, Thomas; Byun, Do-Young; Carlstrom, John E.; Honma, Mareki; Huang, Chih-Wei L.; Huang, Lei; Hughes, David H.; Ikeda, Shiro; Inoue, Makoto; Issaoun, Sara; James, David J.; Januzzi, Buell T.; Janssen, Michael; Jeter, Britton; Jiang, Wu; Johnson, Michael D.; Jorstad, Svetlana; Jung, Taehyun; Karami, Mansour; Karuppusamy, Ramesh; Kawashima, Tomohisa; Keating, Garrett K.; Kettenis, Mark; Kim, Jae-Young; Kim, Junhan; Kim, Jongsoo; Kino, Motoki; Koay, Jun Yi; Koch, Patrick M.; Koyama, Shoko; Kramer, Michael; Kramer, Carsten; Krichbaum, Thomas P.; Kuo, Cheng-Yu; Lauer, Tod R.; Lee, Sang-Sung; Li, Yan-Rong; Li, Zhiyuan; Lindqvist, Michael; Liu, Kuo; Roelofs, Freek; Rogers, Alan; Ros, Eduardo; Rose, Mel; Roshanineshat, Arash; Rottmann, Helge; Roy, Alan L.; Ruszczyk, Chet; Ryan, Benjamin R.; Rygl, Kazi L. J.; Sánchez, Salvador; Sánchez-Arguelles, David; Sasada, Mahito; Savolainen, Tuomas; Schloerb, F. Peter; Schuster, Karl-Friedrich; Shao, Lijing; Shen, Zhiqiang; Small, Des; Sohn, Bong Won; SooHoo, Jason; Tazaki, Fumie; Tiede, Paul; Tilanus, Remo P. J.; Titus, Michael; Toma, Kenji; Torne, Pablo; Trent, Tyler; Trippe, Sascha; Tsuda, Shuichiro; van Bemmell, Ilse; van Langevelde, Huib Jan; van Rossum, Daniel R.; Wagner, Jan; Wardle, John; Weintroub, Jonathan; Wex, Norbert; Wharton, Robert; Wielgus, Maciek; Wong, George N.; Wu, Qingwen; Young, André; Young, Ken; Younsi, Ziri; Yuan, Feng; Yuan, Ye-Fei; Zensus, J. Anton; Zhao, Guangyao; Zhao, Shan-Shan; Zhu, Ziyang; Farah, Joseph R.; Meyer-Zhao, Zheng; Michalik, Daniel; Nadolski, Andrew; Nishioka, Hiroaki; Pradel, Nicolas; Primiani, Rurik A.; Souccar, Kamal; Vertatschitsch, Laura; Yamaguchi, Paul	The Astrophysical Journal Letters	<a href="https://doi.org/10.3847/2041-8213/ab0e85">10.3847/2041-8213/ab0e85</a>	Científica/Internacional	Estados Unidos



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14	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring	2019	Event Horizon Telescope Collaboration; Akiyama, Kazunori; Alberdi, Antxon; Alef, Walter; Asada, Keiichi; Azulay, Rebecca; Baczko, Anne-Kathrin; Ball, David; Baloković, Mislav; Barrett, John; Bintley, Dan; Blackburn, Lindy; Boland, Wilfred; Bouman, Katherine L.; Bower, Geoffrey C.; Bremer, Michael; Brinkerink, Christiaan D.; Brissenden, Roger; Britzen, Silke; Broderick, Avery E. Brogiere, Dominique; Bronzwaer, Thomas; Byun, Do-Young; Carlstrom, John E.; Honma, Mareki; Huang, Chih-Wei L.; Huang, Lei; Hughes, David H.; Ikeda, Shiro; Inoue, Makoto; Issaoun, Sara; James, David J.; Jannuzi, Buell T.; Janssen, Michael; Jeter, Britton; Jiang, Wu; Johnson, Michael D.; Jorstad, Svetlana; Jung, Taehyun; Karami, Mansour; Karuppusamy, Ramesh; Kawashima, Tomohisa; Keating, Garrett K.; Kettenis, Mark; Kim, Jae-Young; Kim, Junhan; Kim, Jongsoo; Kino, Motoki; Koay, Jun Yi; Koch, Patrick M.; Koyama, Shoko; Kramer, Michael; Kramer, Carsten; Krichbaum, Thomas P.; Kuo, Cheng-Yu; Lauer, Tod R.; Lee, Sang-Sung; Li, Yan-Rong; Li, Zhiyuan; Lindqvist, Michael; Liu, Kuo; Liuzzo, Elisabetta; Lo, Wen-Ping; Ripperda, Bart; Roelofs, Freek; Rogers, Alan; Ros, Eduardo; Rose, Mel; Roshanineshat, Arash; Rottmann, Helge; Roy, Alan L.; Ruszczyk, Chet; Ryan, Benjamin R.; Rygl, Kazi L. J.; Sánchez, Salvador; Sánchez-Arguelles, David; Sasada, Mahito; Savolainen, Tuomas; Schloerb, F. Peter; Schuster, Karl-Friedrich; Shao, Lijing; Shen, Zhiqiang; Small, Des; Sohn, Bong Won; SooHoo, Jason; Tazaki, Fumie; Tiede, Paul; Tilanus, Remo P. J.; Titus, Michael; Toma, Kenji; Torne, Pablo; Trent, Tyler; Trippe, Sascha; Tsuda, Shuichiro; van Bemmelen, Ilse; van Langevelde, Huib Jan; van Rossum, Daniel R.; Wagner, Jan; Wardle, John; Weintroub, Jonathan; Wex, Norbert; Wharton, Robert; Wielgus, Maciek; Wong, George N.; Wu, Qingwen; Young, André; Young, Ken; Younsi, Ziri; Yuan, Feng; Yuan, Ye-Fei; Zensus, J. Anton; Zhao, Guangyao; Zhao, Shan-Shan; Zhu, Ziyang; Anczarski, Jady; Baganoff, Frederick K.; Eckart, Andreas; Farah, Joseph R.; Haggard, Daryl; Meyer-Zhao, Zheng; Michalik, Daniel; Nadolski, Andrew; Neilsen, Joseph; Nishioka, Hiroaki; Nowak, Michael A.; Pradel, Nicolas; Primiani, Rurik A.; Souccar, Kamal; Vertatschitsch, Laura; Yamaguchi, Paul; Zhang, Shuo	The Astrophysical Journal Letters	<a href="https://doi.org/10.3847/2041-8213/ab0f43">10.3847/2041-8213/ab0f43</a>	Científica/Internacional	Estados Unidos

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15	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole	2019	Event Horizon Telescope Collaboration; Akiyama, Kazunori; Alberdi, Antxon; Alef, Walter; Asada, Keiichi; Azuly, Rebecca; Baczo, Anne-Kathrin; Ball, David; Baloković, Mislav; Barrett, John; Bintley, Dan; Blackburn, Lindy; Boland, Wilfred; Honma, Mareki; Huang, Chih-Wei L.; Huang, Lei; Hughes, David H.; Ikeda, Shiro; Inoue, Makoto; Issaoun, Sara; James, David J.; Jannuzi, Buell T.; Janssen, Michael; Jeter, Britton; Jiang, Wu; Johnson, Michael D.; Jorstad, Svetlana; Jung, Taehyun; Karami, Mansour; Karuppusamy, Ramesh; Kawashima, Tomohisa; Keating, Garrett K.; Kettenis, Mark; Kim, Jae-Young; Kim, Junhan; Kim, Jongsoo; Kino, Motoki; Koay, Jun Yi; Koch, Patrick M.; Koyama, Shoko; Kramer, Michael; Kramer, Carsten; Krichbaum, Thomas P.; Kuo, Cheng-Yu; Lauer, Tod R.; Lee, Sang-Sung; Li, Yan-Rong; Li, Zhiyuan; Lindqvist, Michael; Liu, Kuo; Liuzzo, Elisabetta; Lo, Wen-Ping; Lobanov, Andrei P.; Loinard, Laurent; Lonsdale, Colin; Lu, Ru-Sen; MacDonald, Nicholas R.; Mao, Jirong; Markoff, Sera; Marrone, Daniel P.; Marscher, Alan P.; Martí-Vidal, Iván; Matsushita, Satoki; Matthews, Lynn D.; Medeiros, Lia; Menten, Karl M.; Ruzszyk, Chet; Ryan, Benjamin R.; Rygl, Kazi L. J.; Sánchez, Salvador; Sánchez-Argüelles, David; Sasada, Mahito; Savolainen, Tuomas; Schloerb, F. Peter; Schuster, Karl-Friedrich; Shao, Lijing; Shen, Zhiqiang; Small, Des; Sohn, Bong Won; SooHoo, Jason; Tazaki, Fumie; Tiede, Paul; Tilanus, Remo P. J.; Titus, Michael; Toma, Kenji; Torne, Pablo; Trent, Tyler; Trippe, Sascha; Tsuda, Shuichiro; van Bemmel, Ilse; van Langevelde, Huib Jan; van Rossum, Daniel R.; Wagner, Jan; Wardle, John; Weintraub, Jonathan; Wex, Norbert; Wharton, Robert; Wielgus, Maciek; Wong, George N.; Wu, Qingwen; Young, André; Young, Ken; Younsi, Ziri; Yuan, Feng; Yuan, Ye-Fei; Zensus, J. Anton; Zhao, Guangyao; Zhao, Shan-Shan; Zhu, Ziyang; Farah, Joseph R.; Meyer-Zhao, Zheng; Michalik, Daniel; Nadolski, Andrew; Nishioka, Hiroaki; Pradel, Nicolas; Primiani, Rurik A.; Souccar, Kamal; Vertatschitsch, Laura; Yamaguchi, Paul	The Astrophysical Journal Letters	<a href="https://doi.org/10.3847/2041-8213/ab1141">10.3847/2041-8213/ab1141</a>	Científica/Internacional	Estados Unidos
16	Flat Spectrum Radio Continuum Emission Associated with E Eridani	2019	Luis Rodríguez, Luis Rodríguez, Susana Lizano, Laurent Loinard, Miguel Ch'avez-Dagostino, Timothy Bastian, and Anthony Beasley	The Astrophysical Journal	<a href="https://doi.org/10.3847/1538-4357/aaf9a6">10.3847/1538-4357/aaf9a6</a>	Científica/Internacional	Estados Unidos
17	From outburst to quiescence: spectroscopic evolution of V1838 Aql imbedded in a bow-shock nebula	2019	Hernández Santisteban, J. V., Echevarría, J., Zharikov, S., Neustroev, V., Tovmassian, G., Chavushyan, V., Napiwotzki, R., Costero, R., Michel, R., Sánchez, L. J., Ruelas-Mayorga, A., Olgüin, L., García-Díaz, M. T., González-Buitrago, D., de Miguel, E., de la Fuente, E., de Anda, R., & Suleimanov, V.	Monthly Notices of the Royal Astronomical Society	<a href="https://doi.org/10.1093/mnras/stz798">10.1093/mnras/stz798</a>	Científica/Internacional	Reuno Unido
18	High-resolution MEGARA IFU spectroscopy and structural analysis of a fast-rotating, disk bulge in NGC 7025	2019	Dullo, Billign T.; Chamorro-Cazorla, Mario; Gil de Paz, Armando. Castillo-Morales, Africa; Gallego Jesús; Carrasco, Esperanza; Iglesias-Páramo, J. Cedazo, Raquel; Garcia-Vargas, Marisa; Pascual, Sergio; Cardiel, Nicolás; Pérez-Calpena, Ana; Gómez-Cambronero, Pedro; Martínez-Delgado, Ismael; Catalán-Torrecilla, Cristina	The Astrophysical Journal	<a href="https://doi.org/10.3847/1538-4357/aaf424">10.3847/1538-4357/aaf424</a>	Científica/Internacional	Estados Unidos
19	Independent cosmological constraints from high-z H II galaxies	2019	González-Morán, Ana Luisa, Chávez, Ricardo, Terlevich, Roberto, Terlevich, Elena, Bresolin, Fabio, Fernández-Arenas, David, Plionis, Manolis, Basilakos, Spyros, Melnick, Jorge, & Telles, Eduardo.	Monthly Notices of the Royal Astronomical Society,	<a href="https://doi.org/10.1093/mnras/stz1577">10.1093/mnras/stz1577</a>	Científica/Internacional	Reuno Unido
20	Long-term optical spectral monitoring of a changing-look active galactic nucleus NGC 3516 - I. Continuum and broad-line flux variability	2019	Shapovalova, A. I.; Popović, L. Č.; Afanasiev, V. L.; Ilić, D.; Kovačević, A.; Burenkov, A. N.; Chavushyan, V. H.; Marčeta-Mandić, S.; Spiridonova, O.; Valdes, J. R.; Bochkarev, N. G.; Patiño-Álvarez, V.; Carrasco, L.; Zhdanova,	Monthly Notices of the Royal Astronomical Society	<a href="https://doi.org/10.1093/mnras/stz692">10.1093/mnras/stz692</a>	Científica/Internacional	Reuno Unido



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21	MAGIC and Fermi-LAT Gamma-ray Results on Unassociated HAWC Sources	2019	Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; Arcaro, C.; Baack, D.; Babić, A.; Banerjee, B.; Bangale, P.; Barres de Almeida, U.; Barrio, J. A.; Becerra González, J.; Bednarek, W.; Bernardini, E.; Berse, R. Ch; Berti, A.; Bhattacharyya, W.; Biland, A.; Bianchi, O.; Bonnoli, G. Carosi, R.; Carosi, A.; Ceribella, G.; Chatterjee, A.; Colak, S. M.; Colin, P.; Colombo, E.; Contreras, J. L.; Cortina, J.; Covino, S.; Cumani, P.; da Vela, P.; Dazzi, F.; de Angelis, A.; de Lotto, B.; 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.; 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.; 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.; Hueyotl-Zahuantitla, F.; Hui, C. M.; Hüntemeyer, 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.; Martinez, O.; Martinez-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.; Seglar Arroyo, M.; Sinnis, G.; Smith, A. J.; Springer, R. W.; Surabali, P.; Taboada, I.; Tibolla, O.; Tollefson, K.; Torres, I.; Ukwatta, T. N.; Vianello, G.; Villaseñor, L.; Werner, F.; Westerhoff, S.; Wood, J.; Yapici, T.; Ormes, J. F.; Palatiello, M.; Paliya, V. S.; Persic, M.; Pesce-Rollins, M.; Petrosian, V.; Piron, F.; Porter, T. A.; Principe, G.; Rainò, S.; Rani, B.; Razzano, M.; Razaque, S.; Reimer, A.; Reimer, O.; Sgrò, C.; Siskind, E. J.; Spandre, G.; Spinelli, P.; Tajima, H.; Takahashi, M.; Thayer, J. B.; Thompson, D. J.; Torres, D. F.; Torresi, E.; Troja, E.; Valverde, J.; Wood, K.; Yassine, M.; Fermi-Lat Collaboration	Monthly Notices of the Royal Astronomical Society	<a href="https://doi.org/10.1093/mnras/stz274">10.1093/mnras/stz274</a>	Científica/Internacional	Reuno Unido
22	Micro-arcsecond structure of Sagittarius A* revealed by high-sensitivity 86 GHz VLBI observations	2019	Brinkerink, Christiaan D.; Muller, Cornelia; Falcke, Heino D.; Issaoun, Sara; Akiyama, Kazunori; Bower, Geoffrey C.; Krichbaum, Thomas P.; Deller, Adam T.; Castillo, Edgar; Doleman, Sheperd S.; Fraga-Encinas, Raquel; Goddi, Ciriaco; Hernandez-Gomez, Antonio; Hughes, David H.; Kramer, Michael and Leon-Tavares, Jonathan; Loinard, Laurent and Montana, Alfredo; Moscibrodzka, Monika and Ortiz-Leon, Gisela N.; Sanchez-Arguelles, David; Tilanus, Remo P.J.; Wilson, Grant W.; Zensus, Anton.	Astronomy and Astrophysics	10.1051/0004-6361/201834148	Científica/Internacional	Alemania
23	Nature of Faint Radio Sources in GOODS-North and GOODS-South Fields. I. Spectral Index and Radio-FIR	2019	Gim, H. B., Yun, M. S., Owen, F. N., Momjian, E., Miller, N. A., Giavalisco, M., Wilson, G., Lowenthal, J. D., Aretxaga, I., Hughes, D. H., Morrison, G. E., Kawabe, R.	The Astrophysical Journal	<a href="https://doi.org/10.3847/1538-4357/ab1011">10.3847/1538-4357/ab1011</a>	Científica/Internacional	Estados Unidos
24	New GTC spectroscopic data and a statistical study to better constrain the redshift of the BL Lac RGB J2243 + 203	2019	Rosa González, D., Muriel, H., Mayya, Y. D., Aretxaga, I., Becerra González, J., Carramiñana, A., Méndez-Abreu, J., Vega, O., Terlevich, E., Coutiño de León, S., Furniss, A., Longinotti, A. L., Terlevich, R. J., Pichel, A. C., Rovero, A. C., Donzelli, C.	Monthly Notices of the Royal Astronomical Society	<a href="https://doi.org/10.1093/mnras/sty3065">10.1093/mnras/sty3065</a>	Científica/Internacional	Reuno Unido
25	On the Star Formation Efficiencies and Evolution of Multiple Stellar Generations in Globular Clusters	2019	Tenorio-Tagle, G., Slich, S., Palous, J., Muñoz-Tuñón, C., and Wunsch, R.	The Astrophysical Journal	<a href="https://doi.org/10.3847/1538-4357/ab2455">https://doi.org/10.3847/1538-4357/ab2455</a>	Científica/Internacional	Estados Unidos
26	Optical spectroscopic observations of gamma-ray blazar candidates VIII: the 2016-2017 follow up campaign carried out at SPM, NOT, KPNO and SOAR telescopes	2019	Marchesini, E. J., Peña-Herazo, H.A., Álvarez Crespo, N., Ricci, F., Negro, M., Milisavljevic, D., Massaro, F., Masetti, N., Landoni, M., Chavushyan, V., D'Abrusco, R., Jiménez-Bailón, E., La Franca, F., Paggi, A., Smith, H. A., & Tosti, G	Astrophysics and Space Science,	<a href="https://doi.org/10.1007/s10509-018-3490-z">10.1007/s10509-018-3490-z</a>	Científica/Internacional	Holanda

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27	Optical spectroscopic observations of gamma-ray blazar candidates. IX. Optical archival spectra and further observations from SOAR and OAGH	2019	Peña-Herazo, H. A., Massaro, F., Chavushyan, V., Marchesini, E. J., Paggi, A., Landoni, M., Masetti, N., Ricci, F., D'Abrusco, R., Milisavljevic, D., Jiménez-Bailón, E., La Franca, F., Smith, H. A., & Tosti, G.	Astrophysics and Space Science	10.1007/s10509-019-3574-4	Científica/Internacional	Holanda
28	Quantifying Star Formation Activity in the Inner 1 kpc of Local MIR Bright QSOs	2019	Martínez-Paredes, M., Aretxaga, I., González-Martín, O., Alonso-Herrero, A., Levenson, N. A., Ramos Almeida, C., López-Rodríguez, E	The Astrophysical Journal	<a href="https://doi.org/10.3847/1538-4357/aafa18">10.3847/1538-4357/aafa18</a>	Científica/Internacional	Estados Unidos
29	Spectroscopy of NGC 4258 globular cluster candidates: membership confirmation and kinematics	2019	González-Lópezlira, Rosa A.; Mayya, Y. D.; Loinard, Laurent; Álamo-Martínez, Karla; Heald, George; Georgiev, Iskren Y.; Órdenes-Briceño, Yasna; Lançon, Ariane; Lara-López, Maritza A.; Lomelí-Núñez, Luis; Bruzual, Gustavo; Puzia, Thomas H.	The Astrophysical Journal	<a href="https://doi.org/10.3847/1538-4357/ab113a">10.3847/1538-4357/ab113a</a>	Científica/Internacional	Estados Unidos
30	Structure and Expansion Law of H II Regions in structured Molecular Clouds	2019	Zamora-Avilés, Manuel; Vázquez-Semadeni, E., González, R. F., Franco, J.; Shore, Steven N.; Hartmann, L. W.; Ballesteros-Paredes, J.; Banerjee, R.; Körtgen, B.,	Monthly Notices of the Royal Astronomical Society	<a href="https://doi.org/10.1093/mnras/stz1235">10.1093/mnras/stz1235</a>	Científica/Internacional	Reuno Unido
31	The CARMENES search for exoplanets around M dwarfs. Different roads to radii and masses of the target stars	2019	Schweitzer, A., Passegger, V. M., Cifuentes, C., Béjar, V. J. S., Cortés-Contreras, M., Caballero, J. A., del Burgo, C., Czesla, S., Kürster, M., Montes, D., Zapatero Osorio, M. R., Ribas, I., Reiners, A., Quirrenbach, A., Amado, P. J., Aceituno, J., Anglada-Escudé, G., Bauer, F. F., Dreizler, S., Jeffers, S. V., Guenther, E. W., Henning, T., Kaminski, A., Lafarga, M., Marfil, E., Morales, J. C., Schmitt, J. H. M. M., Seifert, W., Solano, E., Taberner, H. M., Zechmeister, M.	Astronomy & Astrophysics	<a href="https://doi.org/10.1051/0004-6361/201834965">10.1051/0004-6361/201834965</a>	Científica/Internacional	Alemania
32	The XMM-Newton/HST View of the Obscuring Outflow in the Seyfert Galaxy Mrk 335 Observed at Extremely Low X-Ray Flux	2019	Longinotti, Anna Lia; Kriss, G.; Krongold, Y.; Arellano-Cordova, Z.; K. Komossa, S.; Gallo, L., Grupe, D.; Mathur, S.; Parker, M. L.; Pradhan, A.; Wilkins, D.	The Astrophysical Journal	<a href="https://doi.org/10.3847/1538-4357/ab125a">10.3847/1538-4357/ab125a</a>	Científica/Internacional	Estados Unidos
33	Tidal Disruptions of Stars by Binary Black Holes: Modifying the Spin Magnitudes and Directions of LIGO Sources in Dense Stellar Environments	2019	Martin Lopez Jr. 1 , Aldo Batta1,2 , Enrico Ramirez-Ruiz1,2 , Irvin Martinez2 , Johan Samsing3	The Astrophysical Journal	10.3847/1538-4357/ab1842	Científica/Internacional	Estados Unidos
34	Two New Catalogs of Blazar Candidates in the WISE Infrared Sky	2019	D'Abrusco, R., Álvarez Crespo, N., Massaro, F., Campana, R., Chavushyan, V., Landoni, M., La Franca, F., Masetti, N., Milisavljevic, D., Paggi, A., Ricci, F., & Smith, H. A	The Astrophysical Journal Supplement Series	<a href="https://doi.org/10.3847/1538-4365/ab16f4">10.3847/1538-4365/ab16f4</a>	Científica/Internacional	Estados Unidos
35	Determining topological charge based on an improved Fizeau interferometer	2019	Shengwei Cui, Bin Xu, Saiyu Luo, Huiying Xu, Zhiping Cai, Zhengqian Luo, Jixiong Pu And Sabino Chávez-Cerda	Optics Express	101364/OE.27.012774	Científica/Internacional	E. U.
36	Differences between (103) and (002) X-ray diffraction characteristics of nanostructured AZO films deposited by RF magnetron sputtering.	2019	I. Cosme, S. Vázquez-y-Parraguirre, O. Malik, S. Mansurova, N. Carlos, A. Tavira, G. Ramirez-Cruz, Y. Kudriavstev	Surface & Coatings Technology	10.1016/j.surfcoat.2019.05.033	Científica/Internacional	Holanda

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37	Efficient in vitro photodynamic inactivation using repetitive energy density on <i>Candida albicans</i> and <i>Trichophyton mentagrophytes</i>	2019	S. A. Torres-Hurtado, J. Ramírez-Ramírez, A. C. Larios-Morales, J. C. Ramírez-San-Juan, R. Ramos-García, A. P. Espinosa-Texis and T. Spezzia-Mazzocco	Photodiagnosis and Photodynamic Therapy	10.1016/j.pdpdt.2019.03.015	Científica/Internacional	Amsternam, Netherlands
38	Engineering SU (1, 1)⊗SU(1,1) vibrational states	2019	C. Huerta Alderete, M. P. Morales Rodríguez, B. M. Rodríguez-Lara	Scientific Reports	10.1038/s41598-019-39481-y	Científica/Internacional	Londres, Inglaterra
39	Fiber laser with simultaneous multi-wavelength Er/Yb passively Q-switched and single-wavelength Tm gain-switched operations	2019	J. Alaniz-Baylon, M. Duran-Sanchez, R. I. Alvarez-Tamayo, B. Posada-Ramirez, M. Bello-Jimenez, B. Ibarra-Escamilla, A. A. Castillo-Guzman, and E. A. Kuzin	Photonics Research	10.1364/PRJ.7.000608	Científica/Internacional	E. U.
40	Laser wavelength estimation method based on a high-birefringence fiber loop mirror	2019	R. I. Álvarez-Tamayo, P. Prieto-Cortes, M. Duran-Sanchez, B. Ibarra-Escamilla, A. Barcelata-Pinzon, and E. A. Kuzin.	Photonic Sensors	10.1007/513320-018-025-6	Científica/Internacional	Londres, Inglaterra
41	Long cavity ring fiber mode-locked laser with decreased net value of nonlinear polarization rotation	2019	L. A. Rodríguez-Morales, I. Armas-Rivera, B. Ibarra-Escamilla, O. Pottiez, H. Santiago-Hernandez, M. Duran-Sanchez, M. V. Andrés, and E. A. Kuzin	Optics Express	10.1364/OE.27.014030	Científica/Internacional	E. U.
42	Magnetron sputtered Al-doped ZnO thin film as saturable absorber for passively Q-switched Er/Yb double clad fiber laser	2019	P. Prieto-Cortes, R. I. Álvarez-Tamayo, M. García-Méndez, M. Duran-Sanchez, A. Barcelata-Pinzon, and B. Ibarra-Escamilla	Laser Physics Letters	10.1088/1612-202xaaff4a	Científica/Internacional	Inglaterra
43	Nanostructura modification of PEDOT: PSS for high charge carrier collection in hybrid frontal interface of solar cells	2019	A. J. Olivares, I. Cosme, M. E. Sanchez-Vergara, S. Mansurova, J. C. Carrillo, H. E. Martinez, A. Itzmoyotl	Polymers	10.3390/polym11061034	Científica/Internacional	Suiza
44	Polarization mapping of a dual-wavelength passively mode-locked fiber ring laser	2019	J. C. Hernandez-Garcia, M. Bello-Jimenez, B. Ibarra-Escamilla, and E. A. Kuzin	Journal of Optics	10.1088/2040-8986/ab0bf7	Científica/Internacional	Inglaterra
45	Q-switching and mode locking pulse generation from an all-fiber ring laser by inte4rmodal acousto-optics bandpass modulation	2019	E. Hernández-Escobar, M. Bello-Jiménez, R. López-Estopier, A. Camarillo-Avilés, O. Pottiez, M. García-Ramírez, M. Duran-Sánchez, B. Ibarra-Escamilla, and M. V. Andrés	Laser Physics	10.1088/1555-6611/aaed32	Científica/Internacional	Inglaterra
46	Quasiprobability distribution functions from fractional Fourier transforms	2019	J. Anaya-Contreras, A. Zúñiga-Segundo and H. M. Moya-Cessa	Symmetry	10.3390/sym11030344	Científica/Internacional	Suiza

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47	Radiation pressure in finite Fabry-Pérot cavities	2019	P. Grünwald and B. M. Rodríguez-Lara	OSA Continuum	10.1364/OSAC.2.000175	Científica/Internacional	Washington
48	Ringling revivals produced by non classical fields generated by conditional measurements	2019	Anaya-Contreras, J. A., Zúñiga-Segundo, A., Soto-Eguibar, F., Arrizón, V., Vidiella-Barranco, A., & Moya-Cessa, H. M.	Optik	10.1016/j.ijleo.2019.03.139	Científica/Internacional	Alemania
49	Robust optomechanical state transfer under composite phase driving	2019	C. Ventura-Velázquez, Benjamín Jaramillo Ávila, Elica Kyoseva y B. M. Rodríguez-Lara	Scientific Reports	10.1038/s41598-019-40492-y arXiv: 1806.04266 [quant-ph]	Científica/Internacional	London
50	Shaping airy beams by using tunable polarization holograms	2019	T. Cerda, U. Ruiz, P. Pagliusi, and G. Cipparrone	Journal of the Optical Society of America B	10.1364/JOSAB.36.00D103	Científica/Internacional	Washington
51	Single and dual-wavelength noise-like pulses with different shapes in a double-clad Er/Yb fiber laser	2019	E. Bravo-Huerta, M. Duran-Sanchez, R. I. Alvarez-Tamayo, H. Santiago-Hernandez, M. Bello-Jiménez, B. Posada-Ramirez, B. Ibarra-Escamilla, O. Pottiez, and E. A. Kuzin.	Optics Express	10.1364/OE.27.012349	Científica/Internacional	Washington
52	Squeeze operators in classical scenarios	2019	Jorge A. Anaya-Contreras, Arturo Zúñiga-Segundo, Francisco Soto-Eguibar, Victor Arrizon and Hector M. Moya-Cessa	Applied Mathematics and Information Sciences	10.18576/amis/130205	Científica/Internacional	New York, USA
53	Squeezed displaced entangled states in the quantum Rabi model	2019	F. H. Maldonado-Villamizar, C. Huerta Alderete, B. M. Rodríguez-Lara	Physical Review A	10.1103/PhysRevA.100.013811	Científica/Internacional	E. U.
54	Suspended LRSPP for the development of highly integrated active plasmonic devices	2019	M. A. Fuentes-Fuentes, D. A. May-Arriola, J. R. Guzman-Sepulveda, F. Arteaga-Sierra, M. Torres-Cisneros, P. L. LiKamWa, and J. J. Sánchez-Mondragón	Optics Express	10.1364/OE.27.008858	Científica/Internacional	Washington
55	Switchable and dual-wavelength self-Q-switched fiber laser based on a homemade Er/Yb double clad fiber and polarization maintaining fiber Bragg grating	2019	B. Ibarra-Escamilla, M. Duran-Sánchez, R. I. Álvarez-Tamayo, B. Posada-Ramirez, E. A. Kuzin, S. Das, A. Dhar, M. Pal, M. C. Paul, and A. V. Kir'yanov	Laser Physics	10.1088/1555-6611/aaf2d6	Científica/Internacional	Inglaterra
56	Symmetric supermodes in cyclic multicore fibers	2019	Benjamín Jaramillo Ávila, Javier Naya Hernández, Sara María Toxqui Rodríguez, and Blas Manuel Rodríguez-Lara	OSA Continuum	10.1364/OSAC.2.000515	Científica/Internacional	Washington

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N°	Título	Año	Autores	Revista/Libro/Editorial	DOI/ISBN	Tipo de Publicación	Lugar de Publicación
57	The von neumann entropy for mixed states	2019	J. Anaya-Contreras, H. M. Moya-Cessa and A. Zúñiga-Segundo	Entropy	10.3390/e21010049	Científica/Internacional	Suiza
58	Thermoactivated cavitation induced in water by low power, continuous wave thulium-doped fiber laser	2019	N. Korneev, P. Rodríguez-Montero, M. Duran-Sanchez, B. Ibarra-Escamilla, and E. A. Kuzin	Revista Mexicana de Física	Sin doi	Científica/Internacional	CDMX
59	Visualization of in vitro deep blood vessels using principal component analysis based laser speckle imaging	2019	Jose Angel Arias-Cruz, Roger Chiu, Hayde Peregrina-Barreto, Ruben Ramos-Garcia, Teresita Spezzia-Mazzocco, and Julio C. Ramirez-San-Juan	Biomedical Optics Express	10.1364/BOE.10.002020	Científica/Internacional	Washington
60	Wavelength switching and tuning of fiber lasers by using a modifiable intra-cavity filter based on a modal Michelson interferometer	2019	G Salceda-Delgado, A Martinez-Rios, J M Sierra-Hernandez, V C Rodríguez-Carreón, R Selvas-Aguilar, R I Álvarez-Tamayo, M Durán-Sánchez, A A Castillo-Guzman and R Rojas-Laguna	Laser Physics	10.1088/1555-6611/ab1001	Científica/Internacional	Inglaterra
61	A Fully Integrated Parallel Stages Converter for Thermal Energy Harvesting	2019	Rafael Flores Quintero and Guillermo Espinosa Flores Verdad	Analog Integrated Circuits & Signal Processing	No tiene DOI	Científica/Internacional	NETHERLANDS
62	An Approach on MCSA-Based Fault Detection Using Independent Component Analysis and Neural Networks	2019	Juan Enrique Garcia-Bracamonte, Juan Manuel Ramirez-Cortes, Jose de Jesus Rangel-Magdaleno, Pilar Gomez-Gil, Hayde Peregrina-Barreto, and Vicente Alarcon-Aquino	IEEE Transactions on Instrumentation and Measurement	DOI: 10.1109/TIM.2019.2900143	Científica/Internacional	USA
63	An Efficient Metric-Guided Gate Sizing Methodology for Guardband Reduction Under Process Variations and Aging Effects	2019	Andres F. Gomez, Victor Champac-Vilela	Journal of Electronic Testing (JETTA)	<a href="https://doi.org/10.1007/s10836-019-05772-5">https://doi.org/10.1007/s10836-019-05772-5</a>	Científica/Internacional	USA
64	Automated Optic Disc region location from fundus images: Using local multi-level thresholding, best channel selection, and an Intensity Profile Model	2019	Laura J. Uribe-Valencia, Jorge F. Martínez-Carballido	Biomedical Signal Processing and Control	<a href="https://doi.org/10.1016/j.bspc.2019.02.006">https://doi.org/10.1016/j.bspc.2019.02.006</a>	Científica/Internacional	ENGLAND
65	Densification Kinetics of CdS Thin Films Annealed at Low Temperature	2019	López-Moreno, A. Vera-Marquina, A. L. Leal-Cruz, C. Zúñiga-Islas, I. E. Zaldivar-Huerta, A. García-Juárez, and J. Aguilar-Martínez	Chalcogenide Letters	No tiene DOI	Científica/Internacional	ROMANIA
66	Displacement mechanical amplifiers designed on poly-silicon	2019	Ramon Cabello-Ruiz, Margarita Tecpoyotl-Torres, Alfonso Torres Jacome, Gerardo Vera-Dimas, Svetlana Koshevaya, Pedro Vargas-Chabl	International Journal of Electrical and Computer Engineering	DOI: 10.11591/ijece.v9i2.pp.894-901	Científica/Internacional	ENGLAND

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N°	Título	Año	Autores	Revista/Libro/Editorial	DOI/ISBN	Tipo de Publicación	Lugar de Publicación
67	Fast and Efficient Sensitivity Aware Multiobjective Optimization of Analog Circuits	2019	A Garbaya, M Kotti, O Bellaaj Kchaou, M Fakhfakh, Omar Guillen-Fernandez	Technologies	DOI: 10.3390/technologies7020040	Científica/Internacional	USA
68	FPGA-based implementation of different families of fractional-order chaotic oscillators applying Grünwald-Letnikov method	2019	Ana Dalia Pano-Azucena, B Ovilla-Martinez, Esteban Tlelo-Cuautle, JM Muñoz-Pacheco, LG de la Fraga	Communications in Nonlinear Science and Numerical Simulation	DOI: 10.1016/j.cnsns.2019.01.014	Científica/Internacional	NETHERLANDS
69	High-Level Modeling and Simulation Tool for Sensor Conditioning Circuit Based on Artificial Neural Networks	2019	A. Martinez-Nieto, N. Medrano-Marqués, Ma.Teresa Sanz-Pascual, B. Calvo-López	Sensors	DOI: 10.3390/s19081814	Científica/Internacional	SWITZERLAND
70	Identifying the Loss Components Contributing to the Series Resistance of Shielded On-Chip Coplanar Waveguide Interconnects	2019	G. Méndez-Jerónimo and R. Torres-Torres	IEEE Transactions on Microwave Theory and Techniques	DOI 10.1109/TMTT.2019.2908849	Científica/Internacional	USA
71	Implementing a chaotic cryptosystem by performing parallel computing on embedded systems with multiprocessors	2019	A Flores-Vergara, E Inzunza-González, EE García-Guerrero, OR López-Bonilla, E Rodríguez-Orozco, JM Hernández-Ontiveros, JR Cárdenas-Valdez	Entropy	DOI: 10.3390/e21030268	Científica/Internacional	USA
72	Implementing a chaotic cryptosystem in a 64-bit embedded system by using multiple-precision arithmetic	2019	A Flores-Vergara, EE García-Guerrero, E Inzunza-Gonzalez, OR Lopez-Bonilla, E Rodriguez-Orozco, JR Cardenas-Valdez, Esteban Tlelo-Cuautle	Nonlinear Dynamics	DOI: 10.1007/s11071-019-04802-3	Científica/Internacional	USA
73	Integrated Bidirectional Inductive-Array Design for Power Transfer in Implantable BioMEMS	2019	Natiely Hernández-Sebastián, Francisco Javier Renero-Carrillo, Daniela Díaz-Alonso and Wilfrido Calleja-Arriaga	Proceedings 2019	doi: 10.3390/proceedings2019015010	Científica/Internacional	USA
74	Luminescence from Si-Implanted SiO <sub>2</sub> -Si <sub>3</sub> N <sub>4</sub> Nano Bi-Layers for Electrophotonic Integrated Si Light Sources	2019	Alfredo A. González-Fernández, Joan Juvert Mariano Aceves-Mijares, and Carlos Domínguez	Sensors 2019	doi:10.3390/s19040865	Científica/Internacional	SWITZERLAND
75	Luminescent Si quantum dots in flexible and semitransparent membranes for photon down converting material	2019	F Morales-Morales, L Palacios, SA Cabañas-Tay, A Coyopol and Alfredo Morales-Sánchez	Optical Materials	https://doi.org/10.1016/j.optmat.2019.02.043	Científica/Internacional	USA
76	Modeling and Detectability of Full Open Gate Defects In FinFET Technology	2019	Freddy Forero, Hector Villacorta, Michel Renovell, Victor Champac-Vilela	Journal of Electromagnetic Waves and Applications	https://doi.org/10.1080/09205071.2019.1626294	Científica/Internacional	NETHERLANDS

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N°	Título	Año	Autores	Revista/Libro/Editorial	DOI/ISBN	Tipo de Publicación	Lugar de Publicación
77	Modeling Ground-Shielded Integrated Inductors Incorporating Frequency-Dependent Effects and Considering Multiple Resonances	2019	José Valdés, R. Torres, Roberto Murphy Arteaga, G. Álvarez	IEEE Transactions on Microwave Theory and Techniques	DOI: 10.1109/TMTT.2019.2895579	Científica/Internacional	USA
78	Modified model predictive torque control for a pmsm-drive with torque ripple minimisation	2019	Omar Sandre-Hernandez, J. Rangel-Magdaleno, Roberto Morales-Caporal	IET Power Electronics	DOI: 10.1049/iet-pel.2018.5525	Científica/Internacional	ENGLAND
79	Novel microwave balanced bandpass filter with high common mode rejection ratio and wide rejection band under common mode operation	2019	José Luis Olvera-Cervantes, Alonso Corona-Chavez, T Kaur, MA Romero-Ramirez	Journal of Electromagnetic Waves and Applications	<a href="https://doi.org/10.1080/09205071">https://doi.org/10.1080/09205071</a>	Científica/Internacional	NETHERLANDS
80	On the synchronization techniques of chaotic oscillators and their FPGA-based implementation for secure image transmission	2019	Omar Guillen-Fernandez, A Melendez-Cano, Esteban Tlelo-Cuautle, J Nuñez-Perez, J Rangel-Magdaleno	PLoS ONE	DOI: 10.1371/journal.pone.0209618, ISSN: 1932-6203	Científica/Internacional	USA
81	Optimization and CMOS Design of Chaotic Oscillators Robust to PVT Variations: INVITED	2019	V. H. Carbajal-Gomez, Esteban Tlelo-Cuautle, J. M. Muñoz-Pacheco, L. G. de la Fraga, C. Sanchez-Lopez, F. V. Fernandez-Fernandez	Integration - The VLSI Journal	DOI: 10.1016/j.vlsi.2018.10.010	Científica/Internacional	NETHERLANDS
82	Polymeric Nanocomposites Membranes with High Permittivity Based on PVA-ZnO Nanoparticles for Potential Applications in Flexible Electronics	2019	Roberto Ambrosio, Amanda Carrillo, Maria L. Mota, Karla de la Torre, Richard Torrealba, Mario Moreno-Moreno, Hector Vazquez, Javier Flores and Israel Vivaldo	Polymers	doi:10.3390/polym10121370	Científica/Internacional	SWITZERLAND
83	Stored electromagnetic energy and radiated power by spherical thermal micro/nano-emitters: Radiation Q-factor	2019	A. H. Ramírez-Andrade y Jorge R. Zurita-Sánchez	Journal of Quantitative Spectroscopy and Radiative Transfer	DOI:10.1016/j.jqsrt.2018.10.035	Científica/Internacional	ENGLAND
84	Study and optimization of the photoluminescence of amorphous silicon carbide thin films	2019	Maricela Meneses, Mario Moreno Moreno, Alfredo Morales-Sánchez, A Torres, P Rosales and I Vivaldo	MRS Advances	DOI: 10.1557/adv.2019.1	Científica/Internacional	USA
85	Synchronization of complex networks of identical and nonidentical chaotic systems via Model-Matching control	2019	D. Lopez-Mancilla, C. Posadas, Esteban Tlelo-Cuautle	PLoS ONE	DOI: 10.1371/journal.pone.0216349	Científica/Internacional	USA
86	A Comparative Analysis of Distributional Term Representations for Author Profiling in Social Media	2019	Miguel Ángel Álvarez-Carmona, Esaú Villatoro-Tello, Manuel Montes-y-Gómez and Luis Villaseñor-Pineda	Journal of Intelligent & Fuzzy Systems	DOI: 10.3233/JIFS-179033	Científica/Internacional	AMSTERDAM, NETHERLANDS

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N°	Título	Año	Autores	Revista/Libro/Editorial	DOI/ISBN	Tipo de Publicación	Lugar de Publicación
87	A competitive and profitable multi-agent autonomous broker for energy markets	2019	Y. Rodríguez González, Miguel Palacios Alonso, Fernando Lezama, Lino Alberto Rodríguez Coayahuitl, Enrique Muñoz de Cote, Eduardo F. Morales, Luis Enrique Sucar, Douglas D. Crockett	Sustainable Cities and Society	<a href="https://doi.org/10.1016/j.scs.2019.101590">https://doi.org/10.1016/j.scs.2019.101590</a>	Científica/Internacional	AMSTERDAM, NETHERLANDS
88	A Corpus for Argument Analysis of Academic Writing: Argumentative Paragraph Detection	2019	Jesús Miguel García-Gorrostieta and Aurelio López López	Journal of Intelligent & Fuzzy Systems	DOI:10.3233/JIFS-179008	Científica/Internacional	AMSTERDAM, NETHERLANDS
89	A New Wavelet-Based Neural Network for Classification of Epileptic-Related States using EEG	2019	E. Juarez-Guerra, V. Alarcon-Aquino, P. Gomez-Gil, J. M. Ramirez-Cortes, E. S. Garcia-Trevino	Journal of Signal Processing Systems	<a href="https://doi.org/10.1007/s11265-019-01456-7">doi.org/10.1007/s11265-019-01456-7</a>	Científica/Internacional	New York, NY, USA
90	A Pattern-Based Approach for Detecting Pneumatic Failures on Temporary Immersion Bioreactors	2019	Octavio Loyola-González, Miguel Angel Medina-Pérez, Dayton Hernández-Tamayo, Raúl Monroy, Jesús Ariel Carrasco-Ochoa, & Milton García-Borroto	Sensors	<a href="https://doi.org/10.3390/s19020414">https://doi.org/10.3390/s19020414</a>	Científica/Internacional	BASEL, SWITZERLAND
91	A review of unsupervised feature selection method	2019	Saúl Solorio-Fernández, J. Ariel Carrasco-Ochoa, & José Fco. Martínez-Trinidad	Artificial Intelligence Review	<a href="https://doi.org/10.1007/s10462-019-09682-y">https://doi.org/10.1007/s10462-019-09682-y</a>	Científica/Internacional	DORDRECHT, NETHERLANDS
92	A Scalable Indirect Position-Based Causal Diffusion Protocol for Vehicular Networks	2019	Grigory Evropeytshev, Saúl E. Pomares Hernández, Jose Roberto Perez Cruz, Lil María Rodríguez-Henríquez, Eduardo López Domínguez	IEEE Access	DOI: 10.1109/ACCESS.2019.2893157	Científica/Internacional	NJ USA
93	A Text Classification Framework for Simple and Effective Early Depression Detection Over Social Media Streams	2019	Sergio Burdisso, Marcelo Errecalde, Manuel Montes-y-Gómez	Expert Systems with Applications	<a href="https://doi.org/10.1016/j.eswa.2019.05.023">https://doi.org/10.1016/j.eswa.2019.05.023</a>	Científica/Internacional	OXFORD, ENGLAND
94	An improved algorithm for partial clustering	2019	G. Melendez-Melendez, D. Cruz-Paz, J.A. Carrasco-Ochoa & José Fco. Martínez-Trinidad	Expert Systems with Applications	<a href="https://doi.org/10.1016/j.eswa.2018.12.027">https://doi.org/10.1016/j.eswa.2018.12.027</a>	Científica/Internacional	OXFORD, ENGLAND
95	Automated analysis of newborn cry: relationships between melodic shapes and native language	2019	C. Manfredi, R. Viellevoye, S. Orlandi,, A. Torres-García, G. Pieraccini, C.A. Reyes-García	Biomedical Signal Processing and Control	<a href="https://doi.org/10.1016/j.bspc.2019.101561">https://doi.org/10.1016/j.bspc.2019.101561</a>	Científica/Internacional	OXFORD, ENGLAND
96	Bag of k-Nearest Visual Words for Hieroglyph Retrieval	2019	Laura Alejandra Pinilla Buitrago, Jesús Ariel Carrasco-Ochoa and José Francisco Martínez-Trinidad	Journal of Intelligent & Fuzzy Systems	DOI: 10.3233/JIFS-179044	Científica/Internacional	AMSTERDAM, NETHERLANDS



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N°	Título	Año	Autores	Revista/Libro/Editorial	DOI/ISBN	Tipo de Publicación	Lugar de Publicación
97	Barley yield and fertilization analysis from UAV imagery: a deep learning approach	2019	H. J. Escalante, S. Rodríguez-Sánchez, M. Jiménez-Lizárraga, A. Morales-Reyes, J. De La Calleja & R. Vazquez	International Journal of Remote Sensing	<a href="https://doi.org/10.1080/01431161.2019.1577571">https://doi.org/10.1080/01431161.2019.1577571</a>	Científica/Internacional	OXON, ENGLAND
98	Bioinformatics characterisation of the (mutated) proteins related to Andersen-Tawil syndrome	2019	Carlos Polanco, Vladimir N. Uversky, Manlio F. Márquez, Thomas Buhse, Miguel Arias Estrada and Alberto Huberman	Mathematical Biosciences and Engineering	DOI:10.3934/mbe.2019127	Científica/Internacional	SPRINGFIELD, USA
99	Chained ensemble classifier for image annotation	2019	Heidy M. Marin-Castro, Jaciel D. Hernandez-Resendiz, Hugo J. Escalante-Balderas, Luis Pellegrin, Edgar Tello-Leal	Multimedia Tools and Applications	<a href="https://doi.org/10.1007/s11042-019-07815-7">https://doi.org/10.1007/s11042-019-07815-7</a>	Científica/Internacional	DORDRECHT, NETHERLANDS
100	Challenges and implemented technologies used in autonomous drone Racing	2019	Hyungpil Moon, -Jose Martinez-Carranza, -Titus Cieslewski, -Matthias Faessler, -Davide Falanga, -Alessandro Simovic, -Davide Scaramuzza, -Shuo Li, -Michael Ozo, -Christophe De Wagter, -Guido de Croon, -Sunyou Hwang, -Sungwoo Jung, -Hyunchul Shim, -Haeryang Kim, -Minhyuk Park, -Tsz-Chiu Au, -Si Jung Kim	Intelligent Service Robotics	<a href="https://doi.org/10.1007/s11370-018-00271-6">https://doi.org/10.1007/s11370-018-00271-6</a>	Científica/Internacional	HEIDELBERG, GERMANY
101	Cost-sensitive pattern-based classification for class imbalance problems	2019	Octavio Loyola-González, José Fco. Martínez-Trinidad, Jesús Ariel Carrasco-Ochoa, & Milton García-Borroto	IEEE Access	DOI: 10.1109/ACCESS.2019.2913982	Científica/Internacional	NJ USA
102	Depth from motion algorithm and hardware architecture for smart cameras	2019	Abiel Aguilar-González, Miguel Arias-Estrada and François Berry	Sensors	<a href="https://doi.org/10.3390/s19010053">https://doi.org/10.3390/s19010053</a>	Científica/Internacional	BASEL, SWITZERLAND
103	Deterministic Oversampling Methods based on SMOTE	2019	Fredy Rodríguez-Torres, Jesus A. Carrasco-Ochoa and Jose Fco. Martinez-Trinidad	Journal of Intelligent & Fuzzy Systems	DOI: 10.3233/JIFS-179041	Científica/Internacional	AMSTERDAM, NETHERLANDS
104	Enhancing object, action, and effect recognition using probabilistic affordances	2019	Esteban Jaramillo-Cabrera, Eduardo F Morales, Jose Martinez-Carranza	Adaptive Behavior	<a href="https://doi.org/10.1177/1059712319839057">https://doi.org/10.1177/1059712319839057</a>	Científica/Internacional	LONDON, ENGLAND
105	Evolving Autoencoding Structures through Genetic Programming	2019	Lino Rodríguez-Coayahuitl, Alicia Morales-Reyes, Hugo Jair Escalante	Genetic programming and evolvable machines	<a href="https://doi.org/10.1007/s10710-019-09354-4">https://doi.org/10.1007/s10710-019-09354-4</a>	Científica/Internacional	New York, NY, USA
106	Frequent Similar Pattern Mining using Non Boolean Similarity Functions	2019	Ansel Y. Rodríguez-González, José F. Martínez Trinidad, Jesús Ariel Carrasco-Ochoa, José Ruiz Shulcloper and José Matías Alvarado-Mentado	Journal of Intelligent & Fuzzy Systems	DOI: 10.3233/JIFS-179040	Científica/Internacional	AMSTERDAM, NETHERLANDS

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107	Guest editorial: special issue on human abnormal behavioural analysis	2019	Gholamreza Anbarjafari, Sergio Escalera, Kamal Nasrollahi, Hugo Jair Escalante, Xavier Baró, Jun Wan, Thomas B. Moeslund	Machine Vision and Applications	<a href="https://doi.org/10.1007/s00138-019-01031-x">https://doi.org/10.1007/s00138-019-01031-x</a>	Científica/Internacional	New York, NY, USA
108	High Level 3D Structure Extraction from a Single Image Using a CNN-Based Approach	2019	J. A. de Jesús Osuna-Coutiño and Jose Martinez-Carranza	Sensors	<a href="https://doi.org/10.3390/s19030563">https://doi.org/10.3390/s19030563</a>	Científica/Internacional	BASEL, SWITZERLAND
109	Identificación del perfil de autores en redes sociales usando nuevos esquemas de pesado que enfatizan información de tipo personal	2019	Rosa María Ortega, Anilú Franco, Manuel Montes-y-Gómez	Computación y Sistemas	doi: 10.13053/CyS-23-2-3005	Científica/Nacional	México
110	Improved Hieroglyph Representation for Image Retrieval	2019	Laura Alejandra Pinilla Buitrago, Jesús Ariel Carrasco-Ochoa, José Francisco Martínez-Trinidad, and Edgar Román-Rangel	ACM Journal on Computing and Cultural Heritage	doi>10.1145/3284388	Científica/Internacional	New York, NY, USA
111	On the relation between the concepts of Irreducible Testor and Minimal Transversal	2019	Eduardo Alba-Cabrera, Salvador Godoy-Calderon, Manuel S. Lazo-Cortes, J. Fco. Martínez-Trinidad, Jesús A. Carrasco-Ochoa	IEEE Access	DOI: 10.1109/ACCESS.2019.2922231	Científica/Internacional	NJ USA
112	Online violence against women: Automatic identification of misogyny and sexism on Twitter	2019	Simona Frenda, Bilal Ghanem, Manuel Montes-Y-Gómez and Paolo Rosso	Journal of Intelligent & Fuzzy Systems	DOI:10.3233/JIFS-179023	Científica/Internacional	AMSTERDAM, NETHERLANDS
113	Optimizing the Kaplan-Yorke Dimension of Cahotic Oscillators Applying DE and PSO	2019	Alejandro Silva-Juarez, Gustavo Rodríguez-Gomez, Luis Gerardo de la Fraga, Omar Guillen-Fernandez and Esteban Tlelo-Cuautle	Technologies	<a href="https://doi.org/10.3390/technologies7020038">https://doi.org/10.3390/technologies7020038</a>	Científica/Internacional	BASEL, SWITZERLAND
114	Security Analysis of the Mexican Fiscal Digital Certificate System	2019	Luis Rivera-Zamarripa, Lil M. Rodríguez, Nareli Cruz-Cortés, Miguel Ángel León Chávez, Francisco Rodríguez-Henríquez.	Computación y Sistemas	doi: 10.13053/CyS-23-2-2994	Científica/Nacional	México
115	Split and merge watershed: A Two-Step Model for Cell Segmentation in fluorescence microscopy images	2019	Margarita Gamarra, Eduardo Zurek, Hugo Jair Escalante, Leidy Hurtado, Homero San-Juan-Vergara	Biomedical Signal Processing and Control	<a href="https://doi.org/10.1016/j.bspc.2019.101575">https://doi.org/10.1016/j.bspc.2019.101575</a>	Científica/Internacional	OXFORD, ENGLAND
116	Statistical Approximation of Plantar Temperature Distribution on Diabetic Subjects Based on Beta Mixture Model	2019	Daniel Alejandro Hernandez-Contreras ; Hayde Peregrina-Barreto ; Jose De Jesus Rangel-Magdaleno and FelipeOrihuela Espina	IEEE Access	doi: 10.1109/ACCESS.2019.2902502	Científica/Internacional	NJ USA



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N°	Título	Año	Autores	Revista/Libro/Editorial	DOI/ISBN	Tipo de Publicación	Lugar de Publicación
117	Subjects identification using EEG-recorded imagined speech	2019	Luis Alfredo Moctezuma, Alejandro A. Torres-García, Luis Villaseñor-Pineda, Maya Carrillo	Expert Systems with Applications	<a href="https://doi.org/10.1016/j.eswa.2018.10.004">https://doi.org/10.1016/j.eswa.2018.10.004</a>	Científica/Internacional	OXFORD, ENGLAND
118	Temporal Copy-Move Forgery Detection and Localization Using Block Correlation Matrix	2019	Ernesto Aparicio-Díaz, René Cumplido, Maikel L. Pérez Gort, Claudia Feregrino Uribe	Journal of Intelligent & Fuzzy Systems	DOI: 10.3233/JIFS-179048	Científica/Internacional	AMSTERDAM, NETHERLANDS
119	The fastest visual ego-motion algorithm in the west	2019	Abiel Aguilar-González, Miguel Arias-Estrada, François Berry J. A. de Jesús Osuna-Coutiño	Microprocessors and Microsystems	<a href="https://doi.org/10.1016/j.micpro.2019.03.005">https://doi.org/10.1016/j.micpro.2019.03.005</a>	Científica/Internacional	AMSTERDAM, NETHERLANDS
120	Transfer learning in imagined speech EEG-based BCIs	2019	Jesús S. García-alinas, Luis Villaseñor-Pineda, Carlos A. Reyes-García, Alejandro A. Torres-García	Biomedical Signal Processing and Control	<a href="https://doi.org/10.1016/j.bspc.2019.01.006">https://doi.org/10.1016/j.bspc.2019.01.006</a>	Científica/Internacional	OXFORD, ENGLAND
121	Visualization of in vitro deep blood vessels using principal component analysis based laser speckle imaging	2019	J. A. Arias-Cruz, Roger Chiu, Hayde Peregrina-Barreto, Ruben Ramos-García, Teresita Spezzia-Mazzocco, and Julio C. Ramirez-San-Juan	Biomedical Optics Express	<a href="https://doi.org/10.1364/BOE.10.002020">https://doi.org/10.1364/BOE.10.002020</a>	Científica/Internacional	WASHINGTON, DC. USA