



MEMORIA DE PUBLICACIONES 2017 DE LA ESCUELA POLITÉCNICA SUPERIOR



Biblioteca Politécnica
UAM_Biblioteca Universidad Autónoma de Madrid

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1. Presentación

La Biblioteca Politécnica, en su labor de apoyo a la investigación, ha elaborado la Memoria de Publicaciones 2017. Con ella pretende dar a conocer los resultados de la labor investigadora de la Escuela Politécnica Superior en 2017 plasmado en las publicaciones de sus profesores e investigadores, así como los indicadores bibliométricos que manifiestan la calidad de dichas publicaciones a nivel nacional e internacional. Asimismo, se da a conocer la dirección por parte del PDI de trabajos de investigación como tesis y TFMs.

La visibilidad que proporciona la publicación de la Memoria de Publicaciones pretende ayudar a difundir la investigación llevada a cabo por el PDI de la EPS más allá del ámbito de la propia Escuela, para que así llegue a la sociedad y pueda generar más actividad investigadora.

Para la elaboración de esta Memoria hemos partido de la información contenida en el Portal Científico de la UAM, que recoge la producción científica de la Universidad. El Portal Científico es un Sistema de Información Científica en el que el personal docente e investigador de la UAM tiene un perfil público y un perfil privado. El perfil público presenta información sobre la formación académica, trayectoria profesional, investigación, docencia, transferencia e impacto social y producción científica de cada investigador. El perfil privado permite a cada uno actualizar, corregir o completar los datos que aparecen o decidir qué tipo de información quiere mostrar u ocultar de la parte pública, dando opción a generar su curriculum profesional en múltiples formatos oficiales, como el Curriculum Vitae Normalizado (CVN) y el Currículum Vitae Abreviado (CVA) desarrollados por la FECYT.

El Portal Científico se alimenta de diferentes bases de datos:

- Hominis: para formación, trayectoria profesional, cargos, etc.
- Universitas XXI: para proyectos de investigación
- Sigma: para docencia, dirección de trabajos fin de grado y fin de máster
- WOS, SCOPUS, MEDLINE y Dialnet: para publicaciones y congresos

Después de descargar el informe del Portal Científico, con los datos de las publicaciones y congresos de los profesores e investigadores de la EPS, pasamos a verificar, completar y corregir esos datos. Para ello, tuvimos que ir a las fuentes originales, es decir: las bases de datos WOS y SCOPUS fundamentalmente. Para que el borrador de la Memoria fuese lo más completo posible, hubo una labor de comprobación de las publicaciones en las páginas web del PDI.

Los indicios de calidad no estaban descargados en el momento del informe, por lo que se buscaron en el JCR y el SJR.

Una vez que ese trabajo estaba acabado, se pasó el borrador a los profesores para que revisaran sus publicaciones, abriendo un período de recepción de modificaciones. Con todas esas apreciaciones de los autores, se cumplimentó el documento y se elaboraron las gráficas que ilustraban los datos, concretamente por tipología documental, índices de calidad de las publicaciones y comparativa con las publicaciones del año 2016.

Agradecemos la colaboración del PDI de la EPS, que hizo posible que el documento de la Memoria de Publicaciones reflejara lo más fidedignamente posible su actividad científica y, por lo tanto, la de la EPS, así como al Subdirector de Investigación que contribuyó a que su publicación fuese posible tal como la presentamos.

2. Artículos de revista científica

1. **Aguirre, C.**, Franzese, G., Esposito, F., Vazquez, L., Caro-Carretero, R., Vilela-Mendes, R., Ramírez-Nicolás, M., Cozzolino, F., Popa, C. (2017). Signal-adapted tomography as a tool for dust devil detection. *Aeolian Research*, 29, 12-22.
doi: 10.1016/j.aeolia.2017.09.005. **IFW 2.346, Q3 IFS 1.117**
2. Akram, F., **García M. A.**, Puig, D. (2017). Active contours driven by local and global fitted image models for image segmentation robust to intensity inhomogeneity. *PLOS ONE*, 12(4), Art. e0174813. doi: 10.1371/journal.pone.0174813
IFW 2.766, Q1 IFS 1.164
3. Akram, F., **García M. A.**, Puig, D. (2017). Active contours driven by difference of Gaussians. *Scientific Reports*, 7(1), Art. 14984. doi: 10.1038/s41598-017-14502-w
IFW 4.122, Q1 IFS 1.533
4. Akram F, **García M. A.**, Singh V, Saffari N, Sarker M, Puig D (2017). Image segmentation using active contours driven by bias fitted image robust to intensity inhomogeneity. *Frontiers in Artificial Intelligence and Applications*, 300, 146-155. doi: 10.3233/978-1-61499-806-8-146. **IFS 0.196**
5. Amaducci, R., Muñiz, C., Reyes-Sánchez, M., **Rodriguez, F. B.**, **Varona, P.** (2017). On the need for standardized real-time software technology in closed-loop neuroscience. *BMC Neuroscience*, 18(Suppl 1), 104.
IFW 2.173, Q3 IFS 1.120
6. **Arroyo, D.**, Hernandez, F., Orúe, A. (2017). Cryptanalysis of a Classical Chaos-Based Cryptosystem with Some Quantum Cryptography Features. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, 27(1). doi: 10.1142/S0218127417500043 **IFW 1.501, Q2 IFS 0.568**
7. Barrero, D. F., R-Moreno, M., y **Camacho, D.** (2017). Improving experimental methods on success rates in evolutionary computation. *Journal of Experimental And Theoretical Artificial Intelligence*, 29(4), 695–716. doi: 10.1080/0952813X.2016.1214186
IFW 1.011, Q3
8. **Bello-Orgaz, G.**, Hernandez-Castro, J., y **Camacho, D.** (2017). Detecting discussion communities on vaccination in twitter. *Future Generation Computer Systems*, 66, 125–136. doi: 10.1016/j.future.2016.06.032 **IFW 4.639, Q1 IFS 0.844**
9. **Bellogín, A.**, y Sánchez, P. (2017). Collaborative filtering based on subsequence matching: a new approach. *Information Sciences*, 418–419, 432–446.
doi: 10.1016/j.ins.2017.08.016 **IFW 4.305, Q1 IFS 1.635**
10. **Bellogín, A.**, **Castells, P.**, y **Cantador, I.** (2017). Statistical biases in Information Retrieval metrics for recommender systems. *Information Retrieval Journal*, 20(6), 606–634.
doi: 10.1007/s10791-017-9312-z

IFW 1.488, Q3 IFS 0.352

11. Behutiye, W. N., **Rodríguez, P.**, Oivo, M., Tosun, A. (2017). Analyzing the concept of technical debt in the context of agile software development: A systematic literature review. *Information & Software Technology*, 82, 139-158.
doi: 10.1016/j.infsof.2016.10.004 **IFW 2.627,Q1 IFS 0.581**
12. Bui, K., Jung, J., y **Camacho, D.** (2017). Game theoretic approach on Real-time decision making for IoT-based traffic light control. *Concurrency Computation Practice And Experience*, 29(11). doi: 10.1002/cpe.4077 **IFW 1.114, Q3 IFS 0.282**
13. Bui, K., **Camacho, D.**,y Jung, J. (2017). Real-time traffic flow management based on inter-object communication: a case study at intersection. *Mobile Networks And Applications*, 22(4), 613-624. doi: 10.1007/s11036-016-0800-y
IFW 2.497, Q1/Q2 IFS 0.634
14. **Camacho, D.**, Novais, P. (2017). Innovations and practical applications of intelligent systems in ambient intelligence and humanized computing. *Journal Of Ambient Intelligence And Humanized Computing*, 8(2), 155-156. doi: 10.1007/s12652-017-0454-z
IFW 1.423, Q3 IFS 0.352
15. Carrillo, M., Del Ser, J., Nekane Bilbao, M., Perfecto, C., **Camacho, D.** (2017). Wind power production forecasting using ant colony optimization and extreme learning machines. *Studies in Computational Intelligence*, 737, 175-184. doi: 10.1007/978-3-319-66379-1_16
IFS 0.184
16. Carvajal, M., Escobedo, P., Jiménez-Melguizo, M., **Martínez-García, M.**, Martínez-Martí, F., Martínez-Olmos, A., Palma, A. (2017). A compact dosimetric system for MOSFETs based on passive NFC tag and smartphone. *Sensors And Actuators, A: Physical*, 267, 82-89. doi: 10.1016/j.sna.2017.10.015 **IFW 2.311, Q2 IFS 0.699**
17. Changoluisa, V., **Varona, P., Rodríguez, F. B.**, (2017). Maximum relative area as a feature for adaptability in ERP-based BCI Systems. *BMC Neuroscience*, 18 (Suppl 1), 226
IFW 2.173,Q3 IFS 1.120
18. Chavarriaga, E., **Jurado, F., Díez, F.** (2017). An approach to build XML-based domain specific languages solutions for client-side web applications. *Computer Languages, Systems And Structures*, 49, 133-151. doi: 10.1016/j.cl.2017.04.002
IFW 1.840, Q2 IFS 0.469
19. Chavarriaga, E., **Jurado, F., Díez, F.** (2017). PsiLight: a lightweight programming language to explore multiple program execution and data-binding in a web-client DSL evaluation engine. *Journal Of Universal Computer Science*, 23(10), 953-968
IFW 1.066, Q3 IFS 0.357
20. Clarke, P., **de Lara, J.**, Van den Brand, M. (2017). Tool demonstration track of MODELS'2016. *Science of Computer Programming*, 149, 1-2. doi: 10.1016/j.scico.2017.08.016 **IFW 0.740, Q4 IFS 0.300**

21. **Córcoles J**, Zastrow E, Kuster N (2017). On the estimation of the worst-case implant-induced RF-heating in multi-channel MRI. *Physics in Medicine and Biology*, 62(12), 4711-4727. doi: 10.1088/1361-6560/aa641b **IFW 2.665, Q2 IFS 1.263**
22. Cristiano, J., Puig, D., **Garcia, M.A.** (2017). Generation and control of locomotion patterns for biped robots by using central pattern generators. *Journal of Physical Agents*, 8(1), 40-47. doi: 10.14198/JoPha.2017.8.1.06
23. Cuadra, A., **Aracil, J.** (2017). Context-aware security framework based on Traffic Anomaly Detection Indicator. *Telecommunication Systems*, 65(2), 319-330 . doi: 10.1007/s11235-016-0233-8 **IFW 1.527, Q3 IFS 0.239**
24. Cuadra, A., **Aracil, J.** (2017). A novel blind traffic analysis technique for detection of WhatsApp VoIP calls. *International Journal of Network Management* , 27(2), Art. e1968. doi: 10.1002/nem.1968 **IFW 1.340, Q3 IFS 0.242**
25. Cuadrado, J., **Guerra, E., de Lara, J.** (2017). Static analysis of model transformations. *IEEE Transactions On Software Engineering*, 43(9), 868-897. doi: 10.1109/TSE.2016.2635137 **IFW 3.331, Q1 IFS 0.548**
26. Cuenca-Alba, J., Del Cano, L., Gómez Blanco, J., De La Rosa Trevín, J., Conesa Mingo, P., **Marabini, R.**, Carlos, C., Carazo, J. (2017). ScipionCloud: An integrative and interactive gateway for large scale cryo electron microscopy image processing on commercial and academic clouds. *Journal Of Structural Biology*, 200(1), 20-27. doi: 10.1016/j.jsb.2017.06.004 **IFW 3.433, Q2**
27. **De Lara, J., Guerra, E.** (2017). A posteriori typing for model-driven engineering: concepts, analysis, and applications. *ACM Transactions On Software Engineering And Methodology*, 25(4), 467-1120. doi: 10.1145/3063384 **IFW 1.946, Q1 IFS 0.494**
28. Di Ruscio, D., **de Lara, J.**, Pierantonio, A. (2017). Special issue on Flexible Model Driven Engineering. *Computer Languages, Systems And Structures*, 49, 174-175. doi: 10.1016/j.cl.2016.12.003 **IFW 1.840, Q2 IFS 0.469**
29. Díaz-Vico, D., Torres-Barrán, A., Omari, A., **Dorronsoro, José R.** (2017). Deep neural networks for wind and solar energy prediction. *Neural Processing Letters*, 46(3), 829-844. doi: 10.1007/s11063-017-9613-7 **IFW 1.787, Q2 IFS 0.510**
30. Echeverria, L., **Cobos, R.**, Machuca, L., Claros, I. (2017). Using collaborative learning scenarios to teach programming to non-CS majors. *Computer Applications In Engineering Education*, 25(5), 719-731. doi: 10.1002/cae.21832 **IFW 1.153, Q3/Q4 IFS 0.367**
31. **Elices, I., Varona, P.** (2017). Asymmetry factors shaping regular and irregular bursting rhythms in central pattern generators. *Frontiers In Computational Neuroscience*, 11, Art. 9. doi: 10.3389/fncom.2017.00009 **IFW 2.073, Q2/Q3 IFS 1.080**

32. **Elices, I., Arroyo, D.,** Levi, R., **Rodríguez, F.B., Varona, P.** (2017). Role of asymmetry in shaping spiking-bursting activity of Central Pattern Generators. *BMC Neuroscience*, 18 (Suppl 1), 82 **IFW 2.173,Q3 IFS 1.120**

33. **Escudero-Viñolo, M., Bescós, J.** (2017). Severe-occluded 3D object identification via region-based descriptions. *Signal Processing: Image Communication*, 58, 240-257. doi: 10.1016/j.image.2017.07.007 **IFW 2.073, Q2 IFS 0.551**

34. Ferrer, M., Diaz, M., Carmona-Duarte, C., **Morales, A.** (2017). A behavioral handwriting model for static and dynamic signature synthesis. *IEEE Transactions On Pattern Analysis And Machine Intelligence*, 39(6), 1041-1053. doi: 10.1109/TPAMI.2016.2582167 **IFW 9.455, Q1 IFS 2.367**

35. Gallina, B., **Gómez-Martínez, E.,** Benac-Earle, C. (2017). Promoting MBA in the rail sector by deriving process-related evidence via MDSafeCer. *Computer Standards And Interfaces*, 54, 119-128. doi: 10.1016/j.csi.2016.11.007 **IFW 1.465, Q2/Q3 IFS 0.378**

36. Gao, H., Jia, H., Bierer, B., Woellenstein, J., Lu, Y., **Palzer, S.** (2017). Scalable gas sensors fabrication to integrate metal oxide nanoparticles with well-defined shape and size. *Sensors And Actuators, B: Chemical*, 249, 639-646. doi: 10.1016/j.snb.2017.04.031 **IFW 5.667, Q1 IFS 1.406**

37. García Forlim, C., Almeida, L. O. B. de, Lareo, A., Pinto, R., **Varona, P., Rodríguez, F.B.** Closed-loop temporally structured light stimulation in weakly electric fish. *BMC Neuroscience*, 18 (Suppl 1), 223 **IFW 2.173,Q3 IFS 1.120**

38. **García-Martín, A.,** Sánchez-Matilla, R., **Martínez, José M.** (2017). Hierarchical detection of persons in groups. *Signal, Image And Video Processing*, 11(7), 1181-1188 doi: 10.1007/s11760-017-1073-z **IFW 1.643, Q3 IFS 0.485**

39. Gayoso Martinez, V., Hernandez Encinas, L., Martín Muñoz, A., Alvarez Marino, M. A., **Arroyo, D.** (2017). A comparative study of three Spanish eGovernment smart cards. *Logic Journal Of The Igpl*, 25(1), 42-53. doi: 10.1093/jigpal/jzw038 **IFW 0.449, Q4 IFS 0.298**

40. **Gómez, J., Torrado, J.C., Montoro, G.** (2017). Using smartphones to assist people with down syndrome in their labour training and integration: a case study. *Wireless Communications and Mobile Computing*, 2017, Art. 5062371. doi: 10.1155/2017/5062371 **IFW 0.869, Q4 IFS 0.203**

41. Gómez-Abajo, P., **Guerra, E., de Lara, J.** (2017). A domain-specific language for model mutation and its application to the automated generation of exercises. *Computer Languages, Systems And Structures*, 49, 152-173. doi: 10.1016/j.cl.2016.11.001 **IFW 1.840, Q2 IFS 0.469**

42. **Gómez-Barrero, M.,** Maiorana, E., **Galbally, J.,** Campisi, P., **Fierrez, J.** (2017). Multi-biometric template protection based on Homomorphic Encryption. *Pattern Recognition*, 67, 149-163. doi: 10.1016/j.patcog.2017.01.024 **IFW 3.962, Q1 IFS 1.065**
43. **Gómez-Barrero, M., Galbally, J., Morales, A., Fierrez, J.** (2017). Privacy-preserving comparison of variable-length data with application to biometric template protection. *IEEE Access*, 5, 8606-8619. doi: 10.1109/ACCESS.2017.2691578 **IFW 3.557, Q1 IFS 0.548**
44. González, M., **Dominguez, D.,** Sánchez, A., **Rodríguez, F.B.** (2017). Increase attractor capacity using an ensembled neural network. *Expert Systems with Applications*, 71, 206-215. doi: 10.1016/j.eswa.2016.11.035 **IFW 3.768, Q1 IFS 1.271**
45. **González-Pardo, A.,** Jung, J.J., **Camacho, D.** (2017). ACO-based clustering for Ego Network analysis. *Future Generation Computer Systems*, 66, 160-170. doi: 10.1016/j.future.2016.06.033 **IFW 4.639, Q1**
46. **González-Pardo, A.,** Del Ser, J., **Camacho, D.** (2017). Comparative study of pheromone control heuristics in ACO algorithms for solving RCPSp problems. *Applied Soft Computing*, 60, 241-255. doi: 10.1016/j.asoc.2017.06.042 **IFW 3.907, Q1**
47. **González-Pardo, A.,** Del Ser, J., **Camacho, D.** (2017). Quantitative analysis and performance study of ant colony optimization models applied to multi-mode resource constraint project scheduling problems. *Advances In Intelligent Systems And Computing*, 514, 145-154. doi: 10.1007/978-981-10-3728-3_15
48. **González-Pardo A.,** Ser, J., **Camacho, D.** (2017). Solving strategy board games using a CSP-based ACO approach. *International Journal of Bio-Inspired Computation*, 10(2), 136-144. doi: 10.1504/IJBIC.2017.085892 **IFW 2.266, Q1/Q2 IFS 0.721**
49. **Guerra, E., de Lara, J.** (2017). Automated analysis of integrity constraints in multi-level models. *Data And Knowledge Engineering*, 107, 1-23. doi: 10.1016/j.datak.2016.11.001 **IFW 1.467, Q3 IFS 0.490**
50. Hernandez-Ortega, J., **Morales, A., Fierrez, J.,** Acien, A. (2017). Detecting age groups using touch interaction based on neuromotor characteristics. *Electronics Letters*, 53(20), 1349-1350. doi: 10.1049/el.2017.0492 **IFW 1.232, Q3 IFS 0.407**
51. Hong, M., Jung, J., **Camacho, D.** (2017). GRSAT: A Novel Method on Group Recommendation by Social Affinity and Trustworthiness. *Cybernetics And Systems*, 48(3), 140-161. doi: 10.1080/01969722.2016.1276770 **IFW 1.197, Q3 IFS 0.330**
52. Jiménez-Pastor, A., **Garmendia, A., de Lara, J.** (2017). Scalable model exploration for model-driven engineering. *Journal Of Systems And Software*, 132, 204-225. doi:10.1016/j.jss.2017.07.011 **IFW 2.278, Q1 IFS 0.472**

53. Julián-Moreno, G., **López de Vergara, J.E., González, I., Pedro, L. de**, Royuela-del-Val, J., Simmross-Wattenberg, F. (2017). Fast parallel α -stable distribution function evaluation and parameter estimation using OpenCL in GPGPUs. *Statistics And Computing*, 27(5), 1365-1382. doi: 10.1007/s11222-016-9691-9 **IFW 1.851, Q1/Q2 IFS 2.545**
54. **Jurado, F.**, Echeverria Meza, R. (2017). An exploratory study in the use of gamer profiles and learning styles to build educational videogames. *International Journal Of Engineering Education*, 33(2), 797-806. **IFW 0.575, Q4 IFS 0.433**
55. Khalid, O.U., **Sanmiguel, J.C.**, Cavallaro, A. (2017). Multi-Tracker Partition Fusion. *IEEE Transactions On Circuits And Systems For Video Technology*, 27(7), 1527-1539. doi: 10.1109/TCSVT.2016.2542699 **IFW 3.558, Q1 IFS 0.977**
56. Konomi, M., **Sacha, G.M.** (2017). Feedforward neural network methodology to characterize thin films by Electrostatic Force Microscopy. *Ultramicroscopy*. 182, 243-248. doi: 10.1016/j.ultramic.2017.07.015 **IFW 2.929, Q1 IFS 1.824**
57. Kumar, P., Masa-Campos, J.L. (2017). A novel dual polarized waveguide fed circular patch antenna for Ku band applications. *Microwave And Optical Technology Letters*, 59(7), 1743-1750. doi: 10.1002/mop.30622 **IFW 0.948, Q4 IFS 0.273**
58. **Lara-Cabrera, R., González-Pardo, A.**, Benouaret, K., Faci, N., Benslimane, D., **Camacho, D.** (2017). Measuring the radicalisation risk in social networks. *IEEE ACCESS*, 5, 10892-10900. doi: 10.1109/ACCESS.2017.2706018 **IFW 3.557, Q1 IFS 0.548**
59. **Lara-Cabrera, R., González-Pardo, A., Camacho, D.** (2017). Statistical analysis of risk assessment factors and metrics to evaluate radicalisation in Twitter. *Future Generation Computer Systems*, 2017. doi: 10.1016/j.future.2017.10.046 **IFW 4.639, Q1 IFS 0.844**
60. Lareo, A., García Forlim, C., Pinto, R. D., **Varona, P., Rodríguez, F. B.** (2017). Information-theoretic analysis of temporal code-driven stimulation applied to electroreception. *BMC Neuroscience*, 18 (Suppl 1), 224
IFW 2.173, Q3 IFS 1.120
61. **Latorre, R.**, Suárez, J. (2017). Measuring social networks when forming information system project teams. *Journal Of Systems And Software*, 134, 304-323. doi: 10.1016/j.jss.2017.09.019 **IFW 2.278, Q1 IFS 0.472**
62. **Llerena, L., Rodríguez, N.**, Castro, J., **Acuña, S.T.** (2017). Adoption of the user profiles technique in the open source software development process. *Advances In Intelligent Systems And Computing*, 537, 201-210. doi: 10.1007/978-3-319-48523-2_19
63. **López-Colino, F., Colás, J., Garrido, J.** (2017). Full Skeleton-based Virtual Human Animation: An Improved Design for SL Avatars. *Iete Technical Review*, 34(1), 11-21
doi: 10.1080/02564602.2016.1141075 **IFW 1.339, Q3 IFS 0.280**

64. López-Fernández, J., **Garmendia, A., Guerra, E., de Lara, J.** (2017). An example is worth a thousand words: Creating graphical modelling environments by example. *Software and Systems Modeling*, 2017, 1-33. doi: 10.1007/s10270-017-0632-7
IFW 1.722,Q2 IFS 0.476

65. **Lozano-Díez, A., Zazo, R., Toledano, Doroteo T., González-Rodríguez, J.** (2017). An analysis of the influence of deep neural network (DNN) topology in bottleneck feature based language recognition. *PLOS ONE*, 12(8), Art. e0182580. doi: 10.1371/journal.pone.0182580 **IFW 2.766, Q1 IFS 1.164**

66. Magües, D., Castro, J., **Acuña, S.T.** (2017). Integrating usability into the agile development process: a preliminary empirical study. *CLEI Electronic Journal*, 20 (3), 1-18. doi: 10.19153/cleiej.20.3.1.

67. **Martín, A., Menéndez, H.D., Camacho, D.** (2017). MOCDroid: multi-objective evolutionary classifier for Android malware detection. *Soft Computing*. 21(24), 7405–7415. doi: 10.1007/s00500-016-2283-y
FW 2.367, Q2 IFS 0.593

68. **Menéndez, H.D., Otero, F.E.B., Camacho, D.** (2017). Extending the SACOC algorithm through the Nystrom method for dense manifold data analysis. *International Journal of Bio-Inspired Computation*, 10(2), 127-135. doi: 10.1504/IJBIC.2017.10004321
IFW 2.266, Q1/Q2 IFS 0.721

69. Menéndez-Ferreira, R., Juan Fuente, A., Gómez, M., **Camacho, D.** (2017). Improving sociocultural outcomes for students in the higher education through participation on virtual mobility: the UbiCamp experience. *International Journal Of Engineering Education*, 33(6), 2050-2060. **IFW 0.575,Q4 IFS 0.433**

70. Meuwly, D., **Ramos, D., Haraksim, R.** (2017). A guideline for the validation of likelihood ratio methods used for forensic evidence evaluation. *Forensic Science International*, 276, 142-153. doi: 10.1016/j.forsciint.2016.03.048
IFW 1.974, Q2 IFS 0.981

71. Molina, J., Pajuelo, J.A., **Martínez, José M.** (2017). Real-time Motion-based Hand Gestures Recognition from Time-of-Flight Video. *Journal of Signal Processing Systems*, 86 (1), 17-25. doi: 10.1007/s11265-015-1090-5 **IFW 1.088,Q3/Q4 IFS 0.216**

72. Montiel, V., Torrente-Rodríguez, R., **González-De-Rivera, G.,** Reviejo, A., Cuadrado, C., Linacero, R., Gallego, F., Campuzano, S., Pingarrón, J. (2017). Amperometric determination of hazelnut traces by means of Express PCR coupled to magnetic beads assembled on disposable DNA sensing scaffolds. *Sensors And Actuators, B: Chemical*, 245, 895-902. doi: 10.1016/j.snb.2017.02.041 **IFW 5.667, Q1 IFS 1.406**

73. **Morales, A., Morocho, D., Fierrez, J., Vera-Rodríguez, R.** (2017). Signature authentication based on human intervention: performance and complementarity with automatic systems. *IET Biometrics*, 6(4), 307-315. doi: 10.1049/iet-bmt.2016.0115
IFW 1.836, Q2 IFS 0.429

74. **Muelas, D., López de Vergara, J.E., Berrendero, J.R., Ramos, J., Aracil, J.** (2017). Facing Network Management Challenges with Functional Data Analysis: Techniques & Opportunities. *Mobile Networks and Applications*, 22(6), 1124-1136
doi: 10.1007/s11036-016-0733-5 **IFW 2.497, Q1/Q2 IFS 0.634**

75. Murbach, M., Neufeld, E., Samaras, T., **Córcoles, J.**, Robb, F.J., Kainz, W., Kuster, N. (2017). Pregnant women models analyzed for RF exposure and temperature increase in 3T RF shimmed birdcages. *Magnetic Resonance In Medicine*, 77(5), 2048-2056.
doi: 10.1002/mrm.26268 **IFW 4.082, Q1**

76. **Muriel-Barrado, A., Masa-Campos, J.L., Sánchez-Olivares, P.** (2017). H-plane corporate waveguide-fed 4-aperture-stacked circular microstrip patch linear array for Ku band applications. *Microwave And Optical Technology Letters*, 59(9), 2216-2223 .
doi: 10.1002/mop.30711 **IFW 0.948, Q4 IFS 0.273**

77. Nautsch, A., Meuwly, D, **Ramos, D.**, Lindh, J., Busch, C. (2017). Making Likelihood Ratios Digestible for Cross-Application Performance Assessment. *IEEE Signal Processing Letters*, 24 (10), 1552-1556. doi: 10.1109/LSP.2017.2748899
IFW 2.813, Q2 IFS 0.732

78. Nguyen, T., **Camacho, D.**, Jung, J. (2017). Identifying and ranking cultural heritage resources on geotagged social media for smart cultural tourism services. *Personal and Ubiquitous Computing*, 21(2), 267-279 **IFW 1.924, Q2 IFS 0.391**

79. Nogareda, A., **Camacho, D.** (2017). A constraint-based approach for classes setting-up problems in secondary schools. *International Journal of Simulation Modelling*, 16(2), 253-262 **IFW 1.942, Q3 IFS 0.711**

80. Nogareda, A., **Camacho, D.** (2017). Optimizing satisfaction in a multi-courses allocation problem combined with a timetabling problem. *Soft Computing*, 21(17), 1-104873-4882
IFW 2.367, Q2 IFS 0.593

81. Oliver, J., Veirano, F., Bouvier, D., **Boemo, E.I.** (2017). A low cost system for self measurements of power consumption in field programmable gate arrays. *Journal Of Low Power Electronics*, 13(1), 1-9. doi: 10.1166/jolpe.2017.1465 **IFS 0.131**

82. **Ortego, D., SanMiguel, J.C., Martínez, José M.** (2017). Stand-alone quality estimation of background subtraction algorithms. *Computer Vision and Image Understanding*, 162, 87-102. doi: 10.1016/j.cviu.2017.08.005 **IFW 2.391, Q2 IFS 0.717**

83. Oton, J., Pereiro, E., Conesa, J., Chichón, F., Luque, D., Rodríguez, J., Pérez-Berná, A., Sorzano, C., Klukowska, J., Herman, G., Vargas, J., **Marabini, R.**, Carrascosa, J., **Carazo, J.** (2017). XTEND: Extending the depth of field in cryo soft X-ray tomography. *Scientific Reports*, 7, Art. 45808. doi: 10.1038/srep45808 **IFW 4.122, Q1 IFS 1.533**

84. Perdices, D., **López de Vergara, J.E.**, Roquero, P., Vega, C., **Aracil, J.** (2017). FlexiTop: a scalable and flexible network monitoring system for Over-The-Top services. *Network Protocols and Algorithms*, 9(3-4), 136-155. doi: 10.5296/npa.v9i3-4.12488
85. Perez, J., Vizcarro, C., Garcia, J., Bermudez, A., **Cobos, R.** (2017). Development of Procedures to Assess Problem-Solving Competence in Computing Engineering. *IEEE Transactions on Education*, 60(1), 22-28. doi: 10.1109/TE.2016.2582736
IFW 1.6, Q2/Q3 IFS 0.486
86. Pertuz, S., **García, M.A.**, Puig, D., Arguello, H. (2017). A closed-form focus profile model for conventional digital cameras. *International Journal of Computer Vision*, 124(3), 273-286. doi: 10.1007/s11263-017-1024-8 **IFW 11.541, Q1 IFS 2.301**
87. **Polo-López, L., Ruiz-Cruz, Jorge A.**, Montejó-Garai, J., Rebollar, J. (2017). Analysis of waveguide devices involving lateral and transverse perfect magnetic wall boundary conditions by the mode-matching method. *Radio Science*, 52(9), 1223-1234. doi: 10.1002/2017RS006327 **IFW 1.418, Q3 IFS 0.546**
88. Rabinovich, M., **Varona, P.** (2017). Consciousness as sequential dynamics, robustness, and mental disorders. *Jama Psychiatry*, 74(8), 771-772. doi: 10.1001/jamapsychiatry.2017.0273 **IFW 16.642, Q1 IFS 8.097**
89. Rabinovich, M., **Varona, P.** (2017). Mathematics of mind. *Izvestiya Vysshikh Uchebnykh Zavedeniy. Prikladnaya Nelineynaya Dinamika*, 25 (3), 5-51. doi: 10.18500/0869-6632-2017-25-3-5-15
90. Ramírez-Atencia, C., R-Moreno, M.D., **Camacho, D.** (2017). Handling swarm of UAVs based on evolutionary multi-objective optimization. *Progress In Artificial Intelligence*, 6(3), 263-274. doi: 10.1007/s13748-017-0123-7
91. Ramírez-Atencia, C., **Bello-Orgaz, G.**, R-Moreno, M., **Camacho, D.** (2017). Solving complex multi-UAV mission planning problems using multi-objective genetic algorithms. *Soft Computing*, 21(17), 4883-4900. doi: 10.1007/s00500-016-2376-7
IFW 2.367, Q2 IFS 0.593
92. **Ramos, D.**, Haraksim, R., Meuwly, D. (2017). Likelihood ratio data to report the validation of a forensic fingerprint evaluation method. *Data in Brief*, 10, 75-92. doi: 10.1016/j.dib.2016.11.008 **IFS 0.341**
93. Reyes-Sánchez, M., **Elices, I., Amaducci, R.**, Muñiz, C., **Rodríguez, F.B., Varona, P.** (2017). Automatic calibration for hybrid circuits of living and artificial neurons. *BMC Neuroscience*, 18(Suppl 1), 281.
IFW 2.173, Q3 IFS 1.120
94. **Rodríguez, P.**, Haghighatkhah, A., Lwakatare, L. E., Teppola, S., Suomalainen, T., Eskeli, J., Karvonen, T., Kuvaja, P., Verner, J. M., Oivo, M. (2017). Continuous deployment of software intensive products and services: A systematic mapping study. *Journal of Systems and Software*, 123, 263-291. doi: 10.1016/j.jss.2015.12.015

95. **Rodríguez-Fernández, V., Menéndez, H.D., Camacho, D.** (2017). Analysing temporal performance profiles of UAV operators using time series clustering. *Expert Systems with Applications*, 70, 103-118. doi: 10.1016/j.eswa.2016.10.044
IFW 3768, Q1 IFS 1.271
96. **Rodríguez-Fernández, V., González-Pardo, A., Camacho, D.** (2017). Modelling behaviour in UAV operations using higher order double Chain Markov Models. *IEEE Computational Intelligence Magazine*, 12(4), 28-37. doi: 10.1109/MCI.2017.2742738
IFW 6.611, Q1 IFS 1.296
97. **Rodríguez-Fernández, V., Menéndez, H.D., Camacho, D.** (2017). A study on performance metrics and clustering methods for analyzing behavior in UAV operations. *Journal of Intelligent and Fuzzy Systems*, 32(2), 1307-1319. doi: 10.3233/JIFS-169129
IFW 1.426, Q3 IFS 0.459
98. **Roldán-Alvarez, D., Martín, E., Haya, P., García-Herranz, M., Rodríguez-González, M.** (2017). DEDOS: An authoring toolkit to create educational multimedia activities for multiple devices. *IEEE Transactions on Learning Technologies*, 467-1120. doi: 10.1109/TLT.2017.2788867 **IFW 1.869, Q2 IFS 0.783**
99. **Sánchez, E., Macías, José A.** (2017). A set of prescribed activities for enhancing requirements engineering in the development of usable e-Government applications. *Requirements Engineering*, 1-23. doi: 10.1007/s00766-017-0282-x **IFW 1.750, Q2 IFS 0.568**
100. **Sanchez-Olivares, P , Sánchez-Dancausa, P., Masa-Campos, J.L.**(2017). Circularly conformal patch array antenna with omnidirectional or electronically switched directive beam. *IET Microwaves Antennas & Propagation*, 11 (15), 2253-2259. doi: 10.1049/iet-map.2017.0195 **IFW 1.739, Q3 IFS 0.565**
101. **Sánchez-Olivares, P., Haro-Baez, R., Sánchez-Dancausa, P., Masa-Campos, J.L., Ruiz-Cruz, Jorge A.** (2017). Compact omnidirectional conformal array antenna in waveguide technology. *IEEE Antennas and Wireless Propagation Letters*, 16, 1102-1105. doi: 10.1109/LAWP.2016.2622919 **IFW 3.448, Q1 IFS 1.047**
102. **Sánchez-Olivares, P., Masa-Campos, J.L.** (2017). Mechanically reconfigurable conformal array antenna fed by radial waveguide divider with tuning screws. *IEEE Transactions on Antennas and Propagation*, 65(9), 4886-4890. doi: 10.1109/TAP.2017.2723918
IFW 4.130, Q1 IFS 1.309
103. **Sandfort, V., Trabold, B., Abdolvand, A., Bolwien, C., Russell, P., Wöllenstein, J., Palzer, S.** (2017). Monitoring the wobbe index of natural gas using fiber-enhanced Raman spectroscopy. *Sensors*, 17(12), art. 2714. doi: 10.3390/s17122714 **IFW 2.475, Q2/Q3 IFS 0.584**

104. **Sanmiguel, J.C.**, Cavallaro, A. (2017). Energy consumption models for smart camera networks. *IEEE Transactions on Circuits and Systems for Video Technology*, 27(12), 2661-2674. doi: 10.1109/TCSVT.2016.2593598 **IFW 3.558, Q1 IFS 0.977**
105. **Sanmiguel, J.C.**, Cavallaro, A. (2017). Networked computer vision: the importance of a holistic simulator. *Computer (New York)*, 50(7), 35-43. doi: 10.1109/MC.2017.213 **IFW 1.940, Q1/Q2 IFS 0.406**
106. Saracho-Pantoja, I.O., Montejo-Garai, J.R., Rebollar, J.M., **Ruiz-Cruz, Jorge A.** (2017). Low-Cost additive manufacturing: a new approach to microwave waveguide engineering education through 3D printing. *International Journal of Engineering Education*, 33(2), 741-750. **IFW 0.575, Q4 IFS 0.433**
107. Sorzano, C., Vargas, J., Oton, J., Abrishami, V., de la Rosa-Trevin, J.M., Gómez-Blanco, J., Vilas, J.L., **Marabini, R.**, Carazo, J.M. (2017). A review of resolution measures and related aspects in 3D Electron Microscopy. *Progress In Biophysics And Molecular Biology*, 124, 1-30. doi: 10.1016/j.pbiomolbio.2016.09.005 **IFW 3.427, Q2 IFS 1.446**
108. Sorzano, C., Vargas, J., Otón, J., De La Rosa-Trevín, J., Vilas, J., Kazemi, M., Melero, R., Del Caño, L., Cuenca, J., Conesa, P., Gómez-Blanco, J., **Marabini, R.**, Carazo, J. (2017). A survey of the use of iterative reconstruction algorithms in electron microscopy. *Biomed Research International*, 2017, Art. 6482567. doi: 10.1155/2017/6482567 **IFW 2.583, Q2/Q3 IFS 0.935**
109. Tejedor, J., **Toledano, Doroteo T.**, López-Otero, P., Docio-Fernández, L., Serrano, L., Hernáez, I., Coucheiro-Limeres, A., Ferreirós, J., Olcoz, J., Llombart, J. (2017). ALBAYZIN 2016 spoken term detection evaluation: an international open competitive evaluation in Spanish. *EURASIP Journal On Audio, Speech, And Music Processing*, 2017(1), art. 22. doi: 10.1186/s13636-017-0119-z **IFW 3.057, Q1 IFS 0.337**
110. **Tolosana, R., Vera-Rodríguez, R., Fierrez, J., Morales, A., Ortega-García, J.** (2017). Benchmarking desktop and mobile handwriting across COTS devices: The e-BioSign biometric database. *PLOS ONE*, 12(5), e0176792. doi: 10.1371/journal.pone.0176792 **IFW 2.766, Q1 IFS 1.164**
111. Tomeo, P., **Fernández-Tobías, I., Cantador, I.**, Di Noia, T. (2017). Addressing the cold start with positive-only feedback through semantic-based recommendations. *International Journal Of Uncertainty, Fuzziness And Knowledge-Based Systems*, 25, 57-78. doi: 10.1142/S0218488517400116 **IFW 1.159, Q3 IFS 0.508**
112. **Torrado Vidal, J.C., Gómez Escribano, J., Montoro, G.** (2017). Emotional self-regulation of individuals with autism spectrum disorders: smartwatches for monitoring and interaction. *Sensors*, 17(6), Art. 1359. doi: 10.3390/s17061359 **IFW 2.475, Q2/Q3 IFS 0.584**
113. Torres-Barrán, A., Alonso, Á., **Dorronsoro, José R.** Regression tree ensembles for wind energy and solar radiation prediction. *Neurocomputing*, 2017.

doi: 10.1016/j.neucom.2017.05.104 **IFS 1.073**

114. Tyan, M., Espinoza-Cuadros, F., Pozo, R.F., **Toledano, Doroteo T.**, López Gonzalo,E., Alcázar, J. D., Hernández Gómez, L.A. (2017).Obstructive Sleep Apnea in Women:Study of Speech and Craniofacial Characteristics. *JMIR mHealth and uHealth*, 5 (11), art. e169. doi: 10.2196/mhealth.8238 **IFW 4.541, Q1**
115. Vaquero-Melchor, D., **Garmendia, A., Guerra, E., de Lara, J.** (2017). Domain-specific modelling using mobile devices. *Communications In Computer And Information Science*, 743, 221-238. doi: 10.1007/978-3-319-62569-0_11 **IFS 0.170**
116. **Varona, P.**, Rabinovich, M. I., (2017). Representing and implementing cognitive sequential interactions. *BMC Neuroscience*, 18(Suppl 1), 212. **IFW 2.173,Q3 IFS 1.120**
117. Vega, C., Roquero, P., Leira, R., **González, I., Aracil, J.** (2017). Loginson: a transform and load system for very large-scale log analysis in large IT infrastructures. *Journal Of Supercomputing*, 73(9), 3879-3900. doi: 10.1007/s11227-017-1990-1 **IFW 1.532, Q2/Q3 IFS 0.407**
118. Vega, C., Roquero Fuentes, P., **Aracil, J.** (2017). Multi-Gbps HTTP traffic analysis in commodity hardware based on local knowledge of TCP streams. *Computer Networks*, 113, 258-268. doi: 10.1016/j.comnet.2017.01.001 **IFW 2.522, Q1/Q2 IFS 0.500**

3. Capítulos de libros

1. **Ramos, D.**, Krish, R.P., **Fierrez, J.**, Meuwly, D. (2017). From Biometric Scores to Forensic Likelihood Ratios. En *Handbook of biometrics for forensic science* (pp 305-327). doi: 10.1007/978-3-319-50673-9_14 **IFS 0.183**
2. Sánchez-Gómez, A., Díaz, J., Hernández-Encinas, L., **Arroyo, D.** (2017). Review of the main security threats and challenges in free-access public cloud storage servers. En *Computer and network security essentials* (pp 263-281). doi: 10.1007/978-3-319-58424-9_15
3. **Vera-Rodríguez, R.**, **Fierrez, J.**, **Ortega-García, J.** (2017). Dynamic signatures as forensic evidence: A new expert tool including population statistics. *Handbook of biometrics for forensic science* (pp. 329-349). doi: 10.1007/978-3-319-50673-9_15 **IFS 0.183**

4. Congresos

1. Albadea, S., **García-Dorado, J.L., Muelas, D., López de Vergara, J.E., Aracil, J.** (2017). Valley times in the spanish academic network. Proceedings of the IM 2017 - 2017 IFIP/IEEE International Symposium on Integrated Network and Service Management, 564-567. doi: 10.23919/INM.2017.7987330
2. Ayala C., Martínez-Fernández S., **Rodríguez P.** (2017). 1st QuASD Workshop: Managing Quality in Agile and Rapid Software Development Processes. En *Product-Focused Software Process Improvement. PROFES 2017. Lecture Notes in Computer Science*, 10611. doi: 10.1007/978-3-319-69926-4_40
3. Badica, C., El Fallah Seghrouchni, A., Beynier, A., **Camacho, D.**, Herpson, C., Hindriks, K., y Novais, P. (2017). Preface. In *Studies in Computational Intelligence* (Vol. 678, pp. v–vi). **IFS 0.184**
4. **Bellogín, A., y Sánchez, P.** (2017). Revisiting neighbourhood-based recommenders for temporal scenarios. *CEUR Workshop Proceedings*, 1922, 40–44. **IFS 0.167**
5. Campos, P., Rodríguez-Artigot, N., **Cantador, I.** (2017). Extracting context data from user reviews for recommendation: A linked data approach. *CEUR Workshop Proceedings*, 1892, 14-18
IFS 0.167
6. **Cantador, I., Bellogín, A.,** Cortés-Cediel, M., Gil, O. (2017). Personalized recommendations in e-participation: Offline experiments for the ‘Decide Madrid’ platform. En *Proceeding CitRec '17 Proceedings of the International Workshop on Recommender Systems for Citizens*, art. 5.
doi: 10.1145/3127325.3127330
7. **Cañamares, R., Castells, P.** (2017). A probabilistic reformulation of memory-based collaborative filtering - Implications on popularity biases. En *SIGIR 2017 - Proceedings of the 40th International ACM Sigir Conference On Research And Development In Information Retrieval* (pp 215-224). doi: 10.1145/3077136.3080836
8. Cañizares, P. C., Núñez, A., **de Lara, J.**, (2017). MAGICIAN: Model-based design for optimizing the configuration of data-centers . En *Proceedings of the 29th International Conference on Software Engineering and knowledge Engineering* (pp 602-607)
9. **Carro, Rosa M.**, Sanchez-Horreo, V. (2017). The effect of personality and learning styles on individual and collaborative learning obtaining criteria for adaptation. En *Proceedings of 2017 IEEE Global Engineering Education Conference (EDUCON)*, (pp 1585-1590). doi: 10.1109/EDUCON.2017.7943060 **IFS 0.197**
10. **Carro, Rosa M.** (2017). Emociones, inclusión y aprendizaje. Trabajo presentado en *XIX International Symposium on Computers in Education*, Lisboa, Portugal

11. Castan, D., McLaren, M., Ferrer, L., Lawson, A., **Lozano-Díez, A.** (2017). Improving robustness of speaker recognition to new conditions using unlabeled data. En *Proceedings of The Annual Conference of the International Speech Communication Association, Interspeech*, 2017 (pp 3737-3741). doi: 10.21437/Interspeech.2017-605
12. **Catalina, A., Torres-Barrán, A., Dorronsoro, José R.** (2017). Machine learning prediction of photovoltaic energy from satellite sources. 4th ECML PKDD International Workshop on Data Analytics for Renewable Energy Integration (DARE).ECML PKDD, Riva del Garda, 2016. En *Lecture Notes in Artificial Intelligence*, 10097 (pp 31-42). doi: 10.1007/978-3-319-50947-1_4 **IFS 0.295**
13. **Catalina, A., Dorronsoro, José R.** (2017). NWP ensembles for wind energy uncertainty estimates. En *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 10691 (pp 121-132). doi: 10.1007/978-3-319-71643-5_11 **IFS 0.295**
14. **Catalina, A., Torres-Barrán, A., Dorronsoro, José R.** (2017). Satellite based nowcasting of PV energy over peninsular Spain. En *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 10305 (pp 685-697). doi:10.1007/978-3-319-59153-7_59 **IFS 0.295**
15. Changoluisa, V., **Varona, P., Rodríguez, F.** (2017). How to reduce classification error in ERP-based BCI: Maximum relative areas as a feature for p300 detection. 16th International Conference on Artificial Intelligence and Soft Computing, ICAISC 2017.En *Lecture Notes in Computer Science* ,10306 (pp 486-497). doi: 10.1007/978-3-319-59147-6_42 **IFS 0.295**
16. **Cobos, R., Palla, V.** (2017). EdX-MAS: Model analyzer system. En *ACM International Conference Proceeding Series*, Part F132203, 2017, art. 46. doi: 10.1145/3144826.3145396
17. **Cobos, R., Wilde, A., Zaluska, E.** (2017). Predicting attrition from massive open online courses in FutureLearn and edX. *Ceur Workshop Proceedings*, 1967, 74-93 **IFS 0.167**
18. **Córcoles, J., Zastrow, E., Kuster, N.** (2017). Optimization-based strategy in multiple-channel magnetic resonance systems operating at 128 MHz to reduce radiofrequency heating induced by active implantable medical devices. Trabajo presentado en la 32nd *General Assembly and Scientific Symposium of the International Union of Radio Science, URSI GASS 2017*, 2017, 1-3. doi : 10.23919/URSIGASS.2017.8105232
19. Cornejo-Bueno, L., **Garrido-Merchán, E. C., Hernández-Lobato, D., Salcedo-Sanz, S.** (2017). Bayesian optimization of a hybrid prediction system for optimal wave energy estimation problems. En *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 10305 (pp 648-660) doi: 10.1007/978-3-319-59153-7_56 **IFS 0.295**
20. Cortés-Cediel, M., **Cantador, I., Gil, O.** (2017). Recommender systems for e-governance in smart cities: State of the art and research opportunities. En *ACM International Conference Proceeding Series*, art. a7. doi: 10.1145/3127325.3128331

21. Costales, F., **Carro, Rosa M.** (2017). SilverTouch: Game-based training for children with myoelectric prostheses. *International Conference On Intelligent User Interfaces, Proceedings IUI*, Part F126746(6), 93-96. doi: 10.1145/3030024.3040988
22. Cuadrado, J., **Guerra, E., de Lara, J.**, Clariso, R., Cabot, J. (2017). Translating target to source constraints in model-to-model transformations. En *Proceedings - ACM/IEEE 20th International Conference On Model Driven Engineering Languages And Systems, MODELS 2017* (12-22) . doi: 10.1109/MODELS.2017.12
23. **De Lara, J.**, Plump, D. (2017). Preface. 10th International Conference on Graph Transformation, ICGT 2017. En *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 10373 (pp VII-VIII) **IFS 0.295**
24. **De Lara, J.**, Di Rocco, J., Di Ruscio, D., **Guerra, E.**, Iovino, L., Pierantonio, A., Cuadrado, J. (2017). Reusing model transformations through typing requirements models. Fundamental Approaches To Software Engineering, FASE 2017, En *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 10202 (pp 264-282). doi: 10.1007/978-3-662-54494-5_15 **IFS 0.295**
25. **De Lara, J.**, Ruscio, D., Pierantonio, A. (2017). 3rd workshop on flexible model driven engineering (FlexMDE 2017). *CEUR Workshop Proceedings*, 2019, 385-386 **IFS 0.167**
26. Delgado Kloos, C., **Rodríguez, P.**, Velazquez-Iturbide, A., Gil, M. C., Fernandez-Manjon, B., Tovar, E. (2017). Digital education in the classroom. En *Proceedings of 2017 IEEE Global Engineering Education Conference (EDUCON2017)* (pp 31-32). doi: 10.1109/EDUCON.2017.7942818 **IFS 0.197**
27. Díaz, J., **Arroyo, D., Rodríguez, F.B.** (2017). Fair and accountable anonymity for the tor network. En *ICETE 2017 - Proceedings of the 14th International Joint Conference on e-Business and Telecommunications*, 4, pp. 560-565. doi: 10.5220/0006474805600565
28. Díaz-Vico, D., Omari, A., Torres-Barrán, A., **Dorronsoro, José R.** (2017). Deep fisher discriminant analysis. 16th International Conference on Artificial Intelligence and Soft Computing, ICAISC 2017. En *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 10306 (pp 501-512). doi: 10.1007/978-3-319-59147-6_43 **IFS 0.295**
29. Ferreira, J.M., **Acuña, S. T.**(2017). Evaluación empírica de los mecanismos de usabilidad: efectos sobre la eficiencia y la eficacia del usuario. CISCI 2017 – Décimo Sexta Conferencia Iberoamericana en Sistemas, Cibernética e Informática, Decimo Cuarto Simposium Iberoamericano en Educacion, Cibernética e Informática, SIECI 2017 – Memorias (pp 132-137)

30. Ferreira, J.M., **Acuña, S.T.** (2017). A software application for collecting usability empirical data about user efficiency, effectiveness and satisfaction. En *XII Jornadas Iberoamericanas De Ingenieria De Software E Ingenieria Del Conocimiento 2017, IIISIC 2017 - Held Jointly With The Ecuadorian Conference On Software Engineering, CEIS 2017 and the Conference on Software Engineering Applied to Control and Automation Systems, ISASCA 2017* (pp 1-11)
31. Freitas, V., Perkusich, M., Mendes, E., **Rodríguez, P.**, Oivo, M. (2017). Value-Based Decision-Making Using a Web-Based Tool: A Multiple Case Study. En *24th Asia-Pacific Software Engineering Conference (APSEC)* (pp. 279-288).
doi: 10.1109/APSEC.2017.34
32. Fuertes, W., Quimbiulco, K., Galarraga, F., **García-Dorado, J.L** (2017). On the development of advanced parental control tools. En *Proceedings - 2015 1st International Conference On Software Security And Assurance, ICSSA 2015*, Art. 7812938 (pp 1-6). doi: 10.1109/ICSSA.2015.011
33. **García-Marin, E., Masa-Campos, J.L., Sanchez-Olivares, P.**(2017).Diffusion-bonded Circularly Polarized Corporate-Fed Cavity Array for W-band. *Actas del Simposium Nacional URSI 2017.*
34. **García-Marin, E., Masa-Campos, J.L., Sánchez-Olivares, P.** (2017). Implementation of 4 × 4 stacked patch array with corporate feeding network for Ku-band applications. En *11Th European Conference On Antennas And Propagation, EUCAP 2017* (pp 1967-1971).
doi: 10.23919/EuCAP.2017.7928530
35. **García-Marin, E., Masa-Campos, J.L., Sanchez-Olivares, P.** (2017). Reconfigurable Conformal Antenna in Radial Waveguide Technology. *Actas del Simposium Nacional URSI 2017.*
36. **García-Marin, E., Córcoles, J., Rubio, J., Masa-Campos, J.L., Sánchez-Olivares, P., Gómez-Alcalá, R.** (2017). Slotted waveguide antenna design by segmented simulation and multi-objective genetic algorithm. En *2017 IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization for Rf, Microwave, and Terahertz Applications, NEMO 2017* (pp 224-226)
doi: 10.1109/NEMO.2017.7964241
37. **García-Martín, A., SanMiguel, J.C.** (2017). Adaptive people detection based on cross-correlation maximization. *Proceedings 24th IEEE International Conference on Image Processing, ICIP 2017.*
38. Garcia-Saura, C., **Serrano, E., Rodriguez, F.B., Varona P.** (2017). Effects of Locomotive Drift in Scale-Invariant Robotic Search Strategies. En *Lecture Notes in Computer Science*, 10384 (pp 161-169). **IFS 0.295**
39. **Gifre, L., Ruiz, M., Velasco, L.,**(2017). Experimental assessment of Big Data-backed video distribution in the telecom cloud. En *19th International Conference On Transparent*

40. **Gifre, L., Vela, A., Ruiz, M., López de Vergara, J.E., Velasco, L.** (2017). Experimental Assessment of Node and Control Architectures to Support the Observe-Analyze-Act Loop. *Optical Fiber Communication Conference, OFC 2017*. En *Optics InfoBase Conference Papers, Part F40-OFC 2017* (pp 19-23). doi:10.1364/OFC.2017.Th1J.3
41. Gilpérez-López, I., Torregrosa, J., Barhamgi, M., **Camacho, D.** (2017). An initial study on radicalization risk factors: Towards an assessment software tool. En *28TH International Workshop On Database And Expert Systems Applications, DEXA, 2017* (pp 11-16). doi: 10.1109/DEXA.2017.19
42. Gómez, A., Mendiáldua, X., Bergmann, G., Cabot, J., Debreceni, C., **Garmendia, A., Kolovos, D., de Lara, J., Trujillo, S.** (2017). On the opportunities of scalable modeling technologies: an experience report on wind turbines control applications development. *Modelling Foundations and Applications, ECMFA 2017*. En *Lecture Notes in Computer Science*, 10376 (pp 300-315). doi: 10.1007/978-3-319-61482-3_18 **IFS 0.295**
43. **Gómez, J., Torrado Vidal, J.C., Montoro, G.** (2017). Conexión Escuela – Universidad: Cuando las respuestas toman forma real. Trabajo presentado en CONECTANDO 2017 “Intervención con TIC en alumnado con NEAE”
44. **Gómez, J., Torrado Vidal, J.C., Montoro, G.** (2017). Nuevas tecnologías para TEA: de la Universidad a la Sociedad. Trabajo presentado en *1er Congreso Internacional AUTICMO*, Barcelona.
45. González, M., **Dominguez, D., Sánchez, A., Rodríguez, F.B.** (2017). Capacity and retrieval of a modular set of diluted attractor networks with respect to the global number of neurons. 14th International Work-Conference on Artificial Neural Networks. En *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 10305, (pp. 497-506). doi: 10.1007/978-3-319-59153-7_43 **IFS 0.295**
46. **González-Pardo, A., Lara-Cabrera, R., Camacho, D.** (2017). Estudio de factores para la evaluación del riesgo de radicalización en redes sociales. Trabajo presentado en *V Congreso Nacional de i+d en Defensa y Seguridad (DESEi+d)*, Toledo, España
47. **González-Pardo, A., Lara-Cabrera, R., Camacho, D.** (2017). Representation of information in Social Network to Perform Community Finding Tasks. Trabajo presentado en *1st International Caparica Conference in Translational Forensics*, Caparica, Portugal
48. **González-Sosa, E., Dantcheva, A., Vera-Rodríguez, R., Dugelay, J., Bremond, F., Fierrez, J.** (2017). Image-based gender estimation from body and face across distances. En *Proceedings - 2016 International Conference On Pattern Recognition (ICPR)* (pp 3061-3066). doi: 10.1109/ICPR.2016.7900104

49. González Calero, P., **Camacho, D.**, Gómez Martín, M. (2017). Preface. *CEUR Workshop Proceedings*, 1957, 20DUMMY. **IFS 0.167**
50. **Guerra, E.**, Van den Brand, M. (2017). Theory and practice of model transformation: 10th international conference, ICMT 2017 held as part of STAF 2017 Marburg, Germany, July 17–18, 2017 proceedings. En *Lecture Notes in Computer Science*, 10374 (pp III-IV). doi: 10.1007/978-3-319-61473-1 **IFS 0.295**
51. Guzmán, L., Oriol, M., **Rodríguez, P.**, Franch, X., Jedlitschka, A., Oivo, M. (2017). How Can Quality Awareness Support Rapid Software Development? - A Research Preview. En *Requirements Engineering: Foundation for Software Quality. REFSQ, Lecture Notes in Computer Science*, 10153 (pp.167-173). doi: 10.1007/978-3-319-54045-0_12
52. Jácome-Guerrero, S., **de Lara, J.** (2017). Un enfoque para controlar la extensión de meta-modelos en el ámbito de la Ingeniería dirigida por Modelos. En *CIBSE 2017 - XX Ibero-American Conference On Software Engineering* (pp 29-42).
53. Jácome-Guerrero, S., **de Lara, J.** (2017). Towards a mechanism for controlling meta-model extensibility. En *ICSOF 2017 - Proceedings of the 12th International Conference on Software Technologies* (pp 382-387)
54. Kristan, M.,[...], **García-Martín, A.**,[...], **Martínez, José M.**....[et al.] (2017). The visual object tracking VOT2017 challenge results. *Proceedings 16th IEEE International Conference on Computer Vision Workshops, ICCVW 2017, 1949-1972.*
55. **Lara-Cabrera, R.**, González-Pardo, A., Barhamgi, M., **Camacho, D.** (2017). Extracting radicalisation behavioural patterns from social network data. En *28th International Workshop on Database and Expert Systems Applications, DEXA, 2017* (pp 6-10). doi: 10.1109/DEXA.2017.18
56. **Lara-Cabrera, R.**, **González-Pardo, A.**, **Camacho, D.** (2017). The importance of Online Social Networks on the radicalisation risk assessment. Trabajo presentado en *1st International Caparica Conference in Translational Forensics*, Caparica, Portugal
57. **Lara-Cabrera, R.**, **González-Pardo, A.**, **Camacho, D.** (2017). Linguist markers to early detection of radicalization in Social Networks. Trabajo presentado en *1st International Caparica Conference in Translational Forensics*, Caparica, Portugal
58. **Lara-Cabrera, R.**, Rodríguez-Fernández, V., Paz-Sedano, J., **Camacho, D.** (2017). Procedural generation of balanced levels for a 3D paintball game. *CEUR Workshop Proceedings*, 1957, 43-55 **IFS 0.167**
59. Lareo, Á., Forlim, C., Pintó, R., **Varona, P.**, **Rodríguez, F.** (2017). Analysis of electroreception with temporal code-driven stimulation. 14th International Work-Conference on Artificial Neural Networks, IWANN 2017. En *Lecture Notes in Computer* ,10305 (pp 101-111). doi: 10.1007/978-3-319-59153-7_9 **IFS 0.295**

60. Leira, R., González, I., **Gifre, L., López de Vergara, J.E.** (2017). Network analysis on Lambda architecture. *Proceedings ACM Internet Measurement Conference, IMC'2017*. DOI: 10.13140/RG.2.2.23835.77605
61. León-Urrutia, M., **Cobos, R.**, Dickens, K. (2017). Internal perspectives of MOOCs in universities. *CEUR Workshop Proceedings*, 1841, 71-76 **IFS 0.167**
62. **Llerena, L., Rodríguez, N.**, Castro, J., **Acuña, S.T.** (2017). Adoption of the focus groups technique in the open source software development process. *International Conference on Human-Computer Interaction, HCI 2017*. En *Lecture Notes in Computer Science*, 10271 (pp 325-340). doi: 10.1007/978-3-319-58071-5_25 **IFS 0.295**
63. **Llerena, L., Rodríguez, N., Gómez-Abajo, P.**, Castro, J. (2017). How to apply the user profile usability technique in the user modelling activity for an adaptive food recommendation system for people on special diets. En *WMSCI 2017 – 21st World Multi-Conference On Systemics, Cybernetics And Informatics, Proceedings*, 2 (pp 130-135)
64. **López de Vergara, J.E.**, Olmos, R. (2017). Estudio longitudinal de las calificaciones de evaluación continua en la asignatura de Arquitectura de Redes II del Grado en Ingeniería de Tecnologías y Servicios de Telecomunicación. En *Actas de las V Jornadas de Innovación Educativa en Ingeniería Telemática, JIE'2017* (pp 334-340)
65. **López-Colino, F., Sánchez, A., Martínez-García, M., Murillo, M., de Castro, A., González-De-Rivera, G., Garrido, J.** (2017). Development of an online platform for hardware-based laboratories in Engineering studies. En *2016 Conference on Design of Circuits and Integrated Systems, DCIS 2016 – Proceedings* (pp 173-178). doi: 10.1109/DCIS.2016.7845374
66. Macías, F., **Guerra, E., de Lara, J.** (2017). Towards Rearchitecting Meta-Models into Multi-level Models. En *Conceptual Modeling. ER 2017. Lecture Notes in Computer Science*, 10650 (pp. 59-68). doi: 10.1007/978-3-319-69904-2_5
67. **Magües, D.**, Castro, J., **Acuña, S.T.** (2017). Técnicas de usabilidad relacionadas con el diseño adoptadas en los procesos de desarrollo ágil. En *CIBSE 2017 - XX Ibero-American Conference on Software Engineering* (pp 278-291)
68. **Magües, D.**, Castro, J., **Acuña, S.T.** (2017). Usability in agile development: a systematic mapping study. En *Proceedings of the 2016 42nd Latin American Computing Conference, CLEI 2016*, Art. 7833347. doi: 10.1109/CLEI.2016.7833347
69. **Martín, A.**, Calleja, A., **Menéndez, H.D.**, Tapiador, J., **Camacho, D.** (2017). ADROIT: Android malware detection using meta-information. En *2016 IEEE Symposium Series on Computational Intelligence, SSCI 2016*, Art. 7849904. doi: 10.1109/SSCI.2016.7849904
70. **Martín, A.**, Fuentes-Hurtado, F., Naranjo, V., **Camacho, D.** (2017). Evolving deep neural networks architectures for Android malware classification. En *2017 IEEE Congress on Evolutionary Computation, CEC 2017 – Proceedings* (pp 1659-1666). doi: 10.1109/CEC.2017.7969501

71. **Menéndez, H.D., Martín, A., Camacho, D. (2017).** String-based malware detection for android environments. En *Intelligent Distributed Computing X. IDC 2016* (pp 99-108). doi: 10.1007/978-3-319-48829-5_10
72. Martín-Nieto, R., Merchan, J., **García-Martín, A., Martínez, José M.** (2017). Generation and evaluation of synthetic models for training people detectors. En *Proceedings - International Carnahan Conference on Security Technology (ICCST)*, 2017 (pp 1-6). doi: 10.1109/CCST.2017.8167818
73. Mesas, R., **Bellogín, A.** (2017). Evaluating decision-aware recommender systems. En *RECSYS 2017 - Proceedings of the 11th ACM Conference on Recommender Systems* (pp 74-78). doi: 10.1145/3109859.3109888
74. Miravalls Sierra, E., Muelas, D., **López de Vergara, J.E., Ramos, J., Aracil, J.** (2017). Evaluación de equipamiento de bajo coste para realizar medidas de red en entornos domésticos. En *Actas de las XIII Jornadas en Ingeniería Telemática, Jitel'2017*. doi:10.4995/JITEL2017.2017.6501
75. Montejo-Garai, J., Saracho-Pantoja, I., **Ruiz-Cruz, Jorge A.**, Rebollar J (2017). Broadband and high-purity Ku-band circular TE01-mode converter. En *Asia-Pacific Microwave Conference Proceedings, APMC* (Art. 7931375). doi: 10.1109/APMC.2016.7931375
76. **Montero, A.**, Mosqueiro, T., Huerta, R., **Rodriguez, F.B.** (2017). Exploring a mathematical model of gain control via lateral inhibition in the antennal lobe. 14th International Work-Conference on Artificial Neural Networks, IWANN 2017. En *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 10305, (pp. 317-326). doi: 10.1007/978-3-319-59153-7_28 IFS 0.295
77. **Montoro, G.**, Sandoval, G., Wee, C. (2017). Good practices in the development of a MOOC: Evolution based on the experience acquired by the Universidad Autónoma de Madrid in the creation of online courses. *CEUR Workshop Proceedings*, 1993, 93-102 IFS 0.167
78. **Morán-López, A., Córcoles, J., Ruiz-Cruz, Jorge A.**, Montejo-Garai, J., Rebollar, J. (2017). Direct computation of parabolic waveguide modes via a bivariate root-finding algorithm. En *2017 IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization for RF, Microwave, and Terahertz Applications, NEMO 2017* (pp 152-154). doi: 10.1109/NEMO.2017.7964217
79. **Morán-López, A., Córcoles, J., Ruiz-Cruz, Jorge A.**, Montejo-Garai, J., Rebollar, J. (2017). Dual-mode filters in equilateral triangular waveguides with wide spurious-free response. En *IEEE MTT-S International Microwave Symposium (IMS)* (pp 1192-1195). doi: 10.1109/MWSYM.2017.8058816 IFS 0.363
80. **Morán-López, A., Córcoles J, Ruiz-Cruz, Jorge A.** (2017). Efficient computation and orthonormalization of multiple TEM numerical modes arising from FEM for microwave

- computer-aided-design. En *2017 IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization for RF, Microwave, and Terahertz Applications, NEMO 2017* (pp 197-199). doi: 10.1109/NEMO.2017.7964232
81. **Morán-López, A., Córcoles, J., Ruiz-Cruz, Jorge A.,** Montejo-Garai, J., Rebollar, J. (2017). Generalized Scattering Matrix of the discontinuity between an equilateral triangular waveguide and a rectangular, circular or elliptical waveguide. En *Asia-Pacific Microwave Conference Proceedings, APMC*. doi: 10.1109/APMC.2016.7931283
 82. Morocho, D., **Morales, A., Fierrez, J., Vera-Rodríguez, R.** Human-assisted signature recognition based on comparative attributes. En *2017 14th IAPR International Conference on Document Analysis and Recognition (ICDAR 2017)*, Vol. 8 (pp 5-9). doi: 10.1109/ICDAR.2017.373
 83. Morocho, D., **Morales, A., Fierrez, J., Ortega-García, J.** (2017). Humans in the loop: Study of semi-automatic signature recognition based on attributes. En *Proceedings - International Carnahan Conference on Security Technology (ICCST) 2017*(pp 1-5). doi: 10.1109/CCST.2017.8167815
 84. Morocho, D., Encalada, F., Alulema, D., Ibarra, Á., Flores, J., Alulema, V., **Morales, A., Fierrez, J.** (2017). State of the art: humans performance contributions in signature recognition via crowdsourcing and manual annotation. En *2017 4th International Conference on Edemocracy and Egovernment, ICEDEG 2017* (pp 221-225). doi: 10.1109/ICEDEG.2017.7962538
 85. **Muelas, D., García-Dorado, J.L., López de Vergara, J.E., Aracil, J.** (2017). Application of functional feature extraction to the compression of network time series. En *Proceedings of the IM 2017 - 2017 IFIP/IEEE International Symposium on Integrated Network and Service Management* (pp 592-595). doi: 10.23919/INM.2017.7987337
 86. **Muelas, D., López de Vergara, J.E., Ramos, J.** (2017). Definición de Testbeds Virtualizados Utilizando Perfiles de Actividad de Red. En *Actas de las XIII Jornadas en Ingeniería Telemática, Jitel'2017*. doi:10.4995/JITEL2017.2017.6502
 87. **Muelas, D., López de Vergara, J.E., Ramos, J., García-Dorado, J.L., Aracil, J.** (2017). On the impact of TCP segmentation: Experience in VoIP monitoring. En *Proceedings of the IM 2017 - 2017 IFIP/IEEE International Symposium on Integrated Network and Service Management* (pp 708-713). doi: 10.23919/INM.2017.7987363
 88. Nguyen H, Hong M, Cho N, Kim J, Camacho D, Jung J (2017). Socioscope: An integrated framework for understanding society from social data. *CEUR Workshop Proceedings*, 2000, 69-76
 89. **Ortego, D., SanMiguel, J.C., Martínez, José M.** (2017). Rejection based multipath reconstruction for background estimation in SBMnet 2016 dataset. En *Proceedings 2016 23rd International Conference on Pattern Recognition (ICPR)* (pp 114-119). doi: 10.1109/ICPR.2016.7899618

90. Perdices, D., **López de Vergara, J.E.**, Roquero, P., Vega, C., **Aracil, J.** (2017). Diluting the Scalability Boundaries: Exploring the Use of Disaggregated Architectures for High-Level Network Data Analysis. Trabajo presentado en *19th IEEE Intl Conference on High Performance Computing and Communications, 15th IEEE Intl Conference on Smart City, and 3rd IEEE Intl Conference on Data Science and Systems, HPCC/SmartCity/DSS 2017*, Bangkok, Thailand.
91. Perdices, D., **López de Vergara, J.E.**, Roquero, P., Vega, C., **Aracil, J.** (2017). FlexiTop: sistema de medidas de calidad de servicio escalable y flexible para servicios Over-The-Top. En *Actas de las XIII Jornadas en Ingeniería Telemática, Jitel'2017*
92. Pérez-Lemonche, Á., **Martínez-Muñoz, G.**, Pulido, E. (2017) Analysing Event Transitions to Discover Student Roles and Predict Grades in MOOCs. En *Lecture Notes in Computer Science*, 10614 (pp 224-232). doi: 10.1007/978-3-319-68612-7_26
IFS 0.295
93. **Pérez-Soler, S.**, Guerra, E., de Lara, J. (2017). Assisted modelling over social networks with SOCIO. *CEUR Workshop Proceedings*, 2019, 561-565 **IFS 0.167**
94. **Pérez-Soler, S.**, de Lara, J. (2017). JAVACHECK: A domain specific language for the static analysis of Java code. *CEUR Workshop Proceedings*, 2019, 475-478 **IFS 0.167**
95. **Pérez-Soler, S.**, Guerra, E., de Lara, J., Jurado, F. (2017). The rise of the (modelling) bots: Towards assisted modelling via social networks. En *ASE 2017 - Proceedings of the 32nd IEEE/ACM International Conference on Automated Software Engineering, ASE' 17* (pp 723-728). doi: 10.1109/ASE.2017.8115683
96. **Polo-López, L.**, Masa-Campos, J.L., Ruiz-Cruz, Jorge A. (2017). Design of a reconfigurable rectangular waveguide phase shifter with metallic posts. En *12th European Microwave Integrated Circuits Conference, EUMIC 2017* (pp 349-352).
doi: 10.23919/EuMIC.2017.8230730
97. **Polo-López, L.**, Masa-Campos, J.L., Ruiz-Cruz, Jorge A. (2017). Design of a reconfigurable rectangular waveguide phase shifter with metallic posts. En *European Microwave Week 2017: "A Prime Year for a Prime Event", EuMW 2017 - Conference Proceedings; 47th European Microwave Conference, EuMC 2017* (pp 1089-1092).
doi: 10.23919/EuMC.2017.8231036
98. **Polo-López, L.**, Córcoles, J., Ruiz-Cruz, Jorge A. (2017). Fruit fly optimization algorithm for passive waveguide devices. En *2017 IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization for RF, Microwave, and Terahertz Applications, NEMO 2017* (pp 43-45).
doi: 10.1109/NEMO.2017.7964181
99. Prada, J., **Dorronsoro, José R.** (2017). General noise SVRs and uncertainty intervals. 16th International Conference on Artificial Intelligence and Soft Computing, ICAISC 2017. En *Lecture Notes in Computer Science* 10306 (pp 734-746).
doi: 10.1007/978-3-319-59147-6_62 **IFS 0.295**

100. Ramírez-Atencia, C., Mostaghim, S., **Camacho, D.** (2017). A knee point based evolutionary multi-objective optimization for mission planning problems. En *GECCO 2017 - Proceedings of the 2017 Genetic and Evolutionary Computation Conference* (pp 1216-1223). doi: 10.1145/3071178.3071319
101. Ramírez-Atencia, C., **Bello-Orgaz, G.**, R-Moreno, M., **Camacho, D.** (2017). MOGAMR: A Multi-Objective Genetic Algorithm for real-time Mission Replanning. En *2016 IEEE Symposium Series on Computational Intelligence, SSCI 2016*, Art. 7850235. doi: 10.1109/SSCI.2016.7850235
102. Ramírez-Atencia, C., Rodríguez-Fernández, V., **González-Pardo, A.**, **Camacho, D.** (2017). New artificial intelligence approaches for future UAV Ground Control Stations. *2017 IEEE Congress On Evolutionary Computation, CEC 2017 - Proceedings* (pp 2775-2782). doi: 10.1109/CEC.2017.7969645
103. Ramírez-Atencia, C., **Camacho, D.** (2017). Planificación automática de misiones para drones mediante computación evolutiva. Trabajo presentado en *V Congreso Nacional de i+d en Defensa y Seguridad (DESEi+d)*, Toledo, España
104. **Rodríguez, F. B.**, (2017). An approach of algorithmic clustering based on string compression to identify bird songs species in xeno-canto database. En *3rd International Conference on Frontiers of Signal Processing (ICFSP)* (pp 101-104). doi:10.1109/ICFSP.2017.8097150
105. **Rodríguez-Fernández, V.**, **González-Pardo, A.**, **Camacho, D.** (2017). Finding behavioral patterns of UAV operators using Multichannel Hidden Markov Models. En *2016 IEEE Symposium Series on Computational Intelligence, SSCI 2016*. doi: 10.1109/SSCI.2016.7850101
106. Rodríguez-Fernández, V., **González-Pardo, A.**, **Camacho, D.** (2017). Inteligencia Artificial aplicada al análisis de entrenamiento en operaciones con UAVs. Trabajo presentado en *V Congreso Nacional de i+d en Defensa y Seguridad (DESEi+d)*, Toledo, España
107. Ruipérez-Valiente, J., **Cobos, R.**, Muñoz-Merino, P., Andujar Á., Kloos, C. (2017). Early prediction and variable importance of certificate accomplishment in a MOOC. 5th European MOOCs Stakeholders Summit, EMOOCs 2017. En *Lecture Notes in Computer Science*, 10254 (pp 263-272). doi: 10.1007/978-3-319-59044-8_31 **IFS 0.295**
108. **Ruiz, M.**, **Sutter, G.D.**, **López-Buedo, S.**, **Zazo, J.F.**, **López de Vergara, J.E.** (2017). An FPGA-Based Approach for Packet Deduplication in 100 Gigabit-per-Second Networks. En *Proceedings 2017 International Conference on Reconfigurable Computing and FPGAs(RECONFIG) 2017*. doi: 10.1109/RECONFIG.2017.8279776
109. **Sánchez-Olivares, P.**, **Masa-Campos, J. L.**, **Hernandez-Ortega, J.** (2017). Mechanically reconfigurable waveguide-slot single element using tuning screws. En *2017 11th European Conference on Antennas and Propagation, EUCAP 2017* (pp 1962-1966).

110. **Sanmiguel J.C., Martínez, José M.,** Caro-Campos, L. (2017). Object-size invariant anomaly detection in video-surveillance. En *Proceedings - International Carnahan Conference On Security Technology (ICCST) 2017* (pp 1-6). doi: 10.1109/CCST.2017.8167826
111. Sarasa, G., Granados, A., **Rodríguez, F.B.** (2017). An approach of algorithmic clustering based on string compression to identify bird songs species in xeno-canto database. En *3rd International Conference on Frontiers of Signal Processing, ICFSP 2017*, (pp. 101-104). doi: 10.1109/ICFSP.2017.8097150
112. Tanaka, N., Hikage, T., **Córcoles, J.,** Nojima, T. (2017). FEM simulation of induced interference voltage at implantable cardiac pacemaker due to wireless power transfer in HF-band. En *ISAP 2016 - International Symposium On Antennas And Propagation* (pp 916-917).
113. **Tolosana, R., Vera-Rodríguez, R., Fierrez, J., Ortega-Garcia, J.** (2017). Biometric Signature Verification Using Recurrent Neural Networks. *Proceedings of the 14th IAPR International Conference on Document Analysis and Recognition (ICDAR)*, 653-657.
114. **Tolosana, R., Vera-Rodríguez, R.,** Guest, R.M., **Fierrez, J., Ortega-Garcia, J.**(2017). Complexity-Based Biometric Signature Verification. *Proceedings of the 14th IAPR International Conference on Document Analysis and Recognition (ICDAR)*,195-200
115. Torregrosa, J., Gilpérez-López, I., **Lara-Cabrera, R.,** Garriga, D., **Camacho, D.** (2017). Can an Automatic Tool Assess Risk of Radicalization Online? A Case Study on Facebook. En *Proceedings - 2017 European Intelligence and Security Informatics Conference, EISIC 2017* (pp 165). doi: 10.1109/EISIC.2017.36
116. Vaquero-Melchor, D., Palomares, J., **Guerra, E., de Lara, J.** (2017). Active Domain-Specific Languages: making every mobile user a modeller. En *Proceedings - ACM/IEEE 20th International Conference On Model Driven Engineering Languages And Systems, MODELS 2017* (pp 75-82). doi: 10.1109/MODELS.2017.13
117. Vega, C., **Zazo,J.F.,** Meyer, H., Zyulkyarov, F., **López-Buedo, S., Aracil, J.**(2017).Diluting the Scalability Boundaries: Exploring the Use of Disaggregated Architectures for High-Level Network Data Analysis.*Proceedings of the 19th IEEE International Conference on High Performance Computing and Communications (HPCC)*, 340-347
118. Velasco, L., **Gifre, L.,** Castro, A. (2017). Brokered orchestration for end-to-end service provisioning across heterogeneous multi-operator networks. En *2017 International Conference On Transparent Optical Networks-Icton*, Art. 8025183. doi: 10.1109/ICTON.2017.8025183 **IFS 0.159**
119. Velasco, L., **Gifre, L.,** Paolucci, F., Cugini, F. (2017). First experimental demonstration of autonomic slice networking. *2017 Optical Fiber Communications Conference and*

Exhibition, OFC 2017. En *Optics InfoBase Conference Papers*, Part F40-OFC 2017. doi: 10.1364/OFC.2017.Th5A.3

120. **Vera-Rodríguez, R., González-Sosa, E., Hernández-Ortega, J., Fierrez, J.** Body shape-based biometric person recognition from mmW Images. Pattern Recognition And Image Analysis (IBPRIA 2017). En *Lecture Notes in Computer Science*, 10255 (pp 453-461). doi: 10.1007/978-3-319-58838-4_50
121. Villacampa-Calvo, C., **Hernández-Lobato, D.** (2017). Scalable Multi-Class Gaussian Process Classification using Expectation Propagation. *Proceedings of Machine Learning Research*, 70, 3550-3559
122. Yang, J., **Cantador, I.**, Nurbakova, D., Cortés-Cediel, M., Bozzon, A. (2017). Recommender systems for citizens: The CitRec'17 workshop manifesto. En *CitRec '17 Proceedings of the International Workshop on Recommender Systems for Citizens*, art. a1. doi: 10.1145/3127325.3177871
123. **Zazo, J.F., López-Buedo, S., Ruiz, M., Sutter, G.D.** (2017). A Single-FPGA Architecture for Detecting Heavy Hitters in 100 Gbit/s Ethernet links. En *Proceeding 2017 International Conference on Reconfigurable Computing And FPGAs (RECONFIG)*

5. Tesis doctorales

1. Aracil, Javier (director). Doctorando: Cuadra Sánchez, A. (2017). *Contribución al análisis del tráfico de Internet*
2. Bescós, Jesús (director). Doctorando: Tello Mijares, J. de J. S. (2017). *Contribuciones a un sistema semiautomático de captura y análisis de imágenes de neoplasia intraepitelial cervical.*
3. Camacho, David (director). Doctorando: Bello-Orgaz, G. (2017). *Evolutionary Computation for Overlapping Community Detection in Social and Graph-based Information.*
4. Camacho, David (director). Doctorando: Nogareda Vilariño, A. M. (2017). *New Swarm-Based Metaheuristics for Resource Allocation and Scheduling Problems.*
5. Cantador, Iván (director). Doctorando: Fernández-Tobías, Ignacio (2017). *Matrix factorization models for cross-domain recommendation: Addressing the cold start in collaborative filtering.*
6. Cobos, Ruth (directora). Doctorando: Echeverría Rodríguez, L. (2017). *Una propuesta de una plataforma de aprendizaje basada en escenarios colaborativos para la realización de experiencias de aprendizaje mixto con soporte a la investigación.*
7. Díez, Fernando (director), Jurado, Francisco (codirector). Doctorando: Chavarriaga Bautista, J. E. (2017). *Modelo programable para la serialización y evaluación de modelos heterogéneos en clientes web.*
8. Dorronsoro, José R. (director). Doctorando: Torres Barrán, A. (2017). *Acceleration Methods for Classic Convex Optimization Algorithms.*
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6.Trabajos Fin de Máster

1. Aracil, Javier (tutor). Autor: Miravalls Sierra, Eduardo (2017). Análisis de métricas ligeras indicadoras de la calidad en Internet.
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6. Bellogín, Alejandro (tutor); Díez Rubio, Fernando (ponente). Autor: Redondo Quintero, Alejandro (2017). Desarrollo de un sistema de monitorización y diagnóstico en entornos de agricultura de precisión.
7. Bellogín, Alejandro (tutor); Díez Rubio, Fernando (ponente). Autor: Sánchez Pérez, Pablo (2017). Exploiting subsequence matching in Recommender Systems.
8. Berrendero Díaz, José Ramón (tutor), Suárez Gonzalez, Alberto (tutor). Autor: Ramos Carreño, Carlos (2017). Feature selection methods for classification with functional data.
9. Boemo, Eduardo I. (tutor). Autor: Bayón Benegas, Marc (2017). Accesibilidad relacionada con displays 7-segmentos y paneles indicadores mediante Android.
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11. Cantador, Iván (tutor), Campos Soto, Pedro G. (tutor). Autor: Rodríguez Artigot, Nicolás (2017). Recomendación contextualizada usando una ontología de contexto genérica y de gran escala construida semiautomáticamente a partir de DBpedia.
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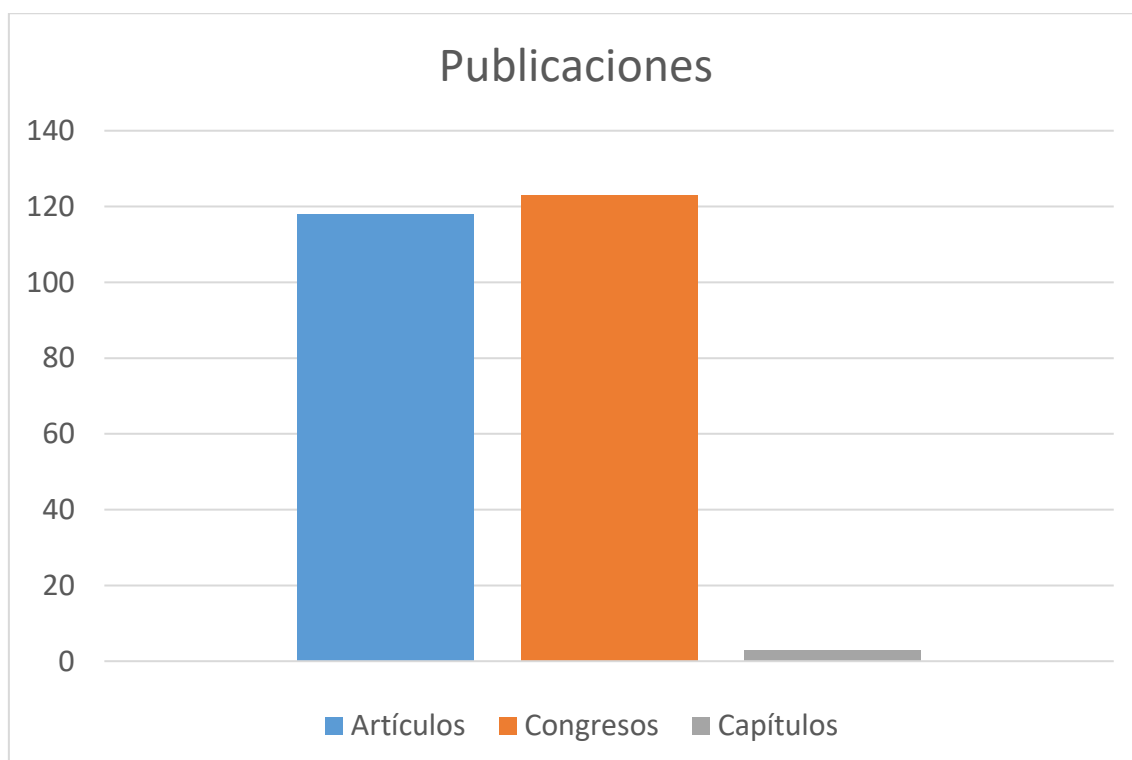
15. Dorronsoro, José R. (tutor). Autor: Catalina Feliu, Alejandro (2017). Nesterov Acceleration Schemes for Group Lasso.
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33. Pedro, Luis de (tutor); López de Vergara, Jorge E. (ponente). Autor: Martínez Redondo, Marta (2017). Desarrollo de una herramienta de tratamiento estadístico de distribuciones α -estables para su aplicación al análisis de tráfico de redes IP.
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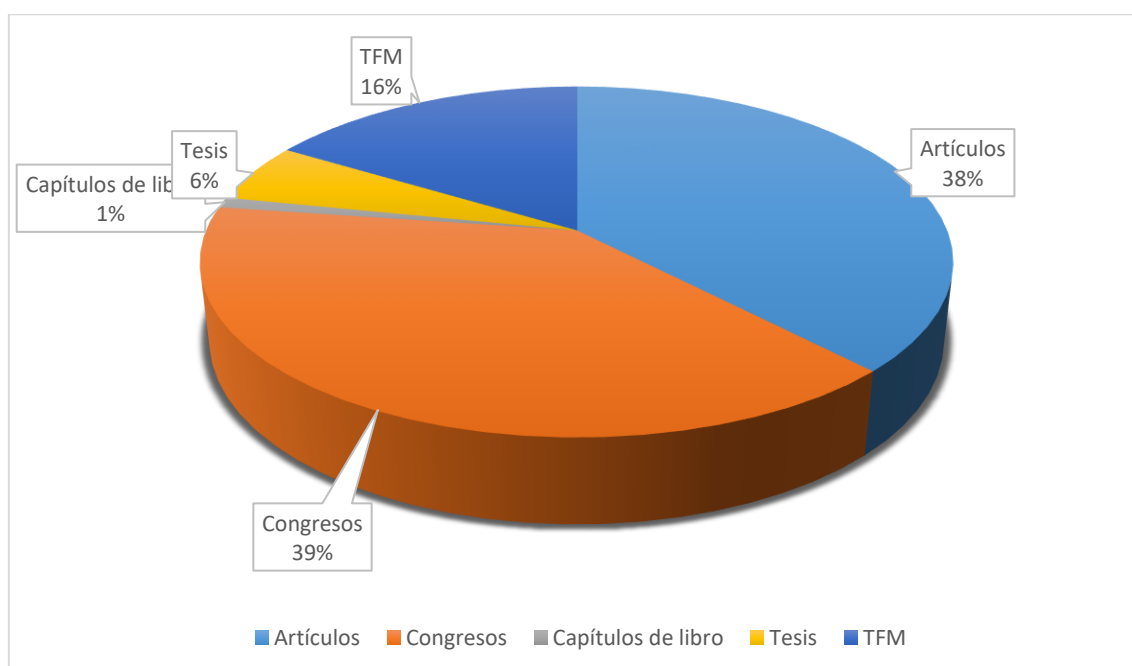
42. Sanmiguel, Juan Carlos (tutor); Martínez, José M. (ponente). Autora: Luna García, Elena (2017). Abandoned object detection in long-term video-surveillance.
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51. Vera-Rodríguez, Rubén (tutor); Fierrez, Julián (ponente). Autor: Marín Belinchón, Patricia (2017). Estimador automático de atributos corporales a distancia.

7. Gráficos

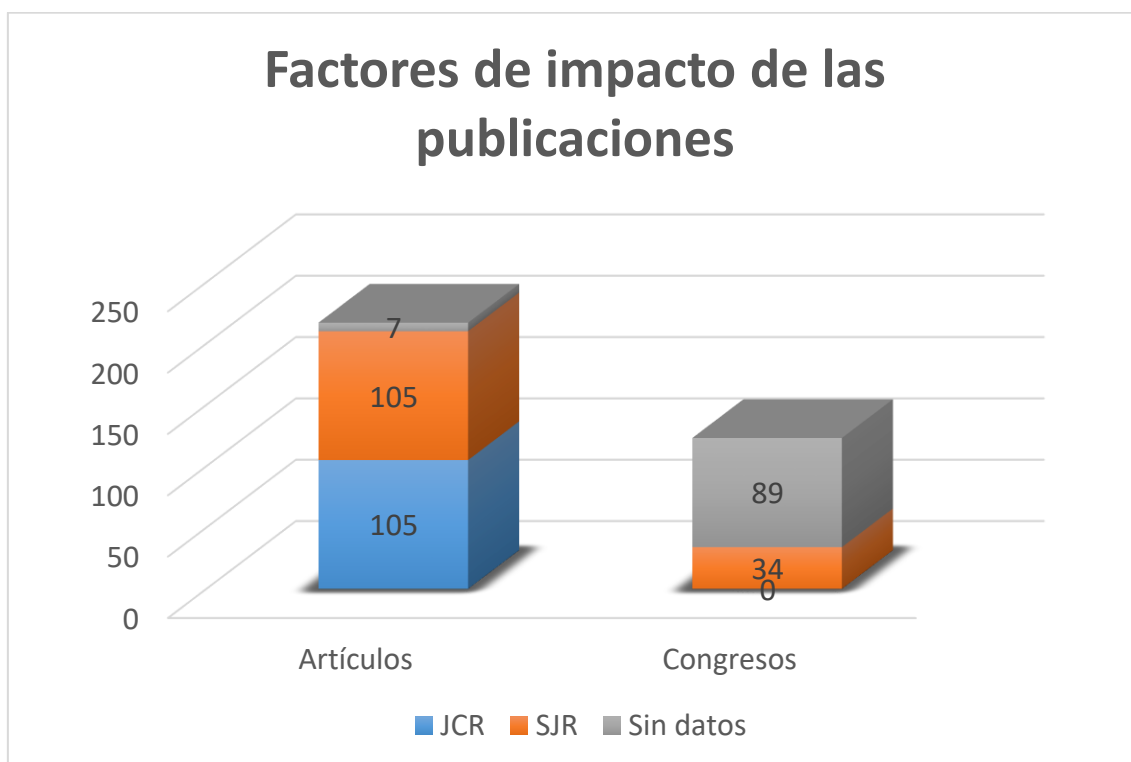
7.1. Publicaciones por tipo de documento



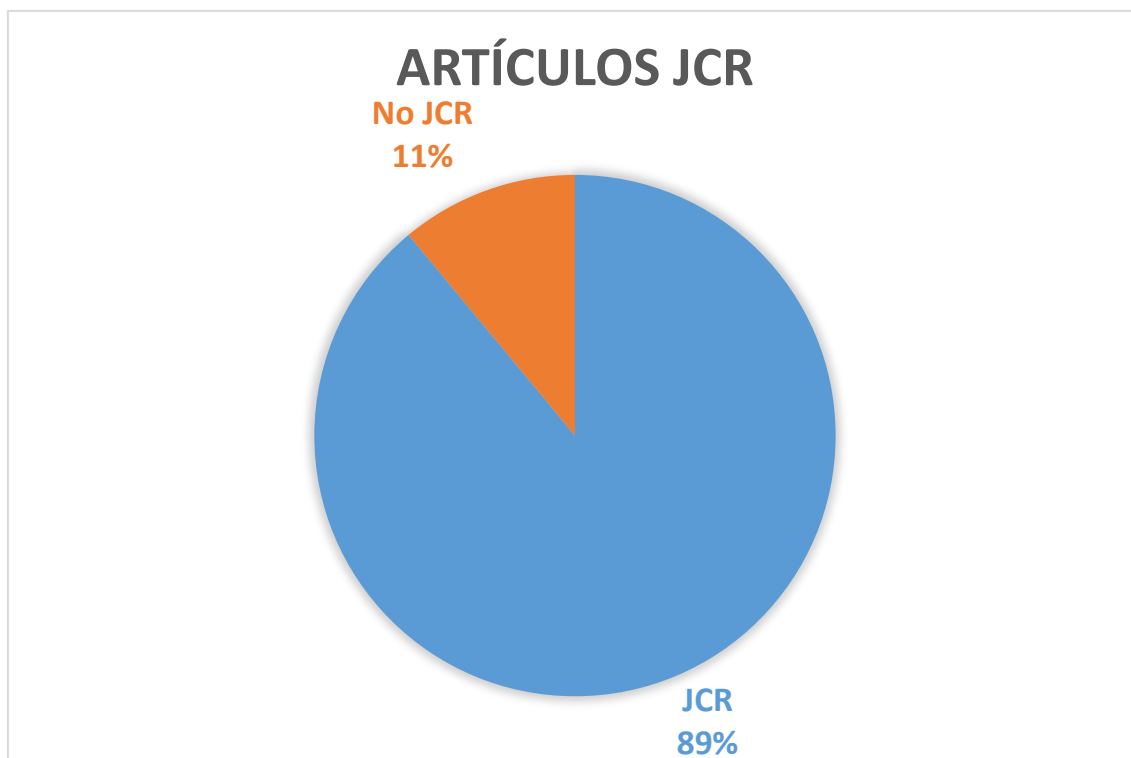
7.2. Reparto de las publicaciones y dirección de trabajos



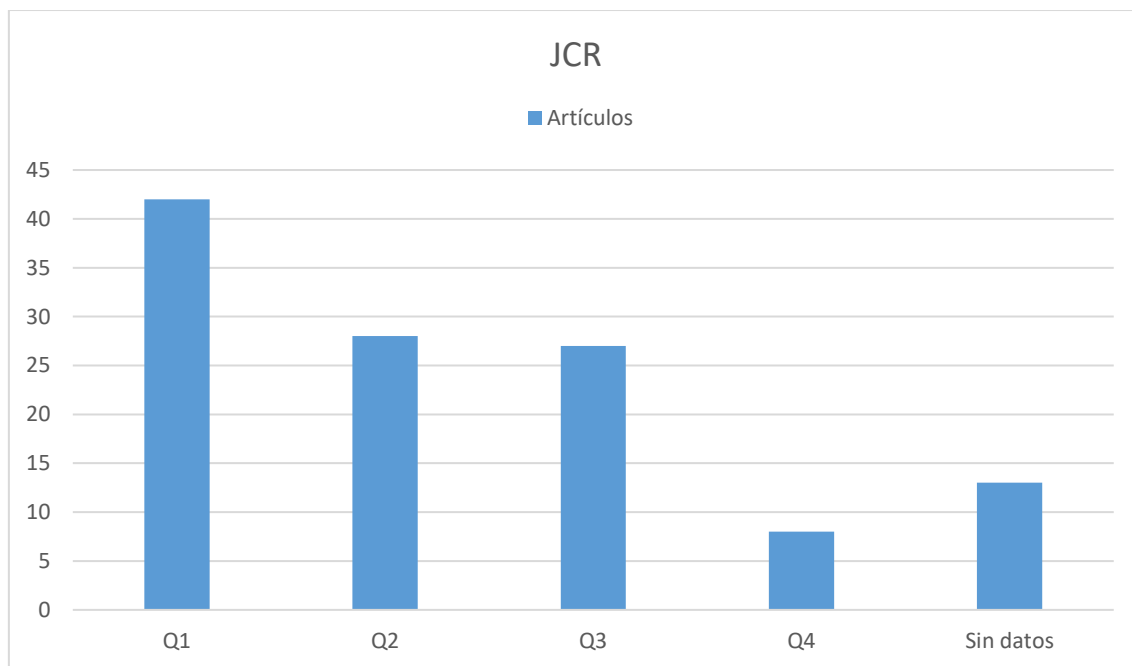
7.3. Publicaciones con índices de impacto



7.4. Porcentaje de artículos de revistas en JCR



7.5. Distribución por cuartiles según JCR de las revistas donde se publica



7.6. Comparación de publicaciones entre 2016 y 2017

