

Artículos publicados en Scopus en el primer cuatrimestre de 2019, de autores que firman con la Afiliación: Escuela Politécnica Superior, Universidad de Sevilla

1) Agüero, F.N., Beltrán, A.M., Fernández, M.A., Cadús, L.E.

[Surface nickel particles generated by exsolution from a perovskite structure](#)

(2019) *Journal of Solid State Chemistry*, 273, pp. 75-80.

DOI: 10.1016/j.jssc.2019.02.036

2) Aguilar, J.M., Cordobés, F., Bengoechea, C., Guerrero, A.

[Heat-induced gelation of egg yolk as a function of pH. Does the type of acid make any difference?](#)

(2019) *Food Hydrocolloids*, 87, pp. 142-148. DOI: 10.1016/j.foodhyd.2018.07.045

3) Álvarez-Castillo, E., Bengoechea, C., Rodríguez, N., Guerrero, A.

[Development of green superabsorbent materials from a by-product of the meat industry](#)

(2019) *Journal of Cleaner Production*, 223, pp. 651-661.

DOI: 10.1016/j.jclepro.2019.03.055

4) Barroso, P.J., Santos, J.L., Martín, J., Aparicio, I., Alonso, E.

[Emerging contaminants in the atmosphere: Analysis, occurrence and future challenges](#)

(2019) *Critical Reviews in Environmental Science and Technology*, 49 (2), pp. 104-171. DOI: 10.1080/10643389.2018.1540761

5) Carvajal-Piñero, J.M., Ramos, M., Jiménez-Rosado, M., Perez-Puyana, V., Romero, A.

[Development of Pea Protein Bioplastics by a Thermomoulding Process: Effect of the Mixing Stage](#)

(2019) *Journal of Polymers and the Environment*, . DOI: 10.1007/s10924-019-01404-3

- 6) Cermeño, M., Felix, M., Connolly, A., Brennan, E., Coffey, B., Ryan, E., FitzGerald, R.J.

[Role of carbohydrate conjugation on the emulsification and antioxidant properties of intact and hydrolysed whey protein concentrate](#)

(2019) *Food Hydrocolloids*, 88, pp. 170-179. Cited 1 time. DOI: 10.1016/j.foodhyd.2018.09.030

- 7) Chamizo, E., López-Lora, M.

[Accelerator mass spectrometry of \$^{236}\text{U}\$ with He stripping at the Centro Nacional de Aceleradores](#)

(2019) *Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms*, 438, pp. 198-206. Cited 1 time. DOI: 10.1016/j.nimb.2018.04.020

- 8) Chicardi, E., García-Garrido, C., Beltrán, A.M., Sayagués, M.J., Gotor, F.J.

[Synthesis of a cubic Ti\(BCN\) advanced ceramic by a solid-gas mechanochemical reaction](#)

(2019) *Ceramics International*, 45 (3), pp. 3878-3885. DOI: 10.1016/j.ceramint.2018.11.060

- 9) Cuevas-Maraver, J., Kevrekidis, P.G., Malomed, B.A., Guo, L.

[Solitary waves in the Ablowitz–Ladik equation with power-law nonlinearity](#)

(2019) *Journal of Physics A: Mathematical and Theoretical*, 52 (6), art. no. 065202, . DOI: 10.1088/1751-8121/aaf755

- 10) del Mar Orta, M., Martín, J., Medina-Carrasco, S., Santos, J.L., Aparicio, I., Alonso, E.

[Adsorption of propranolol onto montmorillonite: Kinetic, isotherm and pH studies](#)

(2019) *Applied Clay Science*, 173, pp. 107-114. DOI: 10.1016/j.clay.2019.03.015

- 11) Domínguez-Trujillo, C., Beltrán, A.M., Garvi, M.D., Salazar-Moya, A., Lebrato, J., Hickey, D.J., Rodríguez-Ortiz, J.A., Kamm, P.H., Lebrato, C., García-Moreno, F.,

Webster, T.J., Torres, Y.

[Bacterial behavior on coated porous titanium substrates for biomedical applications](#)
(2019) *Surface and Coatings Technology*, 357, pp. 896-902.
DOI: 10.1016/j.surfcoat.2018.10.098

12) Felix, M., Romero, A., Carrera-Sanchez, C., Guerrero, A.

[Assessment of interfacial viscoelastic properties of Faba bean \(*Vicia faba*\) protein-adsorbed O/W layers as a function of pH](#)
(2019) *Food Hydrocolloids*, 90, pp. 353-359. DOI: 10.1016/j.foodhyd.2018.12.036

13) Felix, M., Romero, A., Sanchez, C.C., Guerrero, A.

[Modelling the non-linear interfacial shear rheology behaviour of chickpea protein-adsorbed complex oil/water layers](#)
(2019) *Applied Surface Science*, 469, pp. 792-803. Cited 2 times. DOI: 10.1016/j.apsusc.2018.11.074

14) Fernández-Espada, L., Bengoechea, C., Sandía, J.A., Cordobés, F., Guerrero, A.

[Development of novel soy-protein-based superabsorbent matrixes through the addition of salts](#)
(2019) *Journal of Applied Polymer Science*, 136 (5), art. no. 47012, . Cited 1 time. DOI: 10.1002/app.47012

15) García-Valenzuela, A., Alvarez, R., Rico, V., Espinos, J.P., López-Santos, M.C., Solís, J., Siegel, J., del Campo, A., Palmero, A., González-Elipe, A.R.

[2D compositional self-patterning in magnetron sputtered thin films](#)
(2019) *Applied Surface Science*, 480, pp. 115-121.
DOI: 10.1016/j.apsusc.2019.02.206

16) García-Valenzuela, A., López-Santos, C., Rico, V., Alvarez, R., Palmero, A., González-Elipe, A.R.

[Environmentally Tight TiO₂-SiO₂ Porous 1D-Photonic Structures](#)

(2019) *Advanced Materials Interfaces*, 6 (4), art. no. 1801212, .DOI: 10.1002/admi.201801212

- 17) Garcia-Valenzuela, A., Muñoz-Piña, S., Alcalá, G., Alvarez, R., Lacroix, B., Santos, A.J., Cuevas-Maraver, J., Rico, V., Gago, R., Vazquez, L., Cotrino, J., Gonzalez-Elipse, A.R., Palmero, A.

[Growth of nanocolumnar thin films on patterned substrates at oblique angles](#)

(2019) *Plasma Processes and Polymers*, 16 (2), art. no. 1800135, . Cited 1 time. DOI: 10.1002/ppap.201800135

- 18) Hortigón, B., Gallardo, J.M., Nieto-García, E.J., López, J.A.

[Strain hardening exponent and strain at maximum stress: Steel rebar case](#)

(2019) *Construction and Building Materials*, 196, pp. 175-184. DOI: 10.1016/j.conbuildmat.2018.11.082

- 19) Hurtado-Bermúdez, S., Jurado-González, J.A., Santos, J.L., Díaz-Amigo, C.F., Aparicio, I., Más, J.L., Alonso, E.

[Geographical origin of bivalve molluscs in coastal areas using natural radioactivity fingerprinting and multivariate statistical analyses: Andalusian coast as case of study](#)

(2019) *Journal of Hazardous Materials*, pp. 706-714. DOI: 10.1016/j.jhazmat.2019.01.027

- 20) Kominis, Y., Cuevas-Maraver, J., Kevrekidis, P.G., Frantzeskakis, D.J., Bountis, A.

[Continuous families of solitary waves in non-symmetric complex potentials: A Melnikov theory approach](#)

(2019) *Chaos, Solitons and Fractals*, 118, pp. 222-233. Cited 1 time. DOI: 10.1016/j.chaos.2018.11.021

- 21) Lascano, S., Arévalo, C., Montealegre-Melendez, I., Muñoz, S., Rodriguez-Ortiz, J.A., Trueba, P., Torres, Y.

[Porous titanium for biomedical applications: Evaluation of the conventional powder](#)

[metallurgy frontier and space-holder technique](#)
(2019) *Applied Sciences (Switzerland)*, 9 (5), art.
no. 982, .DOI: 10.3390/app9050982
Access Type: Open Access

22) López-Castejón, M.L., Bengoechea, C., Espinosa, S., Carrera, C.

[Characterization of prebiotic emulsions stabilized by inulin and \$\beta\$ -lactoglobulin](#)
(2019) *Food Hydrocolloids*, 87, pp. 382-393. Cited 1
time.DOI: 10.1016/j.foodhyd.2018.08.024

23) López-Lora, M., Levy, I., Chamizo, E.

[Simple and fast method for the analysis of \$^{236}\text{U}\$, \$^{237}\text{Np}\$, \$^{239}\text{Pu}\$ and \$^{240}\text{Pu}\$ from seawater samples by Accelerator Mass Spectrometry](#)
(2019) *Talanta*, 200, pp. 22-30. DOI: 10.1016/j.talanta.2019.03.036

24) Luque, A., Carrasco, A., Martín, A., de las Heras, A.

[The impact of class imbalance in classification performance metrics based on the binary confusion matrix](#)
(2019) *Pattern Recognition*, 91, pp. 216-231. DOI: 10.1016/j.patcog.2019.02.023
Access Type: Open Access

25) Luque, A., Carrasco, A., Martín, A., Lama, J.R.

[Exploring symmetry of binary classification performance metrics](#)
(2019) *Symmetry*, 11 (1), art. no. 47, . DOI: 10.3390/sym11010047
Access Type: Open Access

26) Martín, J.,Hidalgo, F., García-Corcoles, M.T., Ibáñez-Yuste, A.J., Alonso, E., Vilchez, J.L., Zafra-Gómez, A..

[Bioaccumulation of perfluoroalkyl substances in marine echinoderms: Results of laboratory-scale experiments with *Holothuria tubulosa* Gmelin, 1791](#)
(2019) *Chemosphere*, 215, pp. 261-271. DOI: 10.1016/j.chemosphere.2018.10.037

27) Martín-Gómez, A., Aguayo-González, F., Luque, A.

[A holonic framework for managing the sustainable supply chain in emerging economies with smart connected metabolism](#)

(2019) *Resources, Conservation and Recycling*, pp. 219-232. Cited 1 time. DOI: 10.1016/j.resconrec.2018.10.035

28) Padilla, S., López-Gutiérrez, J.M., Manjón, G., García-Tenorio, R., Galván, J.A., García-León, M.

[Meteoric \$^{10}\text{Be}\$ in aerosol filters in the city of Seville](#)

(2019) *Journal of Environmental Radioactivity*, 196, pp. 15-21.
DOI: 10.1016/j.jenvrad.2018.10.009

29) Palmero, F., English, L.Q., Chen, X.-L., Li, W., Cuevas-Maraver, J., Kevrekidis, P.G.

[Experimental and numerical observation of dark and bright breathers in the band gap of a diatomic electrical lattice](#)

(2019) *Physical Review E*, 99 (3), art. no. 032206, .
DOI: 10.1103/PhysRevE.99.032206

30) Perez-Puyana, V., Felix, M., Romero, A., Guerrero, A.

[Influence of the processing variables on the microstructure and properties of gelatin-based scaffolds by freeze-drying](#)

(2019) *Journal of Applied Polymer Science*, 136 (25), art. no. 47671, .
DOI: 10.1002/app.47671

31) Vivo-Vilches, C., López-Gutiérrez, J.M., García-León, M., Vockenhuber, C.

[Factors related to \$^{41}\text{K}\$ interference on \$^{41}\text{Ca}\$ AMS measurements](#)

(2019) *Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms*, 438, pp. 193-197.
DOI: 10.1016/j.nimb.2018.04.031

32) Wang, Y., Wu, K., Cubero, D.

[An excess electron at polyethylene/vacuum interfaces using a reaction-field technique](#)

(2019) *Physical Chemistry Chemical Physics*, 21 (5), pp. 2533-2539.

DOI: 10.1039/c8cp06897f

33)ⁱ Boccardi, E., Liverani, L., Beltrán, A. M., Günther, R., Schmidt, J., Peukert, W., & Boccaccini, A. R. (2019).

[Mesoporous silica submicron particles \(MCM-41\) incorporating nanoscale ag: Synthesis, characterization and application as drug delivery coatings.](#) *Journal of Porous Materials*, 26(2), 443-453. doi:10.1007/s10934-018-0621-4

ⁱ Artículo añadido en septiembre de 2019 tras la corrección enviada por la profesora Ana M^a Beltrán. El artículo no fue recuperado por Scopus porque no se firmó con la afiliación establecida.



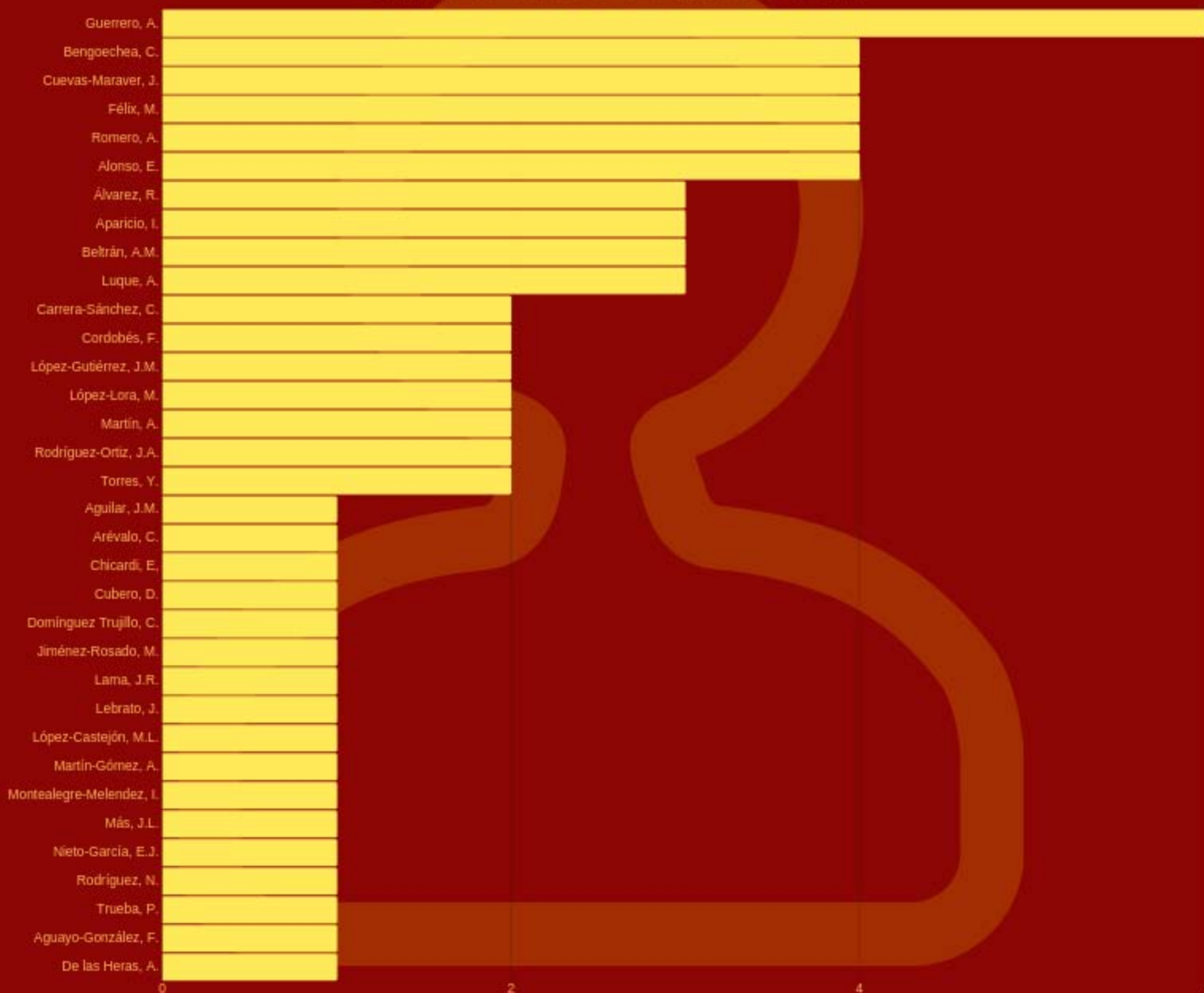
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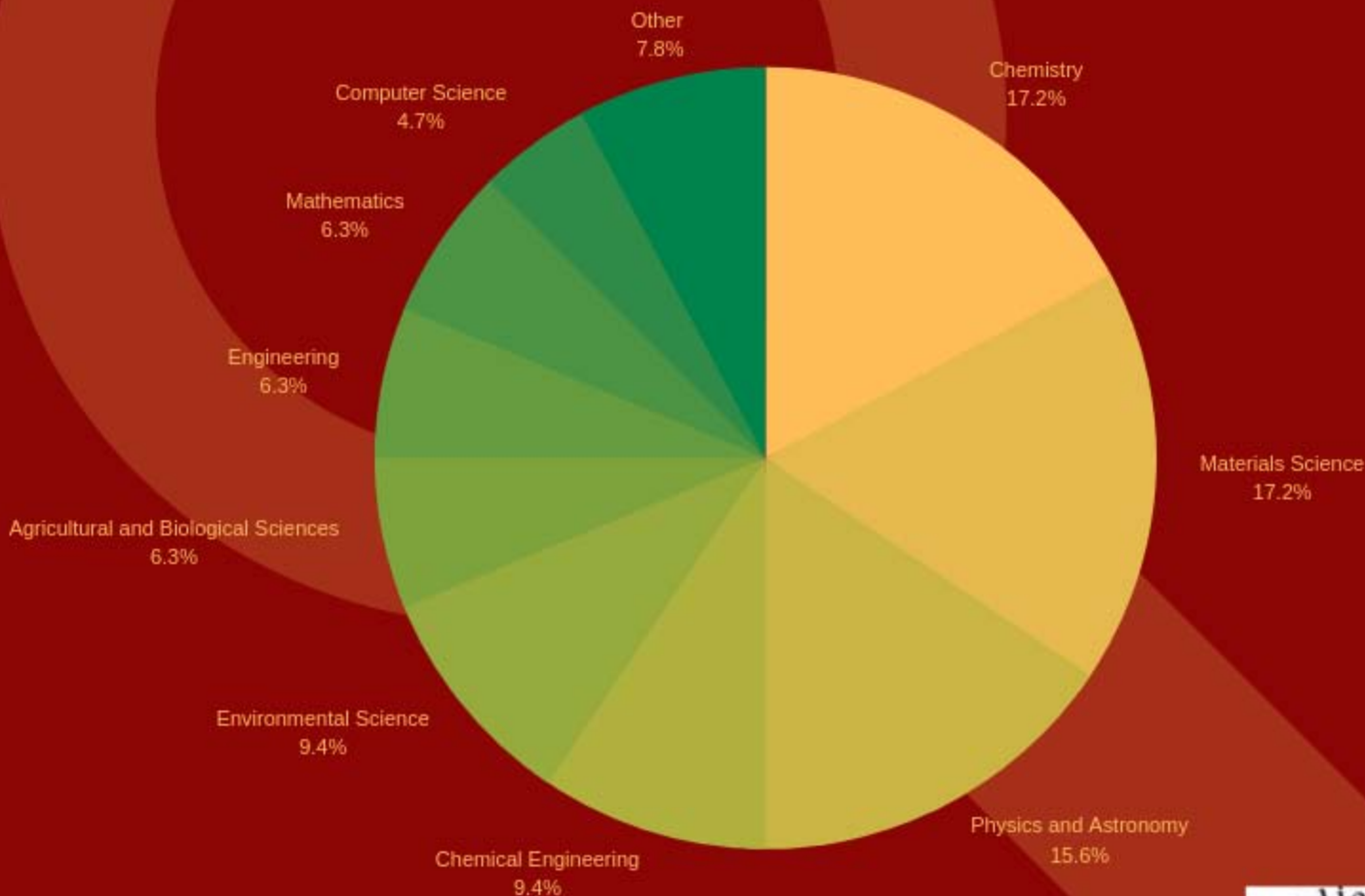


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