



Scopus

PRODUCCIÓN CIENTÍFICA EPS

PRIMER SEMESTRE 2026



INDICE

1. INVESTIGACIÓN EN LA EPS EN CIFRAS | Pg. 3
2. PUBLICACIONES 1er SEMESTRE 2026 | Pg. 7

A través de la producción científica indexada en SCOPUS mostramos algunas gráficas sobre el alcance de la investigación en la Escuela Politécnica Superior de la Universidad de Sevilla. Tenga en cuenta que la información relativa a un año (producción y citas) se va consolidando a finales del año siguiente.

Para identificar correctamente la producción de la EPS en las bases de datos, es fundamental que los autores de la EPS firmen sus publicaciones con la afiliación institucional, cumpliendo con la [normativa vigente](#).

FUENTES: SCOPUS | SCIVAL

EXPORT DATE: 30 junio 2026

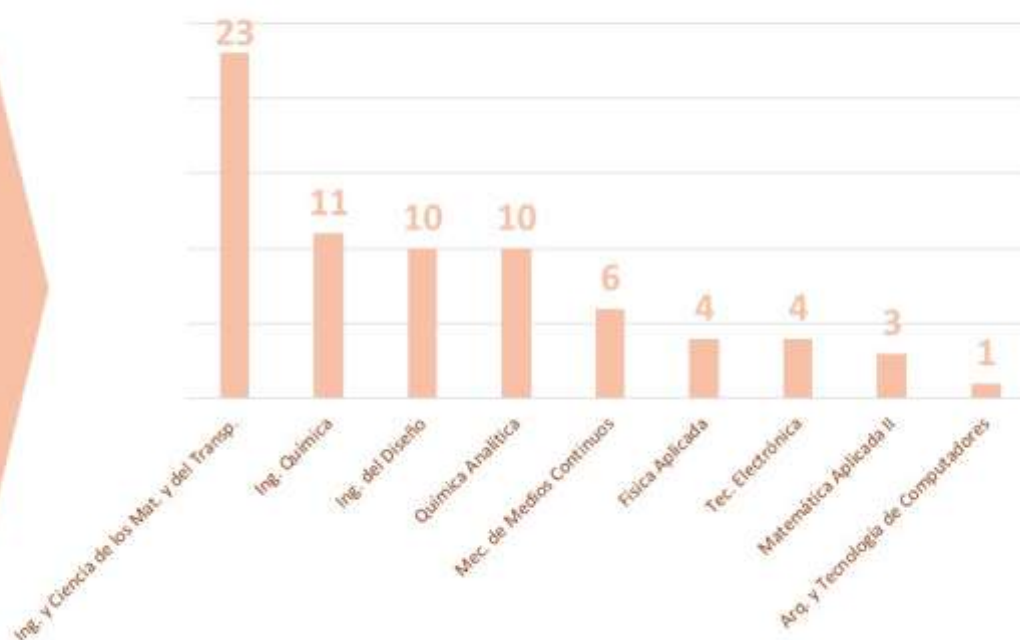
1. INVESTIGACIÓN EN LA EPS EN CIFRAS

SITUACIÓN DE LAS PUBLICACIONES POR CUARTILES

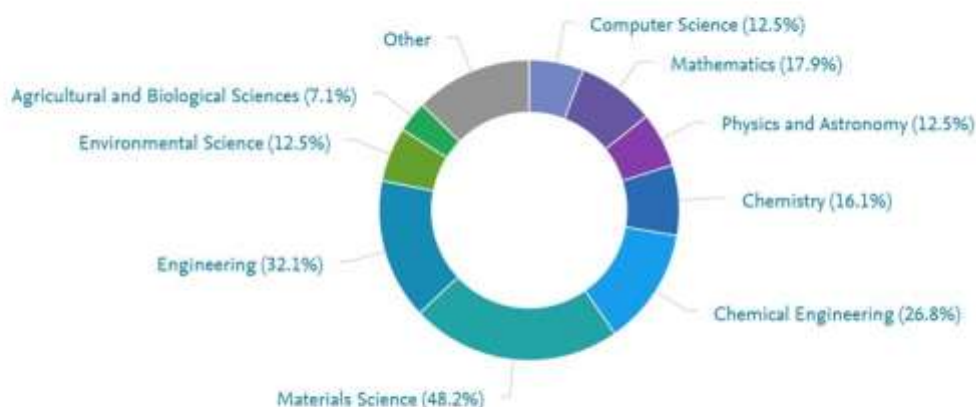
Impacto científico de revistas según JCR/JCI (WOS)



PUBLICACIONES POR DEPARTAMENTOS



PUBLICACIONES POR MATERIAS



Gráfica extraída de SCOPUS (SCIVAL)

El tamaño del segmento representa la participación relativa de publicaciones por área temática. Tenga en cuenta que una publicación se puede asignar a múltiples áreas temáticas

TOP 5 PUBLICACIONES EPS

Impacto normalizado (Field-Weighted Citation Impact FWCI)

Información extraída de SCOPUS (SCIVAL)

Publicación	Citas	FWCI
Dual biopolymer systems for structuring oil-in-water emulsions: Engineering insights into phycocyanin–chia mucilage mixtures (2026). Vela-Albarrán, M., Calero, N., Carrillo, F. and 1 more (2026) Journal of Industrial and Engineering Chemistry, 153, pp. 467-475. View in Scopus	5	6.34
Evaluating social impacts in children stakeholder: An innovative method for social life cycle assessment. Aguilar-Planet, T., Picardo, A., Martín-Mariscal, A. and 2 more (2026) Environmental Impact Assessment Review, 116. View in Scopus	4	10.62
Influence of Water Absorption on the Impact Response and Failure Mechanisms of 3D-Printed PLA-Based Honeycomb Sandwich Composite Structures. Ainin, F.N., Azaman, M.D., Ferreira, L.M. and 3 more (2026) Polymer Composites, 47 (2), pp. 1895-1911. View in Scopus	3	4.46
Biodegradable polyacrylamide-based hydrogels with unique bactericidal and osteoinductive properties to improve the clinical success of porous titanium implants. Martínez, G., Castellano-Pozo, M., de los Santos, M.M. and 7 more (2026) Progress in Organic Coatings, 210. View in Scopus	3	3.46
Step-wise current reactive flash sintering of Ba _{0.85} Ca _{0.15} Ti _{0.90} Zr _{0.10} O ₃ (BCZT) ceramics: Structure and electrical properties. Taibi, A., Gil-González, E., Yang, B. and 7 more (2026) Journal of the European Ceramic Society, 46 (3). View in Scopus	3	4.52

COLABORACIÓN NACIONAL E INTERNACIONAL

Gráfica extraída de SCOPUS (SCIVAL)



Metric

Publication
share

International collaboration	53.6%
Only national collaboration	25.0%
Only institutional collaboration	21.4%
Single authorship (no collaboration)	0.0%

ARTÍCULOS POR PAÍSES



La ubicación de los elementos en el mapa representa el origen de la publicación

2. PUBLICACIONES 1er SEMESTRE 2026

1. Acosta-Rivera H., Rico V., Ferrer F.J., Rojas T.C., Alvarez R., Martin N., González-Elise A.R., Palmero A. (2026) Oxidation of Amorphous Porous VO_x at Low Temperatures for the Formation of Thermochemical VO₂ Films. *Nanomaterials*, 16 (2), art. no. 130
DOI: 10.3390/nano16020130
2. Aguilar-Planet, T., Picardo, A., Martín-Mariscal, A., Fernández-Rodríguez, J.F., Peralta, E., (2026) Evaluating social impacts in children stakeholder: An innovative method for social life cycle assessment. *Environ Impact Assess Rev* 116, 108105.
DOI: 10.1016/J.EIAR.2025.108105
3. Ainin F.N., Azaman M.D., Ferreira L.M., Coelho C.A.C.P., Abdul Majid M.S., Ridzuan M.J.M. (2026) Influence of Water Absorption on the Impact Response and Failure Mechanisms of 3D-Printed PLA-Based Honeycomb Sandwich Composite Structures. *Polymer Composites*, 47 (2), pp. 1895 – 1911
DOI: 10.1002/pc.70264
4. Álvarez-Caudevilla, P., Brändle, C., Molina-Becerra, M., Suárez, A., (2026) A three population Lotka-Volterra competition model with two populations interacting through an interface. *J Math Anal Appl* 554, 129934.
DOI: 10.1016/J.JMAA.2025.129934
5. Álvarez-Espada J.-M., Aguilar-Planet T., Peralta E. (2026) Integrating Complexity and Risk Analysis for Selection of Management Approaches in Complex Projects: Application to UN Peacekeeping Missions. *Systems*, 14 (1), art. no. 100
DOI: 10.3390/systems14010100
6. Aranda P., Valverde-González A., Reinoso J., Segurado J. (2026) Phase-field fracture in elastic–plastic polycrystals, analysis of FEM and FFT implementations. *Theoretical and Applied Fracture Mechanics*, 141, art. no. 105335
DOI: 10.1016/j.tafmec.2025.105335
7. Atawa O., Criado N.G., Martín J., Santos J.L., Aparicio I., Alonso E., Hamdi N. (2026) Design and application of a TiO₂/clay/Ag hybrid nanocomposite for environmental remediation of cytotoxic pharmaceuticals. *Environmental Science and Pollution Research*, 33 (8), pp. 3396 – 3409
DOI: 10.1007/s11356-026-37498-1
8. Barrera-Vicent, A., Díaz-Báñez, J.M., Rodríguez, F., Sánchez-Canales, V., (2026). Computing Optimal Trajectories for a Tethered Pursuer in Straight-Line Motion. *Journal of Optimization Theory and Applications* 2026 209:3 209, 72-.
DOI: 10.1007/S10957-026-02995-3
9. Basallote, M., Gallardo, J.M., Hernández-Mancera, C., Jiménez-Losada, A., (2026). Measuring expected values in probabilistic communication situations with incompatibility. *Int J Syst Sci*. DOI: 10.1080/00207721.2026.2671018
10. Baştan F.E., Akhtar M.A., Krapf A., Roether J., Beltrán A.M., Göken M., Boccaccini A.R. (2026) Bioinspired nacre-like hierarchical chitosan/hydroxyapatite coatings by electrophoretic deposition. *Applied Materials Today*, 48, art. no. 103002
DOI: 10.1016/j.apmt.2025.103002

11. Cacciari R.D., Gonik E., Beltrán A.M., Mizrahi M.D., Ezquerro Riega S.D., Rodríguez H.B., Gonzalez M.C. (2026) Development of hybrid nanoparticles based on Zr(IV) and perylene-3,4,9,10-tetracarboxylic acid with visible-light photoredox activity. *RSC Advances*, 16 (7), pp. 6689 – 6705
DOI: 10.1039/d5ra09148a
12. Camayo-Gutierrez L., Ubeda J., Montero-Alejo A.L., Grau-Crespo R., Menéndez-Proupin E. (2026) Thermodynamic Stability and Hydrogen Bonds in Mixed Halide Perovskites. *Journal of Physical Chemistry Letters*, 17 (16), pp. 4755 – 4763
DOI: 10.1021/acs.jpclett.6c00523
13. Casado-Galán A., Núñez J., Tena-Sánchez E., Potestad-Ordóñez F.E., Acosta A.J. (2026). Assessment of an FPGA Implementation of a Hybrid PUF Based on a Configurable Transient Effect Ring Oscillator and Ring Oscillator (TERORO-PUF) †. *Electronics (Switzerland)*, 15 (3), art. no. 661
DOI: 10.3390/electronics15030661
14. Castro M.M., Grünbaum F.A. (2026) The Bispectral Problem, the Darboux Process, Monodromy and the Hermite Operator. *Constructive Approximation*, 63 (3), pp. 921 – 938
DOI: 10.1007/s00365-026-09730-1
15. Castro-Criado D., Jiménez-Rosado M., Granados-Carrera C.M., Perez-Puyana V.M., Romero A. (2026) Influence of plasticizers on the properties of soy-based bioplastic matrices for controlled release of iron. *Industrial Crops and Products*, 245, art. no. 123298
DOI: 10.1016/j.indcrop.2026.123298
16. de Andrade Silva K.V.R., Elhadad A., Alcudia A., Gaviria J., Padrón-Hernández E., Torres Y. (2026) Magnetic nanoparticles: Emerging technologies for biomedical applications. *Journal of Alloys and Compounds*, 1050, art. no. 185717
DOI: 10.1016/j.jallcom.2025.185717
17. de la Rosa J.E., Garcia-Hernandez C., García-García F.J., Martín-Pedrosa F., Torres Y., García-Cabezón C. (2026) Biofunctional properties and electrochemical behavior of loose sintering titanium alloys under simulated oral conditions and acidic dietary habits. *Journal of Industrial and Engineering Chemistry*
DOI: 10.1016/j.jiec.2026.03.012
18. del Moral J., Haworth L., Montes L., Sánchez-Valencia J.R., Barranco A., Rico V.J., Czermak T., Carreño F., García-Gallego P., Mora J., López-Santos C., Winkler A., Borrás A., González-Elipe A.R., Fu Y. (2026) Acoustic Wave-Powered Durable Icephobic Duplex Coating Design with Superior Deicing Performance. *ACS Applied Materials and Interfaces*, 18 (5), pp. 9018 – 9031 DOI: 10.1021/acsami.5c19758
19. Diz-Mellado E., Soto-Orozco J., López-Cabeza V.P., Sánchez de la Flor F.J., Rivera-Gómez C. (2026) Regenerative Design for Heat-Resilient Cities: Nature-Based Microclimatic Strategies in a Mediterranean Context . *Applied Sciences (Switzerland)*, 16 (10), art. no. 4653
DOI: 10.3390/app16104653
20. Elhadad A., Cañete R., Mena D., Saad M., Mogassabi W., Dawoud A., Fatima F., Chowdhury M., Almuzafar A., Alqashouti H., Torres Y. (2026) Advanced additive manufacturing and printing technologies for dental applications: a narrative review. *International Journal of Advanced Manufacturing Technology*, 143 (1-2), pp. 1 – 27
DOI: 10.1007/s00170-025-17220-0

21. Frechilla A., Martínez E., Moral J.D., López-Santos C., Frechilla J., Nuñez-Gálvez F., López-Flores V., de la Fuente G.F., Hülágü D., Bonse J., González-Elípe A.R., Borrás A., Angurel L.A. (2026) Influence of near-edge Laser-Induced Periodic Surface Structures (LIPSS) on the electrical properties of fs-laser-machined ITO microcircuits. *Applied Surface Science*, 731, art. no. 166415
DOI: 10.1016/j.apsusc.2026.166415
22. García-Criado N., Martín J., Santos J.L., Aparicio I., Alonso E. (2026) Micro-matrix solid-phase dispersion method for the multiresidue determination of tetracycline antibiotics and their transformation products in radish. *Microchemical Journal*, 224, art. no. 117682
DOI: 10.1016/j.microc.2026.117682
23. García-Galán M.A., Candelario V.M., Guiberteau F., Ortiz A.L. (2026) Fracture strength of ZrO_2/SiC hybrid tubular honeycomb ceramic filters. *Ceramics International*, 52 (9), pp. 13170 – 13179
DOI: 10.1016/j.ceramint.2026.01.456
24. García-González M.-C., Alfaro-Rodríguez M.-C., Lobo C., Muñoz J. (2026) Increasing the added-value of a plant-based waste: model salad dressing based on an emulgel containing microfluidized hull pea fiber. *Journal of the Science of Food and Agriculture*, 106 (2), pp. 1115 – 1125
DOI: 10.1002/jsfa.70234
25. González-Castillo, E.I., Vargas-Osorio Z., Aguilar A.E., Dias-González J.A., Vázquez-Vázquez C., Mittelhaus M., Alcudia A., Torres Y., Galusek D., Boccaccini A.R. (2026) Self-assembled chitosan-mesoporous silica nanorod coatings for biomedical applications: approaching tissue anisotropy by inducing nanoparticle alignment. *Journal of Materials Science* DOI: 10.1007/s10853-026-12861-2
26. Granados-Carrera C.M., Perez-Puyana V.M., Castro-Criado D., Romero A. (2026) Chitosan-alginate hybrid hydrogels: Prospects for sustainable horticulture. *Journal of Environmental Chemical Engineering*, 14 (3), art. no. 122491
DOI: 10.1016/j.jece.2026.122491
27. Granados-Carrera C.M., Perez-Puyana V.M., Jiménez-Rosado M., Romero A. (2026) Hydrogel Development, Processing and Applications in Agriculture: A Review. *Gels*, 12 (3), art. no. 259 DOI: 10.3390/gels12030259
28. Haciosmanoğlu G.G., Arenas M., Mejías C., Martín J., Santos J.L., Aparicio I., Alonso E. (2026) Adsorption Behavior of Chiral Pharmaceuticals onto Montmorillonite Clay: Evaluating Removal Efficiency and Stereoselectivity. *Molecules*, 31 (12), art. no. 2040 DOI: 10.3390/molecules31122040
29. Herrera-Garrido M.A., Távara L., Muñoz-Reja M., Vázquez-Sánchez A., Mantić V. (2026) Enriched crack-tip element for logarithmic stress singularities of Mode I and Mode II cracks in spring interfaces. *Engineering Fracture Mechanics*, 336, art. no. 111941
DOI: 10.1016/j.engfracmech.2026.111941
30. Kaňková H., Faturíková K., Buňová L., Nowicka A., Beltrán A.M., Galusek D., Galusková D. (2026) Influence of phosphate precursors on the incorporation of phosphorus and dopants into mesoporous bioactive glasses prepared by self-assembly induced evaporation. *Ceramics International* DOI: 10.1016/j.ceramint.2026.03.361

31. Kurtuldu F., Sisman O., Galleani G., Masař M., Beltrán A.M., Klement R., Velázquez J.J., Galusek D., Neščáková Z. (2026) Photodynamically Active Zinc-Phthalocyanine Loaded Mesoporous Bioactive Glass Nanoparticles for Biomedical Applications. *Advanced Engineering Materials* DOI: 10.1002/adem.202501775
32. Lara-Moreno A., Rodriguez-Morillo B., Madrid F., Martin-Sanchez P.M., Villaverde J., Mejías C., Alonso E., Santos J.L., Morillo E. (2026) Enhanced Diclofenac Biodegradation by Bacterial Strains and a Microbial Consortium from Activated Sludge: Toxicity Assessment and Insights into Microbial Community Dynamics. *Journal of Xenobiotics*, 16 (1), art. no. 24
DOI: 10.3390/jox16010024
33. León-Romero, L.P., Aguilar-Fernández, M., Francisco-Márquez, M., Zamora-Polo, F., Luque-Sendra, A., 2026. Systemic Modelling of Soil pH Dynamic and Its Impact on the Initial Development of Native Maize: Implications for Food Security. *Agriculture* 2026, Vol. 16, Page 1311 16, 1311.
DOI: 10.3390/AGRICULTURE16121311
34. Liotino S., Cometa S., Félix M., Guerrero A., Bengoechea C., De Giglio E. (2026) Effect of Salt Addition in Porcine Plasma Protein-based Bioplastics as a Strategy To Obtain Superabsorbent Materials. *Journal of Polymers and the Environment*, 34 (4), art. no. 84
DOI: 10.1007/s10924-025-03718-x
35. Luque J., Gómez Á., Carrasco A., León C., Fernández A. (2026) Advanced Feature Engineering for Non-Intrusive Load Monitoring. *IEEE Access*, 14, pp. 30037 – 30052
DOI: 10.1109/ACCESS.2026.3667181
36. Madrigal J.R., Candelario V.M., Zamora V., Ortiz A.L. (2026) Effect of sintering temperature and compaction pressure on the microstructure and mechanical strength of B₄C supports for ceramic membrane filtration. *Ceramics International*, 52 (17), pp. 32869 – 32876 DOI: 10.1016/j.ceramint.2026.05.335
37. Martín J., Mejías C., García-Criado N., Arenas M., Santos J.L., Aparicio I., Alonso E., Heinze J. (2026) Influence of the type of treated sludge on LAS degradation after soil application: Risk assessment and considerations under the EU Directive 86/278/EEC. *Journal of Environmental Management*, 397, art. no. 128080
DOI: 10.1016/j.jenvman.2025.128080
38. Martínez G., Castellano-Pozo M., de los Santos M.M., Casado-Jurado D., Huertas P., Pajuelo E., De-Miguel M., Begines B., Torres Y., Alcudia A. (2026) Biodegradable polyacrylamide-based hydrogels with unique bactericidal and osteoinductive properties to improve the clinical success of porous titanium implants. *Progress in Organic Coatings*, 210, art. no. 109704
DOI: 10.1016/j.porgcoat.2025.109704
39. Morato-Huerta P., Lama-Ruiz J.R., Martín-Gómez A.M. (2026) Conceptual Design of a Collaborative Nesting System for Shipbuilding. *Lecture Notes in Mechanical Engineering*, pp. 175 – 185
DOI: 10.1007/978-3-032-07058-6_15
40. Motaghian F., Nazari S., Dominguez-Morales J.P., Jafari R. (2026) Topology-aware design of spiking neural networks via modular graph architectures. *PLOS ONE*, 21 (4 April), art. no. e0344997
DOI: 10.1371/journal.pone.0344997

41. Pedrozo Alfonso J.C., Duran F.G., Cadús L.E., Furlong O.J., Nazzarro M.S., Beltrán A.M., Arzac G.M., Fernández A., Aguero F.N. (2026) In situ generation of Ni particles from $\text{CaTi}_{1-x}\text{Ni}_x\text{O}_3$ perovskites used in CO_2 methanation. *Applied Catalysis A: General*, 709, art. no. 120622
DOI: 10.1016/j.apcata.2025.12062
42. Pérez, H.D., Tapia A., Bris J., Paredes V., Pacheco J., Torres Y. (2026) Improving the biomechanical behavior of TPMS structures with radial gradient porosity for 3D-printed bone fixation devices: Numerical simulation and experimental validation. *Mechanics of Advanced Materials and Structures*, 33 (1), art. no. 2641809 DOI: 10.1080/15376494.2026.2641809
43. Perez, J.N., Salinas M.V., Guerrero Conejo A.F., Puppo M.C. (2026) Nutritional and Techno-Functional Evaluation of Faba Bean (*Vicia faba* L.) Flour and Protein Concentrate. *Foods*, 15 (8), art. no. 1350
DOI: 10.3390/foods15081350
44. Picardo A., Peralta E., Soltero V.M., Ortiz C., Chacartegui R. (2025) Assessment of a polygeneration system for district heating and cooling using biogas from wastewater treatment plants. *Energy Conversion and Management*, 348, art. no. 120615
DOI: 10.1016/j.enconman.2025.120615
45. Quintanas-Corominas A., Olivares-Rodríguez P., Reinoso J., García I.G. (2026) On the role of locking mitigation in phase-field modelling of ductile fracture. *Computer Methods in Applied Mechanics and Engineering*, 450, art. no. 118607
DOI: 10.1016/j.cma.2025.118607
46. Reis P.N.B., Távara L., Muñoz-Reja M., Aranda M.T., Ainín F.N., Azaman M.D., Ferreira L.M. (2026) Multi-Scale Characterization of PLA Composites With Natural-Based Reinforcements: From Filament to 3D-Printed Parts. *Polymer Composites*
DOI: 10.1002/pc.71093
47. Robau-Porrua A., González J.E., Picardo A., Navarro C., Delgado-Pujol E.J., Periñán A., Pérez H.D., Torres Y. (2026) Fatigue behavior of new custom porous dental implants manufactured by PBF-L/M: Finite element simulation and experimental validation. *Mechanics of Advanced Materials and Structures*, art. no. 2606092
DOI: 10.1080/15376494.2025.2606092
48. Rodríguez-Guerra, J., González-Mederos, P., González, J.E., Picardo, A., Torres, Y., 2026. Novel customized peri-implant device to reduce stress and strain levels in maxillary bone: influence of design parameters and material. *The International Journal of Advanced Manufacturing Technology* 2026 1–18.
DOI:10.1007/S00170-026-18588-3
49. Roperó J., Barbancho J., Lora P., Cortés J., Domínguez-Cid S., León C. (2026) Hybrid Fuzzy–ANN Model for Risk Estimation in Hotel HVAC Chillers. *Journal of Intelligent and Fuzzy Systems*
DOI: 10.1177/18758967261441651
50. Rubio S., Beltrán A.M., Arévalo C., Martínez G.T., García-García F.J., Pérez-Soriano E.M., Montealegre-Meléndez I., Lozano J.G. (2026) Size tuneability of highly efficient li-rich cathode materials using an emulsion-based synthesis route. *Journal of Colloid and Interface Science*, 703, art. no. 139182
DOI: 10.1016/j.jcis.2025.139182

51. Sáez A., Rodríguez-Tembleque L., García-Sánchez F., Buroni F.C. (2026) The legacy of José Domínguez: Contributions to boundary element formulations in fracture mechanics. *Engineering Analysis with Boundary Elements*, 187, art. no. 106739
DOI: 10.1016/j.enganabound.2026.106739
52. Salamone T.A., Pennacchi B., Mercurio M., Cerra S., Sappino C., Del Giudice A., Matassa R., Lozano J.G., Beltrán A.M., Bearzotti A., Vayer M., Hennes L., Grigorian S., Sinturel C., Fratoddi I. (2026) Interface-Driven Orientation and Confinement in Poly(3-hexylthiophene-2,5-diyl)/Polylactic Acid/Gold Nanoparticle Composite Films for Enhanced Charge Transport. *ACS Applied Nano Materials*, 9 (19), pp. 8865 – 8876
DOI: 10.1021/acsanm.6c00790
53. Santana I., Félix M., Cabezudo S., Guerrero P., Bengoechea C. (2026) Assessment of *Rugulopteryx okamurae* seaweed as source of sustainable alginate gels with polyphenols from orange peel. *Journal of Cleaner Production*, 544, art. no. 147722
DOI: 10.1016/j.jclepro.2026.147722
54. Taibi A., Gil-González E., Yang B., Wang H., Zhang X., García J.E., Perejón A., Tsakalakos T., Pérez-Maqueda L.A., Sánchez-Jiménez P.E. (2026) Step-wise current reactive flash sintering of $a_{0.85}Ca_{0.15}Ti_{0.90}Zr_{0.10}O_3$ (BCZT) ceramics: Structure and electrical properties. *Journal of the European Ceramic Society*, 46 (3), art. no. 117845
DOI: 10.1016/j.jeurceramsoc.2025.117845
55. Valverde-González A., Olivares-Rodríguez P., Reinoso J., Dortdivanlioglu B. (2026) An inf-sup stable phase-field formulation for fracture of thermo-responsive hydrogels: Isotropic and transversely isotropic material models. *Composite Structures*, 377, art. no. 119785
DOI: 10.1016/j.compstruct.2025.119785
56. Vela F., Alfaro-Rodríguez M.-C., García-González M.-C., Muñoz J. (2026) Impact of concentration and dispersion rate on particle size distribution, viscoelasticity and physical stability of aqueous citric fibre dispersions. [Impacte de la concentració i de la taxa de dispersió en la distribució de mida de partícules, la viscoelasticitat i l'estabilitat física de dispersions aquoses de fibra cítrica] [Impacto de la concentración y la velocidad de dispersión en la distribución del tamaño de partícula, la viscoelasticidad y la estabilidad física de dispersión acuosa de fibra cítrica]. *Afinidad*, 83 (608), pp. 4 – 10
DOI: 10.55815/980000013964
57. Vela F., Alfaro-Rodríguez M.-C., Muñoz J. (2026) Design and characterization of food nanoemulgels structured with flaxseed fiber: gel–nanoemulsion proportion. *Journal of the Science of Food and Agriculture*, 106 (1), pp. 612 – 619
DOI: 10.1002/jsfa.70188
58. Vela-Albarrán M., Calero N., Carrillo F., Trujillo-Cayado L.A. (2026) Dual biopolymer systems for structuring oil-in-water emulsions: Engineering insights into phycocyanin–chia mucilage mixtures. *Journal of Industrial and Engineering Chemistry*, 153, pp. 467 – 475
DOI: 10.1016/j.jiec.2025.06.002
59. Vilella T., Delgado-Pujol E.J., García-Hernández C., Fargas G., Afonso C.R.M., Rodríguez D., García-Cabezón C., Alcudia A., Sánchez-López J.C., Torres Y. (2026) Engineering TNZT-coated titanium scaffolds via additive manufacturing and magnetron sputtering for bone tissue replacement. *Surface and Coatings Technology*, 522, art. no. 133128
DOI: 10.1016/j.surfcoat.2025.133128

60. Zhang Y.M., González H., García de Bollullos F.J., Vazquez P.A., Yi H.L. (2026) Gaussian wave packets in a semi-infinite capillary jet for droplet isolation: Spatial linear analysis and nonlinear simulations. *Physical Review E*, 113 (1), art. no. 015104
DOI: 10.1103/lk2k-m3qm