**Relació d’articles dels quals s’ha assignat una APC durant el 2022**

1. **Elsevier**
* BOIX-COTS, David, PARDO-BOSCH, Francesc and PUJADAS, Pablo, 2023. A hierarchical integration method under social constraints to maximize satisfaction in multiple criteria group decision making systems. *Expert Systems with Applications*. April 2023. Vol. 216, p. 119471. DOI 10.1016/j.eswa.2022.119471.
* BALLESTEROS, Christian, PFADLER, Andreas, MONTERO, Luca, ROMEU, Jordi and JOFRE-ROCA, Luis, 2022. Adaptive beamwidth optimization under Doppler ICI and positioning errors at mmWave bands. *Vehicular Communications*. April 2022. Vol. 34, p. 100456. DOI 10.1016/j.vehcom.2022.100456.
* MARTÍ, Didac, MARTÍN-MARTÍNEZ, Eduard, TORRAS, Juan, BETRAN, Oscar, TURON, Pau and ALEMÁN, Carlos, 2022. In silico study of substrate chemistry effect on the tethering of engineered antibodies for SARS-CoV-2 detection: Amorphous silica vs gold. *Colloids and Surfaces B: Biointerfaces*. May 2022. Vol. 213, p. 112400. DOI 10.1016/j.colsurfb.2022.112400.
* YUAN, Mingyue, HOU, Jiayu, GORNI, Giulio, CRESPO, Daniel, LI, Yuan and PRADELL, Trinitat, 2022. Jun ware glaze colours: An X-ray absorption spectroscopy study. *Journal of the European Ceramic Society*. June 2022. Vol. 42, no. 6, p. 3015–3022. DOI 10.1016/j.jeurceramsoc.2022.02.016.
* ZHU, Renbo, ZHU, Yanzhe, CHEN, Fandi, PATTERSON, Robert, ZHOU, Yingze, WAN, Tao, HU, Long, WU, Tom, JOSHI, Rakesh, LI, Mengyao, CAZORLA, Claudio, LU, Yuerui, HAN, Zhaojun and CHU, Dewei, 2022. Boosting moisture induced electricity generation from graphene oxide through engineering oxygen-based functional groups. *Nano Energy*. April 2022. Vol. 94, p. 106942. DOI 10.1016/j.nanoen.2022.106942.
* XUN, Lu, GARCIA-RUIZ, Francisco, FABREGAS, Francesc Xavier and GIL, Emilio, 2022. Pesticide dose based on canopy characteristics in apple trees: Reducing environmental risk by reducing the amount of pesticide while maintaining pest and disease control efficacy. *Science of The Total Environment*. June 2022. Vol. 826, p. 154204. DOI 10.1016/j.scitotenv.2022.154204.
* DAMIANS, I.P., OLIVELLA, S. and GENS, A., 2022. 3D Simulations of gas injection on callovo-oxfordian claystone assuming spatial heterogeneity and anisotropy. *International Journal of Rock Mechanics and Mining Sciences*. November 2022. Vol. 159, p. 105232. DOI 10.1016/j.ijrmms.2022.105232.
* EL GHARBI, Mariam, FERNÁNDEZ-GARCÍA, Raúl and GIL, Ignacio, 2022. Embroidered wearable Antenna-based sensor for Real-Time breath monitoring. *Measurement*. May 2022. Vol. 195, p. 111080. DOI 10.1016/j.measurement.2022.111080.
* FERNÁNDEZ-SANTOS, Julia, VALLS, Cristina, CUSOLA, Oriol and RONCERO, M. Blanca, 2022. Composites of cellulose nanocrystals in combination with either cellulose nanofibril or carboxymethylcellulose as functional packaging films. *International Journal of Biological Macromolecules*. June 2022. Vol. 211, p. 218–229. DOI 10.1016/j.ijbiomac.2022.05.049.
* RIERA, Marc, ARNAU, José María and GONZÁLEZ, Antonio, 2022. CREW: Computation reuse and efficient weight storage for hardware-accelerated MLPs and RNNs. *Journal of Systems Architecture*. August 2022. Vol. 129, p. 102604. DOI 10.1016/j.sysarc.2022.102604.
* CURULLI, Giuseppe, LLULL, Toni, PENNA, Nadia, MUJAL-COLILLES, Anna, GIRONELLA, Xavier, SÁNCHEZ-ARCILLA, Agustín and GAUDIO, Roberto, 2022. Relationship between eroded volume and main scour hole dimensions near quay walls caused by internal counter-rotating twin-propellers. *Ocean Engineering*. September 2022. Vol. 259, p. 111744. DOI 10.1016/j.oceaneng.2022.111744.
* GIACOMINI, Matteo and PEROTTO, Simona, 2022. Anisotropic mesh adaptation for region-based segmentation accounting for image spatial information. *Computers &amp; Mathematics with Applications*. September 2022. Vol. 121, p. 1–17. DOI 10.1016/j.camwa.2022.06.025.
* ARRAYAGO, Itsaso and RASMUSSEN, Kim J.R., 2022. Reliability of stainless steel frames designed using the Direct Design Method in serviceability limit states. *Journal of Constructional Steel Research*. September 2022. Vol. 196, p. 107425. DOI 10.1016/j.jcsr.2022.107425.
* VENTURA, Heura, ÁLVAREZ, María Dolores, GONZALEZ-LOPEZ, Laura, CLARAMUNT, Josep and ARDANUY, Monica, 2022. Cement composite plates reinforced with nonwoven fabrics from technical textile waste fibres: Mechanical and environmental assessment. *Journal of Cleaner Production*. October 2022. Vol. 372, p. 133652. DOI 10.1016/j.jclepro.2022.133652.
* SOLÉ, Marta, DE VREESE, Steffen, FORTUÑO, José-Manuel, VAN DER SCHAAR, Mike, SÁNCHEZ, Antonio M. and ANDRÉ, Michel, 2022. Commercial cuttlefish exposed to noise from offshore windmill construction show short-range acoustic trauma. *Environmental Pollution*. November 2022. Vol. 312, p. 119853. DOI 10.1016/j.envpol.2022.119853.
* FORERO-QUINTERO, Jose-Fernando, VILLAFÁFILA-ROBLES, Roberto, BARJA-MARTINEZ, Sara, MUNNÉ-COLLADO, Ingrid, OLIVELLA-ROSELL, Pol and MONTESINOS-MIRACLE, Daniel, 2022. Profitability analysis on demand-side flexibility: A review. *Renewable and Sustainable Energy Reviews*. November 2022. Vol. 169, p. 112906. DOI 10.1016/j.rser.2022.112906.
* VALLÈS, V., FERNÁNDEZ DE LABASTIDA, M., LÓPEZ, J., BATTAGLIA, G., WINTER, D., RANDAZZO, S., CIPOLLINA, A. and CORTINA, J.L., 2023. Sustainable recovery of critical elements from seawater saltworks bitterns by integration of high selective sorbents and reactive precipitation and crystallisation: Developing the probe of concept with on-site produced chemicals and energy. *Separation and Purification Technology*. February 2023. Vol. 306, p. 122622. DOI 10.1016/j.seppur.2022.122622.
* GONÇALVES, L.A., Junior, JIMÉNEZ, S., CORNEJO, A., BARBU, L.G., PARAREDA, S. and CASELLAS, D., 2023. Numerical simulation of a rapid fatigue test of high Mn-TWIP steel via a high cycle fatigue constitutive law. *International Journal of Fatigue*. March 2023. Vol. 168, p. 107444. DOI 10.1016/j.ijfatigue.2022.107444.
* ZHANG, Junhui, AHMADI, Maziar, SERRA, Marc, JIMENEZ-PIQUE, Emilio, LLANES, Luis and FARGAS, Gemma, 2022. Integration of conductive silver sensors on zirconia ceramics by screen-printing for monitoring strain under applied load. *Ceramics International*. December 2022. DOI 10.1016/j.ceramint.2022.12.005.
* ZOLFAGHARI, Seyyed Mohammadreza, PONS, Oriol and NIKOLIC, Jelena, 2023. Sustainability assessment model for mass housing’s interior rehabilitation and its validation to Ekbatan, Iran. *Journal of Building Engineering*. April 2023. Vol. 65, p. 105685. DOI 10.1016/j.jobe.2022.105685.
* BARRERA, Kevin, MERINO, Anna, MOLINA, Angel and RODELLAR, José, 2023. Automatic generation of artificial images of leukocytes and leukemic cells using generative adversarial networks (syntheticcellgan). *Computer Methods and Programs in Biomedicine*. February 2023. Vol. 229, p. 107314. DOI 10.1016/j.cmpb.2022.107314.
* URPÍ, Lourdes, ALLA, Abdelilah and MARTÍNEZ DE ILARDUYA, Antxon, 2023. Elastomeric copolyesters of ω-pentadecalactone and cyclohexylenedimethylene succinate obtained by enzymatic polymerization. *Polymer*. January 2023. Vol. 266, p. 125624. DOI 10.1016/j.polymer.2022.125624.
* BOIX-COTS, David, PARDO-BOSCH, Francesc and PUJADAS, Pablo, 2023. A hierarchical integration method under social constraints to maximize satisfaction in multiple criteria group decision making systems. *Expert Systems with Applications*. April 2023. Vol. 216, p. 119471. DOI 10.1016/j.eswa.2022.119471.
* HASHEMI, Mohammad R., ROSSI, Riccardo and RYZHAKOV, Pavel B., 2022. An enhanced non-oscillatory BFECC algorithm for finite element solution of advective transport problems. *Computer Methods in Applied Mechanics and Engineering*. March 2022. Vol. 391, p. 114576. DOI 10.1016/j.cma.2022.114576.
* ARRAYAGO, Itsaso, ZHANG, Hao and RASMUSSEN, Kim J.R., 2022. Simplified expressions for reliability assessments in code calibration. *Engineering Structures*. April 2022. Vol. 256, p. 114013. DOI 10.1016/j.engstruct.2022.114013.
* GUAUS, E. and TORRENT-BURGUÉS, J., 2022. Characterization of modified solid electrodes with organized thin films of a tetra-substituted zinc phthalocyanine. *Thin Solid Films*. April 2022. Vol. 747, p. 139145. DOI 10.1016/j.tsf.2022.139145.
* KIZILDAG, D., CASTRO, J., KESSENTINI, H., SCHILLACI, E. and RIGOLA, J., 2022. First test field performance of highly efficient flat plate solar collectors with transparent insulation and low-cost overheating protection. *Solar Energy*. April 2022. Vol. 236, p. 239–248. DOI 10.1016/j.solener.2022.02.007.
* BAQUERO LARRIVA, María Teresa, MENDES, Ana Sofía and FORCADA, Nuria, 2022. The effect of climatic conditions on occupants’ thermal comfort in naturally ventilated nursing homes. *Building and Environment*. April 2022. Vol. 214, p. 108930. DOI 10.1016/j.buildenv.2022.108930.
* GRAFFELMAN, Jan and WEIR, Bruce S., 2022. The transitivity of the Hardy–Weinberg law. *Forensic Science International: Genetics*. May 2022. Vol. 58, p. 102680. DOI 10.1016/j.fsigen.2022.102680.
* PRADES-VALLS, Albert, COROMINAS, Jordi, LANTADA, Nieves, MATAS, Gerard and NÚÑEZ-ANDRÉS, Ma Amparo, 2022. Capturing rockfall kinematic and fragmentation parameters using high-speed camera system. *Engineering Geology*. June 2022. Vol. 302, p. 106629. DOI 10.1016/j.enggeo.2022.106629.
* MASMITJÀ, Gerard, ROS, Eloi, ALMACHE-HERNÁNDEZ, Rosa, PUSAY, Benjamín, MARTÍN, Isidro, VOZ, Cristóbal, SAUCEDO, Edgardo, PUIGDOLLERS, Joaquim and ORTEGA, Pablo, 2022. Interdigitated back-contacted crystalline silicon solar cells fully manufactured with atomic layer deposited selective contacts. *Solar Energy Materials and Solar Cells*. June 2022. Vol. 240, p. 111731. DOI 10.1016/j.solmat.2022.111731.
* DÍAZ-GONZÁLEZ, Francisco, CHILLÓN-ANTÓN, Cristian, LLONCH-MASACHS, Marc, GALCERAN-ARELLANO, Samuel, RULL-DURAN, Joan, BERGAS-JANÉ, Joan and BULLICH-MASSAGUÉ, Eduard, 2022. A hybrid energy storage solution based on supercapacitors and batteries for the grid integration of utility scale photovoltaic plants. *Journal of Energy Storage*. July 2022. Vol. 51, p. 104446. DOI 10.1016/j.est.2022.104446.
* BALLESTEROS, Christian, MONTERO, Luca, RAMÍREZ, Germán A. and JOFRE-ROCA, Luis, 2022. Multi-antenna 3D pattern design for millimeter-wave vehicular communications. *Vehicular Communications*. June 2022. Vol. 35, p. 100473. DOI 10.1016/j.vehcom.2022.100473.
* SABOUNCHI, Saeed and CANER, Ferhun C., 2022. Microplane model of cylindrical geometry for transversely isotropic polymer composites. *Computers &amp; Structures*. August 2022. Vol. 268, p. 106807. DOI 10.1016/j.compstruc.2022.106807.
* GILANI, Golshid, HOSSEINI, S.M. Amin, PONS-VALLADARES, Oriol and DE LA FUENTE, Albert, 2022. An enhanced multi-criteria decision-making approach oriented to sustainability analysis of building facades: A case study of Barcelona. *Journal of Building Engineering*. August 2022. Vol. 54, p. 104630. DOI 10.1016/j.jobe.2022.104630.
* LEDUCHOWICZ-MUNICIO, A., LÓPEZ-GOZÁLEZ, A., DOMENECH, B., FERRER-MARTÍ, L., UDAETA, M.E.M. and GIMENES, A.L.V., 2022. Last-mile rural electrification: Lessons learned from universalization programs in Brazil and Venezuela. *Energy Policy*. August 2022. Vol. 167, p. 113080. DOI 10.1016/j.enpol.2022.113080.
* HERNANDEZ-MATHEUS, Alejandro, LÖSCHENBRAND, Markus, BERG, Kjersti, FUCHS, Ida, ARAGÜÉS-PEÑALBA, Mònica, BULLICH-MASSAGUÉ, Eduard and SUMPER, Andreas, 2022. A systematic review of machine learning techniques related to local energy communities. *Renewable and Sustainable Energy Reviews*. December 2022. Vol. 170, p. 112651. DOI 10.1016/j.rser.2022.112651.
* ORDOÑO, Jesús, PÉREZ-AMODIO, Soledad, BALL, Kristen, AGUIRRE, Aitor and ENGEL, Elisabeth, 2022. The generation of a lactate-rich environment stimulates cell cycle progression and modulates gene expression on neonatal and hiPSC-derived cardiomyocytes. *Biomaterials Advances*. August 2022. Vol. 139, p. 213035. DOI 10.1016/j.bioadv.2022.213035.
* GIBERT, Oriol, SÁNCHEZ, Damián and CORTINA, José Luis, 2022. Removal of nitrate and pesticides from groundwater by nano zero-valent iron injection pulses under biostimulation and bioaugmentation scenarios in continuous-flow packed soil columns. *Journal of Environmental Management*. November 2022. Vol. 321, p. 115965. DOI 10.1016/j.jenvman.2022.115965.
* BOIX-COTS, David, PARDO-BOSCH, Francesc, BLANCO, Ana, AGUADO, Antonio and PUJADAS, Pablo, 2022. A systematic review on MIVES: A sustainability-oriented multi-criteria decision-making method. *Building and Environment*. September 2022. Vol. 223, p. 109515. DOI 10.1016/j.buildenv.2022.109515.
* GORDON, S., BESHARATLOO, H., WHEELER, J.M., RODRIGUEZ-SUAREZ, T., ROA, J.J., JIMÉNEZ-PIQUÉ, E. and LLANES, L., 2022. Micromechanical mapping of polycrystalline cubic boron nitride composites by means of high-speed nanoindentation: Assessment of microstructural assemblage effects. *Journal of the European Ceramic Society*. August 2022. DOI 10.1016/j.jeurceramsoc.2022.08.047.
* BESHARATLOO, H., DE NICOLÁS-MORILLAS, M., CHEN, M., MATEO, A., FERRARI, B., GORDO, E., JIMÉNEZ-PIQUÉ, E., WHEELER, J.M. and LLANES, L., 2022. Micropillar compression of Ti(C,N)-FeNi cermets: Microstructural, processing, and scale effects. *Journal of the European Ceramic Society*. September 2022. DOI 10.1016/j.jeurceramsoc.2022.09.029.
* MUÑOZ, Jairo Alberto, ELIZALDE, Sergio, KOMISSAROV, Alexander and CABRERA, José María, 2022. Effect of heat treatments on the mechanical and microstructural behavior of a hypoeutectic Al alloy obtained by laser powder bed fusion. *Materials Science and Engineering: A*. November 2022. Vol. 857, p. 144091. DOI 10.1016/j.msea.2022.144091.
* BONANY, Mar, PÉREZ-BERNÁ, Ana Joaquina, DUČIĆ, Tanja, PEREIRO, Eva, MARTIN-GÓMEZ, Helena, MAS-MORUNO, Carlos, VAN RIJT, Sabine, ZHAO, Zhitong, ESPANOL, Montserrat and GINEBRA, Maria-Pau, 2022. Hydroxyapatite nanoparticles-cell interaction: New approaches to disclose the fate of membrane-bound and internalised nanoparticles. *Biomaterials Advances*. November 2022. Vol. 142, p. 213148. DOI 10.1016/j.bioadv.2022.213148.
* HAMED BANIRAZI MOTLAGH, S., HOSSEINI, S.M. Amin and PONS-VALLADARES, Oriol, 2023. Integrated value model for sustainability assessment of residential solar energy systems towards minimizing urban air pollution in Tehran. *Solar Energy*. January 2023. Vol. 249, p. 40–66. DOI 10.1016/j.solener.2022.10.047.
* GARCIA, F., OGBONNA, J., GIESECKE, A. and STEFANI, F., 2023. High dimensional tori and chaotic and intermittent transients in magnetohydrodynamic Couette flows. *Communications in Nonlinear Science and Numerical Simulation*. April 2023. Vol. 118, p. 107030. DOI 10.1016/j.cnsns.2022.107030.
* MACHADO, Pedro Vinícius Sousa, CANER, Ferhun C., LLANES, Luis and PIQUE, Emilio Jimenez, 2023. A computational framework for micromechanical modelling of WC-Co composites. *International Journal of Refractory Metals and Hard Materials*. February 2023. Vol. 111, p. 106053. DOI 10.1016/j.ijrmhm.2022.106053.
* MARTÍN, Isidro, LÓPEZ, Gema, GARÍN, Moisés, ROS, Eloi, ORTEGA, Pablo, VOZ, Cristóbal and PUIGDOLLERS, Joaquim, 2023. Hole selective contacts based on transition metal oxides for c-Ge thermophotovoltaic devices. *Solar Energy Materials and Solar Cells*. March 2023. Vol. 251, p. 112156. DOI 10.1016/j.solmat.2022.112156.
* VALENCIA-BARBA, Yovanna Elena, GÓMEZ-SOBERÓN, José Manuel and GÓMEZ-SOBERÓN, María Consolación, 2023. Dynamic life cycle assessment of the recurring embodied emissions from interior walls: Cradle to grave assessment. *Journal of Building Engineering*. April 2023. Vol. 65, p. 105794. DOI 10.1016/j.jobe.2022.105794.
* ALTAMIRA-ALGARRA, Beatriz, PUIGAGUT, Jaume, DAY, John W., MITSCH, William J., VYMAZAL, Jan, HUNTER, Rachael G. and GARCÍA, Joan, 2022. A review of technologies for closing the P loop in agriculture runoff: Contributing to the transition towards a circular economy. *Ecological Engineering*. April 2022. Vol. 177, p. 106571. DOI 10.1016/j.ecoleng.2022.106571.
* SENATORE, Vincenzo, RUEDA, Estel, BELLVER, Marta, DÍEZ-MONTERO, Rubén, FERRER, Ivet, ZARRA, Tiziano, NADDEO, Vincenzo and GARCÍA, Joan, 2023. Production of phycobiliproteins, bioplastics and lipids by the cyanobacteria Synechocystis sp. treating secondary effluent in a biorefinery approach. *Science of The Total Environment*. January 2023. Vol. 857, p. 159343. DOI 10.1016/j.scitotenv.2022.159343.
* DE LA FUENTE, A., BLANCO, A., GALEOTE, E. and CAVALARO, S., 2022. Structural fibre-reinforced cement-based composite designed for particle bed 3D printing systems. Case study Parque de Castilla Footbridge in Madrid. *Cement and Concrete Research*. July 2022. Vol. 157, p. 106801. DOI 10.1016/j.cemconres.2022.106801.
* RAYMOND, Yago, LEHMANN, Cyril, THOREL, Emilie, BENITEZ, Raúl, RIVEIRO, Antonio, POU, Juan, MANZANARES, Maria-Cristina, FRANCH, Jordi, CANAL, Cristina and GINEBRA, Maria-Pau, 2022. 3D printing with star-shaped strands: A new approach to enhance in vivo bone regeneration. *Biomaterials Advances*. June 2022. Vol. 137, p. 212807. DOI 10.1016/j.bioadv.2022.212807.
* LÓPEZ-BLANCO, Samuel, OCHOA, Diego A., VENDRELL, Xavier, MESTRES, Lourdes and GARCÍA, Jose E., 2022. Tailoring the microstructure by a proper electric current control in flash sintering: The case of barium titanate. *Journal of the European Ceramic Society*. October 2022. Vol. 42, no. 13, p. 5669–5674. DOI 10.1016/j.jeurceramsoc.2022.05.053.
* MARMOLEJO-DUARTE, Carlos and CHEN, Ai, 2022. Uncovering the price effect of energy performance certificate ratings when controlling for residential quality. *Renewable and Sustainable Energy Reviews*. September 2022. Vol. 166, p. 112662. DOI 10.1016/j.rser.2022.112662.
* DÍAZ, Josep, DINER, Öznur Yaşar, SERNA, Maria and SERRA, Oriol, 2022. The multicolored graph realization problem. *Discrete Applied Mathematics*. July 2022. DOI 10.1016/j.dam.2022.06.031.
* FAKHRAEI, Javad, ARCOS, Robert, PÀMIES, Teresa and ROMEU, Jordi, 2022. 2.5D singular boundary method for exterior acoustic radiation and scattering problems. *Engineering Analysis with Boundary Elements*. October 2022. Vol. 143, p. 293–304. DOI 10.1016/j.enganabound.2022.06.017.
* HENAO, Andrés, ANGULO-GARCÍA, David, CUELLO, Gabriel J., NEGRIER, Philippe and PARDO, Luis Carlos, 2022. Investigating disordered phases of C2Cl6 using an information theory approach. *Journal of Molecular Liquids*. September 2022. Vol. 362, p. 119708. DOI 10.1016/j.molliq.2022.119708.
* DE MORAIS, Etiele G., MURILLO, Ana M., LENS, Piet N.L., FERRER, Ivet and UGGETTI, Enrica, 2022. Selenium recovery from wastewater by the green microalgae Chlorella vulgaris and Scenedesmus sp. *Science of The Total Environment*. December 2022. Vol. 851, p. 158337. DOI 10.1016/j.scitotenv.2022.158337.
* FERRIOL-GALMÉS, Miquel, SUÁREZ-VARELA, José, PAILLISSÉ, Jordi, SHI, Xiang, XIAO, Shihan, CHENG, Xiangle, BARLET-ROS, Pere and CABELLOS-APARICIO, Albert, 2022. Building a Digital Twin for network optimization using Graph Neural Networks. *Computer Networks*. November 2022. Vol. 217, p. 109329. DOI 10.1016/j.comnet.2022.109329.
* MONTANYÀ, J., LÓPEZ, J.A., VAN DER VELDE, O., SOLÀ, G., ROMERO, D., MORALES, C., VISACRO, S., SABA, M.M.F., GOODMAN, S.J., WILLIAMS, E., PETERSON, M., PINEDA, N., ARCANJO, M. and ARANGUREN, D., 2022. Potential use of space-based lightning detection in electric power systems. *Electric Power Systems Research*. December 2022. Vol. 213, p. 108730. DOI 10.1016/j.epsr.2022.108730.
* AGUILAR, Lorena, PÉREZ, Leonardo M., GALLEGOS, Ángel, FORES, Eva, ARIAS, Carlos A., BOSCH, Carme, VERDUM, Maria, JOVE, Patricia, DE PABLO, Joan and MORATÓ, Jordi, 2022. Effect of aeration on nitrogen removal-associated microbial community in an innovative vertical cork-based constructed wetland for winery wastewater treatment. *Ecological Engineering*. December 2022. Vol. 185, p. 106781. DOI 10.1016/j.ecoleng.2022.106781.
* VALENTÍN, David, PRESAS, Alexandre, EGUSQUIZA, Mònica, DROMMI, Jean-Louis and VALERO, Carme, 2022. Benefits of battery hybridization in hydraulic turbines. Wear and tear evaluation in a Kaplan prototype. *Renewable Energy*. November 2022. Vol. 199, p. 35–43. DOI 10.1016/j.renene.2022.08.117.
* CORTEZ-ORDOÑEZ, Alexandra, SANCHEZ-ESPIGARES, José Antonio and VÁZQUEZ, Pere-Pau, 2022. A visual tool for the analysis of usage trends of small and medium bicycle sharing systems. *Computers &amp; Graphics*. December 2022. Vol. 109, p. 30–41. DOI 10.1016/j.cag.2022.09.009.
* COMELLAS, Ester, PELTERET, Jean-Paul and BANGERTH, Wolfgang, 2023. I’m stuck! How to efficiently debug computational solid mechanics models so you can enjoy the beauty of simulations. *European Journal of Mechanics - A/Solids*. January 2023. Vol. 97, p. 104845. DOI 10.1016/j.euromechsol.2022.104845.
* POKLEWSKI-KOZIEŁŁ, Damian, DUDZIC-GYURKOVICH, Karolina and DUARTE, Carlos Marmolejo, 2023. Investigating urban form, and walkability measures in the new developments. The case study of Garnizon in Gdansk. *Land Use Policy*. February 2023. Vol. 125, p. 106471. DOI 10.1016/j.landusepol.2022.106471.
* DA SILVA, Luan Ramos, VELASCO, José Ignacio and FAKHOURI, Farayde Matta, 2023. Use of rice on the development of plant-based milk with antioxidant properties: From raw material to residue. *LWT*. January 2023. Vol. 173, p. 114271. DOI 10.1016/j.lwt.2022.114271.
* SÁEZ, Raúl and PRATS, Xavier, 2023. Time-based-fuel-efficient aircraft descents: Thrust-idle descents along re-negotiated routes vs. powered descents along published routes. *Transportation Research Part D: Transport and Environment*. January 2023. Vol. 114, p. 103563. DOI 10.1016/j.trd.2022.103563.
* TAPIA-QUIRÓS, P., MONTENEGRO-LANDÍVAR, M.F., REIG, M., VECINO, X., SAURINA, J., GRANADOS, M. and CORTINA, J.L., 2022. Integration of membrane processes for the recovery and separation of polyphenols from winery and olive mill wastes using green solvent-based processing. *Journal of Environmental Management*. April 2022. Vol. 307, p. 114555. DOI 10.1016/j.jenvman.2022.114555.
* HABIBI, Saeid, VALLADARES, Oriol Pons and PEÑA, Diana Maritza, 2022. Sustainability performance by ten representative intelligent Façade technologies: A systematic review. *Sustainable Energy Technologies and Assessments*. August 2022. Vol. 52, p. 102001. DOI 10.1016/j.seta.2022.102001.
* GIL-MUÑOZ, Daniel and RIO, Anna, 2022. Hopf-Galois module structure of quartic Galois extensions of Q. *Journal of Pure and Applied Algebra*. September 2022. Vol. 226, no. 9, p. 107045. DOI 10.1016/j.jpaa.2022.107045.
* BARCELÓ-ARMADA, Rubén, CASTELL-UROZ, Ismael and BARLET-ROS, Pere, 2022. Amazon Alexa traffic traces. *Computer Networks*. March 2022. Vol. 205, p. 108782. DOI 10.1016/j.comnet.2022.108782.
* ARRAYAGO, Itsaso and RASMUSSEN, Kim J.R., 2022. Influence of the imperfection direction on the ultimate response of steel frames in advanced analysis. *Journal of Constructional Steel Research*. March 2022. Vol. 190, p. 107137. DOI 10.1016/j.jcsr.2022.107137.
* AIDAROV, Stanislav, NADAŽDI, Ana, PUGACH, Evgeniy, TOŠIĆ, Nikola and DE LA FUENTE, Albert, 2022. Cost-oriented analysis of fibre reinforced concrete column-supported flat slabs construction. *Journal of Building Engineering*. July 2022. Vol. 51, p. 104205. DOI 10.1016/j.jobe.2022.104205.
* ROSELL, Francisca, CODINA, Esteve and MONTERO, Lídia, 2022. A combined and robust modal-split/traffic assignment model for rail and road freight transport. *European Journal of Operational Research*. December 2022. Vol. 303, no. 2, p. 688–698. DOI 10.1016/j.ejor.2022.03.008.
* RUEDA, Estel, ÁLVAREZ-GONZÁLEZ, Ana, VILA, Joaquim, DÍEZ-MONTERO, Rubén, GRIFOLL, Magdalena and GARCÍA, Joan, 2022. Inorganic carbon stimulates the metabolic routes related to the polyhdroxybutyrate production in a Synechocystis sp. strain (cyanobacteria) isolated from wastewater. *Science of The Total Environment*. July 2022. Vol. 829, p. 154691. DOI 10.1016/j.scitotenv.2022.154691.
* IGLESIAS-FERNANDEZ, Marc, BUXADERA-PALOMERO, Judit, SADOWSKA, Joanna-Maria, ESPANOL, Montserrat and GINEBRA, Maria-Pau, 2022. Implementation of bactericidal topographies on biomimetic calcium phosphates and the potential effect of its reactivity. *Biomaterials Advances*. May 2022. Vol. 136, p. 212797. DOI 10.1016/j.bioadv.2022.212797.
* CASADO, J., KONURAY, O., ROIG, A., FERNÁNDEZ-FRANCOS, X. and RAMIS, X., 2022. 3D printable hybrid acrylate-epoxy dynamic networks. *European Polymer Journal*. June 2022. Vol. 173, p. 111256. DOI 10.1016/j.eurpolymj.2022.111256.
* VALENZUELA-PÉREZ, A., GARCÍA-LOZANO, M., VALENZUELA, J.L., PÉREZ-DÍAZ-DE-CERIO, D., HERNÁNDEZ-SOLANA, Á. and VALDOVINOS, A., 2022. On the use of sniffers for spectrum occupancy measurements of Bluetooth low energy primary channels. *Measurement*. August 2022. Vol. 199, p. 111573. DOI 10.1016/j.measurement.2022.111573.
* DIALAMI, Narges, CHIUMENTI, Michele, CERVERA, Miguel, CHASCO, Uxue, REYES-POZO, Guillermo and PÉREZ, Marco A., 2022. A hybrid numerical-experimental strategy for predicting mechanical response of components manufactured via FFF. *Composite Structures*. October 2022. Vol. 298, p. 115998. DOI 10.1016/j.compstruct.2022.115998.
* GARCÍA-TORRES, José, COLOMBI, Samuele, MACOR, Lorena P. and ALEMÁN, Carlos, 2022. Multitasking smart hydrogels based on the combination of alginate and poly(3,4-ethylenedioxythiophene) properties: A review. *International Journal of Biological Macromolecules*. October 2022. Vol. 219, p. 312–332. DOI 10.1016/j.ijbiomac.2022.08.008.
* INDIA, Miquel, HERNANDO, Javier and FONOLLOSA, José A.R., 2023. Language modelling for speaker diarization in telephonic interviews. *Computer Speech &amp; Language*. March 2023. Vol. 78, p. 101441. DOI 10.1016/j.csl.2022.101441.
* PONS-PRATS, Jordi, ŽIVOJINOVIĆ, Tanja and KULJANIN, Jovana, 2022. On the understanding of the current status of urban air mobility development and its future prospects: Commuting in a flying vehicle as a new paradigm. *Transportation Research Part E: Logistics and Transportation Review*. October 2022. Vol. 166, p. 102868. DOI 10.1016/j.tre.2022.102868.
* ÁLVAREZ-GONZÁLEZ, Ana, UGGETTI, Enrica, SERRANO, Lydia, GORCHS, Gil, FERRER, Ivet and DÍEZ-MONTERO, Rubén, 2022. Can microalgae grown in wastewater reduce the use of inorganic fertilizers? *Journal of Environmental Management*. December 2022. Vol. 323, p. 116224. DOI 10.1016/j.jenvman.2022.116224.
* LU, Xufei, ZHANG, Wenyou, CHIUMENTI, Michele, CERVERA, Miguel, GILLHAM, Bobby, YU, Pengfei, YIN, Shuo, LIN, Xin, BABU, Ramesh Padamati and LUPOI, Rocco, 2022. Crack-free laser powder bed fusion by substrate design. *Additive Manufacturing*. November 2022. Vol. 59, p. 103149. DOI 10.1016/j.addma.2022.103149.
* RENOLD, Manuel, VOLLENWEIDER, Janik, MIJOVIĆ, Nemanja, KULJANIN, Jovana and KALIĆ, Milica, 2023. Methodological framework for a deeper understanding of airline profit cycles in the context of disruptive exogenous impacts. *Journal of Air Transport Management*. January 2023. Vol. 106, p. 102305. DOI 10.1016/j.jairtraman.2022.102305.
* SAVADKOOHI, Marjan, MACARULLA, Marcel and CASALS, Miquel, 2023. Facilitating the implementation of neural network-based predictive control to optimize building heating operation. *Energy*. January 2023. Vol. 263, p. 125703. DOI 10.1016/j.energy.2022.125703.
* YARAHMADI, M., ROA, J.J., ZHANG, J., CABEZAS, L., ORTIZ-MEMBRADO, L., LLANES, L. and FARGAS, G., 2022. Micromechanical properties of Yttria-doped zirconia ceramics manufactured by direct ink writing. *Journal of the European Ceramic Society*. October 2022. DOI 10.1016/j.jeurceramsoc.2022.10.067.
* VAILLANT, Yancy, LAFUENTE, Esteban and VENDRELL-HERRERO, Ferran, 2023. Assessment of industrial pre-determinants for territories with active product-service innovation ecosystems. *Technovation*. January 2023. Vol. 119, p. 102658. DOI 10.1016/j.technovation.2022.102658.
* CUBIDES, David, GUIMERÀ, Xavier, JUBANY, Irene and GAMISANS, Xavier, 2023. A review: Biological technologies for nitrogen monoxide abatement. *Chemosphere*. January 2023. Vol. 311, p. 137147. DOI 10.1016/j.chemosphere.2022.137147.
* TARANCO, Raúl, ARNAU, José-Maria and GONZÁLEZ, Antonio, 2023. LOCATOR: Low-power ORB accelerator for autonomous cars. *Journal of Parallel and Distributed Computing*. April 2023. Vol. 174, p. 32–45. DOI 10.1016/j.jpdc.2022.12.005.
* ANGULO, Cecilio, CHACÓN, Alejandro and PONSA, Pere, 2023. Towards a cognitive assistant supporting human operators in the Artificial Intelligence of Things. *Internet of Things*. April 2023. Vol. 21, p. 100673. DOI 10.1016/j.iot.2022.100673.
* CABEZAS, L., BERGER, C., JIMÉNEZ-PIQUÉ, E., PÖTSCHKE, J. and LLANES, L., 2023. Testing length-scale considerations in mechanical characterization of WC-Co hardmetal produced via binder jetting 3D printing. *International Journal of Refractory Metals and Hard Materials*. February 2023. Vol. 111, p. 106099. DOI 10.1016/j.ijrmhm.2022.106099.
* CARRANZA, Gerson, DO NASCIMIENTO, Martzel, FANALS, Josep, FEBRER, Josep and VALDERRAMA, César, 2022. Life cycle assessment and economic analysis of the electric motorcycle in the city of Barcelona and the impact on air pollution. *Science of The Total Environment*. May 2022. Vol. 821, p. 153419. DOI 10.1016/j.scitotenv.2022.153419.
* SALAZAR-CHIRALT, Ruben, CHEAH-MANE, Marc, MATEU-BARRIENDOS, Elia, BULLICH-MASSAGUE, Eduard, PRIETO-ARAUJO, Eduardo, MEHRJERDI, Hasan and GOMIS-BELLMUNT, Oriol, 2022. Dynamic interactions in large scale photovoltaic power plants with frequency and voltage support. *Electric Power Systems Research*. June 2022. Vol. 207, p. 107848. DOI 10.1016/j.epsr.2022.107848.
* VALENTÍN, David, VALERO, Carme, EGUSQUIZA, Mònica and PRESAS, Alexandre, 2022. Failure investigation of a solar tracker due to wind-induced torsional galloping. *Engineering Failure Analysis*. May 2022. Vol. 135, p. 106137. DOI 10.1016/j.engfailanal.2022.106137.
* RYZHAKOV, P., HERMOSILLA, F., UBACH, P.-A. and OÑATE, E., 2022. Adaptive breakwaters with inflatable elements for coastal protection. Preliminary numerical estimation of their performance. *Ocean Engineering*. May 2022. Vol. 251, p. 110818. DOI 10.1016/j.oceaneng.2022.110818.
* PARRA-ARNAU, Javier, STRUFE, Thorsten and DOMINGO-FERRER, Josep, 2022. Differentially private publication of database streams via hybrid video coding. *Knowledge-Based Systems*. July 2022. Vol. 247, p. 108778. DOI 10.1016/j.knosys.2022.108778.
* TOUSI, N.M., BERGADÀ, J.M. and MELLIBOVSKY, F., 2022. Large Eddy Simulation of optimal Synthetic Jet Actuation on a SD7003 airfoil in post-stall conditions. *Aerospace Science and Technology*. August 2022. Vol. 127, p. 107679. DOI 10.1016/j.ast.2022.107679.
* MUÑOZ-LIESA, Joan, CUERVA, Eva, PARADA, Felipe, VOLK, David, GASSÓ-DOMINGO, Santiago, JOSA, Alejandro and NEMECEK, Thomas, 2022. Urban greenhouse covering materials: Assessing environmental impacts and crop yields effects. *Resources, Conservation and Recycling*. November 2022. Vol. 186, p. 106527. DOI 10.1016/j.resconrec.2022.106527.
* ALMASAN, Paul, XIAO, Shihan, CHENG, Xiangle, SHI, Xiang, BARLET-ROS, Pere and CABELLOS-APARICIO, Albert, 2022. ENERO: Efficient real-time WAN routing optimization with Deep Reinforcement Learning. *Computer Networks*. September 2022. Vol. 214, p. 109166. DOI 10.1016/j.comnet.2022.109166.
* LEYVA-PUPO, Irian, CERVELLÓ-PASTOR, Cristina, ANAGNOSTOPOULOS, Christos and PEZAROS, Dimitrios P., 2022. Dynamic UPF placement and chaining reconfiguration in 5G networks. *Computer Networks*. October 2022. Vol. 215, p. 109200. DOI 10.1016/j.comnet.2022.109200.
* FERRÉ-BIGORRA, Jaume, CASALS, Miquel and GANGOLELLS, Marta, 2022. The adoption of urban digital twins. *Cities*. December 2022. Vol. 131, p. 103905. DOI 10.1016/j.cities.2022.103905.
* YANG, Liya, MARMOLEJO DUARTE, Carlos and MARTÍ CIRIQUIÁN, Pablo, 2022. Quantifying the relationship between public sentiment and urban environment in Barcelona. *Cities*. November 2022. Vol. 130, p. 103977. DOI 10.1016/j.cities.2022.103977.
* SALAS, Bernat, SALCEDO, Ramón, ORTEGA, Paula, GRELLA, Marco and GIL, Emilio, 2022. Use of ultrasound anemometers to study the influence of air currents generated by a sprayer with an electronic control airflow system on foliar coverage. Effect of droplet size. *Computers and Electronics in Agriculture*. November 2022. Vol. 202, p. 107381. DOI 10.1016/j.compag.2022.107381.
* VILA, Marc, CASAMAYOR, Víctor, DUSTDAR, Schahram and TENIENTE, Ernest, 2022. Edge-to-cloud sensing and actuation semantics in the industrial Internet of Things. *Pervasive and Mobile Computing*. December 2022. Vol. 87, p. 101699. DOI 10.1016/j.pmcj.2022.101699.
* MAYOR, Álvaro, BELTRAN, Emma, CORTINA, J.L. and VALDERRAMA, C., 2023. Nitrogen flow analysis in Spain: Perspectives to increase sustainability. *Science of The Total Environment*. February 2023. Vol. 858, p. 160117. DOI 10.1016/j.scitotenv.2022.160117.
* GIMÉNEZ, Bárbara N., CONTE, Leandro O., AUDINO, Francesca, SCHENONE, Agustina V., GRAELLS, Moisès, ALFANO, Orlando M. and PÉREZ-MOYA, Montserrat, 2022. Kinetic model of photo-Fenton degradation of paracetamol in an annular reactor: main reaction intermediates and cytotoxicity studies. *Catalysis Today*. November 2022. DOI 10.1016/j.cattod.2022.11.019.
* ZHANG, Junhui, YARAHMADI, Mona, CABEZAS, Laura, SERRA, Marc, ELIZALDE, Sergio, CABRERA, Jose Maria, LLANES, Luis and FARGAS, Gemma, 2022. Robocasting of dense 8Y zirconia parts: Rheology, printing, and mechanical properties. *Journal of the European Ceramic Society*. November 2022. DOI 10.1016/j.jeurceramsoc.2022.11.042.
* GONZALEZ-FLO, Eva, ROMERO, Xavier and GARCÍA, Joan, 2023. Nature based-solutions for water reuse: 20 years of performance evaluation of a full-scale constructed wetland system. *Ecological Engineering*. March 2023. Vol. 188, p. 106876. DOI 10.1016/j.ecoleng.2022.106876.
* MARTINEZ-QUIROGA, Victor, FREIXA, Jordi and REVENTOS, Francesc, 2023. Kv-scaling in thermal hydraulics: Background, applications and forthcoming uses. *Nuclear Engineering and Design*. April 2023. Vol. 404, p. 112141. DOI 10.1016/j.nucengdes.2022.112141.
* OLIVARES-ALARCOS, Alberto, FOIX, Sergi, BORGO, Stefano and GUILLEM ALENYÀ, 2022. OCRA – An ontology for collaborative robotics and adaptation. *Computers in Industry*. June 2022. Vol. 138, p. 103627. DOI 10.1016/j.compind.2022.103627.
* ROSTAMI, Fatemeh, KIS, Zoltán, KOPPELAAR, Rembrandt, JIMÉNEZ, Laureano and POZO, Carlos, 2022. Comparative sustainability study of energy storage technologies using data envelopment analysis. *Energy Storage Materials*. June 2022. Vol. 48, p. 412–438. DOI 10.1016/j.ensm.2022.03.026.
* SADROLODABAEE, Payam, HOSSEINI, S.M. Amin, CLARAMUNT, Josep, ARDANUY, Mònica, HAURIE, Laia, LACASTA, Ana M. and FUENTE, Albert de la, 2022. Experimental characterization of comfort performance parameters and multi-criteria sustainability assessment of recycled textile-reinforced cement facade cladding. *Journal of Cleaner Production*. July 2022. Vol. 356, p. 131900. DOI 10.1016/j.jclepro.2022.131900.
* MARTIN, P., MADRID-CORTES, C.E., CÁCERES, C., ARAYA, N., AGUILAR, C. and CABRERA, J.M., 2022. HEAPS: A user-friendly tool for the design and exploration of high-entropy alloys based on semi-empirical parameters. *Computer Physics Communications*. September 2022. Vol. 278, p. 108398. DOI 10.1016/j.cpc.2022.108398.
* ORIOLS, Núria, SALVADÓ, Nati, PRADELL, Trinitat, JIMÉNEZ, Núria, COTTE, Marine, GONZALEZ, Victor and BUTÍ, Salvador, 2022. Carbonation of fresco mural paintings with a dolomitic mortar. *Cement and Concrete Research*. July 2022. Vol. 157, p. 106828. DOI 10.1016/j.cemconres.2022.106828.
* MANZINI, Enrico, GARRIDO-AGUIRRE, Jon, FONOLLOSA, Jordi and PERERA-LLUNA, Alexandre, 2022. Mapping layperson medical terminology into the Human Phenotype Ontology using neural machine translation models. *Expert Systems with Applications*. October 2022. Vol. 204, p. 117446. DOI 10.1016/j.eswa.2022.117446.
* GARRIDO SALSAS, Javier, SAURÍ, Sergi, RÚA, Carles and TORRENT, Jordi, 2022. Conceptualisation of the Port of the Future based on the Business Canvas Model: Case study of the Vision 2040 for Barcelona. *Case Studies on Transport Policy*. June 2022. Vol. 10, no. 2, p. 1427–1437. DOI 10.1016/j.cstp.2022.05.002.
* BELZAGUI, Francisco and GUTIÉRREZ-BOUZÁN, Carmen, 2022. Review on alternatives for the reduction of textile microfibers emission to water. *Journal of Environmental Management*. September 2022. Vol. 317, p. 115347. DOI 10.1016/j.jenvman.2022.115347.
* MORALES, M., LAGUNA-BERCERO, M.A. and JIMÉNEZ-PIQUÉ, E., 2022. Direct-methane anode-supported solid oxide fuel cells fabricated by aqueous gel-casting. *Journal of the European Ceramic Society*. June 2022. DOI 10.1016/j.jeurceramsoc.2022.06.027.
* VAN DER VELDE, Oscar A., MONTANYÀ, Joan and LÓPEZ, Jesús A., 2022. Meteorological factors in the production of gigantic jets by tropical thunderstorms in Colombia. *Atmospheric Research*. October 2022. Vol. 277, p. 106316. DOI 10.1016/j.atmosres.2022.106316.
* MATEU-SANZ, Miguel, GINEBRA, María-Pau, TORNÍN, Juan and CANAL, Cristina, 2022. Cold atmospheric plasma enhances doxorubicin selectivity in metastasic bone cancer. *Free Radical Biology and Medicine*. August 2022. Vol. 189, p. 32–41. DOI 10.1016/j.freeradbiomed.2022.07.007.
* ANDÚJAR, C., BRUNET, P., CHICA, A., NAVAZO, I. and VINACUA, À., 2022. Solid Modelling for Manufacturing: From Voelcker’s Boundary Evaluation to Discrete Paradigms. *Computer-Aided Design*. November 2022. Vol. 152, p. 103370. DOI 10.1016/j.cad.2022.103370.
* FAZLIKESHTELI, Shiva, VENDRELL, Xavier and LLORCA, Jordi, 2022. Low-temperature partial oxidation of methane over Pd–Ni bimetallic catalysts supported on CeO2. *International Journal of Hydrogen Energy*. August 2022. DOI 10.1016/j.ijhydene.2022.07.020.
* WANG, Jingjing, CARRERA, Jesus, SAALTINK, Maarten W. and VALHONDO, Cristina, 2022. On the localization of chemical reactions in multicontinuum media. *Advances in Water Resources*. September 2022. Vol. 167, p. 104286. DOI 10.1016/j.advwatres.2022.104286.
* ALVAREZ, H. and OCAMPO-MARTINEZ, C., 2022. A phenomenological-based dynamic model for a polymer electrolyte membrane fuel-cell humidifier assembly. *Journal of Power Sources*. November 2022. Vol. 547, p. 231985. DOI 10.1016/j.jpowsour.2022.231985.
* PINTO, Edwin S. and AMANTE, Beatriz, 2022. Polygeneration system optimization for building energy system retrofit: A case of study for TR5 building of UPC-Terrassa. *Energy and Buildings*. October 2022. Vol. 273, p. 112375. DOI 10.1016/j.enbuild.2022.112375.
* LÓPEZ-ALMANSA, Francisco, BOVÉ, Oriol, CASAFONT, Miquel, FERRER, Miquel and BONADA, Jordi, 2022. State-of-the-art review on adjustable pallet racks testing for seismic design. *Thin-Walled Structures*. December 2022. Vol. 181, p. 110126. DOI 10.1016/j.tws.2022.110126.
* ZORRILLA, R. and ROSSI, R., 2023. A memory-efficient MultiVector Quasi-Newton method for black-box Fluid-Structure Interaction coupling. *Computers &amp; Structures*. January 2023. Vol. 275, p. 106934. DOI 10.1016/j.compstruc.2022.106934.
* ROMANINI, Michela, PÉREZ VALMASEDA, Alex and MACOVEZ, Roberto, 2022. Glass transition, crystallization kinetics, and inter-conformer relaxation dynamics of amorphous mitotane and related compounds. *International Journal of Pharmaceutics*. December 2022. Vol. 629, p. 122390. DOI 10.1016/j.ijpharm.2022.122390.
* CUBI, Alvaro, FABBRI, Marco, PAMPIN, Raul, KOLSEK, Aljaz and JOSSEAUME, Fabien, 2023. Effect of non-nominal port gaps on nuclear responses in ITER. *Fusion Engineering and Design*. January 2023. Vol. 186, p. 113336. DOI 10.1016/j.fusengdes.2022.113336.
* DOMINGO, Magí, RAMOS, Gonzalo and APARICIO, Ángel C., 2023. Use of fiber reinforced concrete in bridges – Metrorrey Line 2 case study. *Engineering Structures*. February 2023. Vol. 276, p. 115373. DOI 10.1016/j.engstruct.2022.115373.
* CAÑO, Ivan, VIDAL-FUENTES, Pedro, MEDAILLE, Axel Gon, JEHL, Zacharie, JIMÉNEZ-ARGUIJO, Alex, GUC, Maxim, IZQUIERDO-ROCA, Victor, MALERBA, Claudia, VALENTINI, Matteo, JIMÉNEZ-GUERRA, Maykel, PLACIDI, Marcel, PUIGDOLLERS, Joaquim and SAUCEDO, Edgardo, 2023. Challenges and improvement pathways to develop quasi-1D (Sb1-xBix)2Se3-based materials for optically tuneable photovoltaic applications. Towards chalcogenide narrow-bandgap devices. *Solar Energy Materials and Solar Cells*. March 2023. Vol. 251, p. 112150. DOI 10.1016/j.solmat.2022.112150.
* GANESAN, Kishore and VALDERRAMA, César, 2022. Anticipatory life cycle analysis framework for sustainable management of end-of-life crystalline silicon photovoltaic panels. *Energy*. April 2022. Vol. 245, p. 123207. DOI 10.1016/j.energy.2022.123207.
* ALFONSO, Pura, TOMASA, Oriol, GARCIA-VALLES, Maite, TARRAGO, Mariona and MARTÍNEZ, Salvador, 2022. Glass-ceramic crystallization from tailings of the Morille tungsten deposit, Spain. *Materials Letters*. April 2022. Vol. 312, p. 131694. DOI 10.1016/j.matlet.2022.131694.
* FILI, Thomas, QUINTANA-BUIL, Guillem and GONZÁLEZ-CINCA, Ricard, 2022. Spectral mass gauging in terrestrial gravity and microgravity conditions. *Acta Astronautica*. May 2022. Vol. 194, p. 174–184. DOI 10.1016/j.actaastro.2022.01.032.
* OLLÉ, M., RODRÍGUEZ, Ó. and SOLER, J., 2022. Study of the ejection/collision orbits in the spatial RTBP using the McGehee regularization. *Communications in Nonlinear Science and Numerical Simulation*. August 2022. Vol. 111, p. 106410. DOI 10.1016/j.cnsns.2022.106410.
* MANZINI, Enrico, VLACHO, Bogdan, FRANCH-NADAL, Josep, ESCUDERO, Joan, GÉNOVA, Ana, REIXACH, Elisenda, ANDRÉS, Erik, PIZARRO, Israel, PORTERO, José-Luis, MAURICIO, Dídac and PERERA-LLUNA, Alexandre, 2022. Longitudinal deep learning clustering of Type 2 Diabetes Mellitus trajectories using routinely collected health records. *Journal of Biomedical Informatics*. November 2022. Vol. 135, p. 104218. DOI 10.1016/j.jbi.2022.104218.
* JUANPERA, M., FERRER-MARTÍ, L. and PASTOR, R., 2022. Multi-stage optimization of rural electrification planning at regional level considering multiple criteria. Case study in Nigeria. *Applied Energy*. May 2022. Vol. 314, p. 118926. DOI 10.1016/j.apenergy.2022.118926.
* MARMOLEJO-DUARTE, Carlos and CHEN, Ai, 2022. The effect of energy performance ratings over residential prices or how an insufficient control of architectural-quality may render spurious conclusions. *Cities*. July 2022. Vol. 126, p. 103674. DOI 10.1016/j.cities.2022.103674.
* PAGÈS-ZAMORA, Alba, OCHOA, Idoia, CAVERO, Gonzalo Ruiz and VILLALVILLA-ORNAT, Pol, 2022. Unsupervised ensemble learning for genome sequencing. *Pattern Recognition*. September 2022. Vol. 129, p. 108721. DOI 10.1016/j.patcog.2022.108721.
* GRIFOLL, Manel, BORÉN, Clara and CASTELLS-SANABRA, Marcella, 2022. A comprehensive ship weather routing system using CMEMS products and A\* algorithm. *Ocean Engineering*. July 2022. Vol. 255, p. 111427. DOI 10.1016/j.oceaneng.2022.111427.
* RUÉ, Juanjo and WÖTZEL, Maximilian, 2022. Normal limiting distributions for systems of linear equations in random sets. *Linear Algebra and its Applications*. September 2022. Vol. 649, p. 122–151. DOI 10.1016/j.laa.2022.05.003.
* KAMAL, Ahmed and ANDUJAR, Carlos, 2022. Designing, testing and adapting navigation techniques for the immersive web. *Computers &amp; Graphics*. August 2022. Vol. 106, p. 66–76. DOI 10.1016/j.cag.2022.05.015.
* ROMERO, Daniel, BLANCO-ALMAZÁN, Dolores, GROENENDAAL, Willemijn, LIJNEN, Lien, SMEETS, Christophe, RUTTENS, David, CATTHOOR, Francky and JANÉ, Raimon, 2022. Predicting 6-minute walking test outcomes in patients with chronic obstructive pulmonary disease without physical performance measures. *Computer Methods and Programs in Biomedicine*. October 2022. Vol. 225, p. 107020. DOI 10.1016/j.cmpb.2022.107020.
* TOŠIĆ, Nikola, PERALTA MARTÍNEZ, Dorca, HAFEZ, Hisham, REYNVART, Igor, AHMAD, Muneer, LIU, Guanzhi and DE LA FUENTE, Albert, 2022. Multi-recycling of polypropylene fibre reinforced concrete: Influence of recycled aggregate properties on new concrete. *Construction and Building Materials*. September 2022. Vol. 346, p. 128458. DOI 10.1016/j.conbuildmat.2022.128458.
* RADOVIĆ, Andrija, HAFEZ, Hisham, TOŠIĆ, Nikola, MARINKOVIĆ, Snežana and DE LA FUENTE, Albert, 2022. ECO2 framework assessment of limestone powder concrete slabs and columns. *Journal of Building Engineering*. October 2022. Vol. 57, p. 104928. DOI 10.1016/j.jobe.2022.104928.
* GARCIA, Andrés, MAYANS, Berta, MARGELÍ, Carles, PAMPLONA, Ariadna, MOLAS, Cristina, MONRÀS, Júlia, ALPISTE, Francesc, TORNER, Jordi and SERRANCOLÍ, Gil, 2022. A feasibility study to assess the effectiveness of Muvity: A telerehabilitation system for chronic post-stroke subjects. *Journal of Stroke and Cerebrovascular Diseases*. November 2022. Vol. 31, no. 11, p. 106791. DOI 10.1016/j.jstrokecerebrovasdis.2022.106791.
* SANTILLÁN, N., SPERANZA, S., TORRENTS, J.M. and SEGURA, I., 2022. Evaluation of conductive concrete made with steel slag aggregates. *Construction and Building Materials*. December 2022. Vol. 360, p. 129515. DOI 10.1016/j.conbuildmat.2022.129515.
* SADROLODABAEE, Payam, CLARAMUNT, Josep, ARDANUY, Monica and DE LA FUENTE, Albert, 2023. Effect of accelerated aging and silica fume addition on the mechanical and microstructural properties of hybrid textile waste-flax fabric-reinforced cement composites. *Cement and Concrete Composites*. January 2023. Vol. 135, p. 104829. DOI 10.1016/j.cemconcomp.2022.104829.
* DOMÍNGUEZ-PUMAR, M., ROSERO-POZO, C., PONS-NIN, J., RAMOS-CASTRO, J., SZEWCZYK, D., JEŻOWSKI, A., SOLÀ-PEÑAFIEL, N., MANYOSA, X., BERMEJO, S. and JIMÉNEZ, V., 2022. Spherical probe for the thermophysical characterization of regoliths for planetary exploration using frequency methods. *Sensors and Actuators A: Physical*. December 2022. Vol. 348, p. 114018. DOI 10.1016/j.sna.2022.114018.
* BRADDELL, Roisin, KIESENHOFER, Anna and MIRANDA, Eva, 2022. b-Structures on Lie groups and Poisson reduction. *Journal of Geometry and Physics*. May 2022. Vol. 175, p. 104471. DOI 10.1016/j.geomphys.2022.104471.
* GAROLA, Alvar, LÓPEZ-DÓRIGA, Uxia and JIMÉNEZ, José A., 2022. The economic impact of sea level rise-induced decrease in the carrying capacity of Catalan beaches (NW Mediterranean, Spain). *Ocean &amp; Coastal Management*. March 2022. Vol. 218, p. 106034. DOI 10.1016/j.ocecoaman.2022.106034.
* CORRUCHAGA, Agustín, CASAL, Oriol, PALACIOS, Adriana and CASAL, Joaquim, 2022. Influence of wind speed and ammonia concentration on its evaporation rate from aqueous solution spills. *Journal of Loss Prevention in the Process Industries*. May 2022. Vol. 76, p. 104750. DOI 10.1016/j.jlp.2022.104750.
* CHEN, Yufen, SOLER, Lluís, ARMENGOL-PROFITÓS, Marina, XIE, Chenyang, CRESPO, Daniel and LLORCA, Jordi, 2022. Enhanced photoproduction of hydrogen on Pd/TiO2 prepared by mechanochemistry. *Applied Catalysis B: Environmental*. July 2022. Vol. 309, p. 121275. DOI 10.1016/j.apcatb.2022.121275.
* RODRIGUEZ, I. and CAMPO, A., 2023. Numerical investigation of forced convection heat transfer from a sphere at low Prandtl numbers. *International Journal of Thermal Sciences*. February 2023. Vol. 184, p. 107970. DOI 10.1016/j.ijthermalsci.2022.107970.
* ZEINALI, Reza, FRANCO, Lourdes, DEL VALLE, Luis J. and PUIGGALÍ, Jordi, 2022. Poly(butylene succinate) matrices obtained by thermally-induced phase separation: Pore shape and orientation affect drug release. *Polymer*. June 2022. Vol. 252, p. 124916. DOI 10.1016/j.polymer.2022.124916.
* VALERO, Jordi, PÉREZ-CASANY, Marta and DUARTE-LÓPEZ, Ariel, 2022. The Zipf-Polylog distribution: Modeling human interactions through social networks. *Physica A: Statistical Mechanics and its Applications*. October 2022. Vol. 603, p. 127680. DOI 10.1016/j.physa.2022.127680.
* CABANÉ, Albert, PELÀ, Luca and ROCA, Pere, 2022. Anisotropy and compressive strength evaluation of solid fired clay bricks by testing small specimens. *Construction and Building Materials*. August 2022. Vol. 344, p. 128195. DOI 10.1016/j.conbuildmat.2022.128195.
* MONTALÀ, M., GANESAN, K., CASAL, O., CORTINA, J.L., SANTARELLI, M. and VALDERRAMA, C., 2022. Energy, exergy and thermoeconomic analysis of an industrial solar pond. *Solar Energy*. August 2022. Vol. 242, p. 143–156. DOI 10.1016/j.solener.2022.07.014.
* VICARI, F., RANDAZZO, S., LÓPEZ, J., FERNÁNDEZ DE LABASTIDA, M., VALLÈS, V., MICALE, G., TAMBURINI, A., D’ALÌ STAITI, G., CORTINA, J.L. and CIPOLLINA, A., 2022. Mining minerals and critical raw materials from bittern: Understanding metal ions fate in saltwork ponds. *Science of The Total Environment*. November 2022. Vol. 847, p. 157544. DOI 10.1016/j.scitotenv.2022.157544.
* LEÓN, T., LÓPEZ, J., TORRES, R., GRAU, J., JOFRE, L. and CORTINA, J.-L., 2022. Describing ion transport and water splitting in an electrodialysis stack with bipolar membranes by a 2-D model: Experimental validation. *Journal of Membrane Science*. October 2022. Vol. 660, p. 120835. DOI 10.1016/j.memsci.2022.120835.
* MUÑOZ BLANC, Carlos, OBIOL SÁNCHEZ, Agustín and FORTEA NAVARRO, Inma, 2022. Evaluation of steel structures integrity in a post-fire condition: Case study of the Serradells sports centre in Andorra. *Fire Safety Journal*. October 2022. Vol. 133, p. 103668. DOI 10.1016/j.firesaf.2022.103668.
* IVARS, Salim B., BOTEY, Muriel, HERRERO, Ramon and STALIUNAS, Kestutis, 2022. Non-Hermitian control of optical turbulence in systems with fractional dispersion. *Chaos, Solitons &amp; Fractals*. December 2022. Vol. 165, p. 112774. DOI 10.1016/j.chaos.2022.112774.
* POLVARA, Elisa, GALLEGO, Eva, INVERNIZZI, Marzio, PERALES, José Francisco and SIRONI, Selena, 2023. Chemical characterization of odorous emissions: A comparative performance study of different sampling methods. *Talanta*. February 2023. Vol. 253, p. 124110. DOI 10.1016/j.talanta.2022.124110.
* JOUANNAUD, Jean-Pierre and OREJAS, Fernando, 2023. Unification of drags and confluence of drag rewriting. *Journal of Logical and Algebraic Methods in Programming*. February 2023. Vol. 131, p. 100845. DOI 10.1016/j.jlamp.2022.100845.
* STARNONI, M., 2023. Modeling oil–mist filtration through coalescence filter media in the presence of gravity-induced flows. *Journal of Aerosol Science*. March 2023. Vol. 169, p. 106129. DOI 10.1016/j.jaerosci.2022.106129.
* FIGUEIRA, Mariana, RODRÍGUEZ-JIMÉNEZ, Daniel, LÓPEZ, Julio, REIG, Mònica, CORTINA, José Luis and VALDERRAMA, César, 2023. Experimental and economic evaluation of nanofiltration as a pre-treatment for added-value elements recovery from seawater desalination brines. *Desalination*. March 2023. Vol. 549, p. 116321. DOI 10.1016/j.desal.2022.116321.
* CLEMENTE, Alejandro, CECILIA, Andreu and COSTA-CASTELLÓ, Ramon, 2023. Online state of charge estimation for a vanadium redox flow battery with unequal flow rates. *Journal of Energy Storage*. April 2023. Vol. 60, p. 106503. DOI 10.1016/j.est.2022.106503.

**2. Springer**

**Fitxer Springer dois a columna B**

* MUÑOZ, Jairo Alberto, CHAND, Mohan, SIGNORELLI, Javier Walter, CALVO, Jessica and CABRERA, José María, 2022. Strengthening of duplex stainless steel processed by equal channel angular pressing (ECAP). *The International Journal of Advanced Manufacturing Technology*. 27 October 2022. Vol. 123, no. 7–8, p. 2261–2278. DOI 10.1007/s00170-022-10311-2.
* RODRIGUEZ-DONAIRE, Silvia, GIL, Paulino, GARCIA-ALMIÑANA, Daniel, CRISP, Nicholas H., HERDRICH, Georg H., ROBERTS, Peter C. E., KATARIA, Dhiren, HANESSIAN, Virginia, BECEDAS, Jonathan and SEMINARI, Simon, 2022. Business roadmap for the European Union in the NewSpace ecosystem: a case study for access to space. *CEAS Space Journal*. 24 June 2022. Vol. 14, no. 4, p. 785–804. DOI 10.1007/s12567-022-00450-3.
* RYZHAKOV, P. B., MARTI, J. and DIALAMI, N., 2022. A Unified Arbitrary Lagrangian–Eulerian Model for Fluid–Structure Interaction Problems Involving Flows in Flexible Channels. *Journal of Scientific Computing*. 29 January 2022. Vol. 90, no. 3. DOI 10.1007/s10915-021-01748-w.
* AMINI, Elahe, VALLS, Cristina, YOUSEFI, Hossein and RONCERO, M. Blanca, 2023. Ionic Liquid/ZnO Assisted Preparation of High Barrier Cellulose Nanocomposite Films by In Situ Ring-Opening Polymerization of Lactide Monomers. *Journal of Polymers and the Environment*. 3 January 2023. DOI 10.1007/s10924-022-02740-7.
* PALAU, Rosa M., BERENGUER, Marc, HÜRLIMANN, Marcel and SEMPERE-TORRES, Daniel, 2022. Application of a fuzzy verification framework for the evaluation of a regional-scale landslide early warning system during the January 2020 Gloria storm in Catalonia (NE Spain). *Landslides*. 22 March 2022. Vol. 19, no. 7, p. 1599–1616. DOI 10.1007/s10346-022-01854-2.
* CASTELLÓN, Javier and LEDESMA, Alberto, 2022. Small Strains in Soil Constitutive Modeling. *Archives of Computational Methods in Engineering*. 7 June 2022. Vol. 29, no. 5, p. 3223–3280. DOI 10.1007/s11831-021-09697-1.
* GONZÁLEZ, José Antonio, GIULIANO, Mónica and PÉREZ, Silvia N., 2022. Measuring the effectiveness of online problem solving for improving academic performance in a probability course. *Education and Information Technologies*. 13 January 2022. Vol. 27, no. 5, p. 6437–6457. DOI 10.1007/s10639-021-10876-7.
* DELICADO, Pedro and PEÑA, Daniel, 2022. Understanding complex predictive models with ghost variables. *TEST*. 24 August 2022. DOI 10.1007/s11749-022-00826-x.
* ANGLADA, Martí, DE LUCAS, Enrique, PARCERISA, Joan-Manuel, ARAGÓN, Juan L. and GONZÁLEZ, Antonio, 2022. Dynamic sampling rate: harnessing frame coherence in graphics applications for energy-efficient GPUs. *The Journal of Supercomputing*. 10 April 2022. Vol. 78, no. 13, p. 14940–14964. DOI 10.1007/s11227-022-04413-7.
* SONG, Fei, RODRIGUEZ-DONO, Alfonso and SANCHEZ FARFAN, Patricio, 2022. Modelling underground excavations in rock masses with anisotropic time-dependent behaviour. *Geomechanics and Geophysics for Geo-Energy and Geo-Resources*. 16 August 2022. Vol. 8, no. 5. DOI 10.1007/s40948-022-00440-z.
* LANA, X., SERRA, C. and MARTÍNEZ, M. D., 2022. The effects of the climatic change on daily maximum and minimum temperatures along 102 years (1917–2018) recorded at the Fabra Observatory, Barcelona. *Theoretical and Applied Climatology*. 15 June 2022. Vol. 149, no. 3–4, p. 1373–1390. DOI 10.1007/s00704-022-04096-3.
* GARCÍA-TORRES, Jose, LÁZARO, Carmen, SYLLA, Dioulde, LANZALACO, Sonia, GINEBRA, Maria-Pau and ALEMÁN, Carlos, 2022. Combining 2D organic and 1D inorganic nanoblocks to develop free-standing hybrid nanomembranes for conformable biosensors. *Journal of Nanostructure in Chemistry*. 2 March 2022. DOI 10.1007/s40097-022-00482-5.
* RODRIGUEZ-DONAIRE, Silvia, GARCIA-ALMIÑANA, Daniel, GARCIA-BERENGUER, Marina, ROBERTS, Peter C. E., CRISP, Nicholas H., HERDRICH, George H., KATARIA, Dhiren, HANESSIAN, Virginia, BECEDAS, Jonathan and SEMINARI, Simon, 2022. Strategic similarities between earth observation small satellite constellations in very low earth orbit and low-cost carriers by means of strategy canvas. *CEAS Space Journal*. 24 August 2022. Vol. 14, no. 4, p. 767–784. DOI 10.1007/s12567-022-00462-z.
* MUIXÍ, Alba, ZLOTNIK, Sergio, CALVET, Pere, ESPANOL, Montserrat, LODOSO-TORRECILLA, Irene, GINEBRA, Maria-Pau, DÍEZ, Pedro and GARCÍA-GONZÁLEZ, Alberto, 2022. A multiparametric advection-diffusion reduced-order model for molecular transport in scaffolds for osteoinduction. *Biomechanics and Modeling in Mechanobiology*. 5 May 2022. Vol. 21, no. 4, p. 1099–1115. DOI 10.1007/s10237-022-01577-2.
* BERTRAN, Oscar, MARTÍ, Didac, TORRAS, Juan, TURON, Pau and ALEMÁN, Carlos, 2022. Computer simulations on oxidative stress-induced reactions in SARS-CoV-2 spike glycoprotein: a multi-scale approach. *Molecular Diversity*. 18 February 2022. Vol. 26, no. 6, p. 3143–3155. DOI 10.1007/s11030-021-10373-6.
* PUZYROV, Volodymyr, VAZQUEZ, Gisela Pujol and ZUPPA, Leonardo Acho, 2022. Analytical Scheme of Stability Analysis for 4-DoF Mechanical System Subjected to Friction-Induced Vibrations. *Journal of Vibration Engineering &amp; Technologies*. 16 September 2022. DOI 10.1007/s42417-022-00665-y.
* EL-GHAMRAWY, K., ZLOTNIK, S., AURICCHIO, F. and DÍEZ, P., 2022. Proper generalized decomposition solutions for composite laminates parametrized with fibre orientations. *Computational Mechanics*. 2 September 2022. Vol. 71, no. 1, p. 89–105. DOI 10.1007/s00466-022-02218-2.
* PARRA, Xileidys, TORT-MARTORELL, Xavier, ALVAREZ-GOMEZ, Fernando and RUIZ-VIÑALS, Carmen, 2022. Chronological Evolution of the Information-Driven Decision-Making Process (1950–2020). *Journal of the Knowledge Economy*. 1 March 2022. DOI 10.1007/s13132-022-00917-y.
* NÚÑEZ-ANDRÉS, M. Amparo, LANTADA ZARZOSA, Nieves and MARTÍNEZ-LLARIO, José, 2022. Spatial data infrastructure (SDI) for inventory rockfalls with fragmentation information. *Natural Hazards*. 1 March 2022. Vol. 112, no. 3, p. 2649–2672. DOI 10.1007/s11069-022-05282-2.
* ALFONSO, P., PENEDO, L. A., GARCÍA-VALLES, M., MARTÍNEZ, S., MARTÍNEZ, A. and TRUJILLO, J. E., 2022. Thermal behaviour of kaolinitic raw materials from San José (Oruro, Bolivia). *Journal of Thermal Analysis and Calorimetry*. 26 February 2022. Vol. 147, no. 9, p. 5413–5421. DOI 10.1007/s10973-022-11245-3.
* CARANDELL, Matias, TICHY, Jiri, SMILEK, Jan, TOMA, Daniel Mihai, GASULLA, Manel, DEL RÍO, Joaquín and HADAS, Zdenek, 2022. Electromagnetic rolling mass wave energy harvester for oceanic drifter applications. *The European Physical Journal Special Topics*. 5 March 2022. Vol. 231, no. 8, p. 1475–1484. DOI 10.1140/epjs/s11734-022-00499-5.
* BARJAU, Ana and BATLLE, Joaquim A., 2022. Predicting impact scenarios of a rimless wheel: a geometrical approach. *Nonlinear Dynamics*. 7 September 2022. Vol. 110, no. 4, p. 3209–3227. DOI 10.1007/s11071-022-07807-7.
* FANELLI, Claudia, KAOURI, Katerina, PHILLIPS, Timothy N., MYERS, Timothy G. and FONT, Francesc, 2022. Magnetic nanodrug delivery in non-Newtonian blood flows. *Microfluidics and Nanofluidics*. 4 September 2022. Vol. 26, no. 10. DOI 10.1007/s10404-022-02576-6.
* VALLS, Cristina, CUSOLA, Oriol and RONCERO, M. Blanca, 2022. Evaluating the potential of ozone in creating functional groups on cellulose. *Cellulose*. 28 June 2022. Vol. 29, no. 12, p. 6595–6610. DOI 10.1007/s10570-022-04694-4.
* ÁLVAREZ-DEL-CASTILLO, María Dolores, GARRIDO-SORIANO, Nuria, CASADESÚS, Marta, MACANÁS, Jorge, MOLINS-DURAN, Gemma and CARRILLO-NAVARRETE, Fernando, 2022. Environmental Impact of Chicken Feathers Based Polypropylene Composites Developed for Automotive and Stationary Applications and Comparison with Glass-Fibre Analogues. *Waste and Biomass Valorization*. 31 May 2022. Vol. 13, no. 11, p. 4585–4598. DOI 10.1007/s12649-022-01810-0.
* MOREIRA, Carlos A., CAICEDO, Manuel A., CERVERA, Miguel, CHIUMENTI, Michele and BAIGES, Joan, 2022. A multi-criteria h-adaptive finite-element framework for industrial part-scale thermal analysis in additive manufacturing processes. *Engineering with Computers*. 7 June 2022. Vol. 38, no. 6, p. 4791–4813. DOI 10.1007/s00366-022-01655-0.
* BEREG, Sergey, CHACÓN-RIVERA, Oscar P., FLORES-PEÑALOZA, David, HUEMER, Clemens, PÉREZ-LANTERO, Pablo and SEARA, Carlos, 2022. On maximum-sum matchings of points. *Journal of Global Optimization*. 21 June 2022. Vol. 85, no. 1, p. 111–128. DOI 10.1007/s10898-022-01199-z.
* JOFRE, Lluís and DOOSTAN, Alireza, 2022. Rapid aerodynamic shape optimization under uncertainty using a stochastic gradient approach. *Structural and Multidisciplinary Optimization*. 30 June 2022. Vol. 65, no. 7. DOI 10.1007/s00158-022-03293-y.
* BERNAT-MASO, Ernest and MERCEDES, Luis E., 2022. Piezoelectric elements subjected to low frequency excitation. Empirical determination of stress and frequency influence on piezoelectric parameters. *Microsystem Technologies*. 27 June 2022. Vol. 28, no. 8, p. 1897–1910. DOI 10.1007/s00542-022-05331-7.
* MORA, Mercè, SOUTO-SALORIO, María José and TARRÍO-TOBAR, Ana D., 2022. Resolving sets tolerant to failures in three-dimensional grids. *Mediterranean Journal of Mathematics*. 11 July 2022. Vol. 19, no. 4. DOI 10.1007/s00009-022-02096-1.
* SEGURA, Albert, ARNAU, Jose Maria and GONZALEZ, Antonio, 2022. Irregular accesses reorder unit: improving GPGPU memory coalescing for graph-based workloads. *The Journal of Supercomputing*. 18 July 2022. Vol. 79, no. 1, p. 762–787. DOI 10.1007/s11227-022-04621-1.
* SOLER-SAGARRA, Joaquim, CARRERA, Jesus, BONET, Enrique, ROIG, Carles and BECKER, Pablo, 2022. Modeling Mixing in Stratified Heterogeneous Media: The Role of Water Velocity Discretization in Phase Space Formulation. *Transport in Porous Media*. 11 August 2022. Vol. 146, no. 1–2, p. 395–412. DOI 10.1007/s11242-022-01795-3.
* FERNÁNDEZ, José R. and QUINTANILLA, Ramón, 2022. $$n^2$$ of dissipative couplings are sufficient to guarantee the exponential decay in elasticity. *Ricerche di Matematica*. 6 July 2022. DOI 10.1007/s11587-022-00719-z.
* JUAN, J. M., SANZ, J., GONZÁLEZ-CASADO, G., ROVIRA-GARCIA, A., TIMOTÉ, C. C. and ORÚS-PÉREZ, R., 2022. Applying the geodetic detrending technique for investigating the consistency of GPS L2P(Y) in several receivers. *Journal of Geodesy*. 26 October 2022. Vol. 96, no. 11. DOI 10.1007/s00190-022-01672-3.
* CASTRO, Jordi, 2022. New Interior-Point Approach for One- and Two-Class Linear Support Vector Machines Using Multiple Variable Splitting. *Journal of Optimization Theory and Applications*. 29 September 2022. DOI 10.1007/s10957-022-02103-1.
* ALEGRÍA, Carlos, ORDEN, David, SEARA, Carlos and URRUTIA, Jorge, 2022. Separating bichromatic point sets in the plane by restricted orientation convex hulls. *Journal of Global Optimization*. 10 October 2022. DOI 10.1007/s10898-022-01238-9.
* ALONSO, E., RAMON-TARRAGONA, A. and VERDA, L., 2022. Designing Tunnel Lining in Anhydritic Claystones. Intensity and Distribution of Swelling Forces. *Rock Mechanics and Rock Engineering*. 1 November 2022. DOI 10.1007/s00603-022-03107-z.
* M-SEARA, T., OLLÉ, M., RODRÍGUEZ, Ó. and SOLER, J., 2022. Generalized Analytical Results on n-Ejection–Collision Orbits in the RTBP. Analysis of Bifurcations. *Journal of Nonlinear Science*. 30 November 2022. Vol. 33, no. 1. DOI 10.1007/s00332-022-09873-y.
* SILINI, Riccardo, TIRABASSI, Giulio, BARREIRO, Marcelo, FERRANTI, Laura and MASOLLER, Cristina, 2022. Assessing causal dependencies in climatic indices. *Climate Dynamics*. 9 November 2022. DOI 10.1007/s00382-022-06562-0.
* OORTHUIS, Raül, HÜRLIMANN, Marcel, VAUNAT, Jean, MOYA, José and LLORET, Antonio, 2022. Monitoring the role of soil hydrologic conditions and rainfall for the triggering of torrential flows in the Rebaixader catchment (Central Pyrenees, Spain). *Landslides*. 14 November 2022. Vol. 20, no. 2, p. 249–269. DOI 10.1007/s10346-022-01975-8.
* DÍAZ-BOLADERAS, Marta, 2022. Bond formation with pet-robots: An integrative approach. *Current Psychology*. 2 November 2022. DOI 10.1007/s12144-022-03792-7.
* SÁEZ-COMET, Carlos, MUNTADA, Olga, LOZANO, Nekane, FONTDECABA, Enric, SOUSA, Patricia, LLOBET, Jordi, PEREZ-MURANO, Francesc, PUIGGALI, Jordi and DEL VALLE, Luis Javier, 2022. Three-level hierarchical micro/nanostructures on biopolymers by injection moulding using low-cost polymeric inlays. *The International Journal of Advanced Manufacturing Technology*. 1 December 2022. Vol. 124, no. 5–6, p. 1527–1535. DOI 10.1007/s00170-022-10338-5.
* VALDIVIESO, Juan Carlos, EAGLES, Paul F. J. and GIL, Joan Carles, 2022. Evaluation of the Impact of Policymakers’ Decisions in the Management Capacity of Protected Areas: Efficiency Evidence from Five Countries. *Environmental Management*. 19 November 2022. DOI 10.1007/s00267-022-01729-1.

**3. Wiley**

* PÉREZ‐ILLANES, Rodrigo and FERNÀNDEZ‐GARCIA, Daniel, 2022. Multiprocessing for the Particle Tracking Model MODPATH. Groundwater. 16 December 2022. DOI 10.1111/gwat.13279.
* MONTALBÁN TURON, Carlos and VARGAS ALZATE, Yeudy F., 2023. Special braced stairs versus typical braced frames. New architectural‐structural‐seismic approach to stair design. *The Structural Design of Tall and Special Buildings*. 26 January 2023. DOI 10.1002/tal.1997.
* THOMERE, Angélica, PLACIDI, Marcel, GUC, Maxim, TIWARI, Kunal, FONOLL‐RUBIO, Robert, IZQUIERDO‐ROCA, Victor, PEREZ‐RODRIGUEZ, Alejandro and LI‐KAO, Zacharie Jehl, 2022. 2‐step process for 5.4% CuGaSe2 solar cell using fluorine doped tin oxide transparent back contacts. *Progress in Photovoltaics: Research and Applications*. 13 December 2022. DOI 10.1002/pip.3656.
* LANZALACO, Sonia, MINGOT, Júlia, TORRAS, Juan, ALEMÁN, Carlos and ARMELIN, Elaine, 2023. Recent Advances in Poly(N‐isopropylacrylamide) Hydrogels and Derivatives as Promising Materials for Biomedical and Engineering Emerging Applications. *Advanced Engineering Materials*. 8 January 2023. P. 2201303. DOI 10.1002/adem.202201303.
* SOLÉ‐MARTÍ, Xavi, LABAY, Cédric, RAYMOND, Yago, FRANCH, Jordi, BENITEZ, Raul, GINEBRA, Maria‐Pau and CANAL, Cristina, 2022. Ceramic‐hydrogel composite as carrier for cold‐plasma reactive‐species: Safety and osteogenic capacity in vivo. *Plasma Processes and Polymers*. 13 October 2022. Vol. 20, no. 1, p. 2200155. DOI 10.1002/ppap.202200155.
* TRABUCCHI, Michela, FERNÀNDEZ‐GARCIA, Daniel and CARRERA, Jesús, 2022. The Worth of Stochastic Inversion for Identifying Connectivity by Means of a Long‐Lasting Large‐Scale Hydraulic Test: The Salar de Atacama Case Study. *Water Resources Research*. June 2022. Vol. 58, no. 6. DOI 10.1029/2021wr030676.
* FONTANA‐ESCARTÍN, Adrián, LANZALACO, Sonia, PÉREZ‐MADRIGAL, Maria M., BERTRAN, Oscar and ALEMÁN, Carlos, 2022. Electrochemical activation for sensing of three‐dimensional‐printed poly(lactic acid) using low‐pressure plasma. *Plasma Processes and Polymers*. 22 August 2022. Vol. 19, no. 12, p. 2200101. DOI 10.1002/ppap.202200101.
* ARNAU, Marc, SANS, Jordi, TURON, Pau and ALEMÁN, Carlos, 2022. Decarbonization of Polluted Air by Solar‐Driven CO2 Conversion into Ethanol Using Polarized Animal Solid Waste as Catalyst. *Advanced Sustainable Systems*. September 2022. Vol. 6, no. 12, p. 2200283. DOI 10.1002/adsu.202200283.
* AGUILAR, José Agustín, ANDRADE‐CETTO, Juan and HUSAR, Attila, 2022. Control‐oriented estimation of the exchange current density in PEM fuel cells via stochastic filtering. *International Journal of Energy Research*. 18 August 2022. Vol. 46, no. 15, p. 22516–22529. DOI 10.1002/er.8555.
* OLIVER‐CERVELLÓ, Lluís, MARTIN‐GÓMEZ, Helena, MANDAKHBAYAR, Nandin, JO, Young‐Woo, CAVALCANTI‐ADAM, Elisabetta Ada, KIM, Hae‐Won, GINEBRA, Maria‐Pau, LEE, Jung‐Hwan and MAS‐MORUNO, Carlos, 2022. Mimicking Bone Extracellular Matrix: From BMP‐2‐Derived Sequences to Osteogenic‐Multifunctional Coatings. *Advanced Healthcare Materials*. 15 August 2022. Vol. 11, no. 20, p. 2201339. DOI 10.1002/adhm.202201339.
* MARTÍNEZ‐ESTRADA, Marc, VENTURA, Heura, GIL, Ignacio and FERNÁNDEZ‐GARCÍA, Raúl, 2022. A Full Textile Capacitive Woven Sensor. *Advanced Materials Technologies*. 3 October 2022. Vol. 8, no. 1, p. 2200284. DOI 10.1002/admt.202200284.
* GIAROLA, Joseane M., AVILA, Julian A., CINTHO, Osvaldo M., PINTO, Haroldo C., DE OLIVEIRA, Marcelo F. and BOSE FILHO, Waldek W., 2022. The effect of hydrogen on the fracture toughness of friction‐stir welded API 5L X70 pipeline steels. *Fatigue &amp; Fracture of Engineering Materials &amp; Structures*. 10 August 2022. Vol. 45, no. 10, p. 3009–3024. DOI 10.1111/ffe.13799.
* JIMENEZ-ARGUIJO, Alex, NAVARRO GÜELL, Alejandro, SANCHEZ, Yudania, MALERBA, Claudia, VALENTINI, Matteo, BECKER, Pascal, CHOUBRAC, Leo, UNOLD, Thomas, JEHL LI-KAO, Zacharie, GIRALDO, Sergio and SAUCEDO, Edgardo, 2022. Small Atom Doping: A Synergistic Strategy to Reduce Sn Zn Recombination Center Concentration in Cu2 ZnSnSe4. *Solar RRL*. 9 September 2022. Vol. 6, no. 11, p. 2200580. DOI 10.1002/solr.202200580.
* BRADDELL, Roisin, KIESENHOFER, Anna and MIRANDA, Eva, 2022. A b$b$‐symplectic slice theorem. *Bulletin of the London Mathematical Society*. 3 August 2022. DOI 10.1112/blms.12713.
* DE SWART, Rinse L., RIBAS, Francesca, CALVETE, Daniel, SIMARRO, Gonzalo and GUILLÉN, Jorge, 2022. Observations of megacusp dynamics and their coupling with crescentic bars at an open, fetch‐limited beach. *Earth Surface Processes and Landforms*. 3 August 2022. Vol. 47, no. 13, p. 3180–3198. DOI 10.1002/esp.5451.
* LANA, Xavier, CASAS‐CASTILLO, M. Carmen, RODRÍGUEZ‐SOLÀ, Raül, PROHOM, Marc, SERRA, Carina, MARTÍNEZ, Maria Dolors and KIRCHNER, Ricard, 2022. Time trends, irregularity and multifractal structure on the monthly rainfall regime at Barcelona, NE Spain, years 1786–2019. *International Journal of Climatology*. 11 July 2022. Vol. 43, no. 1, p. 499–518. DOI 10.1002/joc.7786.
* BORRAS, Nuria, SÁNCHEZ‐JIMÉNEZ, Margarita, CASANOVAS, Jordi, ALEMÁN, Carlos and PÉREZ‐MADRIGAL, Maria M., 2022. Porous Poly(3,4‐ethylenedioxythiophene)‐Based Electrodes for Detecting Stress Biomarkers in Artificial Urine and Sweat. *Macromolecular Materials and Engineering*. 8 July 2022. Vol. 307, no. 10, p. 2200269. DOI 10.1002/mame.202200269.
* SOLTANALIPOUR, Milad, FERRER‐BALLESTER, Miquel, MARIMON CARVAJAL, Frederic, ALBAREDA VALLS, Albert, CASAFONT RIBERA, Miquel and IGLESIAS TOQUERO, Gorka, 2022. New shear transfer system for concrete‐filled steel tube (CFST) columns. *Steel Construction*. May 2022. Vol. 15, no. S1, p. 59–68. DOI 10.1002/stco.202100046.
* SAALTINK, Maarten W. and RODRÍGUEZ‐ESCALES, Paula, 2022. Modeling the Organic Carbon Oxidation and Redox Sequence Under the Partial‐Equilibrium Approach: A Discussion by Means of a Semi‐Analytical Solution. *Water Resources Research*. 28 June 2022. Vol. 58, no. 7. DOI 10.1029/2021wr031194.
* CHEAH‐MANE, Marc, EGEA‐ALVAREZ, Agusti, PRIETO‐ARAUJO, Eduardo, MEHRJERDI, Hasan, GOMIS‐BELLMUNT, Oriol and XU, Lie, 2022. Modeling and analysis approaches for small‐signal stability assessment of power‐electronic‐dominated systems. *WIREs Energy and Environment*. 19 June 2022. Vol. 12, no. 1. DOI 10.1002/wene.453.
* AYALA, Humberto, KAISER, Doreen, PAVÓN, Sandra, MOLINA, Estefanía, SIGUENZA, Joaquín, BERTAU, Martin and LAPO, Byron, 2022. Valorization of cocoa’s mucilage waste to ethanol and subsequent direct catalytic conversion into ethylene. *Journal of Chemical Technology &amp; Biotechnology*. 30 April 2022. Vol. 97, no. 8, p. 2171–2178. DOI 10.1002/jctb.7095.
* MAZON, Jordi, 2022. Transects of urban CO2 measurements on a bicycle‐based atmospheric sensor. *Weather*. 5 July 2022. Vol. 77, no. 10, p. 352–355. DOI 10.1002/wea.4243.
* FONOLL-RUBIO, Robert, PLACIDI, Marcel, HOELSCHER, Torsten, THOMERE, Angelica, LI-KAO, Zacharie Jehl, GUC, Maxim, IZQUIERDO-ROCA, Victor, SCHEER, Roland and PÉREZ-RODRÍGUEZ, Alejandro, 2022. Characterization of the Stability of Indium Tin Oxide and Functional Layers for Semitransparent Back‐Contact Applications on Cu(in,Ga)Se2Solar Cells. *Solar RRL*. 6 May 2022. Vol. 6, no. 7, p. 2101071. DOI 10.1002/solr.202101071.
* GROSSMANN, Florian, HURTHER, David, VAN DER ZANDEN, Joep, CÁCERES, Iván, SÁNCHEZ‐ARCILLA, Agustín and ALSINA, José M., 2022. Near‐Bed Sediment Transport During Offshore Bar Migration in Large‐Scale Experiments. *Journal of Geophysical Research: Oceans*. May 2022. Vol. 127, no. 5. DOI 10.1029/2021jc017756.
* CASTELLÓN, Javier and LEDESMA, Alberto, 2022. Development of a new advanced elastoplastic constitutive model that considers soil behavior at small strains. The EPHYSS model. *International Journal for Numerical and Analytical Methods in Geomechanics*. 23 May 2022. Vol. 46, no. 11, p. 1991–2032. DOI 10.1002/nag.3360.
* AIDAROV, Stanislav, TOŠIĆ, Nikola and DE LA FUENTE, Albert, 2022. A limit state design approach for hybrid reinforced concrete column‐supported flat slabs. *Structural Concrete*. 18 March 2022. Vol. 23, no. 6, p. 3444–3464. DOI 10.1002/suco.202100785.
* PUIG‐DE‐DOU, Ignasi, GONZÁLEZ IBÁÑEZ, Daniel and PUIG, Xavier, 2022. Ranking customers for marketing actions with a two‐stage Bayesian cluster and Pareto/NBD models. *Applied Stochastic Models in Business and Industry*. 25 March 2022. Vol. 38, no. 4, p. 609–619. DOI 10.1002/asmb.2677.
* TAMPIERI, Francesco, ARAGUZ, Ariadna G. and CANAL, Cristina, 2022. Can we remove tattoos with non‐thermal atmospheric plasma? *Plasma Processes and Polymers*. 23 February 2022. Vol. 19, no. 4, p. 2100188. DOI 10.1002/ppap.202100188.
* RAMONELL, Carlos and CHACÓN, Rolando, 2022. Open‐source terrestrial laser scanner for the virtualization of geometrical entities in AEC classrooms. *Computer Applications in Engineering Education*. 10 February 2022. Vol. 30, no. 4, p. 1009–1021. DOI 10.1002/cae.22499.

**4. American Chemical Society (ACS)**

* CAÑO, Ivan, VIDAL-FUENTES, Pedro, CALVO-BARRIO, Lorenzo, ALCOBÉ, Xavier, ASENSI, José Miguel, GIRALDO, Sergio, SÁNCHEZ, Yudania, JEHL, Zacharie, PLACIDI, Marcel, PUIGDOLLERS, Joaquim, IZQUIERDO-ROCA, Victor and SAUCEDO, Edgardo, 2022. Does Sb2Se3 Admit Nonstoichiometric Conditions? How Modifying the Overall Se Content Affects the Structural, Optical, and Optoelectronic Properties of Sb2Se3 Thin Films. *ACS Applied Materials &amp; Interfaces*. 1 March 2022. Vol. 14, no. 9, p. 11222–11234. DOI 10.1021/acsami.1c20764.
* BONAMIGO MOREIRA, Vitor, RINTJEMA, Jeroen, BRAVO, Fernando, KLEIJ, Arjan W., FRANCO, Lourdes, PUIGGALÍ, Jordi, ALEMÁN, Carlos and ARMELIN, Elaine, 2022. Novel Biobased Epoxy Thermosets and Coatings from Poly(limonene carbonate) Oxide and Synthetic Hardeners. *ACS Sustainable Chemistry &amp; Engineering*. 18 February 2022. Vol. 10, no. 8, p. 2708–2719. DOI 10.1021/acssuschemeng.1c07665.
* KRIVCHIKOV, Alexander I., JEŻOWSKI, Andrezj, SZEWCZYK, Daria, KOROLYUK, Oxsana A., ROMANTSOVA, Olesya O., BURAVTSEVA, Lubov M., CAZORLA, Claudio and TAMARIT, Josep Ll., 2022. Role of Optical Phonons and Anharmonicity in the Appearance of the Heat Capacity Boson Peak-like Anomaly in Fully Ordered Molecular Crystals. *The Journal of Physical Chemistry Letters*. 2 June 2022. Vol. 13, no. 22, p. 5061–5067. DOI 10.1021/acs.jpclett.2c01224.
* ROS, Eloi, TOM, Thomas, ROVIRA, David, LOPEZ, Julià, MASMITJÀ, Gerard, PUSAY, Benjamin, ALMACHE, Estefania, MARTIN, Isidro, JIMENEZ, Maykel, SAUCEDO, Edgardo, TORMOS, Eva, ASENSI, Jose Miguel, ORTEGA, Pablo, BERTOMEU, Joan, PUIGDOLLERS, Joaquim and VOZ, Cristobal, 2022. Expanding the Perspective of Polymeric Selective Contacts in Photovoltaic Devices Using Branched Polyethylenimine. *ACS Applied Energy Materials*. 5 September 2022. Vol. 5, no. 9, p. 10702–10709. DOI 10.1021/acsaem.2c01422.
* YAROSHCHUK, Andriy and ZHOLKOVSKIY, Emiliy, 2022. Streaming Potential with Ideally Polarizable Electron-Conducting Substrates. *Langmuir*. 4 August 2022. Vol. 38, no. 32, p. 9974–9980. DOI 10.1021/acs.langmuir.2c01305.
* ZHOU, Zizhen, CHU, Dewei, GAO, Bo, MOMMA, Toshiyuki, TATEYAMA, Yoshitaka and CAZORLA, Claudio, 2022. Tuning the Electronic, Ion Transport, and Stability Properties of Li-rich Manganese-based Oxide Materials with Oxide Perovskite Coatings: A First-Principles Computational Study. *ACS Applied Materials &amp; Interfaces*. 5 August 2022. Vol. 14, no. 32, p. 37009–37018. DOI 10.1021/acsami.2c07560.
* MORENA, Angela Gala, BASSEGODA, Arnau, NATAN, Michal, JACOBI, Gila, BANIN, Ehud and TZANOV, Tzanko, 2022. Antibacterial Properties and Mechanisms of Action of Sonoenzymatically Synthesized Lignin-Based Nanoparticles. *ACS Applied Materials &amp; Interfaces*. 12 August 2022. Vol. 14, no. 33, p. 37270–37279. DOI 10.1021/acsami.2c05443.
* BLANCO-FERNANDEZ, Barbara, REY-VINOLAS, Sergi, BAĞCI, Gülsün, RUBI-SANS, Gerard, OTERO, Jorge, NAVAJAS, Daniel, PEREZ-AMODIO, Soledad and ENGEL, Elisabeth, 2022. Bioprinting Decellularized Breast Tissue for the Development of Three-Dimensional Breast Cancer Models. *ACS Applied Materials &amp; Interfaces*. 23 June 2022. Vol. 14, no. 26, p. 29467–29482. DOI 10.1021/acsami.2c00920.
* BLANCO-FERNANDEZ, Barbara, IBAÑEZ-FONSECA, Arturo, ORBANIC, Doriana, XIMENES-CARBALLO, Celia, PEREZ-AMODIO, Soledad, RODRÍGUEZ-CABELLO, Jose Carlos and ENGEL, Elisabeth, 2023. Elastin-like Recombinamer Hydrogels as Platforms for Breast Cancer Modeling. *Biomacromolecules*. 4 January 2023. DOI 10.1021/acs.biomac.2c01080.
* LIU, Zhao, WANG, Biao and CAZORLA, Claudio, 2022. Strain Engineering of Two-Dimensional Piezophotocatalytic Materials for Improved Hydrogen Evolution Reaction. *ACS Sustainable Chemistry &amp; Engineering*. 6 December 2022. Vol. 10, no. 50, p. 16924–16934. DOI 10.1021/acssuschemeng.2c05838.
* HODÁSOVÁ, Ľudmila, MORENA, A. Gala, TZANOV, Tzanko, FARGAS, Gemma, LLANES, Luis, ALEMÁN, Carlos and ARMELIN, Elaine, 2022. 3D-Printed Polymer-Infiltrated Ceramic Network with Antibacterial Biobased Silver Nanoparticles. *ACS Applied Bio Materials*. 27 September 2022. DOI 10.1021/acsabm.2c00509.
* SANS, Jordi, ARNAU, Marc, ROA, Joan Josep, TURON, Pau and ALEMÁN, Carlos, 2022. Tailorable Nanoporous Hydroxyapatite Scaffolds for Electrothermal Catalysis. *ACS Applied Nano Materials*. 20 May 2022. Vol. 5, no. 6, p. 8526–8536. DOI 10.1021/acsanm.2c01915.
* LANZALACO, Sonia, GIL, Pau, MINGOT, Júlia, ÀGUEDA, Alba, ALEMÁN, Carlos and ARMELIN, Elaine, 2022. Dual-Responsive Polypropylene Meshes Actuating as Thermal and SERS Sensors. *ACS Biomaterials Science &amp; Engineering*. 2 June 2022. Vol. 8, no. 8, p. 3329–3340. DOI 10.1021/acsbiomaterials.2c00334.
* TORRAS, Juan, 2022. Building a Torsional Potential between Thiophene Rings to Illustrate the Basics of Molecular Modeling. *Journal of Chemical Education*. 14 November 2022. Vol. 100, no. 1, p. 395–401. DOI 10.1021/acs.jchemed.2c00733.
* EL HAUADI, Karima, RESINA, Leonor, ZANUY, David, ESTEVES, Teresa, FERREIRA, Frederico Castelo, PÉREZ-MADRIGAL, Maria M. and ALEMÁN, Carlos, 2022. Dendritic Self-assembled Structures from Therapeutic Charged Pentapeptides. *Langmuir*. 13 October 2022. Vol. 38, no. 42, p. 12905–12914. DOI 10.1021/acs.langmuir.2c02010.
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