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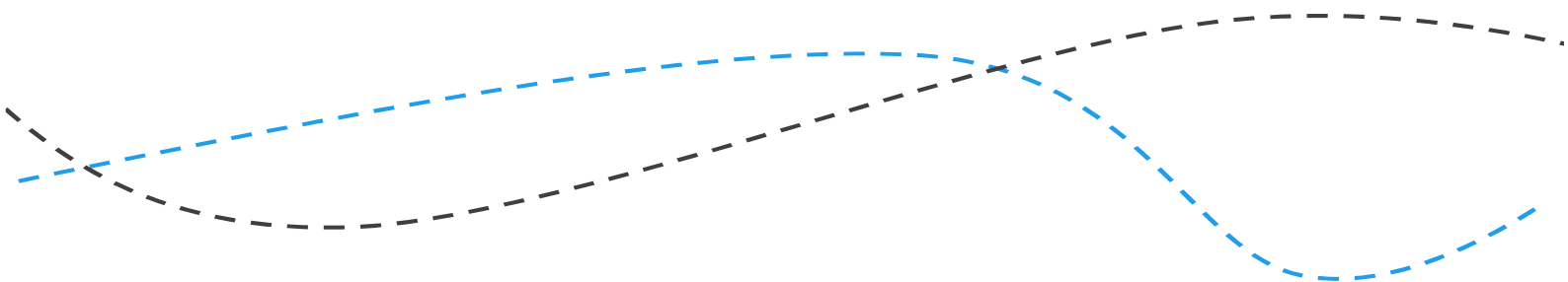


**ENGINY20**

**Biblioteca del Campus del Baix  
Llobregat**

**Informe mensual d'articles  
indexats a Scopus.**

**Desembre 2020**



## Base de dades Scopus. Desembre 2020<sup>1</sup>

### EETAC

**Alonso, M. T.**, Sanz, J., Juan, J. M., García, A. R., & Casado, G. G. (2020). Galileo broadcast ephemeris and clock errors analysis: 1 january 2017 to 31 july 2020. *Sensors (Switzerland)*, 20(23), 1-34. doi:[10.3390/s20236832](https://doi.org/10.3390/s20236832)



Arriaga, J., **Ribas, F.**, Falqués, A., Rutten, J., & Ruessink, G. (2020). Long-term performance of mega-nourishments: Role of directional wave climate and initial geometry. *Journal of Marine Science and Engineering*, 8(12), 1-21. doi:[10.3390/jmse8120965](https://doi.org/10.3390/jmse8120965)



Borraz-Martínez, S., **Tarrés, F.**, Boqué, R., Mestre, M., Simó, J., & Gras, A. (2020). Varietal quality control in the nursery plant industry using computer vision and deep learning techniques. *Journal of Chemometrics*, doi:[10.1002/cem.3320](https://doi.org/10.1002/cem.3320)

Carandell, M., Toma, D. M., Del Rio, J., & **Gasulla, M.** (2020). Optimum MPPT strategy for low-power pendulum-type wave energy converters. Paper presented at the *Proceedings of IEEE Sensors*, , 2020-October doi:[10.1109/SENSORS47125.2020.9278610](https://doi.org/10.1109/SENSORS47125.2020.9278610) Retrieved from [www.scopus.com](http://www.scopus.com)

Català, M., Alonso, S., **Alvarez-Lacalle, E.**, López, D., Cardona, P., & Prats, C. (2020). Empirical model for short-time prediction of COVID-19 spreading. *PLoS Computational Biology*, 16(12) doi:[10.1371/journal.pcbi.1008431](https://doi.org/10.1371/journal.pcbi.1008431)



**Collado, C.**, Gonzalez-Rodriguez, M., **Mateu, J.**, Perea-Robles, R., & Aigner, R. (2020). The input-output equivalent sources method for fast simulations of distributed nonlinearities in bulk acoustic wave resonators and filters. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, doi:[10.1109/TUFFC.2020.3046256](https://doi.org/10.1109/TUFFC.2020.3046256)

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<sup>1</sup> Articles obtinguts a la base de dades Scopus. Data de la cerca 11/01/2020

El-Mekkawi, A., Hesselbach, X., & **Piney, J. R.** (2020). Novel NFV aware network service for intelligent network slicing based on squatting-kicking model. *IEEE Access*, 8, 223041-223068. doi:[10.1109/ACCESS.2020.3044951](https://doi.org/10.1109/ACCESS.2020.3044951)



**Gonzalez-Blanco, L.**, Romero, E., & Marschall, P. (2020). Gas transport in granular compacted bentonite: Coupled hydro-mechanical interactions and microstructural features. Paper presented at the *E3S Web of Conferences*, , 195 doi:[10.1051/e3sconf/202019504008](https://doi.org/10.1051/e3sconf/202019504008)

Gonzalez-Rodriguez, M., **Collado, C.**, **Mateu, J.**, **Gonzalez-Arbesu, J. M.**, Huebner, S., & Aigner, R. (2020). Fast simulation method of distributed nonlinearities in surface acoustic wave resonators. Paper presented at the *IEEE International Ultrasonics Symposium, IUS*, , 2020-September doi:[10.1109/IUS46767.2020.9251549](https://doi.org/10.1109/IUS46767.2020.9251549)

**Herranz, J.** (2020). Attacking pairing-free attribute-based encryption schemes. *IEEE Access*, 8, 222226-222232. doi:[10.1109/ACCESS.2020.3044143](https://doi.org/10.1109/ACCESS.2020.3044143)



**Leyva-Pupo, I.**, **Cervelló-Pastor, C.**, Anagnostopoulos, C., & Pezaros, D. P. (2020). Dynamic scheduling and optimal reconfiguration of UPF placement in 5G networks. Paper presented at the *MSWiM 2020 - Proceedings of the 23rd International ACM Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems*, 103-111. doi:[10.1145/3416010.3423221](https://doi.org/10.1145/3416010.3423221)

Perea-Robles, R., **Mateu, J.**, **Collado, C.**, & Aigner, R. (2020). Nonlinear performance on acoustic transversal filters. Paper presented at the *IEEE International Ultrasonics Symposium, IUS, 2020-September* doi:[10.1109/IUS46767.2020.9251415](https://doi.org/10.1109/IUS46767.2020.9251415)

Pous, M., Azpurua, M., **Quilez, M.**, Mateu, M., Fernandez-Chimeno, M., & Silva, F. (2020). Electromagnetic characterization of 3D printed antennas employing conductive filament. Paper presented at the *Proceedings of the 2020 International Symposium on Electromagnetic Compatibility - EMC EUROPE, EMC EUROPE 2020*, doi:[10.1109/EMCEUROPE48519.2020.9245671](https://doi.org/10.1109/EMCEUROPE48519.2020.9245671)

**Rebassa-Mansergas, A.**, Toonen, S., **Torres, S.**, & Canals, P. (2020). The effects of unresolved double degenerates in the white dwarf luminosity function. *Monthly Notices of the Royal Astronomical Society*, 491(4), 5671-5681. doi:[10.1093/mnras/stz3371](https://doi.org/10.1093/mnras/stz3371)



Ren, J, Raddi, R., **Rebassa-Mansergas, A.**, Hernandez, M. S., Parsons, S. G., Irawati, P., . . . Tian, H. (2020). The white dwarf binary pathways survey. V. the gaia white dwarf plus AFGK binary sample and the identification of 23 close binaries. *Astrophysical Journal*, 905(1) doi:[10.3847/1538-4357/abc017](https://doi.org/10.3847/1538-4357/abc017)

**Reverter, F.** (2020). A microcontroller-based interface circuit for non-linear resistive sensors. *Measurement Science and Technology*, 32(2) doi:[10.1088/1361-6501/abb894](https://doi.org/10.1088/1361-6501/abb894)

Sáez, R., **Prats, X.**, Polishchuk, T., & Polishchuk, V. (2020). Traffic synchronization in terminal airspace to enable continuous descent operations in trombone sequencing and merging procedures: An implementation study for frankfurt airport. *Transportation Research Part C: Emerging Technologies*, 121 doi:[10.1016/j.trc.2020.102875](https://doi.org/10.1016/j.trc.2020.102875)

Udaondo, C., **Collado, C.**, **Mateu, J.**, & Garcia-Pastor, D. (2020). An equivalent model for lateral modes on the H2 response of bulk acoustic wave resonators. Paper presented at the *IEEE International Ultrasonics Symposium, IUS, , 2020-September* doi:[10.1109/IUS46767.2020.9251801](https://doi.org/10.1109/IUS46767.2020.9251801)

Wang, T., & **Gilabert, P. L.** (2020). Mesh-selecting for computational efficient PA behavioral modeling and DPD linearization. *IEEE Microwave and Wireless Components Letters*, doi:[10.1109/LMWC.2020.3035288](https://doi.org/10.1109/LMWC.2020.3035288)

## DEAB<sup>2</sup>

Borraz-Martínez, S., Tarrés, F., Boqué, R., Mestre, M., Simó, J., & **Gras, A.** (2020). Varietal quality control in the nursery plant industry using computer vision and deep learning techniques. *Journal of Chemometrics*, doi:[10.1002/cem.3320](https://doi.org/10.1002/cem.3320)

Dantas, A., Verruck, S., de Liz, G. R., **Hernandez, E.**, & Prudencio, E. S. (2020). Lactose-free skim milk and prebiotics as carrier agents of bifidobacterium BB-12 microencapsulation:

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<sup>2</sup> Personal permanent i lectors.

Physicochemical properties, survival during storage and in vitro gastrointestinal condition behaviour. *International Journal of Food Science and Technology*, doi:[10.1111/ijfs.14823](https://doi.org/10.1111/ijfs.14823)

Mariem, S. B., Gámez, A. L., Larraya, L., Fuertes-Mendizabal, T., **Cañameras, N.**, Araus, J. L., McGrath, S. P., Hawkesford, M. J., Murua, C. G., Gaudeul, M., Medina, L., Paton, A., Cattivelli, L., Fangmeier, A., Bunce, J., Tausz-Posch, S., Macdonald, A. J. & Aranjuelo, I. (2020). Assessing the evolution of wheat grain traits during the last 166 years using archived samples. *Scientific Reports*, 10(1) doi:[10.1038/s41598-020-78504-x](https://doi.org/10.1038/s41598-020-78504-x)

Michael, C., **Gil, E.**, Gallart, M., & Stavrinides, M. C. (2020). Influence of spray technology and application rate on leaf deposit and ground losses in mountain viticulture. *Agriculture (Switzerland)*, 10(12), 1-18. doi:[10.3390/agriculture10120615](https://doi.org/10.3390/agriculture10120615)

Monier-Dilhan, S., Poméon, T., Böhm, M., Brečić, R., Csillag, P., Donati, M., Ferrer-Pérez, H., Gauvrit, L., **Gil, J. M.**, Hoàng, V., Lilavanichakul, A., Majewski, E., Malak-Rawlikowska, A., Mattas, K., Napasintuwong, O., Nguy, N. A. Q., Nikolaou, K., Papadopoulos, I., Pascucci, S., Peerlings, J., Ristic, B., Steinnes, K., Stojanovic, Z., Tomić Maksan, M., Török, Á., Veneziani, M., Vittersø, G. & Bellassen, V. (2020). Do food quality schemes and net price premiums go together? *Journal of Agricultural and Food Industrial Organization*, doi:[10.1515/jafio-2019-0044](https://doi.org/10.1515/jafio-2019-0044)

## EEABB (no DEAB)

Ben Mbarek, W., Saurina, J., Escoda, L., **Pineda, E.**, Khitouni, M., & Suñol, J. -. (2020). Effects of the addition of fe, co on the azo dye degradation ability of mn-al mechanically alloyed powders. *Metals*, 10(12), 1-16. doi:[10.3390/met10121578](https://doi.org/10.3390/met10121578)

**Borraz-Martínez, S.**, Tarrés, F., Boqué, R., Mestre, M., **Simó, J.**, & Gras, A. (2020). Varietal quality control in the nursery plant industry using computer vision and deep learning techniques. *Journal of Chemometrics*, doi:[10.1002/cem.3320](https://doi.org/10.1002/cem.3320)



**Català, M.**, Alonso, S., Alvarez-Lacalle, E., **López, D.**, Cardona, P., & **Prats, C.** (2020). Empirical model for short-time prediction of COVID-19 spreading. *PLoS Computational Biology*, 16(12) doi:[10.1371/journal.pcbi.1008431](https://doi.org/10.1371/journal.pcbi.1008431)

Michael, C., Gil, E., **Gallart, M.**, & Stavrinides, M. C. (2020). Influence of spray technology and application rate on leaf deposit and ground losses in mountain viticulture. *Agriculture (Switzerland)*, 10(12), 1-18. doi:[10.3390/agriculture10120615](https://doi.org/10.3390/agriculture10120615)



Wederni, A., Ipatov, M., **Pineda, E.**, Escoda, L., González, J., Khitouni, M., & Suñol, J. (2020). Martensitic transformation, thermal analysis and magnetocaloric properties of ni-mn-sn-pd alloys. *Processes*, 8(12), 1-13. doi:[10.3390/pr8121582](https://doi.org/10.3390/pr8121582)

