



Biblioteca del Campus del Baix Llobregat
UNIVERSITAT POLITÈCNICA DE CATALUNYA



ENGINY20

Biblioteca del Campus del Baix Llobregat

**Informe mensual d'articles
publicats.**

Two decorative dashed lines, one blue and one black, that curve across the page, framing the text below.

Juny, juliol i agost 2019

Informe mensual d'articles publicats Campus Baix Llobregat. Base de dades Scopus. Juny, juliol i agost 2019¹

EETAC

An, B., Bergada, J. M., & [Mellibovsky, F.](#) (2019). The lid-driven right-angled isosceles triangular cavity flow. *Journal of Fluid Mechanics*, 875, 476-519. doi:[10.1017/jfm.2019.512](#)

Areekath, L., George, B., & [Reverter, F.](#) (2019). An extended study on an interference-insensitive switched capacitor CDC. *IEEE Sensors Journal*, 19(18), 8283-8292. doi:[10.1109/JSEN.2019.2917760](#)

[Ball, S.](#), & Lavrauw, M. (2019). Arcs and tensors. *Designs, Codes, and Cryptography*, doi:[10.1007/s10623-019-00668-z](#)

Ballesteros, C., Maestre, M., [Santos, M. C.](#), Romeu, J., & Jofre, L. (2019). [An architecture analysis for millimeter-wave optically steerable antenna array](#). Paper presented at the *13th European Conference on Antennas and Propagation, EuCAP 2019*

Barriendos, M., Gil-Guirado, S., [Pino, D.](#), Tuset, J., Pérez-Morales, A., Alberola, A., Costa, J., Balasch, J.C., Castellort, X., [Mazón, J.](#), Ruiz-Bellet, J. L. (2019). Climatic and social factors behind the spanish mediterranean flood event chronologies from documentary sources (14th–20th centuries). *Global and Planetary Change*, 182 doi:[10.1016/j.gloplacha.2019.102997](#)

Carrizo, C. E., Calvo, R. M., & [Belmonte, A.](#) (2019). Proof of concept for adaptive sequential optimization of free-space communication receivers. *Applied Optics*, 58(20), 5397-5403. doi:[10.1364/AO.58.005397](#)

¹ Articles obtinguts a la base de dades Scopus. Data de la cerca 03/09/2019

- Dalmau, R., [Prats, X.](#), Verhoeven, R., Bussink, F., & Heesbeen, B. (2019). Comparison of various guidance strategies to achieve time constraints in optimal descents. *Journal of Guidance, Control, and Dynamics*, 42(7), 1612-1621. doi:[10.2514/1.G004019](#)
- Fas-Millán, M, & [Pastor, E.](#) (2019). Dynamic workload management for multi-RPAS pilots. *International Review of Aerospace Engineering*, 12(2), 57-69. doi:[10.15866/irease.v12i2.15334](#)
- Garcia-Pastor, D., [Mateu, J.](#), [Collado, C.](#), Perea-Robles, R., Gonzalez-Rodriguez, M., & [Gonzalez-Arbesu, J. M.](#) (2019). [Comprehensive nonlinear characterization and modeling of a BAW duplexer](#). Paper presented at the *IEEE MTT-S International Microwave Symposium Digest*, , 2019-June 857-860.
- [Gilabert, P. L.](#), Lopez-Bueno, D., & [Montoro, G.](#) (2019). Spectral weighting orthogonal matching pursuit algorithm for enhanced out-of-band digital predistortion linearization. *IEEE Transactions on Circuits and Systems II: Express Briefs*, 66(7), 1277-1281. doi:[10.1109/TCSII.2018.2878581](#)
- Hernández-Chulde, C., & [Cervelló-Pastor, C.](#) (2019). *Intelligent optimization and machine learning for 5G network control and management* doi:[10.1007/978-3-030-24299-2_33](#)
- [Huemer, C.](#), Lara, D., & Rubio-Montiel, C. (2019). Coloring decompositions of complete geometric graphs. *Acta Mathematica Hungarica*, doi:[10.1007/s10474-019-00963-0](#)
- [Huemer, C.](#), Pilz, A., & Silveira, R. I. (2019). A new lower bound on the maximum number of plane graphs using production matrices. *Computational Geometry: Theory and Applications*, 84, 36-49. doi:[10.1016/j.comgeo.2019.07.005](#)
- Kusch, C., [Rué, J.](#), Spiegel, C., & Szabó, T. (2019). On the optimality of the uniform random strategy. *Random Structures and Algorithms*, 55(2), 371-401. doi:[10.1002/rsa.20829](#)
- Lopez-Menchon, H., Martinez, S. R., [Santos, M. C.](#), Romeu, J., & Rius, J. M. (2019). [A model for photocurrent generation in photoconductive antennas](#). Paper presented at the *13th European Conference on Antennas and Propagation, EuCAP 2019*.



- Lopez-Menchon, H., Rius, J. M., [Ubeda, E.](#), & Heldring, A. (2019). [Geometric algebra formulation of the calderón projector](#). Paper presented at the *13th European Conference on Antennas and Propagation, EuCAP 2019*.
- Maiza, C., Rihani, H., Rivas, J. M., Goossens, J., [Altmeyer, S.](#), & Davis, R. I. (2019). A survey of timing verification techniques for multi-core real-time systems. *ACM Computing Surveys*, 52(3) doi:[10.1145/3323212](#)
- [Massignan, P.](#), & Fetter, A. L. (2019). Superfluid vortex dynamics on planar sectors and cones. *Physical Review A*, 99(6) doi:[10.1103/PhysRevA.99.063602](#)
- Messmer, D., [Bertran, O.](#), Kissner, R., Alemán, C., & Schlüter, A. D. (2019). Main-chain scission of individual macromolecules induced by solvent swelling. *Chemical Science*, 10(24), 6125-6139. doi:[10.1039/c9sc01639b](#)
- Molina, F., Sala-Alvarez, J., Rey, F., & [Villares, J.](#) (2019). Channel-aware energy allocation for throughput maximization in massive low-rate multiple access. Paper presented at the *IEEE International Conference on Communications, , 2019-May* doi:[10.1109/ICC.2019.8761084](#)
- Montanaro, U., Costa-Castelló, R., [Olm, J. M.](#), & Barros, C. L. (2019). Experimental validation of a continuous-time MCSI algorithm with bounded adaptive gains. *Journal of the Franklin Institute*, 356(12), 5881-5897. doi:[10.1016/j.jfranklin.2019.03.012](#)
- Navarro-Ortiz, J., [Cervelló-Pastor, C.](#), Stea, G., Costa-Perez, X., & Triay, J. (2019). Testbeds for future wireless networks. *Wireless Communications and Mobile Computing*, 2019 doi:[10.1155/2019/2382471](#)
- Novaes, G. M., Campos, J. O., [Alvarez-Lacalle, E.](#), Muñoz, S. A., Rocha, B. M., & dos Santos, R. W. (2019). *Combining polynomial chaos expansions and genetic algorithm for the coupling of electrophysiological models* doi:[10.1007/978-3-030-22744-9_9](#)
- Oikonomakou, M., Antonopoulos, A., [Alonso, L.](#), & Verikoukis, C. (2019). Energy sharing and trading in multi-operator heterogeneous network deployments. *IEEE Transactions on Vehicular Technology*, 68(5), 4975-4988. doi:[10.1109/TVT.2019.2902925](#)



- Perpiñà, X., [Reverter, F.](#), León, J., Barajas, E., Vellvehi, M., Jordà, X., & Altet, J. (2019). Output power and gain monitoring in RF CMOS class A power amplifiers by thermal imaging. *IEEE Transactions on Instrumentation and Measurement*, 68(8), 2861-2870. doi:[10.1109/TIM.2018.2871289](#)
- Perpinyà-Vallès, M., [Rebassa-Mansergas, A.](#), Gänsicke, B. T., Toonen, S., Hermes, J. J., Gentile Fusillo, N. P., & Tremblay, P. (2019). Discovery of the first resolved triple white dwarf. *Monthly Notices of the Royal Astronomical Society*, 483(1), 901-907. doi:[10.1093/mnras/sty3149](#)
- Peterson, S., Lopez, J., & Munjy, R. (2019). Comparison of UAV Imagery-Derived Point Cloud to Terrestrial Laser Scanner Point Cloud. Paper presented at the *ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, 4(2/W5) 149-155. doi:[10.5194/isprs-annals-IV-2-W5-149-2019](#)
- Pitta, S., [Rojas, J. I.](#), Crespo, D., & Wahab, M. A. (2019). *Fatigue life analysis of un-repaired and repaired metallic substrate using FRANC2D* doi:[10.1007/978-981-13-0411-8_50](#)
- [Rebassa-Mansergas, A.](#), Toonen, S., Korol, V., & [Torres, S.](#) (2019). Where are the double-degenerate progenitors of type Ia supernovae? *Monthly Notices of the Royal Astronomical Society*, 482(3), 3656-3668. doi:[10.1093/mnras/sty2965](#)
- [Serrano-Finetti, E.](#), Aliau-Bonet, C., [López-Lapeña, O.](#), & [Pallàs-Areny, R.](#) (2019). Cost-effective autonomous sensor for the long-term monitoring of water electrical conductivity of crop fields. *Computers and Electronics in Agriculture*, 165. doi:[10.1016/j.compag.2019.104940](#)
- Sgambelluri, A., Moreno, X. C., [Spadaro, S.](#), & Monti, P. (2019). Evaluating link latency in distributed SDN-based control plane architectures. Paper presented at the *IEEE International Conference on Communications, 2019-May*. doi:[10.1109/ICC.2019.8761961](#)
- [Torres, S.](#), Cantero, C., [Rebassa-Mansergas, A.](#), Skorobogatov, G., Jiménez-Esteban, F. M., & Solano, E. (2019). Random forest identification of the thin disc, thick disc, and halo



gaia-DR2 white dwarf population. *Monthly Notices of the Royal Astronomical Society*, 485(4), 5573-5589. doi:[10.1093/mnras/stz814](https://doi.org/10.1093/mnras/stz814)

[Ubeda, E.](#), Sekulic, I., & Rius, J. M. (2019). [Grid-robust discretization of integral equations in the electromagnetic scattering analysis of homogeneous targets with geometric singularities](#). Paper presented at the 13th European Conference on Antennas and Propagation, EuCAP 2019.

DEAB

Antonioli, F., Ben Kaabia, M., Arfini, F., & [Gil, J. M.](#) (2019). Price transmission dynamics for quality-certified food products: A comparison between conventional and organic fluid milk in Italy. *Agribusiness*, 35(3), 374-393. doi:[10.1002/agr.21568](https://doi.org/10.1002/agr.21568)

Borraz-Martínez, S., Boqué, R., [Simó, J.](#), Mestre, M., & [Gras, A.](#) (2019). Development of a methodology to analyze leaves from *Prunus dulcis* varieties using near infrared spectroscopy. *Talanta*, 204, 320-328. doi:[10.1016/j.talanta.2019.05.105](https://doi.org/10.1016/j.talanta.2019.05.105)

Díaz-Ruiz, R., Costa-Font, M., López-i-Gelats, F., & [Gil, J. M.](#) (2019). Food waste prevention along the food supply chain: A multi-actor approach to identify effective solutions. *Resources, Conservation and Recycling*, 149, 249-260. doi:[10.1016/j.resconrec.2019.05.031](https://doi.org/10.1016/j.resconrec.2019.05.031)

Dogbe, W., & [Gil, J. M.](#) (2019). Linking risk attitudes, time preferences, and body mass index in Catalonia. *Economics and Human Biology*, 35, 73-81. doi:[10.1016/j.ehb.2019.05.005](https://doi.org/10.1016/j.ehb.2019.05.005)

González-Flor, C., Serrano, L., & [Gorchs, G.](#) (2019). Use of reflectance indices to assess vine water status under mild to moderate water deficits. *Agronomy*, 9(7) doi:[10.3390/agronomy9070346](https://doi.org/10.3390/agronomy9070346)

Pejman, N., [Kallas, Z.](#), Dalmau, A., & Velarde, A. (2019). Should animal welfare regulations be more restrictive? A case study in eight European Union countries. *Animals*, 9(4) doi:[10.3390/ani9040195](https://doi.org/10.3390/ani9040195)



- [Reig, L.](#), Escobar, C., Carrassón, M., Constenla, M., [Gil, J. M.](#), Padrós, F., Piferrer, F., [Flos, R.](#) (2019). Aquaculture perceptions in the barcelona metropolitan area from fish and seafood wholesalers, fishmongers, and consumers. *Aquaculture*, 510, 256-266. doi:[10.1016/j.aquaculture.2019.05.066](https://doi.org/10.1016/j.aquaculture.2019.05.066)
- Reixach, R., [Claramunt, J.](#), Chamorro, M. A., Llorens, J., Pareta, M. M., Tarrés, Q., Mutjé, P., Delgado-Aguilar, M. (2019). On the path to a new generation of cement-based composites through the use of lignocellulosic micro/nanofibers. *Materials*, 12(10) doi:[10.3390/ma12101584](https://doi.org/10.3390/ma12101584)
- Rincón, E., [Serrano, L.](#), Balu, A. M., Aguilar, J. J., Luque, R., & García, A. (2019). Effect of bay leaves essential oil concentration on the properties of biodegradable carboxymethyl cellulose-based edible films. *Materials*, 12(15) doi:[10.3390/ma12152356](https://doi.org/10.3390/ma12152356)
- Salcedo, R., Pons, P., Llop, J., Zaragoza, T., Campos, J., Ortega, P., [Gallart, M.](#), [Gil, E.](#) (2019). Dynamic evaluation of airflow stream generated by a reverse system of an axial fan sprayer using 3D-ultrasonic anemometers. effect of canopy structure. *Computers and Electronics in Agriculture*, 163. doi:[10.1016/j.compag.2019.06.006](https://doi.org/10.1016/j.compag.2019.06.006)
- Sans, S., Bobo, G., Zudaire, L., Lafarga, T., Sabaté, J., [Casals, J.](#), & [Simó, J.](#) (2019). Nutritional values of raw and cooked 'calçots' (allium cepa L. resprouts), an expanding crop. *Journal of the Science of Food and Agriculture*, 99(11), 4985-4992. doi:[10.1002/jsfa.9733](https://doi.org/10.1002/jsfa.9733)
- Santini, F., [Serrano, L.](#), Kefauver, S. C., Abdullah-Al, M., Aguilera, M., Sin, E., & Voltas, J. (2019). Morpho-physiological variability of pinus nigra populations reveals climate-driven local adaptation but weak water use differentiation. *Environmental and Experimental Botany*, 166. doi:[10.1016/j.envexpbot.2019.103828](https://doi.org/10.1016/j.envexpbot.2019.103828)
- Torres, M. A. O., [Kallas, Z.](#), Herrera, S. I. O., & Guesmi, B. (2019). Is technical efficiency affected by farmers' preference for mitigation and adaptation actions against climate change? A case study in northwest mexico. *Sustainability (Switzerland)*, 11(12) doi:[10.3390/su11123291](https://doi.org/10.3390/su11123291)



