

Num	Document Title	Authors	Year	Source
1.	Effect of the phosphonomethylene moiety on the structural, vibrational, energetic, thermodynamic and optical proprieties of ((Phenylcarbamoylmethyl-	Kirouani, I., Hellal, A., Haddadi, I., (...), Touafri, L., Bensouici, C.	2020	<i>Journal of Molecular Structure</i> , 1215, art. no. 128193.
2.	Numerical and experimental study of the heat transfer and hydraulic performance of solar air heaters with different baffle positions	Bensaci, C.-E., Moummi, A., Sanchez de la Flor, F.J., (...), Rincon-Casado, A., Ruiz-Pardo, A.	2020	<i>Renewable Energy</i> , 155, pp. 1231-1244.
3.	Chemical, morphological and optical properties of undoped and Cu-doped ZnO thin films submitted to UHV treatment	Guezzoul, M., Bouslama, M., Ouerdane, A., (...), Baizid, A., Halati, M.S.	2020	<i>Applied Surface Science</i> , 520, art. no. 146302.
4.	QSAR investigations and structure-based virtual screening on a series of nitrobenzoxadiazole derivatives targeting human glutathione-S-transferases	Almi, I., Belaidi, S., Zerroug, E., (...), Linguerri, R., Hochlaf, M.	2020	<i>Journal of Molecular Structure</i> , 1211, art. no. 128015.
5.	Comparative study of conventional and inverted P3HT: PCBM organic solar cell	Abdallaoui, M., Sengouga, N., Chala, A., Meftah, A.F., Meftah, A.M.	2020	<i>Optical Materials</i> , 105, art. no. 109916.
6.	Elastoplastic analysis of plane structures using improved membrane finite element with rotational dofs	Ayoub, A., Kamel, M., Lakhdar, S.	2020	<i>Frattura ed Integrità Strutturale</i> , 14(52), pp. 148-162.
7.	Effect of TiO₂-nanoparticles on ni electrodeposition on copper wire	Saad, S., Boumerzoug, Z., Helbert, A.L., Brisset, F., Baudin, T.	2020	<i>Metals</i> , 10(3), art. no. 406.
8.	Exact solution of Schrödinger equation in (anti-)de Sitter spaces for hydrogen atom	Falek, M., Belghar, N., Moumni, M.	2020	<i>European Physical Journal Plus</i> , 135(3), art. no. 335.
9.	Ultrasonic evaluation of cement-based building materials modified using marble powder sourced from industrial wastes	Seghir, N.T., Benaimeche, O., Krzywinski, K., Sadowski, L.	2020	<i>Buildings</i> , 10(3), art. no. 38.
10.	Numerical solution of flows over a trapezoidal obstacles	Laiadi, A.	2020	<i>Proceedings of the 2020 International Conference on Mathematics and Information Technology, ICMIT 2020</i> , art. no. 9046993, pp. 121-124.
11.	Bias and RMSE of Archimedean Copula using Moment and L-Moments Methods	Idiou, N., Benatia, F., Brahimi, B.	2020	<i>Proceedings of the 2020 International Conference on Mathematics and Information Technology, ICMIT 2020</i> , art. no. 9046998, pp. 55-58.

12. [Machine Learning Approach for Energy Consumption Prediction in Datacenters](#) Merizig, A., Bendahmane, T., Merzoug, S., Kazar, O. 2020 *Proceedings of the 2020 International Conference on Mathematics and Information Technology, ICMIT 2020*, art. no. 9046987, pp. 142-148.
13. [The blow-up solutions to nonlinear fractional differential caputo-system](#) Terchi, M., Hassouna, H. 2020 *Bulletin of the South Ural State University, Series: Mathematical Modelling, Programming and Computer Software*, 13(1), pp. 52-63.
14. [Quantum genetic algorithm to evolve controllers for self-reconfigurable modular robots](#) Mezghiche, M.K., Djedi, N. 2020 *World Journal of Engineering*.
15. [A Comparative Study Between the PI and SM Controllers Used by Nonlinear Control of Induction Motor Fed by SVM Matrix Converter](#) Dendouga, A. 2020 *IETE Journal of Research*.
16. [First report of cucurbit chlorotic yellows virus infecting cucumber and zucchini in Algeria](#) Kheireddine, A., Sáez, C., Sifres, A., Picó, B., López, C. 2020 *Plant Disease*, 104(4).
17. [Domestic wastewater treatment by vertical-flow filter grown with juncus maritimus in arid region](#) Yahiaoui, K., Ouakouak, A., Guerrouf, N., Zoubeidi, A., Hamdi, N. 2020 *International Journal of Engineering Research in Africa*, 47, pp. 109-117.
18. [On the singular risk-sensitive stochastic maximum principle](#) Chala, A. 2020 *International Journal of Control*.
19. [Molecular structure, drug likeness and QSAR modeling of 1,2-diazole derivatives as inhibitors of enoyl-acyl carrier protein reductase](#) Al Mogren, M.M., Zerroug, E., Belaidi, S., BenAmor, A., Al Harbi, S.D.A. 2020 *Journal of King Saud University - Science*.
20. [On optimal solutions of general continuous-singular stochastic control problem of McKean-Vlasov type](#) Guenane, L., Hafayed, M., Meherrem, S., Abbas, S. 2020 *Mathematical Methods in the Applied Sciences*.