

Université Ferhat ABBAS Sétif 1

Production scientifique de l'année 2018

(453 publications)

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| <input type="checkbox"/> | Effect of the A1 to L1 ₀ transformation on the structure and magnetic properties of polycrystalline Fe ₅₆ Pd ₄₄ alloy thin films produced by thermal evaporation technique | Bahamida, S., Fnidiki, A., Coïsson, M., (...), Laggoun, A., Boudissa, M. | 2018 Thin Solid Films 668, pp. 9-13 |
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| <input type="checkbox"/> | Hybrid approach for congestion control in VANETs | Achichi, B., Semchedine, F., Derdouri, L. | 2018 ACM International Conference Proceeding Series a4 |
| 2 | | | |
| <input type="checkbox"/> | Schur and DCT decomposition based medical images watermarking | Soualmi, A., Alti, A., Laouamer, L. | 2018 Proceedings - 2018 6th International Conference on Enterprise Systems, ES 2018 8588280, pp. 204-210 |
| 3 | | | |
| <input type="checkbox"/> | A Backstepping Torque Control of a Five Phase Permanent Magnet Synchronous Machine | Sari, B., Benkhoris, M.F., Assaad Hamida, M., Chouaba, S.E. | 2018 2018 7th International Conference on Systems and Control, ICSC 2018 8587800, pp. 219-223 |
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5 | A New Maximum Power Point Tracking Algorithm for Partial Shaded Photovoltaic Systems | Radjai, T., Gaubert, J.-P., Rahmani, L. | 2018 2018 7th International Conference on Systems and Control, ICSC 2018 8587773, pp. 169-173 |
| <input type="checkbox"/>
6 | Novel insights into the adsorption mechanism of methylene blue onto organo-bentonite: Adsorption isotherms modeling and molecular simulation | Bergaoui, M., Nakhli, A., Benguerba, Y., (...), Ismadji, S., Ernst, B. | 2018 Journal of Molecular Liquids 272, pp. 697-707 |
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7 | 1.9-million- and 2.4-million-year-old artifacts and stone tool-cutmarked bones from ain boucherit, Algeria | Sahnouni, M., Parés, J.M., Duval, M., (...), Boulaghraif, K., Semaw, S. | 2018 Science 362(6420), pp. 1297-1301 |
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8 | Fast terminal synergetic control of underactuated system | Zehar, D., Cherif, A., Benmahammed, K., Behih, K. | 2018 2018 15th International Multi-Conference on Systems, Signals and Devices, SSD 2018 8570473, pp. 1184-1189 |
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9 | Input-output discrete integral sliding mode controller for DC-DC buck converter | Elhajji, Z., Dehri, K., Bouchama, Z., Nouri, A.S., Essounbouli, N. | 2018 2018 15th International Multi-Conference on Systems, Signals and Devices, SSD 2018 8570548, pp. 1391-1396 |
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10 | Design of an Intelligent Peak Power Converter for Solar Plants with Lead-acid Battery | Belkaid, A., Colak, I., Kayisli, K., Bayindir, R. | 2018 7th International IEEE Conference on Renewable Energy Research and Applications, ICRERA 2018 8566745, pp. 1400-1406 |

- 11** Benzimidazolium- and Benzimidazolilydene-Capped Cyclodextrins: New Perspectives in Anion Encapsulation and Gold-Catalyzed Cycloisomerization of 1,6-Enynes
Open Access
- Kaya, Z., Andna, L., Matt, D., (...), Djukic, J.-P., Armspach, D. 2018 *Chemistry - A European Journal* 24(68), pp. 17921-17926
- 12** The first Fe(II) complex bearing end-to-end dicyanamide as a double bridging ligand: Crystallography study and Hirshfeld surface analysis; completed with a CSD survey
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- Setifi, Z., Geiger, D., Jelsch, C., (...), Arefian, M., Setifi, F. 2018 *Journal of Molecular Structure* 1173, pp. 697-706
- 13** The thermal and thermomechanical behaviors of Spartium junceum flour reinforced polypropylene composites: effects of treatment and flour content
- Nouar, Y., Nekkaa, S., Fernández-García, M., López, D. 2018 *Composite Interfaces* 25(12), pp. 1067-1089
- 14** Fluorination of Algerian Montmorillonite Sodium by Cold Plasma and Its Effect on the Properties of PE-Based Composite
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- Berdjane, K., Benachour, D., Bensaad, S. 2018 *International Journal of Applied Science and Engineering* 8(4), pp. 35-46
- 15** Effects of Free Quenching on Mechanical, Thermomechanical and Thermophysical Properties of Titanium Dioxide-Pigmented Polystyrene
- Dadache, D., Rouabah, F., Fois, M., Guellal, M. 2018 *Russian Journal of Applied Chemistry* 91(12), pp. 1974-1983
- 16** Improved optimal power flow for a power system incorporating wind power generation by using Grey Wolf Optimizer algorithm
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- Haddi, S., Bouketir, O., Bouktir, T. 2018 *Advances in Electrical and Electronic Engineering* 16(4), pp. 471-488

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17 | Bioactivity-guided isolation of alkaloids from a cytotoxic fraction of the ethyl acetate extract of <i>Anacyclus pyrethrum</i> (L.) DC. Roots
<i>Open Access</i> | Hamimed, S., Boulebda, N., Laouer, H., Belkhiri, A. | 2018 <i>Current Issues in Pharmacy and Medical Sciences</i> 31(4), pp. 180-185 |
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18 | In vitro propagated <i>Mentha rotundifolia</i> (L.) Huds and antioxidant activity of its essential oil
<i>Open Access</i> | Benahmed, A., Harfi, B., Benbelkacem, I., (...), Laouer, H., Belkhiri, A. | 2018 <i>Current Issues in Pharmacy and Medical Sciences</i> 31(4), pp. 204-208 |
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19 | Effects of pulsed electrodeposition parameters on the properties of zinc oxide thin films to improve the photoelectrochemical and photoelectrodegradation efficiency | Lakhdari, M., Habelhames, F., Nessark, B., (...), Tondelier, D., Nunzi, J.M. | 2018 <i>EPJ Applied Physics</i> 84(3),2018180227 |
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20 | Annealing effect on the optical and photoelectrochemical properties of lead oxide | Zerguine, W., Abdi, D., Habelhames, F., (...), Choi, J., Nunzi, J.M. | 2018 <i>EPJ Applied Physics</i> 84(3),2018180263 |
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21 | Big data collection in large-scale wireless sensor networks
<i>Open Access</i> | Djedouboum, A.C., Ari, A.A.A., Gueroui, A.M., Mohamadou, A., Aliouat, Z. | 2018 <i>Sensors (Switzerland)</i> 18(12),4474 |
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22 | Molecular dynamics study of size and cooling rate effects on physical properties of Niobium nanoclusters | Abdeslam, S., Chihi, T. | 2018 <i>Chinese Journal of Physics</i> 56(6), pp. 2710-2717 |
| | Potentiality of zinc oxide nanosensor prepared by a new electroplating method on p-Si (1 1 1) wafer substrate | Messai, Z., Devers, T., Mouet, T., | 2018 <i>Alexandria Engineering Journal</i> 57(4), pp. 3671-3681 |

- Open Access* (…), Boussahoul, A., Gamoura, A.
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- A New Blind Medical Image Watermarking Based on Weber Descriptors and Arnold Chaotic Map Soualmi, A., Alti, A., Laouamer, L. 2018 Arabian Journal for Science and Engineering 43(12), pp. 7893-7905
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- Normalized differential conductance to study current conduction mechanisms in MOS structures Nouibat, T.H., Messai, Z., Chikouch, D., (…), Rommel, M., Frey, L. 2018 Microelectronics Reliability 91, pp. 183-187
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- Computational study of acid blue 80 dye adsorption on low cost agricultural Algerian olive cake waste: Statistical mechanics and molecular dynamic simulations Toumi, K.H., Bergaoui, M., Khalfaoui, M., (…), Nacef, S., Ernst, B. 2018 Journal of Molecular Liquids 271, pp. 40-50
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- Pseudomonas knackmussii MLR6, a rhizospheric strain isolated from halophyte, enhances salt tolerance in Arabidopsis thaliana Rabhi, N.E.H., Silini, A., Cherif-Silini, H., (…), Aït Barka, E., Sanchez, L. 2018 Journal of Applied Microbiology 125(6), pp. 1836-1851
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- Modified differential evolution approach for practical optimal reactive power dispatch of hybrid AC–DC power systems Sayah, S. 2018 Applied Soft Computing Journal 73, pp. 591-606
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- Economic and ecological optimization of multi-source systems under the variability in the cost of fuel Layadi, T.M., Champenois, G., Mostefai, M. 2018 Energy Conversion and Management 177, pp. 161-175
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| 30 | <input type="checkbox"/> Rheological properties and thermal stability of compatibilized polypropylene/untreated silica composites prepared by water injection extrusion process | Zoukrami, F., Haddaoui, N., Sclavons, M., Devaux, J., Vanzeveren, C. | 2018 <i>Polymer Bulletin</i> 75(12), pp. 5551-5566 |
| 31 | <input type="checkbox"/> Spatial reasoning about multimedia document for a profile based adaptation: Combining distances, directions and topologies
<i>Open Access</i> | Belhadad, Y., Refoufi, A., Roose, P. | 2018 <i>Multimedia Tools and Applications</i> 77(23), pp. 30437-30474 |
| 32 | <input type="checkbox"/> Study of generalized Stokes operator in a thin domain with friction law (case $p < 2$) | Dilmi, M., Dilmi, M., Benseridi, H. | 2018 <i>Mathematical Methods in the Applied Sciences</i> 41(18), pp. 9027-9036 |
| 33 | <input type="checkbox"/> Investigations on AZO/Al/AZO multilayer structure grown at room temperature | Amara, S., Bouafia, M. | 2018 <i>Surface Review and Letters</i> 25(8),1950033 |
| 34 | <input type="checkbox"/> A new improved DTC of doubly fed induction machine using GA-based PI controller
<i>Open Access</i> | Zemmit, A., Messalti, S., Harrag, A. | 2018 <i>Ain Shams Engineering Journal</i> 9(4), pp. 1877-1885 |
| 35 | <input type="checkbox"/> A hybrid approach using genetic and fruit fly optimization algorithms for QoS-aware cloud service composition | Seghir, F., Khababa, A. | 2018 <i>Journal of Intelligent Manufacturing</i> 29(8), pp. 1773-1792 |
| 36 | <input type="checkbox"/> Vocabulary instruction through patterns of activity sequencing use: Revising the understanding of integration in language teaching (Book Chapter) | Bouirane, A. | 2018 <i>English Language Teaching Research in the Middle East and North Africa: Multiple Perspectives</i> pp. 319-344 |

- 37** Erratum: Global, regional, and national age-sex-specific mortality for 282 causes of death in 195 countries and territories, 1980–2017: a systematic analysis for the Global Burden of Disease Study 2017 (The Lancet (2018) 392(10159) (1736–1788)(S0140673618322037)(10.1016/S0140-6736(18)32203-7))
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- Roth, G.A., Abate, D., Abate, K.H., (...), Naghavi, M., Murray, C.J.L. 2018 *The Lancet* 392(10160), pp. 2170
- 38** The contribution of csr to water protection in the Maghreb Region: Engineering a new approach to assure water security (Book Chapter)
- Aimar, A. 2018 *Climate Change, Food Security and Natural Resource Management: Regional Case Studies from Three Continents* pp. 203-224
- 39** Global, regional, and national incidence, prevalence, and years lived with disability for 354 Diseases and Injuries for 195 countries and territories, 1990-2017: A systematic analysis for the Global Burden of Disease Study 2017
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- James, S.L., Abate, D., Abate, K.H., (...), Vos, T., Murray, C.J.L. 2018 *The Lancet* 392(10159), pp. 1789-1858
- 40** Global, regional, and national disability-adjusted life-years (DALYs) for 359 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990-2017: A systematic analysis for the Global Burden of Disease Study 2017
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- Kyu, H.H., Abate, D., Abate, K.H., (...), Zuhlke, L.J., Murray, C.J.L. 2018 *The Lancet* 392(10159), pp. 1859-1922
- 41** Global, regional, and national age-sex-specific mortality for 282 causes of death in 195 countries and territories, 1980–2017: a systematic analysis for the Global Burden of Disease Study 2017
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- Roth, G.A., Abate, D., Abate, K.H., (...), Naghavi, M., Murray, C.J.L. 2018 *The Lancet* 392(10159), pp. 1736-1788

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- Dicker, D., Nguyen, G., Abate, D., (...), Gakidou, E., Murray, C.J.L. 2018 *The Lancet* 392(10159), pp. 1684-1735
- 43** Assessing the impact of choosing different deformable registration algorithms on cone-beam CT enhancement by histogram matching
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- Kidar, H.S., Azizi, H. 2018 *Radiation Oncology* 13(1),217
- 44** Investigation of the effects of acidic pH and annealing on the properties of nanostructured TiO₂ thin films for waveguiding applications
- Chibani, O., Touam, T., Chelouche, A., Ouarez, L. 2018 *Journal of Alloys and Compounds* 768, pp. 866-874
- 45** Synthesis, spectral characterization, DFT computational studies and inhibitory activity of novel N₂S₂ tetradentates Schiff bases on metallo-beta-lactamases of *Acinetobacter baumannii*
- Messasma, Z., Ourari, A., Mahdadi, R., (...), Kherbache, A., Bentouhami, E. 2018 *Journal of Molecular Structure* 1171, pp. 672-681
- 46** Structural, electronic, vibrational, optical and thermodynamic properties of 3-Oxo-3-p-tolylpropylphosphonic acid and 4-Oxo-4-p-tolyl-butyrac acid: Density functional theory study
- Hellal, A., Rachida, D., Zaout, S., (...), Mehri, M., Benbougerra, K. 2018 *Journal of Molecular Structure* 1171, pp. 527-540
- 47** Synthesis, electrochemical and classical evaluation of the antioxidant activity of three α -aminophosphonic acids: Experimental and theoretical investigation
- Mehri, M., Chafai, N., Ouksel, L., (...), Hellal, A., Chafaa, S. 2018 *Journal of Molecular Structure* 1171, pp. 179-189

- 48** Genetics and serology of celiac disease during giardiasis: Comment on: 'Transient elevation of anti-transglutaminase and anti-endomysium antibodies in Giardia infection' Boutrid, N., Rahmoune, H., Amrane, M. 2018 Scandinavian Journal of Gastroenterology 53(10-11), pp. 1427
- 49** Uni- and bimodal Weibull distribution for analyzing the tensile strength of Diss fibers Bourahli, M.E.H. 2018 Journal of Natural Fibers 15(6), pp. 843-852
- 50** Reaction of cattle farmers in Algerian semi-arid regions to economic and climatic constraints | [Réaction des éleveurs bovins des régions semi-arides algériennes face aux contraintes économiques et climatiques] *Open Access* Semara, L., Madani, T., Mouffok, C., Belkasmi, F. 2018 Cahiers Agricultures 27(6),65001
- 51** LBSNN: Neural Networks-based Moving Sink Mechta, D., Harous, S. 2018 2018 9th IEEE Annual Ubiquitous Computing, Electronics and Mobile Communication Conference, UEMCON 2018 8796548, pp. 475-481
- 52** An Efficient Weight-Based Clustering Algorithm using Mobility Report for IoV Senouci, O., Harous, S., Aliouat, Z. 2018 2018 9th IEEE Annual Ubiquitous Computing, Electronics and Mobile Communication Conference, UEMCON 2018 8796619, pp. 614-620

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- 54 Reproduction of Algerian Barbel *Luciobarbus callensis* (Cyprinidae) in the Agrioun River, Algeria Aberkane, B., Touazi, L., Iguer-ouada, M. 2018 Journal of Ichthyology 58(6), pp. 851-856
- 55 Experimental Investigation of the Flow Over Single and Successive Hills on Smooth and Rough Walls Belmahdi, M., Zegadi, R., Simoëns, S., Bouharati, S. 2018 Journal of Applied Mechanics and Technical Physics 59(6), pp. 971-979
- 56 Design of a prototypical dual-axis tracker solar panel controlled by geared dc servomotors Mansouri, A., Krim, F., Khouni, Z. 2018 Scientia Iranica 25(6D), pp. 3542-3558
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- 57 Genetic diversity in Algerian durum wheat varieties (*Triticum turgidum* l var. durum) using microsatellite markers | [Diversidade genética em variedades de trigo duro Argelino (*Triticum turgidum* l var. durum) usando marcadores microssatélites] Kirouani, A., Henkrar, F., Udupa, S.M., Boukhalfoun, L., Bouzerzour, H. 2018 Bioscience Journal 34(6), pp. 1575-1583
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- 58 Population and fertility by age and sex for 195 countries and territories, 1950–2017: a systematic analysis for the Global Burden of Disease Study 2017 Murray, C.J.L., Callender, C.S.K.H., Kulikoff, X.R., (...), Lopez, A.D., Lim, S.S. 2018 The Lancet 392(10159), pp. 1995-2051
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- 59 Catalytic behavior of nickel loaded on acid-activated and pillared clay in total gas-phase oxidation of ethanol Lahoues-Chakour, N., Barama, S., Barama, 2018 Journal of Nanoparticle Research 20(11),294

- A., (...), Domingos, C., Davidson, A.
- 60** 3-D magnetic inversion and satellite imagery for the Um Salatit gold occurrence, Central Eastern Desert, Egypt Mohamed, H., Saibi, H., Bersi, M., (...), Tindell, T., Mizunaga, H. 2018 Arabian Journal of Geosciences 11(21),674
- 61** Effect of SEBS-g-MAH addition on the mechanical, rheological, and morphological properties of polycarbonate/acrylonitrile–butadiene–styrene blends Debbah, I., Krache, R., Aranburu, N., Fernández, M., Etxeberria, A. 2018 Journal of Elastomers and Plastics 50(7), pp. 611-633
- 62** Synthesis, crystal structure, vibrational spectra and thermal properties of novel ionic organic-inorganic hybrid material Bourzami, R., AitYoucef, H.C., Hamdouni, N., Sebais, M. 2018 Chemical Physics Letters 711, pp. 220-226
- 63** Comparison of measured and calculated doses in a Rando phantom with a realistic lung radiotherapy treatment plan including heterogeneities Bouacid, S.S., Kharfi, F., Boulakhssaim, F. 2018 Radiation and Environmental Biophysics 57(4), pp. 365-373
- 64** Robust backstepping control for uncertain chaotic multi-inputs multi-outputs systems using type 2 fuzzy systems Meskine, K., Khaber, F. 2018 Transactions of the Institute of Measurement and Control 40(15), pp. 4153-4165
- 65** Optimum design of cam-roller follower mechanism using a new evolutionary algorithm Hamza, F., Abderazek, H., Lakhdar, S., Ferhat, D., Yıldız, A.R. 2018 International Journal of Advanced Manufacturing Technology 99(5-8), pp. 1267-1282

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| 67 | <input type="checkbox"/> Optimal power flow solution for wind integrated power in presence of VSC-HVDC using ant lion optimization
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12(2), pp. 625-633 |
| 68 | <input type="checkbox"/> Classical and bio-inspired mobility in sensor networks for IoT applications | Hamidouche, R., Aliouat, Z., Gueroui, A.M., Ari, A.A.A., Louail, L. | 2018 Journal of Network and Computer Applications
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| 69 | <input type="checkbox"/> Spin-coating technique to investigate structural and optical properties of nano and micro cubic-like photonic LiNbO ₃ under annealing temperature effect | Al-Douri, Y., Voon, C.H., Bouhemadou, A., Ameri, M. | 2018 Optik
172, pp. 519-525 |
| 70 | <input type="checkbox"/> New quaternized poly(4-vinylpyridine-co-divinylbenzene) material containing nickel(II) Schiff base complex: synthesis, thermogravimetry, and application for heterogeneous electrooxidation of ethanol | Bezza, A., Ouennoughi, Y., Bouzerafa, B., (...), Fernández-García, M., Ourari, A. | 2018 Research on Chemical Intermediates
44(11), pp. 6831-6846 |
| 71 | <input type="checkbox"/> Au-doped ZnO sol-gel thin films: An experimental investigation on physical and photoluminescence properties | Ovarez, L., Chelouche, A., Touam, T., (...), Djouadi, D., Potdevin, A. | 2018 Journal of Luminescence
203, pp. 222-229 |
| | <input type="checkbox"/> Structural, electronic and magnetic properties of the manganese telluride layers AMnTe ₂ (A = K, Rb, Cs) from first-principles calculations | Benmakhlouf, A., Bourourou, | 2018 Journal of Magnetism and Magnetic Materials |

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73 | Multiclass adaptive neuro-fuzzy classifier and feature selection techniques for photovoltaic array fault detection and classification | Belaout, A., Krim,
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74 | Quantifying Release from Lipid Nanocarriers by Fluorescence Correlation Spectroscopy
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75 | Performance Improvement of Brushless Generator Voltage Regulation by Using a Controlled Non Linear Discharge Resistor | Barakat, A., Chouaba, S.E. | 2018 Proceedings - 2018 23rd
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76 | Characterization of long lignocellulosic fibers extracted from Hyphaene thebaica L. leaves | Mansour, R., Abdelaziz,
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77 | Ontology-based Context-aware Recommendation Approach for Dynamic Situations Enrichment | Lakehal, A., Alti,
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| 78 | External Interference Free Channel Access Strategy Dedicated to TSCH | Hammoudi, S., Harous, S., Aliouat, Z. | 2018 IEEE International Conference on Electro Information Technology
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| 79 | QGAC: Quantum Genetic Based-Clustering Algorithm for WSNs | Djamila, M., Saad, H. | 2018 IEEE International Conference on Electro Information Technology
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| 80 | Transparent MgAl ₂ O ₄ spinel fabricated by spark plasma sintering from commercial powders | Zegadi, A., Kolli, M., Hamidouche, M., Fantozzi, G. | 2018 Ceramics International
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| 81 | Analytical expressions for the ferromagnetic resonance mode intensity and linewidths for a weakly coupled magnetic tunnel junction system | Layadi, A. | 2018 Journal of Applied Physics
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| 83 | Dielectric behavior of a quaternary composite (RE, BT, MnO ₂ , CaO) in the band (DC-2 GHz) | Bouchaour, M., Martínez Jiménez, J.P., Bouzit, N., Bourouba, N. | 2018 EPJ Applied Physics
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84 | Adsorption studies of an azo dye using polyaniline coated calcined layered double hydroxides | Sahnoun, S., Boutahala, M., Fingueneisel, G., Zimny, T., Kahoul, A. | 2018 Desalination and Water Treatment
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85 | A robust control of two-stage grid-tied PV systems employing integral sliding mode theory
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86 | Analytical modeling and optimization of original bifacial solar cells based on Cu(In,Ga)Se ₂ thin films absorbers | Mouhoub, A., Bouloufa, A., Djessas, K., Messous, A. | 2018 Superlattices and Microstructures
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87 | Structural, topological, electrical and luminescence properties of CZ-silicon (CZ-Si) irradiated by neutrons | Osmani, N., Guerbous, L., Boucenna, A. | 2018 Applied Physics A: Materials Science and Processing
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88 | A blind audio watermarking technique based on a parametric quantization index modulation | Terchi, Y., Bouguezel, S. | 2018 Multimedia Tools and Applications
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89 | Electrons and positrons elastic collisions with pyrimidine and tetrahydrofuran | Aouina, N.Y., Chaoui, Z.-E.-A. | 2018 Applied Radiation and Isotopes
140, pp. 347-354 |
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90 | Estimation of Neighbors Position privacy scheme with an Adaptive Beacons approach for location privacy in VANETs | Zidani, F., Semchedine, F., Ayaida, M. | 2018 Computers and Electrical Engineering
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| 91 | <input type="checkbox"/> Petrology, geochemistry and stable isotope studies of the Miocene igneous rocks and related sulphide mineralisation of Oued Amizour (NE Algeria) | Laouar, R., Lekoui, A., Bouima, T., (...), Boyce, A.J., Fallick, A.E. | 2018 Ore Geology Reviews 101, pp. 312-329 |
| 92 | <input type="checkbox"/> Simulation of positron and electron elastic mean free path and diffusion angle on DNA nucleobases from 10 eV to 100 keV | Aouina, N.Y., Chaoui, Z.-E.-A. | 2018 Surface and Interface Analysis 50(10), pp. 939-946 |
| 93 | <input type="checkbox"/> New Approach for Optimal Semantic-Based Context-Aware Cloud Service Composition for ERP | Reffad, H., Alti, A. | 2018 New Generation Computing 36(4), pp. 307-347 |
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| 98 | <input type="checkbox"/> A dynamic corona model for EMTP computation of multiple and non-standard impulses on transmission lines using a type-94 circuit component | Anane, Z., Bayadi, A., Harid, N. | 2018 Electric Power Systems Research 163, pp. 133-139 |

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