

Université Ferhat ABBAS Sétif 1

Production scientifique de l'année 2012

(255 Publications)

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| <input type="checkbox"/>
1 | <u>Fatigue-fractured surfaces of commercial bone cements</u> | <u>lhaddadene, N., Erani, P., Cotifava, M., (...), Bouzid, S., Cristofolini, L.</u> | 2012 <u>Computer Methods in Biomechanics and Biomedical Engineering</u>
10(SUPPL. 1), pp. 157-158 |
| <input type="checkbox"/>
2 | <u>Aquatic hemiptera of northeastern Algeria: Distribution phenology and conservation</u> | <u>Annani, F., Alfarhan, A.H., Samraoui, B.</u> | 2012 <u>Revue d'Ecologie (La Terre et la Vie)</u>
67(4), pp. 423-435 |
| <input type="checkbox"/>
3 | <u>Intelligent energy management in a photovoltaic installation using neuro-fuzzy technique</u> | <u>Afghoul, H., Krim, F.</u> | 2012 2012 IEEE International Energy Conference and Exhibition, ENERGYCON 2012
6347754, pp. 20-25 |
| <input type="checkbox"/>
4 | <u>Comparison between PI and fuzzy DPC control of a shunt active power filter</u> | <u>Afghoul, H., Krim, F.</u> | 2012 2012 IEEE International Energy Conference and Exhibition, ENERGYCON 2012
6347742, pp. 146-151 |

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| 5 | <input type="checkbox"/> <u>Optimal carbon nanotubes concentration incorporated in mortar and concrete</u>
<i>Open Access</i> | <u>Hamzaoui, R., Bennabi, A., Guessasma, S., Khelifa, M.R., Leklou, N.</u> | 2012 <u>Advanced Materials Research</u> 587, pp. 107-110 |
| 6 | <input type="checkbox"/> <u>A modified classical algorithm ALPT4C for solving a capacitated four-index transportation problem</u> | <u>Djamel, A., Amel, N., Le Thi, H.A., Ahmed, Z.</u> | 2012 <u>Acta Mathematica Vietnamica</u> 37(3), pp. 379-390 |
| 7 | <input type="checkbox"/> <u>Obstacle avoidance function using a reactive fuzzy controller for autonomous mobile robot</u> | <u>Bedaouche, F., Hassam, A.</u> | 2012 <u>Journal of Electrical Engineering</u> 12(1), pp. 95-99 |
| 8 | <input type="checkbox"/> <u>Nonconvex economic load dispatch by enhanced particle swarm optimization</u> | <u>Sayah, S., Hamouda, A.</u> | 2012 <u>Journal of Electrical Engineering</u> 12(3), pp. 16-22 |
| 9 | <input type="checkbox"/> <u>Robust induction motor control using adaptive fuzzy synergetic control</u> | <u>Medjbeur, L., Harmas, M.N., Benaggoune, S.</u> | 2012 <u>Journal of Electrical Engineering</u> 12(1), pp. 37-42 |
| 10 | <input type="checkbox"/> <u>Emission constrained optimal power flow using efficient multiobjective fuzzy optimization method</u> | <u>Sayah, S., Hamouda, A., Zehar, K.</u> | 2012 <u>Journal of Electrical Engineering</u> 12(1), pp. 56-61 |
| 11 | <input type="checkbox"/> <u>Structural and electronic properties of MAX phases (Book Chapter)</u> | <u>Medkour, Y., Roumili, A., Maouche, D.</u> | 2012 <u>MAX Phases: Microstructure, Properties and Applications</u> pp. 123-136 |
| 12 | <input type="checkbox"/> <u>Enhancement and restoration of growth of durum wheat (Triticum durum, var. waha) on saline soil by using Azospirillum brasilense NH and marine alga Ulva lactuca (Book Chapter)</u> | <u>Nabti, E., Sahnoune, M., Ghoul, M., (...), Schmid, M., Hartmann, A.</u> | 2012 <u>Algae: Ecology, Economic Uses and Environmental Impact</u> pp. 29-52 |

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| <input type="checkbox"/> 13 | <u>Performances analysis of a piezo-pump</u>
<i>Open Access</i> | <u>Benaissa, A., Belkhiat, S.</u> | 2012 <u>EPJ Web of Conferences</u>
29,00007 |
| <input type="checkbox"/> 14 | <u>New aphid records (Hemiptera Aphididae) from Algeria and the Northern Africa</u> | <u>Hidalgo, N.P., Bouhraoua, R.T., Boukreris, F., (...), Khelil, M.-A., Pujade-Villar, J.</u> | 2012 <u>Redia</u>
95, pp. 31-34 |
| <input type="checkbox"/> 15 | <u>Optical device for precision Moiré topography of micro surfaces</u> | <u>Meguellati, S., Djabi, S.</u> | 2012 <u>Proceedings of SPIE - The International Society for Optical Engineering</u>
8550,85501M |
| <input type="checkbox"/> 16 | <u>Towards an automatic adaptation of heterogeneous multimedia mobile applications</u> | <u>Alti, A., Roose, P., Saffidine, R., Laborie, S.</u> | 2012 Conference Internationale: Nouvelles Technologies de la Repartition - Colloque Francophone sur l'Ingenierie des Protocoles, NOTERE/CFIP 2012 |
| <input type="checkbox"/> 17 | <u>Adaptative nodes diagnosis and recovery for Wireless Sensor Networks</u> | <u>Aliouat, M., Aliouat, Z., Naidja, M.</u> | 2012 ISCAIE 2012 - 2012 IEEE Symposium on Computer Applications and Industrial Electronics
6482108, pp. 256-261 |
| | <u>Resilient sinks for long lived wireless sensor networks</u> | <u>Aliouat, M., Aliouat, Z., Titouna, C.</u> | 2012 ISCAIE 2012 - 2012 IEEE Symposium on Computer |

- 18** Applications and Industrial Electronics
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- 19** EduBank: A bank of educational resources based on ontologies Brik, M., Touahria, M. 2012 2012 6th International Conference on Sciences of Electronics, Technologies of Information and Telecommunications, SETIT 2012
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- 20** Efficient management of energy budget for PEGASIS routing protocol Aliouat, Z., Aliouat, M. 2012 2012 6th International Conference on Sciences of Electronics, Technologies of Information and Telecommunications, SETIT 2012
6481966, pp. 516-521
- 21** Search efficiency function- PSO combination for blind image restoration Toumi, A., Rechid, N., Taleb-Ahmed, A., Benmahammed, K. 2012 2012 6th International Conference on Sciences of Electronics, Technologies of Information and Telecommunications, SETIT 2012
6481931, pp. 293-296

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| <p>□ 22 <u>Studies on the influence of corona on overvoltage surges by simulation using the ATP/EMTP</u></p> | <p><u>Anane, Z., Bayadi, A.</u></p> | <p>2012 <u>Proceedings of the International Conference on Microelectronics, ICM</u>
6471458</p> |
| <p>□ 23 <u>Thermomechanical characterization of a fire clay refractory made of Algerian Kaolin</u></p> | <p><u>Kolli, M., Hamidouche, M., Bouaouadja, N., Fantozzi, G.</u></p> | <p>2012 <u>Revue des Composites et des Materiaux Avances</u>
22(3), pp. 71-84</p> |
| <p>□ 24 <u>Direct power control scheme based on disturbance rejection principle for three-phase pwm ac/dc converter under different input voltage conditions</u></p> | <p><u>Bouafia, A., Gaubert, J.P., Chaoui, A.</u></p> | <p>2012 <u>Journal of Electrical Systems</u>
8(4), pp. 367-383</p> |
| <p>□ 25 <u>Inhibition of the corrosion of carbon steel in acid solution by the extract of Limonium thouinii (Plumbaginaceae)</u></p> | <p><u>Benahmed, M., Lafhal, M., Djeddi N, N., Laouer, H., Akkal, S.</u></p> | <p>2012 <u>Advances in Environmental Biology</u>
6(13), pp. 4052-4056</p> |
| <p>□ 26 <u>Complex media parameter effect: On the input impedance of rectangular microstrip antenna</u></p> | <p><u>Zebiri, C., Benabdelaziz, F., Lashab, M.</u></p> | <p>2012 <u>Proceedings of 2012 International Conference on Complex Systems, ICCS 2012</u>
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| <p>□ 27 <u>Fuzzy c-partition using particle swarm optimization algorithm</u></p> | <p><u>Assas, O., Benmahammed, K.</u></p> | <p>2012 <u>Proceedings of 2012 International Conference on Complex Systems, ICCS 2012</u>
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- 28** Nonsmooth economic power dispatch through an enhanced differential evolution approach Sayah, S., Hamouda, A. 2012 Proceedings of 2012 International Conference on Complex Systems, ICCS 2012 6458594
- 29** Shell model calculation for Te and Sn isotopes in the vicinity of ^{100}Sn Yakhelef, A., Bouldjedri, A. 2012 AIP Conference Proceedings 1444, pp. 199-203
- 30** Time dependent systems with continuous spectra: Some applications Saadi, Y., Maamache, M. 2012 AIP Conference Proceedings 1444, pp. 443-447
- 31** Wigner distribution function and nonclassical properties of Schrödinger cat states for electromagnetic fields in time-varying media Choi, J.R., Yeon, K.H., Nahm, I.H., (...), Maamache, M., Menouar, S. 2012 AIP Conference Proceedings 1444, pp. 227-232
- 32** The (3+1) dimensional dirac equation with Lorentz-covariant deformed algebra Betrouche, M., Maamache, M., Nouicer, K. 2012 AIP Conference Proceedings 1444, pp. 279-283
- 33** Reversible quantum computation using excess-3 code Yeon, K.H., Choi, J.R., Kim, D., Kim, M.-S., Maamache, M. 2012 AIP Conference Proceedings 1444, pp. 310-313
- 34** Direct power control concept and analysis for three phase shunt active power filter Chaoui, A., Gaubert, J.-P., Bouafia, A. 2012 IECON Proceedings (Industrial Electronics Conference) 6388553, pp. 1286-1294

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| 35 | <input type="checkbox"/> <u>Control strategy of a transformerless three phase shunt hybrid power filter using a robust PLL</u> | Sarra, M., Gaubert, J.-P., Chaoui, A., Krim, F. | 2012 <u>IECON Proceedings (Industrial Electronics Conference)</u> 6388557, pp. 1258-1267 |
| 36 | <input type="checkbox"/> <u>The assessment of the interaction effect of a lightning strike with a grounding system in a dissipative half-space</u> | Rouibah, T., Bayadi, A., Kerroum, K. | 2012 <u>Proceedings of the Universities Power Engineering Conference</u> 6398616 |
| 37 | <input type="checkbox"/> <u>Effect of pollution distribution class on insulators flashover under AC voltage</u> | Boudissa, R., Bayadi, A., Haddad, A., Baersch, R. | 2012 <u>Proceedings of the Universities Power Engineering Conference</u> 6398649 |
| 38 | <input type="checkbox"/> <u>Simulation of surge corona on three-phase transmission lines</u> | Anane, Z., Bayadi, A. | 2012 <u>Proceedings of the Universities Power Engineering Conference</u> 6398653 |
| 39 | <input type="checkbox"/> <u>First breeding of two dove species European Turtle Dove Streptopelta turtur arenicola and Laughing Dove Streptopelia senegalensis at Annaba (East Algeria) [Deux nouvelles espèces de tourterelles nicheuses Streptopelia turtur arenicola et Streptopelia senegalensis phoenicophila dans la ville d'Annaba (nord-est Algérien)]</u> | Belabed, A., Draïdi, K., Djemadi, I., Eraud, C., Bouslama, Z. | 2012 <u>Alauda</u> 80(4), pp. 293-294 |
| 40 | <input type="checkbox"/> <u>Tribological behaviour of coated carbide tools during turning of steels with improved machinability</u>
<i>Open Access</i> | Sebhi, A., Osmani, H., Rech, J. | 2012 <u>Strojniski Vestnik/Journal of Mechanical Engineering</u> 58(12), pp. 744-749 |
| 41 | <input type="checkbox"/> <u>Optimal control problem governed by an infinite dimensional One-nilpotent bilinear systems</u> | Aziza, A.I.B., Bensalem, N. | 2012 <u>Bulletin Mathématique de la Société des Sciences Mathématiques de Roumanie</u> |

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- 42** Segmentation of MR images using multispectral fusion approach : A study and an evaluation Chaabane, L., Abdelouahab, M. 2012 2012 International Conference on Education and e-Learning Innovations, ICEELI 2012 6360567
- 43** Gearbox fault diagnosis using ensemble empirical mode decomposition (EEMD) and residual signal Mahgoun, H., Bekka, R.E., Felkaoui, A. 2012 Mechanics and Industry 13(1), pp. 33-44
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- 44** Enhancement of electrostrictive polymer efficiency for energy harvesting with cellular polypropylene electrets Eddiai, A., Meddad, M., Guyomar, D., (...), Touhtouh, S., Sahraoui, B. 2012 Synthetic Metals 162(21-22), pp. 1948-1953
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- 46** Experimental design of a fuzzy controller for improving power factor of boost rectifier Kessal, A., Rahmani, L., Gaubert, J.-P., Mostefai, M. 2012 International Journal of Electronics 99(12), pp. 1611-1621
- 47** A stable adaptive force/position controller for a C5 parallel robot: A neural network approach Achili, B., Daachi, B., Amirat, Y., Ali-Cherif, A., Daächi, M.E. 2012 Robotica 30(7), pp. 1177-1187

- 48 Ab initio investigations of structural, elastic and electronic properties of ZnSiP₂: Pressure effect Arab, F., Ali Sahraoui, F., Haddadi, K., Louail, L. 2012 Computational Materials Science 65, pp. 520-527
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- 50 Prostaglandin E₂ receptor subtypes in human blood and vascular cells Foudi, N., Gomez, L., Benyahia, C., Longrois, D., Norel, X. 2012 European Journal of Pharmacology 695(1-3), pp. 1-6
- 51 Systematic study of the elastic properties of Mn₃AC antiperovskite with A = Zn, Al, Ga, In, Tl, Ge and Sn Medkour, Y., Roumili, A., Maouche, D., Saoudi, A., Louail, L. 2012 Journal of Alloys and Compounds 541, pp. 75-78
- 52 Bis[μ-(3-acetyl-2-hydroxy-6-methyl-4H-pyran-4-one-κ³O:O',O'')]diaquatetrakis(pyridine-κN)dicopper(II) diperchlorate
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| <p>□ <u>Electrical properties of MAX phases (Book Chapter)</u>
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| <p>□ <u>A reciprocal-orthogonal parametric transform and its fast algorithm</u>
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19(11),6311425, pp. 769-772</p> |
| <p>□ <u>Numerical solution of navier-stokes equations in liquid metals under magnetic field: Marangoni-natural convection in liquid metals in the presence of a tilted magnetic field (Book Chapter)</u>
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| <p>□ <u>On titanium oxide spray deposited thin films for solar cells applications</u>
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| <p>□ <u>Genotype xenvironment interaction assessment in durum wheat (Triticum durumDesf) using AMMI and GGE models</u>
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- 61** Evaluation of antioxidant and antibacterial properties of Peaganum harmala seed extracts Diarmouni, M., Boumerfeg, S., Baghiani, A., (...), Khennouf, S., Arrar, L. 2012 Research Journal of Pharmaceutical, Biological and Chemical Sciences 3(4), pp. 1109-1119
- 62** Modeling and simulation of resistive superconducting fault-current limiters Nemdili, S., Belkhiat, S. 2012 Journal of Superconductivity and Novel Magnetism 25(7), pp. 2351-2356
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- 66** First principles study of the structural, elastic, electronic and optical properties of CaSrTt (Tt=Si, Ge, Sn and Pb) Saoudi, A., Hachemi, A., Ferhat-Hamida, A., (...), Hachemi, H., Maamache, M. 2012 Solid State Communications 152(19), pp. 1800-1806

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- 69 Morphological behavior and wear of polyurethane pads used in glass polishing process Belkhir, N., Bouzid, D., Herold, V. 2012 Precision Engineering 36(4), pp. 641-649
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- 74 Microstructural and mechanical characterization of kaolin DD3 after addition of dolomite (5-20% weight) | [Caracterisation microstructurale et mecanique de refractaires a base du kaolin DD3 et la dolomite (5-20%poids)] Bounib, H., Osmani, H., Loucif, K., Chevalier, J., Fantozzi, G. 2012 Annales de Chimie: Science des Materiaux 37(5-6), pp. 171-184
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- 76 A hybrid intelligent control based torque tracking approach for doubly fed asynchronous motor (DFAM) drive Chaiba, A., Abdessemed, R., Bendaas, M.L. 2012 Journal of Electrical Systems 8(3), pp. 262-272
- 77 An adaptive prototype design to maximize power harvesting using electrostrictive polymers Meddad, M., Eddiai, A., Guyomar, D., (...), Yuse, K., Hajjaji, A. 2012 Journal of Applied Physics 112(5),054109
- 78 A modified variable time step method for solving ice melting problem Boureghda, A. 2012 Journal of Difference Equations and Applications 18(9), pp. 1443-1455
- 79 Clay as a natural feed additive in goat diets | [La marne en tant qu'additif naturel dans l'alimentation de la chèvre] Ouachem, D., Soltane, M., Dehimi, A., Meredef, A., Belhadj, S. 2012 Livestock Research for Rural Development 24(9), pp. 12
- 80 Erratum to: Nonlinear dynamic systems identification based on dynamic wavelet neural units (Neural Comput & Applic, (2010), 19, (997-1002), 10.1007/s00521-010-0438-9) Saoud, L.S., Khellaf, A. 2012 Neural Computing and Applications 21(6), pp. 1463
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- 81 Ab initio study of the structural, electronic, elastic and magnetic properties of Cu₂GdIn, Ag₂GdIn and Au₂GdIn Berri, S., Maouche, D., Zerarga, F., Medkour, Y. 2012 Physica B: Condensed Matter 407(17), pp. 3328-3334
- 82 Ab initio study of the structural, electronic and elastic properties of AgSbTe₂, AgSbSe₂, Pr₃AlC, Ce₃AlC, Ce₃AlN, La₃AlC and La₃AlN compounds Berri, S., Maouche, D., Medkour, Y. 2012 Physica B: Condensed Matter 407(17), pp. 3320-3327
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- 84 Supervision and Control Tool for Collaborative Virtual Laboratory Mechta, D., Harous, S., Djoudi, M., Douar, A. 2012 Journal of Software 7(7), pp. 1496-1504
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- 87** Radar and Wireless Communications, MIKON 2012 2,6233632, pp. 495-499
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- 94 [Aqua-4,4'-dimeth-oxy-2,2'-\[pyridine-2,3-diylbis\(nitrilo- methanylyl- idene\)\]-diphenolatocopper\(II\)](#)
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- 95 [First-principles investigation of the ternary scandium based inverse- perovskite carbides Sc₃AC \(A = Al, Ga, in and Tl\)](#)
- 96 [First-principles study on stability, energy gaps, optical phonon and related parameters of In_{1-x-y}Al_xGa_yAs alloys](#)
- 97 [K₀-NAA quality assessment in an Algerian laboratory by analysis of SMELS and four IAEA reference materials using Es-Salam research reactor](#)
- 98 [Structural, electronic and elastic properties of the new ternary alkali metal chalcogenides KLiX \(X = S, Se and Te\)](#)
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