



CENTRE OF SCIENTIFIC RESEARCH ON MACHINES AND THERMAL EQUIPMENT AND ENVIRONMENTAL ENGINEERING IN ENERGETICS (METIME)

RELEVANT INDEXED PAPERS

2019

1. Spiru Paraschiv, Lizica-Simona Paraschiv, Analysis of traffic and industrial source contributions to ambient air pollution with nitrogen dioxide in two urban areas in Romania, Energy Procedia, Volume 157, January 2019, Pages 1553-1560
2. Frățița M, F Popescu, K Uzuneanu, V Mereuță, I Ion, Fatigue analysis of the connecting rod in internal combustion engines, OP Conf. Series: Materials Science and Engineering (2019) 012008 IOP Publishing doi:10.1088/1757-899X/485/1/012008
3. T H Nguyen, Q H Nguyen, G Coman, C Tran Dinh, V Le Hong, Thermodynamic properties of FCC interstitial alloy AuSi with defects, OP Conf. Series: Materials Science and Engineering (2019) 012018 IOP Publishing doi:10.1088/1757-899X/485/1/012018
4. Mathematical modelling and optimization of the thermomechanical treatment process applied to AlZn4.5Mg1Cu alloy, IOP Conf. Series: Materials Science and Engineering (2019) 012016 IOP Publishing doi:10.1088/1757-899X/485/1/012016
5. Gelu Coman, Gabriel - Bogdan Carp, Ion Ion, Alina Ceoromila, Nicusor Baroiu, Composite Materials Based on Autoclaved Aerated Concrete, Waste and Unsaturated Polyester Resin, MATERIALE PLASTICE, 56, No. 1, 2019
6. Nguyen T H, Q H Nguyen, G Coman, V Dinh Quang, C Tran Dinh, Thermodynamic properties of BCC interstitial alloy FeH under pressure, 2019 IOP Conf. Ser.: Mater. Sci. Eng. 485 012017 <https://doi.org/10.1088/1757-899X/485/1/012017>

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7. Spiru Paraschiv, Lizica-Simona Paraschiv, Marian Bordei, Viorel Dragan, „Analysis o temporal variation of NO2 concentrations in an urban area ”, SGEM 2018, Albena, Bulgaria, Volumul 18 - Energy and Clean Technologies, Issue 4.2, pp. 313-319, ISBN 978-619-7408-45-4.
8. Paraschiv Spiru, Paraschiv Lizica-Simona, Technical and economical analysis of a PV/wind/diesel hybrid power system for a remote area, Energy Procedia 147 (2018), pp. 343–350. <https://www.sciencedirect.com/science/article/pii/S1876610218302595>
9. Lizica-Simona Paraschiv, Spiru Paraschiv, Particle collection efficiency analysis of an electrostatic precipitator, 7th International Conference on Thermal Equipment, Renewable Energy and Rural Development TE-RE-RD 2018, Drobeta Turnu Severin – Romania, 31 May - 02 June 2018, pp. 491-494.

10. Ion V. Ion, F. Popescu, S.L. Paraschiv, S. Paraschiv, Performance analysis of a biogas-fueled gas turbine cogeneration system, 7th International Conference on Thermal Equipment, Renewable Energy and Rural Development TE-RE-RD 2018, Drobeta Turnu Severin – Romania, 31 May - 02 June 2018, pp.59-62.
11. Ion V.I., Popescu F., Paraschiv S.L., Paraschiv S., Heat requirement in an indoor recirculating aquaculture system, Proceedings of the Alternative energy sources, materials and technologies (AESMT'18), 14 - 15 May, 2018, Plovdiv, Bulgaria
12. Uzuneanu, K. Increasing the efficiency of thermal collectors by using thermal tubes, 7th International Conference on Thermal Equipment, Renewable Energy and Rural Development TE-RE-RD 2018, Drobeta Turnu Severin – Romania, 31 May - 02 June 2018, pp. 139-142. <http://www.tererd.pub.ro/wp-content/uploads/2015/01/Proceedings-TE-RE-RD-2018-CD-ROM.pdf>
13. Uzuneanu, K., Ugur Akyol, Carmen Ema Panaite, Aristotel Popescu - Energetic analysis of a CCHP system with Stirling engine for residential buildings- 4th Anatolian Energy Symposium with International Participation (EDIRNE 18-20 April 2018) <https://aes2018-en.trakya.edu.tr/>
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15. Frățița M., K. Uzuneanu, D. T Balanescu- About I- Beam versus H-beam connecting rod design using Inventor Autodesk 2018 <http://iopscience.iop.org/issue/1757-899X/444/8> IOP Conf. Series: Materials Science and Engineering 444 (2018) 072008 doi:10.1088/1757-899X/444/7/072008
16. Uzuneanu K., Theoretical study on performance of a combined steam and gas turbine propulsion system for road transport <http://iopscience.iop.org/issue/1757-899X/444/8> IOP Conf. Series: Materials Science and Engineering 444 (2018) 082026 doi:10.1088/1757-899X/444/8/082026
17. Panaite C E, A Popescu, V M Homutescu, K Uzuneanu, Performance Assessment of a Solar-Powered Adsorption Air Conditioning System <http://iopscience.iop.org/issue/1757-899X/444/8> IOP Conf. Series: Materials Science and Engineering 444 (2018) 082027 doi:10.1088/1757-899X/444/8/082027
18. Popa C.L., Viorel Popa, Using auto-cad environment to profile the revolution tools generating helical rotors with involute undercutting profiled lobes, January 2018, Academic Journal of Manufacturing Engineering 16(1):151-154
19. Popa V, C L Popa, Study concerning the influence of refrigerant injection on the efficiency of a heat pump, IOP Conference Series: Materials Science and Engineering, Volume 444, 2018, IOP Conf. Ser.: Mater. Sci. Eng.444082011
20. Popa V, C L Popa, Increasing the air source heat pump efficiency at low ambient temperature by using a two-phase ejector, IOP Conference Series: Materials Science and Engineering, Volume 444, 2018 IOP Conf. Ser.: Mater. Sci. Eng.444082010

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23. Popa Camelia Lăcrămioara, PopaViorel, Profiling disk tool for generating female rotor screw compressor component by meaning of graphical method, Procedia Manufacturing, Volume 22, 2018, Pages 85-92
24. Gelu COMAN, Mugurel Salvadore BURCIU, Nicușor BAROIU.” Vehicles emissions under different driving conditions in urban areas”, Revista de Chimie, REV.CHIM.(Bucharest) 70 No. 2 2019 <http://www.revistadechimie.ro>
25. Burciu S M, Coman G, A comparative study of smoke emissions between idling regimes and high load regimes for a standard diesel direct injection car”, autori, <https://iopscience.iop.org/article/10.1088/1757-899X/444/7/072018>

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27. Paraschiv S., Paraschiv L. S., A review on interactions between energy performance of the buildings, outdoor air pollution and the indoor air quality, Energy Procedia, Volume 128, September 2017, Pages 179-186
28. Spiru Paraschiv, Daniel-Eduard Constantin, Simona-Lizica Paraschiv, Mirela Voiculescu, OMI and Ground-Based In-Situ Tropospheric Nitrogen Dioxide Observations over Several Important European Cities during 2005–2014, Int J Environ Res Public Health. 2017 Nov; 14(11): 1415.
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30. Paraschiv Lizica Simona, Paraschiv Spiru, Ion V.Ion, Increasing the energy efficiency of buildings by thermal insulation, Energy Procedia, Volume 128, September 2017, Pages 393-399
31. Viorel Popa, Camelia Popa, Theoretical Analysis for Solar Driven Mechanical Refrigeration Systems, Energy Procedia, Volume 112, March 2017, Pages 442-449
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