

No	ARTICLE OR REVIEW (published in UEFISCDI red zone journals)	2016 Impact Factor (IF)		2016 Article Influence Score (AIS)	
		Value ¹	Rank ^{1,2}	Value ¹	Rank ²
1.	Abdullah, A.D., Gisen, J.I.A., van der Zaag, P., Savenije, H.H.G., Karim, U.F.A., Masih, I., Popescu, I. Predicting the salt water intrusion in the Shatt al-Arab estuary using an analytical approach, HYDROLOGY AND EARTH SYSTEM SCIENCES, Volume: 20, Issue: 10, Pages: 4031-4042, ISSN: 1027-5606, eISSN: 1607-7938, 2016;	4.437	3/88 12/188	1.533	19/184 2/86
2.	Ardit, M., Borcanescu, S., Cruciani, G., Dondi, M., Lazau, I., Pacurariu, C., Zanelli, C. Ni-Ti Codoped Hibonite Ceramic Pigments by Combustion Synthesis: Crystal Structure and Optical Properties, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, Volume: 99, Issue: 5, Pages: 1749-1760, ISSN: 0002-7820, eISSN: 1551-2916, 2016;	2.841	3/26	0.663	2/25
3.	Beevers, L., Popescu, I., Pan, Q., Pender, D. Applicability of a coastal morphodynamic model for fluvial environments, ENVIRONMENTAL MODELLING & SOFTWARE, Volume: 80, Pages: 83-99, ISSN: 1364-8152, eISSN: 1873-6726, 2016;	4.404	6/105 8/49 25/229	1.21	15/103 6/49 32/228
4.	Belega, D., Petri, D., Dallet, D. Impact of harmonics on the interpolated DFT frequency estimator, MECHANICAL SYSTEMS AND SIGNAL PROCESSING, Volume: 66-67, Pages: 349-360, ISSN: 0888-3270, 2016;	4.116	4/130	1.068	5/129
5.	Binzar, T., Pater, F., Nadaban, S. On fuzzy normed algebras, JOURNAL OF NONLINEAR SCIENCES AND APPLICATIONS, Volume: 9, Issue: 9, Pages: 5488-5496, ISSN: 2008-1898, eISSN: 2008-1901, 2016;	1.34	28/311 (2016)	–	–
6.	Bistrieanu, D.A., Susan-Resiga, R.F. Weighted proper orthogonal decomposition of the swirling flow exiting the hydraulic turbine runner, APPLIED MATHEMATICAL MODELLING, Volume: 40, Issue: 5-6, Pages: 4057-4078, ISSN: 0307-904X, eISSN: 1872-8480, 2016;	2.35	20/85 19/100	0.718	14/85
7.	Boboescu, I.Z., Gherman, V.D., Lakatos, G., Pap, B., Biro, T., Maroti, G. Surpassing the current limitations of biohydrogen production systems: The case for a novel hybrid approach, BIORESOURCE TECHNOLOGY, Volume: 204, Pages: 192-201, PubMed ID: 26790867, ISSN: 0960-8524, eISSN: 1873-2976, 2016;	5.651	1/14 14/160 9/92	1.037	1/13 38/157 18/88
8.	Brzdek, J., Cadariu, L. Stability for a family of equations generalizing the equation of p-Wright affine functions, APPLIED MATHEMATICS AND COMPUTATION, Volume: 276, Pages: 158-171, ISSN: 0096-3003, eISSN: 1873-5649, 2016;	1.738	35/225	–	–
9.	Bunia, I., Socoliuc, V., Vekas, L., Doroftei, F., Varganici, C., Coroaba, A., Simionescu, B.C., Mihai, M. Superparamagnetic Composites Based on Ionic Resin Beads/CaCO ₃ /Magnetite, CHEMISTRY-A EUROPEAN JOURNAL, Volume: 22, Issue: 50, Pages: 18036-18044, PubMed ID: 27805763, ISSN: 0947-6539, eISSN: 1521-3765, 2016;	5.317	29/166	1.337	32/162
10.	Buse, C., O'Regan, D., Saierli, O., Tabassum, A. Hyers-Ulam stability and discrete dichotomy for difference periodic systems, BULLETIN DES SCIENCES MATHÉMATIQUES, Volume: 140, Issue: 8, Pages: 908-934, ISSN: 0007-4497, eISSN: 1952-4773, 2016;	–	–	1.12	47/252
11.	Cindea, L., Hatiegan, C., Pop, N., Negrea, R., Raduca, E., Gillich, G.R., Danut, M., Nedeloni, M.D. The influence of thermal field in the electric arc welding of X60 carbon steel components in the CO ₂ environment, APPLIED THERMAL ENGINEERING, Volume: 103, Pages: 1164-1175, ISSN: 1359-4311, 2016;	3.444	8/58 12/130 10/133	0.639	29/129 14/57
12.	Ciocan, T., Susan-Resiga, R.F., Muntean, S. Modelling and optimization of the velocity profiles at the draft tube inlet of a Francis turbine within an operating range, JOURNAL OF HYDRAULIC RESEARCH, Volume: 54, Issue: 1, Pages: 74-89, ISSN: 0022-1686, eISSN: 1814-2079, 2016;	–	–	0.673	21/123 19/86
13.	Cires, I., Nani, V-M. Stability control for a huge excavator for surface excavation, APPLIED MATHEMATICAL MODELLING, Volume: 40, Issue: 1, Pages: 388-397, ISSN: 0307-904X, eISSN: 1872-8480, 2016;	2.35	20/85 19/100	0.718	14/85
14.	Cogliati, A., Canavesi, C., Hayes, A., Tankam, P., Duma, V.F., Santhanam, A., Thompson, K.P., Rolland, J.P. MEMS-based handheld scanning probe with pre-shaped input signals for distortion-free images in Gabor-domain optical coherence microscopy, OPTICS EXPRESS, Volume: 24, Issue: 12, Pages: 13365-13374, PubMed ID: 27410354, ISSN: 1094-4087, 2016;	3.307	17/92	0.862	22/92
15.	Craciunescu, C., Ercuta, A. Shape memory microactuation design by substrate's reinforcement layers, MATERIALS & DESIGN, Volume: 96, Pages: 364-369, ISSN: 0261-3069, eISSN: 1873-4197, 2016;	4.364	46/275	0.956	55/264 (2015)
16.	Crisan, A., Dubina, D. Bending-shear interaction in short coupling steel beams with reduced beam section, JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH, Volume: 122, Pages: 190-197, ISSN: 0143-974X, eISSN: 1873-5983, 2016;	–	–	0.631	13/60 25/123

17.	Curiac, D.I. Towards wireless sensor, actuator and robot networks: Conceptual framework, challenges and perspectives, JOURNAL OF NETWORK AND COMPUTER APPLICATIONS, Volume: 63, Pages: 14-23, ISSN: 1084-8045, 2016;	3.5	6/52 15/105 6/106	–	–
18.	Curiac, D.I. Wireless Sensor Network Security Enhancement Using Directional Antennas: State of the Art and Research Challenges, SENSORS, Volume: 16, Issue: 4, Article Number: 488, ISSN: 1424-8220, 2016;	2.677	10/58	–	–
19.	Dinu, F., Marginean, I., Dubina, D., Petran, I. Experimental testing and numerical analysis of 3D steel frame system under column loss, ENGINEERING STRUCTURES, Volume: 113, Pages: 59-70, ISSN: 0141-0296, eISSN: 1873-7323, 2016;	2.258	26/125	0.741	17/123
20.	Ene, R.D., Marinca, V., Marinca, B. Analytic Approximate Solutions to the Boundary Layer Flow Equation over a Stretching Wall with Partial Slip at the Boundary, PLOS ONE, Volume: 11, Issue: 3, Article Number: e0149334, ISSN: 1932-6203, 2016;	2.806	15/64	1.053	13/63
21.	Epee, M.D.E., Mezei, J.Z., Motapon, O., Pop, N., Schneider, I.F. Reactive collisions of very low-energy electrons with H-2(+): rotational transitions and dissociative recombination, MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, Volume: 455, Issue: 1, Pages: 276-281, ISSN: 0035-8711, eISSN: 1365-2966, 2016;	4.961	11/63	1.461	16/63
22.	Fagadar-Cosma, E., Sebarchievici, I., Lascu, A., Creanga, I., Palade, A., Birdeanu, M., Taranu, B., Fagadar-Cosma, G. Optical and electrochemical behavior of new nano-sized complexes based on gold-colloid and Co-porphyrin derivative in the presence of H2O2, JOURNAL OF ALLOYS AND COMPOUNDS, Volume: 686, Pages: 896-904, ISSN: 0925-8388, eISSN: 1873-4669, 2016;	3.133	66/275 5/74	0.552	12/73
23.	Filip, I., Szeidert, I. Adaptive fuzzy PI controller with shifted control singletons, EXPERT SYSTEMS WITH APPLICATIONS, Volume: 54, Pages: 1-12, ISSN: 0957-4174, eISSN: 1873-6793, 2016;	3.928	18/133 37/262 3/83	–	–
24.	Gheju, M., Balcu, I., Mosoarca, G. Removal of Cr(VI) from aqueous solutions by adsorption on MnO2, JOURNAL OF HAZARDOUS MATERIALS, Volume: 310, Pages: 270-277, ISSN: 0304-3894, eISSN: 1873-3336, 2016;	6.065	5/49 13/229 1/125	1.173	4/123 7/49 35/228
25.	Gheju, M., Balcu, I., Vancea, C. An investigation of Cr(VI) removal with metallic iron in the co presence of sand and/or MnO2, JOURNAL OF ENVIRONMENTAL MANAGEMENT, Volume: 170, Pages: 145-151, ISSN: 0301-4797, eISSN: 1095-8630, 2016;	4.01	39/229	0.996	48/228
26.	Hadaruga, D.I., Costescu, C.I., Corpas, L., Hadaruga, N.G., Isengard, H.D. Differentiation of rye and wheat flour as well as mixtures by using the kinetics of Karl Fischer water titration, FOOD CHEMISTRY, Volume: 195, Pages: 49-55, ISSN: 0308-8146, eISSN: 1873-7072, 2016;	4.529	10/81 7/72 6/130	0.906	5/71 13/123
27.	Herrmann, M., Ottesteanu, M., A MAP estimator based on geometric Brownian motion for sample distances of laser triangulation data, OPTICS AND LASERS IN ENGINEERING, Volume: 86, Pages: 98-105, ISSN: 0143-8166, eISSN: 1873-0302, 2016;	2.769	23/92	–	–
28.	Ianos, R., Istrate, R., Pacurariu, C., Lazau, R. Solution combustion synthesis of strontium aluminate, SrAl2O4, powders: single-fuel versus fuel-mixture approach, PHYSICAL CHEMISTRY CHEMICAL PHYSICS, Volume: 18, Issue: 2, Pages: 1150-1157, ISSN: 1463-9076, eISSN: 1463-9084, 2016;	4.123	17/92	1.124	36/144 8/35
29.	Ioan, A., Stratan, A., Dubina, D., Poljansek, M., Molina, F.J., Taucer, F., Pegon, P., Sabau, G. Experimental validation of re-centring capability of eccentrically braced frames with removable links, ENGINEERING STRUCTURES, Volume: 113, Pages: 335-346, ISSN: 0141-0296, eISSN: 1873-7323, 2016;	2.258	26/125	0.741	17/123
30.	Jung, H.Y., Stoica, M., Yi, S., Kim, D.H., Eckert, J. Preparation of cast-iron-based nanocrystalline alloy with Cu and Nb addition, INTERMETALLICS, Volume: 69, Pages: 54-61, ISSN: 0966-9795, eISSN: 1879-0216, 2016;	3.14	65/275 4/74	0.721	5/73
31.	Kalluf, F.J.H., Isfanuti, A.S., Tutelea, L.N., Moldovan-Popa, A., Boldea, I. 1-kW 2000-4500 r/min Ferrite PMSM Drive: Comprehensive Characterization and Two Sensorless Control Options, IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Volume: 52, Issue: 5, Pages: 3980-3989, ISSN: 0093-9994, eISSN: 1939-9367, 2016;	2.937	13/85 63/262	0.958	62/257 7/85
32.	Ledeti, I., Ledeti, A., Vlase, G., Vlase, T., Matusz, P., Bercean, V., Suta, L.M., Piciu, D. Thermal stability of synthetic thyroid hormone L-thyroxine and L-thyroxine sodium salt hydrate both pure and in pharmaceutical formulations, JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, Volume: 125, Pages: 33-40, PubMed ID: 26999320, ISSN: 0731-7085, eISSN: 1873-264X, 2016;	3.255	18/76	–	–
33.	Malaescu, I., Lungu, A., Marin, C.N., Vlazan, P., Sfirloaga, P., Turi, G.M. Experimental investigations of the structural transformations induced by the heat treatment in manganese ferrite synthesized by ultrasonic assisted co-precipitation method, CERAMICS INTERNATIONAL, Volume: 42, Issue: 15, Pages: 16744-16748, ISSN: 0272-8842, eISSN: 1873-3956, 2016;	2.986	2/26	0.46	4/25
34.	Marsavina, L., Kovacik, J., Linul, E. Experimental validation of micromechanical models for brittle aluminium alloy foam, THEORETICAL AND APPLIED FRACTURE MECHANICS, Volume: 83, Pages: 11-18, ISSN: 0167-8442, eISSN: 1872-7638, 2016;	2.659	24/130 21/133	–	–

35.	Mezei, J.Z., Colboc, F., Pop, N., Ilie, S., Chakrabarti, K., Niyonzima, S., Lepers, M., Bultel, A., Dulieu, O., Motapon, O., Tennyson, J., Hassouni, K., Schneider, I.F. Dissociative recombination and vibrational excitation of BF ⁺ in low energy electron collisions, PLASMA SOURCES SCIENCE & TECHNOLOGY, Volume: 25, Issue: 5, Article Number: 055022, ISSN: 0963-0252, eISSN: 1361-6595, 2016;	3.302	3/31	0.837	7/30
36.	Modler, N., Winkler, A., Filippatos, A., Lovasz, E.C., Margineanu, D. Simulation and experimental investigation of active lightweight compliant mechanisms with integrated piezoceramic actuators, SMART MATERIALS AND STRUCTURES, Volume: 25, Issue: 8, Article Number: 085047, ISSN: 0964-1726, eISSN: 1361-665X, 2016;	2.909	6/58	0.767	8/58
37.	Montiel, J., Szucs, A., Boboescu, I.Z., Gherman, V.D., Kondorosi, E., Kereszt, A. Terminal Bacteroid Differentiation Is Associated With Variable Morphological Changes in Legume Species Belonging to the Inverted Repeat-Lacking Clade, MOLECULAR PLANT-MICROBE INTERACTIONS, Volume: 29, Issue: 3, Pages: 210-219, PubMed ID: 26713350, ISSN: 0894-0282, eISSN: 1943-7706, 2016;	4.332	69/290 25/160 19/212	1.369	19/157 19/201
38.	Motoc, S., Manea, F., Iacob, A., Martinez-Joaristi, A., Gascon, J., Pop, A., Schoonman, J. Electrochemical Selective and Simultaneous Detection of Diclofenac and Ibuprofen in Aqueous Solution Using HKUST-1 Metal-Organic Framework-Carbon Nanofiber Composite Electrode, SENSORS, Volume: 16, Issue: 10, Article Number: 1719, ISSN: 1424-8220, 2016;	2.677	10/58	–	–
39.	Negru, R., Serban, D.A., Marsavina, L., Magda, A. Lifetime prediction in medium-cycle fatigue regime of notched specimens, THEORETICAL AND APPLIED FRACTURE MECHANICS, Volume: 84, Special Issue: SI, Pages: 140-148, ISSN: 0167-8442, eISSN: 1872-7638, 2016;	2.659	24/130 21/133	–	–
40.	Nelson, J.D.B., Nafornita, C., Isar, A. Semi-Local Scaling Exponent Estimation With Box-Penalty Constraints and Total-Variation Regularization, IEEE TRANSACTIONS ON IMAGE PROCESSING, Volume: 25, Issue: 7, Pages: 3167-3181, ISSN: 1057-7149, eISSN: 1941-0042, 2016;	4.828	13/133 22/262	1.826	10/127 17/257
41.	Nicoara, M., Raduta, A., Parthiban, R., Locovei, C., Eckert, J., Stoica, M. Low Young's modulus Ti-based porous bulk glassy alloy without cytotoxic elements, ACTA BIOMATERIALIA, Volume: 36, Pages: 323-331, ISSN: 1742-7061, eISSN: 1878-7568, 2016;	6.319	3/77 2/33	1.476	4/75 2/32
42.	Niculescu, M., Sasca, V., Muntean, C., Milea, M.S., Rosu, D. Pascariu, M.C., Sisu, E., Ursoiu, I., Pode, V., Budrugaec, P. Thermal behavior studies of the homopolynuclear coordination compound iron(III) polyoxalate, THERMOCHIMICA ACTA, Volume: 623, Pages: 36-42, ISSN: 0040-6031, eISSN: 1872-762X, 2016;	–	–	0.551	15/57
43.	Paulescu, M., Stefu, N., Calinoiu, D., Paulescu, E., Pop, N., Boata, R., Mares, O. Angstrom-PreScott equation: Physical basis, empirical models and sensitivity analysis, RENEWABLE & SUSTAINABLE ENERGY REVIEWS, Volume: 62, Pages: 495-506, ISSN: 1364-0321, 2016;	8.05	2/31 5/92	1.682	6/88 4/30
44.	Petrisor, C. Stabilization of a nonlinear control system on the Lie group SO(3) x R-3 x R-3, JOURNAL OF NONLINEAR SCIENCES AND APPLICATIONS, Volume: 9, Issue: 5, Pages: 2019-2030, ISSN: 2008-1898, eISSN: 2008-1901, 2016;	1.34	28/311 (2016)	–	–
45.	Petrovic, A., Lelea, D., Laza, I. The comparative analysis on using the NEPCM materials and nanofluids for microchannel cooling solutions, INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, Volume: 79, Pages: 39-45, ISSN: 0735-1933, eISSN: 1879-0178, 2016;	3.718	4/58 7/133	0.742	13/57
46.	Radac, M.B., Precup, R.E. Model-free constrained data-driven iterative reference input tuning algorithm with experimental validation, INTERNATIONAL JOURNAL OF GENERAL SYSTEMS, Volume: 45, Issue: 4, Pages: 455-476, ISSN: 0308-1079, eISSN: 1563-5104, 2016;	2.49	22/104	–	–
47.	Radac, M.B., Precup, R.E. Three-level hierarchical model-free learning approach to trajectory tracking control, ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, Volume: 55, Pages: 103-118, ISSN: 0952-1976, eISSN: 1873-6769, 2016;	2.894	15/60 32/133 14/85	0.744	12/85
48.	Raduta, A., Nicoara, M., Locovei, C., Eckert, J., Stoica, M. Ti-based bulk glassy composites obtained by replacement of Ni with Ga, INTERMETALLICS, Volume: 69, Pages: 28-34, ISSN: 0966-9795, eISSN: 1879-0216, 2016;	3.14	65/275 4/74	0.721	5/73
49.	Ramasamy, P., Szabo, A., Borzel, S., Eckert, J., Stoica, M., Bardos, A. High pressure die casting of Fe-based metallic glass, SCIENTIFIC REPORTS, Volume: 6, Article Number: 35258, PubMed ID: 27725780, ISSN: 2045-2322, 2016;	4.259	10/64	1.484	11/63
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51.	Sahebkar, A., Gurban, C., Serban, A., Andrica, F., Serban, M.C. Effects of supplementation with pomegranate juice on plasma C-reactive protein concentrations: A systematic review and meta-analysis of randomized controlled trials, PHYTOMEDICINE, Volume: 23, Issue: 11, Special Issue: SI, Pages: 1095-1102, PubMed ID: 26922037, ISSN: 0944-7113, eISSN: 1618-095X, 2016;	3.526	59/257 26/212 12/60 2/26	0.686	1/23
52.	Sarac, B., Zhang, L., Kosiba, K., Pauly, S., Stoica, M., Eckert, J. Towards the Better: Intrinsic Property Amelioration in Bulk Metallic Glasses, SCIENTIFIC REPORTS, Volume: 6, Article Number: 27271, PubMed ID: 27273477, ISSN: 2045-2322, 2016;	4.259	10/64	1.484	11/63

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58.	Stefu, N., Paulescu, M., Blaga, R., Calinoiu, D., Pop, N., Boata, R., Paulescu, E. A theoretical framework for Angstrom equation. Its virtues and liabilities in solar energy estimation, ENERGY CONVERSION AND MANAGEMENT, Volume: 112, Pages: 236-245, ISSN: 0196-8904, eISSN: 1879-2227, 2016;	5.589	2/58 10/92 4/133	0.89	21/133 6/57
59.	Tekle-Rottering, A., Jewell, K.S., Reisz, E., Lutze, H.V., Ternes, T.A., Schmidt, W., Schmidt, T.C. Ozonation of piperidine, piperazine and morpholine: Kinetics, stoichiometry, product formation and mechanistic considerations, WATER RESEARCH, Volume: 88, Pages: 960-971, PubMed ID: 26624229, ISSN: 0043-1354, 2016;	6.942	1/88 2/49 8/229	1.617	3/49 18/228 1/86
60.	Tekle-Rottering, A., Reisz, E., Jewell, K.S., Lutze, H.V., Ternes, T.A., Schmidt, W., Schmidt, T.C. Ozonation of pyridine and other N-heterocyclic aromatic compounds: Kinetics, stoichiometry, identification of products and elucidation of pathways, WATER RESEARCH, Volume: 102, Pages: 582-593, PubMed ID: 27448509, ISSN: 0043-1354, 2016;	6.942	1/88 2/49 8/229	1.617	3/49 18/228 1/86
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62.	Tiwari, A.K., Albulescu, C.T. Oil price and exchange rate in India: Fresh evidence from continuous wavelet approach and asymmetric, multi-horizon Granger-causality tests, APPLIED ENERGY, Volume: 179, Pages: 272-283, ISSN: 0306-2619, eISSN: 1872-9118, 2016;	7.182	6/92 4/135	1.306	11/88 6/132
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66.	Udrescu, L., Sbarcea, L., Topirceanu, A., Iovanovici, A., Kurunczi, L., Bogdan, P., Udrescu, M. Clustering drug-drug interaction networks with energy model layouts: community analysis and drug repurposing, SCIENTIFIC REPORTS, Volume: 6, Article Number: 32745, PubMed ID: 27599720, ISSN: 2045-2322, 2016;	4.259	10/64	1.484	11/63
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¹ The data was obtained from Web of Science - Clarivate Analytics (www.webofknowledge.com)

² The data was obtained from UEFISCDI (<https://uefiscdi.gov.ro/scientometrie-reviste>)