

Gabriel Lazar

List of Publications by Year in descending order

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58
papers

785
citations

471509

17
h-index

580821

25
g-index

58
all docs

58
docs citations

58
times ranked

926
citing authors

#	ARTICLE	IF	CITATIONS
1	SWOT Anlysis of E-learning Educational Services from the Perspective of their Beneficiaries. Procedia, Social and Behavioral Sciences, 2014, 116, 1999-2003.	0.5	101
2	IR characterization of a-C:H:N films sputtered in Ar/CH ₄ /N ₂ plasma. Journal of Non-Crystalline Solids, 2003, 331, 70-78.	3.1	47
3	Synthesis, characterization and application of gelatin-carboxymethyl cellulose blend films for preservation of cherry tomatoes and grapes. Journal of Food Science and Technology, 2019, 56, 3099-3108.	2.8	42
4	Electrokinetic oxidant soil flushing: A solution for in situ remediation of hydrocarbons polluted soils. Journal of Electroanalytical Chemistry, 2017, 799, 1-8.	3.8	39
5	Spectroscopic study using FTIR, Raman, XPS and NEXAFS of carbon nitride thin films deposited by RF magnetron sputtering. Thin Solid Films, 2005, 482, 167-171.	1.8	33
6	Electrokinetic-Fenton technology for the remediation of hydrocarbons historically polluted sites. Chemosphere, 2016, 156, 347-356.	8.2	33
7	Evaluation of different cathodes and reaction parameters on the enhancement of the electro-Fenton process. Journal of Electroanalytical Chemistry, 2018, 808, 455-463.	3.8	29
8	A multimetric index for assessment of aquatic ecosystem health based on macroinvertebrates for the Zio river basin in Togo. Limnologia, 2020, 83, 125783.	1.5	29
9	Soil flushing and simultaneous degradation of organic pollutants in soils by electrokinetic-Fenton treatment. Chemical Engineering Research and Design, 2017, 108, 99-107.	5.6	28
10	Dynamics in the boundary layer of a flat particle. Powder Technology, 2012, 221, 312-317.	4.2	26
11	Influence on the sp ³ /sp ² character of the carbon on the insertion of nitrogen in RFMS carbon nitride films. Diamond and Related Materials, 2008, 17, 700-704.	3.9	24
12	Effect of the RF power and deposition temperature on the electrical and vibrational properties of carbon nitride films. Diamond and Related Materials, 2003, 12, 201-207.	3.9	23
13	Electro-Fenton process for implementation of acid black liquor waste treatment. Science of the Total Environment, 2018, 635, 397-404.	8.0	23
14	Modified flash flood potential index in order to estimate areas with predisposition to water accumulation. Open Geosciences, 2018, 10, 593-606.	1.7	21
15	Highly active based iron-carbonaceous cathodes for heterogeneous electro-Fenton process: Application to degradation of parabens. Chemical Engineering Research and Design, 2018, 117, 363-371.	5.6	21
16	Band tail hopping conduction mechanism in highly conductive amorphous carbon nitride thin films. Applied Physics Letters, 2004, 85, 6176-6178.	3.3	20
17	Structural properties of nitrogenated amorphous carbon films: Influence of deposition temperature and radiofrequency discharge power. Journal of Applied Physics, 2008, 104, .	2.5	17
18	Water-poverty relationships in the coastal town of Mbour (Senegal): Relevance of GIS for decision support. International Journal of Applied Earth Observation and Geoinformation, 2012, 14, 33-39.	2.8	15

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19	Generalized lift force for complex fluid. Powder Technology, 2013, 235, 685-695.	4.2	15
20	Influence of the substrate-electrode applied bias voltage on the properties of sputtered a-C:H thin films. Journal of Physics Condensed Matter, 2001, 13, 3011-3021.	1.8	14
21	Identification of elements exposed to flood hazard in a section of Trotus River, Romania. Geomatics, Natural Hazards and Risk, 2018, 9, 950-969.	4.3	13
22	Quantitative micro-scale flood risk assessment in a section of the Trotuș™ River, Romania. Land Use Policy, 2020, 95, 103881.	5.6	13
23	Cluster Analysis Based of Geochemical Properties of Phosphogypsum Dump Located Near Bacau City in Romania. APCBEE Procedia, 2013, 5, 317-322.	0.5	12
24	Effects of study levels on students' attitudes towards interactive whiteboards in higher education. Computers in Human Behavior, 2016, 54, 278-289.	8.5	12
25	Possible Environmental Risks of Photocatalysis used for Water and Air Depollution - Case of Phosgene Generation. APCBEE Procedia, 2013, 5, 181-185.	0.5	11
26	Spectral and chemometric analyses reveal antioxidant properties of essential oils from four Cameroonian Ocimum. Industrial Crops and Products, 2016, 80, 101-108.	5.2	10
27	EFFECTS OF THE ENVIRONMENTAL STRESS ON TWO FISH POPULATIONS REVEALED BY STATISTICAL AND SPECTRAL ANALYSIS. Environmental Engineering and Management Journal, 2012, 11, 109-124.	0.6	10
28	DEMARICATION OF PROTECTION PERIMETERS FOR SURFACE WATERS OF TAABO (IVORY COAST) WATERSHED USING GIS AND MULTICRITERIA ANALYSIS. Environmental Engineering and Management Journal, 2012, 11, 2123-2131.	0.6	10
29	Some properties of sputtered a-C:H. Journal of Non-Crystalline Solids, 2002, 299-302, 835-839.	3.1	8
30	ATR-FTIR CHARACTERIZATION AND CLASSIFICATION OF AVOCADO OILS FROM FIVE CAMEROON CULTIVARS EXTRACTED WITH A FRIENDLY ENVIRONMENTAL PROCESS. Environmental Engineering and Management Journal, 2013, 12, 97-103.	0.6	8
31	Solid components separation from heterogeneous mixtures through turbulence control. Powder Technology, 2015, 284, 170-186.	4.2	6
32	Non-linear behaviours in complex fluid dynamics via non-differentiability. Separation control of the solid components from heterogeneous mixtures. Powder Technology, 2015, 269, 452-460.	4.2	6
33	Some peculiarities in ultraviolet absorption spectra for hydrogenated amorphous carbon thin films. Materials Letters, 2002, 57, 586-588.	2.6	5
34	EFFECTIVNESS OF SOIL AND WATER ASSESSMENT TOOL MODEL TO SIMULATE WATER FLOW IN A LARGE AGRICULTURAL COMPLEX WATERSHED: CASE OF BUYO LAKE BASIN, WEST OF COTE D'IVOIRE. Environmental Engineering and Management Journal, 2014, 13, 1735-1742.	0.6	5
35	IMPACT OF AGRICULTURE ON THE QUALITY OF GROUNDWATER RESOURCES IN PERI-URBAN ZONE OF SONGON (COTE D'IVOIRE). Environmental Engineering and Management Journal, 2012, 11, 2175-2184.	0.6	5
36	Conduction mechanism for sputtered a-C:H based structures. Journal of Non-Crystalline Solids, 2006, 352, 2096-2099.	3.1	4

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37	Ä'no Interactive Whiteboards as an Innovative Eco-technology Solution in Teaching Science and Technological Subjects. APCBEE Procedia, 2013, 5, 312-316.	0.5	4
38	EXPLORATORY SPATIAL DATA ANALYSIS OF HEAVY METALS CONCENTRATION IN TWO SAMPLING SITES ON SIRET RIVER. Environmental Engineering and Management Journal, 2014, 13, 2179-2186.	0.6	4
39	MITIGATION OF HAZARDOUS AIR POLLUTANT EMISSIONS: VACUUM vs. CONVENTIONAL SEWER SYSTEM. Environmental Engineering and Management Journal, 2017, 16, 809-819.	0.6	4
40	DC magnetron power dependence of a-SiC:H IR absorption properties. Journal of Non-Crystalline Solids, 2008, 354, 61-64.	3.1	3
41	Dimensional effects observed for the electrical, dielectrical and optical properties of TiO ₂ DC magnetron thin films. Journal of Materials Science: Materials in Electronics, 2009, 20, 117-122.	2.2	3
42	Optimization of the response times of the feed kinematical linkages of the numerical control machine tools in order to minimize the path error. Meccanica, 2012, 47, 1217-1227.	2.0	3
43	NOISE SOURCES CHARACTERIZATION INSIDE AND OUTSIDE A FACTORY. Environmental Engineering and Management Journal, 2012, 11, 701-708.	0.6	3
44	BUILDING AN INTEGRATED ENVIRONMENTAL MONITORING SYSTEM FOR HEAVY METALS IN ROMANIAN SOILS: MOLDOVA REGION CASE STUDY. Environmental Engineering and Management Journal, 2012, 11, 2185-2201.	0.6	3
45	CHANGES IN GROWTH OF WHEAT PLANTLETS INDUCED BY THE ACTION OF THIAMETHOXAM AND THIOPHANATE-METHYL ON SEEDS. Environmental Engineering and Management Journal, 2013, 12, 85-96.	0.6	3
46	CONVENTIONAL vs. VACUUM SEWERAGE SYSTEM IN RURAL AREAS - AN ECONOMIC AND ENVIRONMENTAL APPROACH. Environmental Engineering and Management Journal, 2014, 13, 1847-1859.	0.6	3
47	ASSESSMENT OF SOIL EROSION USING FOURNIER INDEXES TO ESTIMATE RAINFALL EROSIVITY. Environmental Engineering and Management Journal, 2019, 18, 1739-1745.	0.6	3
48	Modifications Induced by UV-Vis Irradiation on DNA Extract of Kiwifruit Investigated by Spectroscopic and Statistic Methods. Spectroscopy Letters, 2013, 46, 81-86.	1.0	2
49	TECHNICAL SOLUTION TO REDUCE SOIL EROSION PRODUCED BY TAZLAU RIVER IN TARATA PERIMETER, ROMANIA. Environmental Engineering and Management Journal, 2014, 13, 1971-1978.	0.6	2
50	DRIVING FORCES AFFECTING THE ADOPTION OF ECO-INNOVATION: A SURVEY ON VACUUM SEWER SYSTEMS. Environmental Engineering and Management Journal, 2016, 15, 589-598.	0.6	2
51	Spectral Investigation of Phosphorus Compounds in <i>Spinacia Oleracea</i> Using Fourier Transform Infrared Method. Spectroscopy Letters, 2015, 48, 726-731.	1.0	1
52	MACRO AND ULTRA-MICRO SCALE CHANGES OF RAPESEED SEEDLINGS GERMINATED FROM SEEDS EXPOSED TO UVA-VIS RADIATIONS. Environmental Engineering and Management Journal, 2013, 12, 49-57.	0.6	1
53	IMPROVING FOOD SECURITY USING GIS DATABASE FOR MECHANIZED RICE FARMS MANAGEMENT IN NORTHWESTERN COTE D'IVOIRE. Environmental Engineering and Management Journal, 2013, 12, 41-48.	0.6	1
54	APPLICATION OF DIGITAL MAPPING (GIS) TO DELINEATE FLOODPLAINS IN LOWER GUINEA, REPUBLIC OF GUINEA. Environmental Engineering and Management Journal, 2014, 13, 1713-1719.	0.6	1

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55	ANALYSIS OF HYDRIC EROSION PRODUCED BY THE SIRET RIVER, ROMANIA DURING 1989 - 2008. Environmental Engineering and Management Journal, 2016, 15, 537-544.	0.6	1
56	Impact of Green Products on Romaian Consumers. Annals of DAAAM & Proceedings, 2012, , 0997-1000.	0.1	0
57	Studies and Research on the Building of a Stabilizing Platform for Aerial Photogrammetry. Annals of DAAAM & Proceedings, 2012, , 0841-0846.	0.1	0
58	IMPROVING TEACHING AND LEARNING ACTIVITIES BY IMPROVING E-TEXTBOOK PERFORMANCE. EDULEARN Proceedings, 2018, , .	0.0	0