



Citation Report

Academy of Romanian Scientists (AOSR) (Affiliation)

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Publications

2,112

Total

From 1975 to 2022

Citing Articles

11,375

Total

10,445
Without self-citations

Times Cited

15,245

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13,078

Without self-citations

7.22

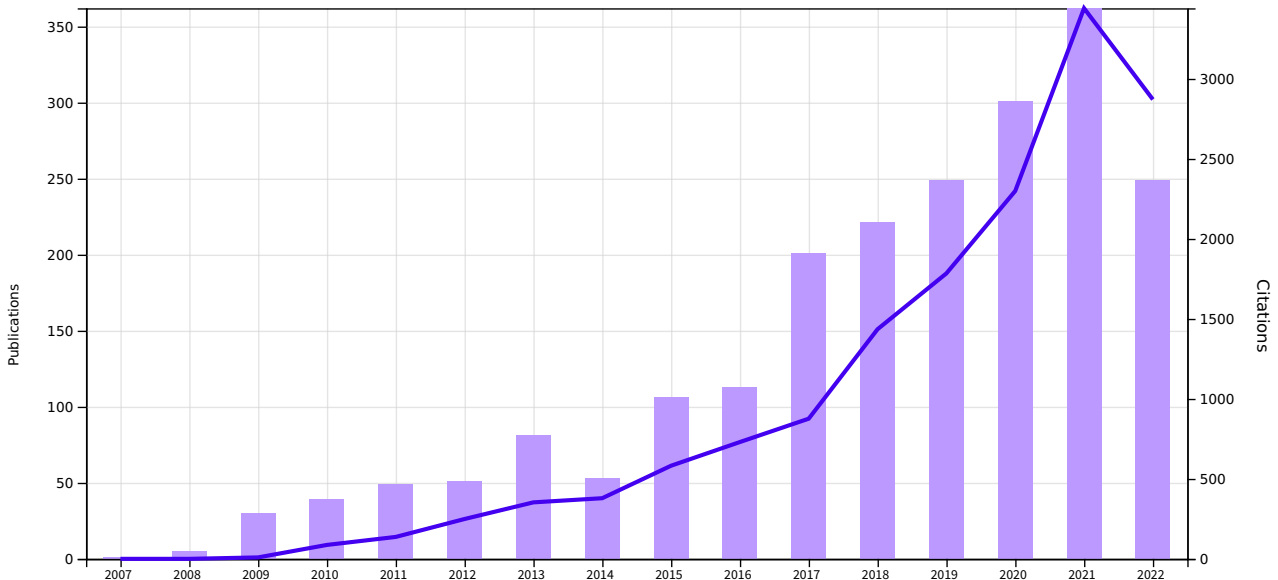
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2,112 Publications		Sort by Citations: highest first		Previous page Next page		Citations						
						< Previous year			Next year >		Average per year	Total
						2018	2019	2020	2021	2022		
Total		1,435	1,784	2,299	3,441	2,871	1,088.93	15,245				
⊖ 1	Emerging pollutants in the environment: present and future challenges in biomonitoring, ecological risks and bioremediation Gavrilescu, M ; Demnerova, K ; (...); Fava, F Jan 25 2015 NEW BIOTECHNOLOGY 32 (1) , pp.147-156	75	104	105	113	69	72.38	579				
⊖ 2	Models of few optical cycle solitons beyond the slowly varying envelope approximation Leblond, H and Mihalache, D Feb 2013 PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS 523 (2) , pp.61-126	36	43	43	35	20	36.8	368				
⊖ 3	Spin-Forbidden Transitions in the Spectra of Transition Metal Ions and Nephelauxetic Effect Brik, MG ; Camardello, SJ ; (...); Suchocki, A 2016 ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY 5 (1) , pp.R3067-R3077	25	26	25	35	17	21.71	152				
⊖ 4	Experimental energy-dependent nuclear spin distributions von Egidy, T and Bucurescu, D Nov 2009 PHYSICAL REVIEW C 80 (5)	14	13	7	7	8	10.79	151				
⊖ 5	Few-optical-cycle solitons: Modified Korteweg-de Vries sine-Gordon equation versus other non-slowly-varying-envelope-approximation models Leblond, H and Mihalache, D Jun 2009 PHYSICAL REVIEW A 79 (6)	12	17	15	8	5	9.36	131				
⊖ 6	MULTIDIMENSIONAL LOCALIZED STRUCTURES IN OPTICS AND BOSE-EINSTEIN CONDENSATES: A SELECTION OF RECENT STUDIES Mihalache, D 2014 ROMANIAN JOURNAL OF PHYSICS 59 (3-4) , pp.295-312	20	9	6	9	4	14.22	128				
⊖ 7	Introduction of the circular economy within developing regions: A comparative analysis of advantages and opportunities for waste valorization Ferronato, N ; Rada, EC ; (...); Torretta, V Jan 15 2019 JOURNAL OF ENVIRONMENTAL MANAGEMENT 230 , pp.366-378	1	17	33	39	30	30	120				
⊖ 8	Vector rogue waves in the Manakov system: diversity and compossibility Chen, SH and Mihalache, D May 29 2015 JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL 48 (21)	14	14	17	17	17	14.88	119				
⊖ 9	Forecasting municipal solid waste generation using prognostic tools and regression analysis Ghinea, C ; Dragoi, EN ; (...); Gavrilescu, M Nov 1 2016 JOURNAL OF ENVIRONMENTAL MANAGEMENT 182 , pp.80-93	15	18	21	18	17	14.29	100				

10	<p>Burnout syndrome in Romanian medical residents in time of the COVID-19 pandemic</p> <p>Dimitriu, MCT; Pantea-Stoian, A; (...); Socea, B</p> <p>Nov 2020 MEDICAL HYPOTHESES 144</p> <p> Enriched Cited References</p>	0	0	14	48	32	31.33	94
11	<p>Comparative analysis of crystal field effects and optical spectroscopy of six-coordinated Mn⁴⁺ ion in the Y₂Ti₂O₇ and Y₂Sn₂O₇ pyrochlores</p> <p>Brik, MG; Srivastava, AM and Avram, NM</p> <p>Sep 2011 OPTICAL MATERIALS 33 (11), pp.1671-1676</p>	14	10	7	3	0	7.58	91
12	<p>NONLINEAR OPTICS OF INTENSE FEW-CYCLE PULSES: AN OVERVIEW OF RECENT THEORETICAL AND EXPERIMENTAL DEVELOPMENTS</p> <p>Frantzeskakis, DJ; Leblond, H and Mihalache, D</p> <p>2014 ROMANIAN JOURNAL OF PHYSICS 59 (7-8), pp.767-784</p>	13	7	3	2	1	9.89	89
13	<p>Biodegradable Antimicrobial Food Packaging: Trends and Perspectives</p> <p>Motelica, L; Ficai, D; (...); Andronescu, E</p> <p>Oct 2020 FOODS 9 (10)</p>	0	0	3	45	35	27.67	83
14	<p>Review of hybrid PLGA nanoparticles: Future of smart drug delivery and theranostics medicine</p> <p>Ghitman, J; Biru, EI; (...); Iovu, H</p> <p>Aug 2020 MATERIALS & DESIGN 193</p>	0	0	3	43	35	27	81
15	<p>Universal decay rule for reduced widths</p> <p>Delion, DS</p> <p>Aug 2009 PHYSICAL REVIEW C 80 (2)</p>	6	6	7	6	4	5.71	80
16	<p>Novel Manifestation of alpha-Clustering Structures: New "alpha+Pb-208" States in Po-212 Revealed by Their Enhanced E1 Decays</p> <p>Astier, A; Petkov, P; (...); Schuck, P</p> <p>Jan 29 2010 PHYSICAL REVIEW LETTERS 104 (4)</p>	11	7	4	9	2	6.08	79
17	<p>Open Problems in Nonlinear Conjugate Gradient Algorithms for Unconstrained Optimization</p> <p>Andrei, N</p> <p>2011 BULLETIN OF THE MALAYSIAN MATHEMATICAL SCIENCES SOCIETY 34 (2), pp.319-330</p>	7	13	8	7	5	5.75	69
18	<p>A perfusion incubator liver chip for 3D cell culture with application on chronic hepatotoxicity testing</p> <p>Yu, E; Deng, RS; (...); Yu, H</p> <p>Nov 6 2017 SCIENTIFIC REPORTS 7</p>	5	14	18	18	12	11.17	67
19	<p>COMPARING ENVIRONMENTAL IMPACTS OF NATURAL INERT AND RECYCLED CONSTRUCTION AND DEMOLITION WASTE PROCESSING USING LCA</p> <p>Simion, JM; Fortuna, ME; (...); Gavrilescu, M</p> <p>2013 JOURNAL OF ENVIRONMENTAL ENGINEERING AND LANDSCAPE MANAGEMENT 21 (4), pp.273-287</p>	4	9	7	22	7	6.6	66
	<p>Rhizobacteria and plant symbiosis in heavy metal uptake and its</p>							

20	<p>implications for soil bioremediation</p> <p>Sobariu, DL; Fertu, DIT; (...); Gavrilescu, M</p> <p>Oct 25 2017 NEW BIOTECHNOLOGY 39, pp.125-134</p>	9	19	17	10	8	10.83	65
21	<p>Toward a new description of triaxial nuclei</p> <p>Raduta, AA and Buganu, P</p> <p>Mar 14 2011 PHYSICAL REVIEW C 83 (3)</p>	4	2	6	6	3	5.08	61
22	<p>Optical, morphological and electrical studies of thermally vacuum evaporated CdTe thin films for photovoltaic applications</p> <p>Toma, O; Ion, I; (...); Antohe, S</p> <p>Oct 2014 SOLAR ENERGY 108, pp.51-60</p>	3	10	9	6	4	6.67	60
23	<p>Spatial assessment of solar energy potential at global scale. A geographical approach</p> <p>Pravaliu, R; Patriche, C and Bandoc, G</p> <p>Feb 1 2019 JOURNAL OF CLEANER PRODUCTION 209, pp.692-721</p>	0	6	18	23	12	14.75	59
24	<p>Effects of the fractional order and magnetic field on the blood flow in cylindrical domains</p> <p>Shah, NA; Vieru, D and Fetecau, C</p> <p>Jul 1 2016 JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS 409, pp.10-19</p>	11	8	9	13	9	8.43	59
25	<p>Recent changes in global drylands: Evidences from two major aridity databases</p> <p>Pravaliu, R; Bandoc, G; (...); Sternberg, I</p> <p>Jul 2019 CATENA 178, pp.209-231</p>	0	3	19	25	11	14.5	58
26	<p>Studies and Investigation about the Attitude towards Sustainable Production, Consumption and Waste Generation in Line with Circular Economy in Romania</p> <p>Lakatos, ES; Cioca, LI; (...); Barsan, G</p> <p>Mar 2018 SUSTAINABILITY 10 (3)</p>	9	12	8	15	11	11	55
27	<p>Modeling and simulation of high pressure water scrubbing technology applied for biogas upgrading</p> <p>Cozma, P; Wukovits, W; (...); Gavrilescu, M</p> <p>Feb 2015 CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY 17 (2), pp.373-391</p>	9	8	12	6	11	6.88	55
28	<p>Solitons in PT-symmetric optical lattices with spatially periodic modulation of nonlinearity</p> <p>He, YJ; Zhu, X; (...); Chen, ZX</p> <p>Jul 1 2012 OPTICS COMMUNICATIONS 285 (15), pp.3320-3324</p>	3	5	3	0	1	5	55
29	<p>Aspects Regarding the Pharmaceutical Waste Management in Romania</p> <p>Bungau, S; Tit, DM; (...); Bustea, C</p> <p>Aug 2018 SUSTAINABILITY 10 (8)</p>	3	15	14	16	5	10.6	53
30	<p>Eco-friendly preparation of electrically conductive chitosan - reduced graphene oxide flexible bionanocomposites for food packaging and biological applications</p> <p>Barra, A; Ferreira, NM; (...); Nunes, C</p> <p>Mar 22 2019 COMPOSITES SCIENCE AND TECHNOLOGY 173, pp.53-60</p>	0	4	15	22	11	13	52

31	Characterization of heavy metal toxicity in some plants and microorganisms-A preliminary approach for environmental bioremediation Diaconu, M; Pavel, LV; (...); Gavrilescu, M May 25 2020 NEW BIOTECHNOLOGY 56 , pp.130-139	0	0	10	22	19	17	51
32	Bioinspired 3D printable pectin-nanocellulose ink formulations Cernescu, AI; Lungu, A; (...); Iovu, H Sep 15 2019 CARBOHYDRATE POLYMERS 220 , pp.12-21	0	1	12	31	6	12.75	51
33	TIME-FRACTIONAL FREE CONVECTION FLOW NEAR A VERTICAL PLATE WITH NEWTONIAN HEATING AND MASS DIFFUSION Vieru, D; Fetecau, C and Fetecau, C 4th International Symposium of South-East European Countries (SEEC) 2015 THERMAL SCIENCE 19 , pp.S85-S98	6	6	11	12	7	6.38	51
34	Effects of formation properties in one-proton radioactivity Qi, C; Delion, DS; (...); Wyss, R Jan 30 2012 PHYSICAL REVIEW C 85 (1)	6	4	7	11	8	4.64	51
35	Flow over an infinite plate of a viscous fluid with non-integer order derivative without singular kernel Zafar, AA and Fetecau, C Sep 2016 ALEXANDRIA ENGINEERING JOURNAL 55 (3) , pp.2789-2796	9	13	12	5	7	7.14	50
36	LIFE CYCLE ASSESSMENT OF WASTE MANAGEMENT AND RECYCLED PAPER SYSTEMS Ghinea, C; Petraru, M; (...); Gavrilescu, M Aug 2014 ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL 13 (8) , pp.2073-2085	7	6	2	4	3	5.56	50
37	An Overview of Biopolymeric Electrospun Nanofibers Based on Polysaccharides for Wound Healing Management Iacob, AT; Dragan, M; (...); Lupascu, D Oct 2020 PHARMACEUTICS 12 (10)	0	0	1	23	25	16.33	49
38	Hyponatremia in Patients with Heart Failure: a Prognostic Marker Diaconu, CC; Manea, M; (...); Bratu, OG May 2018 REVISTA DE CHIMIE 69 (5) , pp.1071-1074	32	16	0	0	1	9.8	49
39	COMBINED POROUS AND MAGNETIC EFFECTS ON SOME FUNDAMENTAL MOTIONS OF NEWTONIAN FLUIDS OVER AN INFINITE PLATE Fetecau, C; Ellahi, R; (...); Shah, NA 2018 JOURNAL OF POROUS MEDIA 21 (7) , pp.589-605	3	21	13	6	5	9.8	49
40	Novel nanocomposites based on epoxy resin/epoxy-functionalized polydimethylsiloxane reinforced with POSS Florea, NM; Lungu, A; (...); Iovu, H Jun 15 2015 COMPOSITES PART B-ENGINEERING 75 , pp.226-234	8	6	8	11	1	6	48
41	HIGH POWER PULSES EXTRACTED FROM THE PEREGRINE ROGUE WAVE Yang, GY; Li, L; (...); Mihalache, D	1	2	1	3	1	4.9	49

	2013 ROMANIAN REPORTS IN PHYSICS 65 (2) , pp.391-400							
⊖ 42	Hyperkalemia and Cardiovascular Diseases: New Molecules for the Treatment Diaconu, CC; Stanescu, AMA; (...); Bratu, OG Jun 2018 REVISTA DE CHIMIE 69 (6) , pp.1367-1370	28	19	1	0	0	9.6	48
⊖ 43	Peristaltic Flow of Couple Stress Fluid in a Non-Uniform Rectangular Duct Having Compliant Walls Ellahi, R; Bhatti, MM; (...); Vafai, K Jan 1 2016 COMMUNICATIONS IN THEORETICAL PHYSICS 65 (1) , pp.66-72	10	10	4	1	2	6.86	48
⊖ 44	Polypharmacy in Type 2 Diabetes Mellitus: Insights from an Internal Medicine Department Dobrica, EC; Gaman, MA; (...); Diaconu, CC Aug 2019 MEDICINA-LITHUANIA 55 (8)	0	2	14	25	6	11.75	47
⊖ 45	Lattice solitons in optical media described by the complex Ginzburg-Landau model with PT-symmetric periodic potentials He, YJ and Mihalache, D Jan 14 2013 PHYSICAL REVIEW A 87 (1)	4	3	1	0	6	4.7	47
⊖ 46	Experimental analysis and mathematical prediction of Cd(II) removal by biosorption using support vector machines and genetic algorithms Hlihor, RM; Diaconu, M; (...); Gavrilescu, M May 25 2015 NEW BIOTECHNOLOGY 32 (3) , pp.358-368	6	4	5	10	4	5.75	46
⊖ 47	HEAVY METAL ACCUMULATION AND TRANSLOCATION IN DIFFERENT PARTS OF BRASSICA OLERACEA L Radulescu, C; Stihni, C; (...); Chilian, A 2013 ROMANIAN JOURNAL OF PHYSICS 58 (9-10) , pp.1337-1354	5	11	7	4	6	4.6	46
⊖ 48	STUDIES ON ACCUMULATION OF HEAVY METALS FROM SUBSTRATE TO EDIBLE WILD MUSHROOMS Stihni, C; Radulescu, C; (...); Ene, A 10th International Balkan Workshop on Applied Physics 2011 ROMANIAN JOURNAL OF PHYSICS 56 (1-2) , pp.257-264	1	4	8	2	1	3.83	46
⊖ 49	Microscopic cold fission yields of Cf-252 Mirea, M; Delion, DS and Sandulescu, A Apr 2010 PHYSICAL REVIEW C 81 (4)	2	2	0	5	0	3.54	46
⊖ 50	Collapse of ultrashort spatiotemporal pulses described by the cubic generalized Kadomtsev-Petviashvili equation Leblond, H; Kremer, D and Mihalache, D Mar 2010 PHYSICAL REVIEW A 81 (3)	4	3	1	5	1	3.54	46

Citation Report Publications Table

