



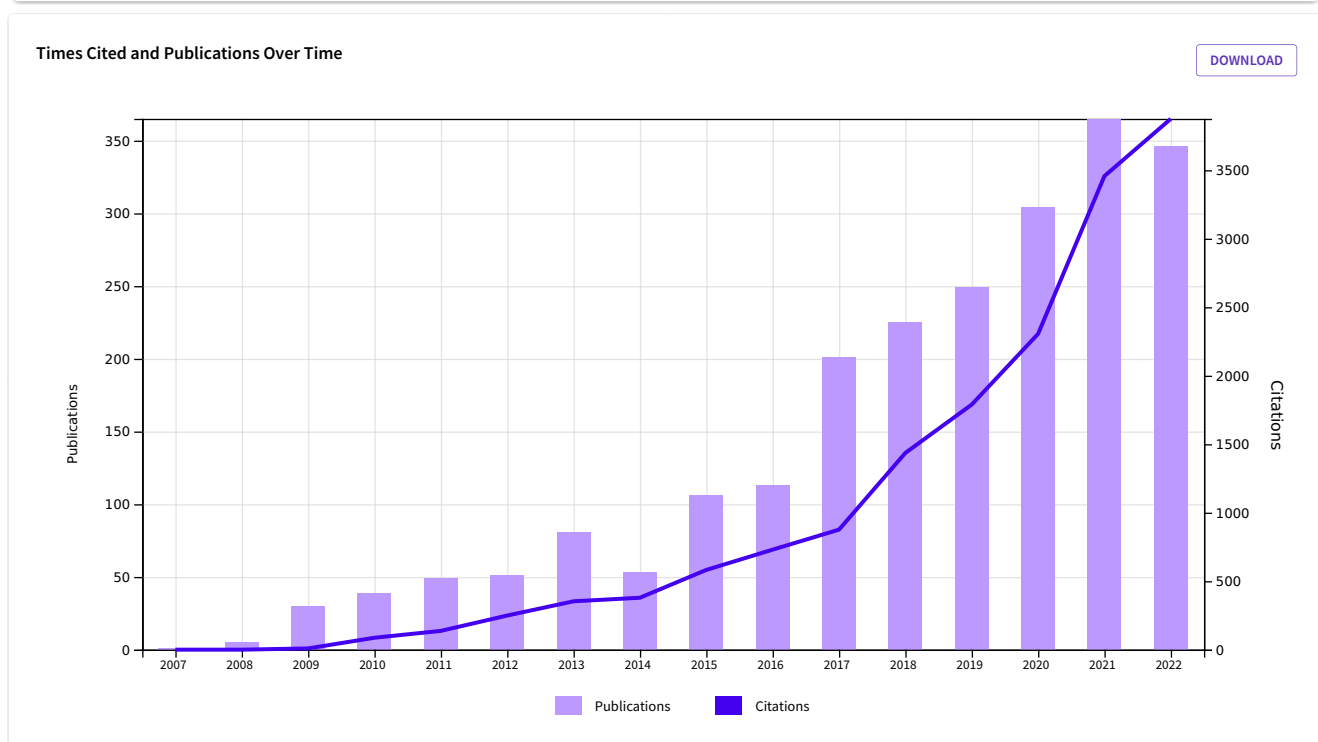
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Citation Report

Academy of Romanian Scientists (AOSR) (Affiliation)

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<p>Publications</p> <p>2,218</p> <p>Total</p> <p>From 1975 to 2022</p>	<p>Citing Articles</p> <p>12,266 Analyze</p> <p>Total</p> <p>11,276 Analyze</p> <p>Without self-citations</p>	<p>Times Cited</p> <p>16,353</p> <p>Total</p> <p>14,043</p> <p>Without self-citations</p>	<p>7.37</p> <p>Average per item</p>	<p>47</p> <p>H-Index</p>	<p>47</p> <p>H-Index</p>
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<p>2,218 Publications</p> <p>Sort by Citations: highest first</p> <p>Previous page Next page</p>	Citations								
	< Previous year					Next year >		Average per year	Total
	2018	2019	2020	2021	2022				
Total	1,436	1,789	2,305	3,457	3,875	1,090.2	16,353		
<p>1 Emerging pollutants in the environment: present and future challenges in biomonitoring, ecological risks and bioremediation</p> <p>Gaurilescu M, Demnerova K, F... Fava F</p>	75	104	105	113	87	66.33	597		

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4	Experimental energy-dependent nuclear spin distributions von Egidy, T and Bucurescu, D Nov 2009 PHYSICAL REVIEW C 80 (5)	14	13	7	7	12	10.33	155
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	10	9.07	136
6	Introduction of the circular economy within developing regions: A comparative analysis of advantages and opportunities for waste valorization Ferronato, N ; Bada, EC ; (...); Torretta, V Jan 15 2019 JOURNAL OF ENVIRONMENTAL MANAGEMENT 230, pp.366-378	1	17	34	39	41	26.4	132
7	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	8	13.2	132
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	19	13.56	122
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	22	19	20	13.38	107
10	Burnout syndrome in Romanian medical residents in time of the COVID-19 pandemic Dimitriu, MCT ; Pantea-Stoian, A ; (...); Socea, B Nov 2020 MEDICAL HYPOTHESES 144	0	0	14	48	41	25.75	103
	Enriched Cited References							
11	Biodegradable Antimicrobial Food Packaging: Trends and Perspectives Motelica, L ; Ficai, D ; (...); Andronesco, E Oct 2020 FOODS 9 (10)	0	0	3	45	43	23.25	93
12	Review of hybrid PLGA nanoparticles: Future of smart drug delivery and theranostics medicine Ghitman, J ; Biru, EI ; (...); Iovu, H Aug 2020 MATERIALS & DESIGN 193	0	0	3	43	45	23	92
13	Comparative analysis of crystal field effects and optical spectroscopy of six-coordinated Mn ⁴⁺ ion in the Y ₂ Ti ₂ O ₇ and Y ₂ Sn ₂ O ₇ pyrochlores Brik, MG ; Srivastava, AM and Avram, NM Sep 2011 OPTICAL MATERIALS 33 (11), pp.1671-1676	14	10	7	3	0	7.08	92
14	NONLINEAR OPTICS OF INTENSE FEW-CYCLE PULSES: AN OVERVIEW OF RECENT THEORETICAL AND EXPERIMENTAL DEVELOPMENTS Frantzeskakis, D ; Leblond, H and Mihalache, D 2014 ROMANIAN JOURNAL OF PHYSICS 59 (7-8), pp.767-784	13	7	3	2	1	8.9	89
15	Novel Manifestation of alpha-Clustering Structures: New "alpha+Pb-208" States in Po-212 Revealed by Their Enhanced E1 Decays Astier, A ; Petkov, P ; (...); Schuck, P Jan 29 2010 PHYSICAL REVIEW LETTERS 104 (4)	11	7	4	10	2	5.79	81
	Universal decay rule for reduced widths							

16	Delion, DS Aug 2009 PHYSICAL REVIEW C 80 (2)	6	6	7	6	4	5.33	80
17	Open Problems in Nonlinear Conjugate Gradient Algorithms for Unconstrained Optimization Andrei, N 2011 BULLETIN OF THE MALAYSIAN MATHEMATICAL SCIENCES SOCIETY 34 (2) , pp.319-330	7	13	8	7	9	5.62	73
18	A perfusion incubator liver chip for 3D cell culture with application on chronic hepatotoxicity testing Yu, F; Deng, RS; (...); Yu, H Nov 6 2017 SCIENTIFIC REPORTS 7	5	14	18	18	15	10	70
19	Rhizobacteria and plant symbiosis in heavy metal uptake and its implications for soil bioremediation Sobariu, DL; Fertu, DT; (...); Gavrilescu, M Oct 25 2017 NEW BIOTECHNOLOGY 39 , pp.125-134	9	19	17	10	11	9.71	68
20	COMPARING ENVIRONMENTAL IMPACTS OF NATURAL INERT AND RECYCLED CONSTRUCTION AND DEMOLITION WASTE PROCESSING USING LCA Simion, IM; Fortuna, ME; (...); Gavrilescu, M 2013 JOURNAL OF ENVIRONMENTAL ENGINEERING AND LANDSCAPE MANAGEMENT 21 (4) , pp.273-287	4	9	7	22	9	6.18	68
21	Spatial assessment of solar energy potential at global scale. A geographical approach Pravaliu, R; Patriche, C and Bandoc, G Feb 1 2019 JOURNAL OF CLEANER PRODUCTION 209 , pp.692-721	0	6	18	23	19	13.2	66
22	Recent changes in global drylands: Evidences from two major aridity databases Pravaliu, R; Bandoc, G; (...); Sternberg, T Jul 2019 CATENA 178 , pp.209-231	0	3	19	25	16	13	65
23	Optical, morphological and electrical studies of thermally vacuum evaporated CdTe thin films for photovoltaic applications Toma, G; Ion, L; (...); Antohe, S Oct 2014 SOLAR ENERGY 108 , pp.51-60	3	10	9	6	7	6.4	64
24	Effects of the fractional order and magnetic field on the blood flow in cylindrical domains Shah, NA; Vieru, D and Fetecau, C Jul 1 2016 JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS 409 , pp.10-19	11	8	9	14	10	7.75	62
25	Toward a new description of triaxial nuclei Raduta, AA and Buganu, P Mar 14 2011 PHYSICAL REVIEW C 83 (3)	4	2	6	6	4	4.77	62
26	Modeling and simulation of high pressure water scrubbing technology applied for biogas upgrading Cozma, P; Wukovits, W; (...); Gavrilescu, M Feb 2015 CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY 17 (2) , pp.373-391	9	8	12	6	15	6.56	59
27	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	26	14.5	58
28	Studies and Investigation about the Attitude towards Sustainable Production, Consumption and Waste Generation in Line with Circular Economy in Romania Lakatos, ES; Cioca, LI; (...); Barsan, G Mar 2018 SUSTAINABILITY 10 (3)	9	12	8	16	13	9.67	58
29	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	31	14	56
30	Aspects Regarding the Pharmaceutical Waste Management in Romania Bungau, S; Tit, DM; (...); Bustea, C Aug 2018 SUSTAINABILITY 10 (8)	3	15	14	16	8	9.33	56
31	Solitons in PT-symmetric optical lattices with spatially periodic modulation of nonlinearity He, YJ; Zhu, X; (...); Chen, ZX	3	5	3	0	2	4.67	56

	Jul 1 2012 OPTICS COMMUNICATIONS 285 (15), pp.3320-3324							
⊖ 32	<p>Effects of formation properties in one-proton radioactivity</p> <p>Qi, C; Delion, DS; (...); Wyss, R</p> <p>Jan 30 2012 PHYSICAL REVIEW C 85 (1)</p>	6	4	7	11	12	4.58	55
⊖ 33	<p>Bioinspired 3D printable pectin-nanocellulose ink formulations</p> <p>Cernescu, AI; Lungu, A; (...); Iovu, H</p> <p>Sep 15 2019 CARBOHYDRATE POLYMERS 220, pp.12-21</p>	0	1	12	31	8	10.6	53
⊖ 34	<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	12	10.6	53
⊖ 35	<p>TIME-FRACTIONAL FREE CONVECTION FLOW NEAR A VERTICAL PLATE WITH NEWTONIAN HEATING AND MASS DIFFUSION</p> <p>Vieru, D; Fetecau, C and Fetecau, C</p> <p>4th International Symposium of South-East European Countries (SEEC)</p> <p>2015 THERMAL SCIENCE 19, pp.585-598</p>	6	6	11	12	8	5.78	52
⊖ 36	<p>LIFE CYCLE ASSESSMENT OF WASTE MANAGEMENT AND RECYCLED PAPER SYSTEMS</p> <p>Ghinea, C; Petru, M; (...); Gavrilescu, M</p> <p>Aug 2014 ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL 13 (8), pp.2073-2085</p>	7	6	2	4	5	5.2	52
⊖ 37	<p>COMBINED POROUS AND MAGNETIC EFFECTS ON SOME FUNDAMENTAL MOTIONS OF NEWTONIAN FLUIDS OVER AN INFINITE PLATE</p> <p>Fetecau, C; Eliahi, B; (...); Shah, NA</p> <p>2018 JOURNAL OF POROUS MEDIA 21 (7), pp.589-605</p>	3	21	13	6	7	8.5	51
⊖ 38	<p>HIGH POWER PULSES EXTRACTED FROM THE PEREGRINE ROGUE WAVE</p> <p>Yang, GY; Li, L; (...); Mihalache, D</p> <p>2013 ROMANIAN REPORTS IN PHYSICS 65 (2), pp.391-400</p>	1	2	1	3	3	4.64	51
⊖ 39	<p>Flow over an infinite plate of a viscous fluid with non-integer order derivative without singular kernel</p> <p>Zafar, AA and Fetecau, C</p> <p>Sep 2016 ALEXANDRIA ENGINEERING JOURNAL 55 (3), pp.2789-2796</p>	9	13	12	5	7	6.25	50
⊖ 40	<p>Novel nanocomposites based on epoxy resin/epoxy-functionalized polydimethylsiloxane reinforced with POSS</p> <p>Florea, NM; Lungu, A; (...); Iovu, H</p> <p>Jun 15 2015 COMPOSITES PART B-ENGINEERING 75, pp.226-234</p>	8	6	8	11	2	5.56	50
⊖ 41	<p>Hyponatremia in Patients with Heart Failure: a Prognostic Marker</p> <p>Diaconu, CC; Manea, M; (...); Bratu, OG</p> <p>May 2018 REVISTA DE CHIMIE 69 (5), pp.1071-1074</p>	32	16	0	0	1	8.17	49
⊖ 42	<p>Peristaltic Flow of Couple Stress Fluid in a Non-Uniform Rectangular Duct Having Compliant Walls</p> <p>Eliahi, B; Bhatti, MM; (...); Vafai, K</p> <p>Jan 1 2016 COMMUNICATIONS IN THEORETICAL PHYSICS 65 (1), pp.66-72</p>	10	10	4	1	3	6.13	49
⊖ 43	<p>Lattice solitons in optical media described by the complex Ginzburg-Landau model with PT-symmetric periodic potentials</p> <p>He, YJ and Mihalache, D</p> <p>Jan 14 2013 PHYSICAL REVIEW A 87 (1)</p>	4	3	1	0	8	4.45	49
⊖ 44	<p>Polypharmacy in Type 2 Diabetes Mellitus: Insights from an Internal Medicine Department</p> <p>Dobrica, EC; Gaman, MA; (...); Diaconu, CC</p> <p>Aug 2019 MEDICINA LITHUANIA 55 (8)</p>	0	2	14	26	6	9.6	48
⊖ 45	<p>Hyperkalemia and Cardiovascular Diseases: New Molecules for the Treatment</p> <p>Diaconu, CC; Stanescu, AM; (...); Bratu, OG</p> <p>Jun 2018 REVISTA DE CHIMIE 69 (6), pp.1367-1370</p>	28	19	1	0	0	8	48
⊖ 46	<p>Arable lands under the pressure of multiple land degradation processes. A global perspective</p> <p>Pravalić, R; Patriche, C; (...); Bandoc, G</p> <p>Mar 2021 Jan 2021 (Early Access) ENVIRONMENTAL RESEARCH 194</p>	0	0	0	20	27	15.67	47

47	Drug Delivery System Based on pH-Sensitive Biocompatible Poly(2-vinyl pyridine)-b-poly(ethylene oxide) Nanomicelles Loaded with Curcumin and 5-Fluorouracil Iurciuc-Tincu, CE ; Cretan, MS ; (...); Ochiuz, L Jul 2020 POLYMERS 12 (7)	0	0	3	22	22	11.75	47
48	Experimental analysis and mathematical prediction of Cd(II) removal by biosorption using support vector machines and genetic algorithms Hiihor, RM ; Diaconu, M ; (...); Gavrilescu, M May 25 2015 NEW BIOTECHNOLOGY 32 (3) , pp.358-368	6	4	5	10	5	5.22	47
49	STUDIES ON ACCUMULATION OF HEAVY METALS FROM SUBSTRATE TO EDIBLE WILD MUSHROOMS Stihci, 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	2	3.62	47
50	HEAVY METAL ACCUMULATION AND TRANSLOCATION IN DIFFERENT PARTS OF BRASSICA OLERACEA L Radulescu, C ; Stihci, C ; (...); Chilian, A 2013 ROMANIAN JOURNAL OF PHYSICS 58 (9-10) , pp.1337-1354	5	11	7	4	6	4.18	46

Citation Report Publications Table

