

MENU

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Academy of Romanian Scientists (AOSR) (Affiliation)

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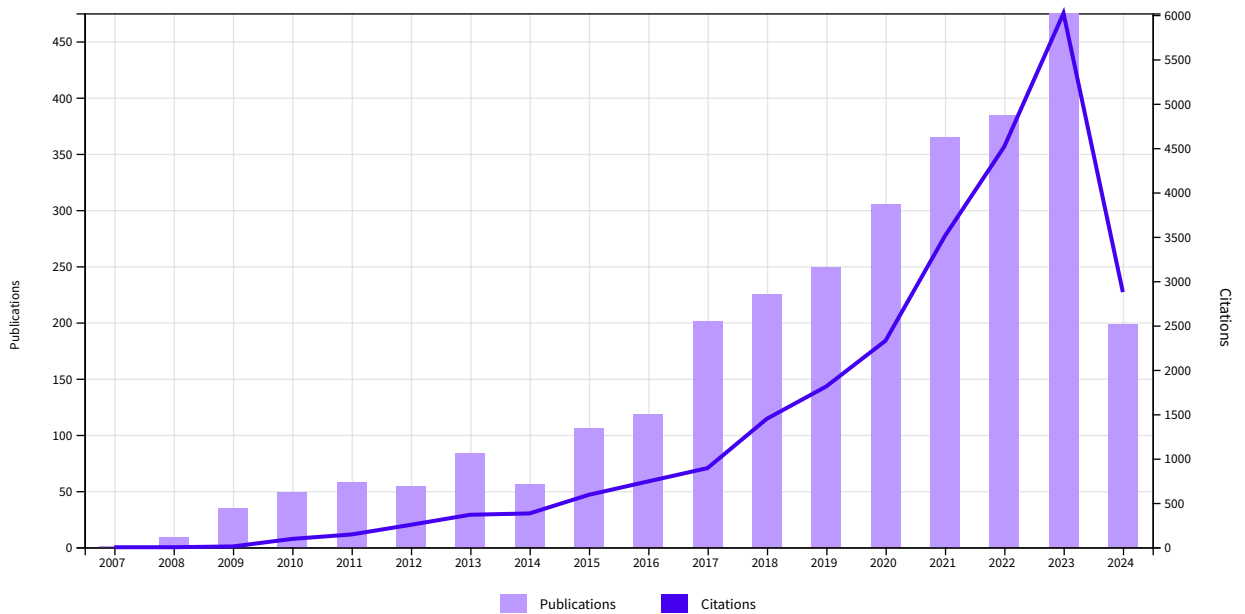
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<p>Publications</p> <p>2,972 Total</p> <p>From 1975 to 2024</p>	<p>Citing Articles</p> <p>20,016 Analyze Total</p> <p>18,660 Analyze Without self-citations</p>	<p>Times Cited</p> <p>25,976 Total</p> <p>8.74 Average per item</p> <p>22,647 Without self-citations</p>	<p>56 H-Index</p>
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Times Cited and Publications Over Time

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<p>2,972 Publications</p> <p>Sort by: Citations: highest first</p> <p>< 1 of 60 ></p>	Citations					Average per year	Total	
	< Previous year		Next year >					
	2020	2021	2022	2023	2024			
Total	2,328	3,507	4,514	6,019	2,876	1,623.5	25,976	
1	<p>Emerging pollutants in the environment: present and future challenges in biomonitoring, ecological risks and bioremediation</p> <p>Gavrilescu, M; Demnerová, K; (...); Fava, F</p>	105	113	102	82	31	72.5	725

	Jan 25 2015 NEW BIOTECHNOLOGY	32 (1), pp.147-156							
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		43	35	32	33	11	35.33	424
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	35	29	30	6	22.22	200
4	An Overview of Oxidative Stress, Neuroinflammation, and Neurodegenerative Diseases Teleanu, DM ; Niculescu, AG ; (...); Teleanu, RI Jun 2022 INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 23 (11)		0	0	20	103	76	66.33	199
5	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		35	39	45	41	7	30.83	185
6	Biodegradable Antimicrobial Food Packaging: Trends and Perspectives Motelica, I ; Ficai, D ; (...); Andronescu, E Oct 2020 FOODS 9 (10)		2	45	50	57	14	33.6	168
7	Experimental energy-dependent nuclear spin distributions von Egidy, T and Bucurescu, D Nov 2009 PHYSICAL REVIEW C 80 (5)		7	7	13	7	5	10.5	168
8	Review of hybrid PLGA nanoparticles: Future of smart drug delivery and theranostics medicine Ghitman, J ; Biru, EI ; (...); Iovu, H		3	42	51	47	23	33.2	166

	Aug 2020 MATERIALS & DESIGN ▼ 193							
9	<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>	14	48	51	28	9	30	150
10	<p>Few-optical-cycle solitons: Modified Korteweg-de Vries sine-Gordon equation versus other non-slowly-varying-envelope-approximation models</p> <p>Leblond, H and Mihalache, D</p> <p>Jun 2009 PHYSICAL REVIEW A ▼ 79 (6)</p>	15	8	10	10	4	9.38	150
11	<p>Vector rogue waves in the Manakov system: diversity and compossibility</p> <p>Chen, SH and Mihalache, D</p> <p>May 29 2015 JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL ▼ 48 (21)</p>	17	17	21	18	3	14.4	144
12	<p>MULTIDIMENSIONAL LOCALIZED STRUCTURES IN OPTICS AND BOSE-EINSTEIN CONDENSATES: A SELECTION OF RECENT STUDIES</p> <p>Mihalache, D</p> <p>2014 ROMANIAN JOURNAL OF PHYSICS ▼ 59 (3-4) , pp.295-312</p>	6	9	8	4	0	12.36	136
13	<p>Arable lands under the pressure of multiple land degradation processes. A global perspective</p> <p>Pravaliu, R; Patriche, C; (...); Bandoc, G</p> <p>Mar 2021 ENVIRONMENTAL RESEARCH ▼ 194</p>	0	21	33	53	22	32.5	130
14	<p>Forecasting municipal solid waste generation using prognostic tools and regression analysis</p> <p>Ghinea, C; Dragoi, EN; (...); Gavrilescu, M</p> <p>Nov 1 2016 JOURNAL OF ENVIRONMENTAL MANAGEMENT ▼ 182 , pp.80-93</p>	22	20	24	15	3	14.22	128

15	<p>Occurrence and Fate of Emerging Pollutants in Water Environment and Options for Their Removal</p> <p>Vasilachi, IC; Asiminicesei, DM; (...); Gavrilescu, M</p> <p>Jan 2021 WATER 13 (2)</p>	0	15	26	48	24	28.25	113
16	<p>An Overview of Biopolymeric Electrospun Nanofibers Based on Polysaccharides for Wound Healing Management</p> <p>Iacob, AT; Dragan, M; (...); Lupascu, D</p> <p>Oct 2020 PHARMACEUTICS 12 (10)</p>	1	23	34	35	17	22	110
17	<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>	7	3	2	5	3	7.21	101
18	<p>Universal decay rule for reduced widths</p> <p>Delion, DS</p> <p>Aug 2009 PHYSICAL REVIEW C 80 (2)</p>	7	6	5	13	7	6.31	101
19	<p>A MODIFIED INERTIAL SUBGRADIENT EXTRAGRADIENT METHOD FOR SOLVING PSEUDOMONOTONE VARIATIONAL INEQUALITIES AND COMMON FIXED POINT PROBLEMS</p> <p>Ceng, LC; Petrusel, A; (...); Yao, JC</p> <p>2020 FIXED POINT THEORY 21 (1) , pp.93-108</p>	4	17	29	36	12	19.6	98
20	<p>Spatial assessment of solar energy potential at global scale. A geographical approach</p> <p>Pravalié, R; Patriche, C and Bandoc, G</p> <p>Feb 1 2019 JOURNAL OF CLEANER PRODUCTION 209 , pp.692-721</p>	18	23	22	23	5	16.17	97
21	<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>	8	6	10	14	5	6.64	93

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	19	25	20	18	5	15	90
23	NONLINEAR OPTICS OF INTENSE FEW-CYCLE PULSES: AN OVERVIEW OF RECENT THEORETICAL AND EXPERIMENTAL DEVELOPMENTS Frantzeskakis, DJ; Leblond, H and Mihalache, D 2014 ROMANIAN JOURNAL OF PHYSICS [▼] 59 (7-8) , pp.767-784	3	2	2	0	0	8.09	89
24	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	10	22	28	21	6	17.4	87
25	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	7	22	10	14	3	7.17	86
26	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	18	19	18	9	2	10.63	85
27	Biodegradable Alginate Films with ZnO Nanoparticles and Citronella Essential Oil-A Novel Antimicrobial Structure Motelica, L; Ficai, D; (...); Holban, AM Jul 2021 PHARMACEUTICS [▼] 13 (7) Enriched Cited References	0	7	31	36	10	21	84
	Novel Manifestation of α -Clustering Structures: New " $\alpha^{+208}\text{Pb}$ "							

28	States in ^{212}Po Revealed by Their Enhanced $E1$ Decays Astier, A; Petkov, P; (...); Schuck, P Jan 29 2010 PHYSICAL REVIEW LETTERS 104 (4)	4	10	3	1	2	5.6	84
29	Rhizobacteria and plant symbiosis in heavy metal uptake and its implications for soil bioremediation Sobariu, DL; Fertu, DIT; (...); Gavrilescu, M Oct 25 2017 NEW BIOTECHNOLOGY 39, pp.125-134	17	10	11	11	4	10.38	83
30	Innovative Antimicrobial Chitosan/ZnO/Ag NPs/Citronella Essential Oil Nanocomposite - Potential Coating for Grapes Motelica, L; Ficai, D; (...); Andronescu, E Dec 2020 FOODS 9 (12) Enriched Cited References	0	18	27	26	8	15.8	79
31	Neurotransmitters-Key Factors in Neurological and Neurodegenerative Disorders of the Central Nervous System Teleanu, RI; Niculescu, AG; (...); Teleanu, DM Jun 2022 INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 23 (11)	0	0	3	43	29	25	75
32	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	9	14	11	10	3	8.33	75
33	Recent Advances in Manufacturing Innovative Stents Beshchasna, N; Saqib, M; (...); Andronescu, E Apr 2020 PHARMACEUTICS 12 (4)	5	15	21	20	12	14.6	73
34	Eco-friendly preparation of electrically conductive chitosan - reduced graphene oxide flexible bionanocomposites for food packaging and biological applications Barra, A; Ferreira, NM; (...); Nunes, C Mar 22 2019 COMPOSITES SCIENCE AND TECHNOLOGY 173, pp.53-60	15	22	12	13	6	12	72

35	<p>Aptamer-Functionalized Liposomes as a Potential Treatment for Basal Cell Carcinoma</p> <p>Cadinoiu, AN; Rata, DM; (...); Popa, M</p> <p>Sep 2019 POLYMERS 11 (9)</p>	9	22	13	15	12	11.83	71
36	<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>	8	16	15	5	6	10.14	71
37	<p>Bioinspired 3D printable pectin-nanocellulose ink formulations</p> <p>Cernencu, AI; Lungu, A; (...); Iovu, H</p> <p>Sep 15 2019 CARBOHYDRATE POLYMERS 220 , pp.12-21</p>	12	31	8	14	4	11.67	70
38	<p>Optical, morphological and electrical studies of thermally vacuum evaporated CdTe thin films for photovoltaic applications</p> <p>Toma, O; Ion, LI; (...); Antohe, S</p> <p>Oct 2014 SOLAR ENERGY 108 , pp.51-60</p>	9	6	8	5	1	6.36	70
39	<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>	14	17	9	8	3	9.86	69
40	<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>	14	26	8	14	4	11.33	68
41	<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>	12	6	15	6	3	6.8	68

42	<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>	7	11	13	8	4	5.23	68
43	<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>	6	6	4	3	3	4.86	68
44	<p>Drug Delivery System Based on pH-Sensitive Biocompatible Poly(2-vinyl pyridine)-b-poly(ethylene oxide) Nanomicelles Loaded with Curcumin and 5-Fluorouracil</p> <p>Iurciuc-Tincu, CE; Cretan, MS; (...); Ochiuz, L</p> <p>Jul 2020 POLYMERS ▼ 12 (7)</p>	3	22	22	14	6	13.4	67
45	<p>Microfluidic Technology for Clinical Applications of Exosomes</p> <p>Iliescu, FS; Vrtacnik, D; (...); Iliescu, C</p> <p>Jun 2019 MICROMACHINES ▼ 10 (6)</p>	11	14	17	13	6	11	66
46	<p>Amphiphilic Block Copolymers: Their Structures, and Self-Assembly to Polymeric Micelles and Polymersomes as Drug Delivery Vehicles</p> <p>Kuperkar, K; Patel, D; (...); Bahadur, P</p> <p>Nov 2022 POLYMERS ▼ 14 (21)</p>	0	0	0	35	30	21.67	65
47	<p>Mesoporous Silica Platforms with Potential Applications in Release and Adsorption of Active Agents</p> <p>Chircov, C; Spoiala, A; (...); Turculeț, SC</p> <p>Sep 2020 MOLECULES ▼ 25 (17)</p>	1	13	24	15	11	12.8	64
48	<p>Metabolic and cardiovascular benefits of GLP-1 agonists, besides the hypoglycemic effect (Review)</p> <p>Iorga, RA; Bacalbasa, N; (...); Diaconu, CC</p> <p>Sep 2020 EXPERIMENTAL AND THERAPEUTIC MEDICINE ▼ 20 (3) , pp.2396-2400</p>	1	11	23	24	5	12.8	64
	<p>"In vitro" behaviour of aptamer-functionalized polymeric</p>							

<p>⊖ 49</p> <p>nanocapsules loaded with 5-fluorouracil for targeted therapy</p> <p>Rata, DM; Cadinoiu, AN; (...); Popa, M Oct 2019 MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS ▼ 103</p>	11	15	15	14	8	10.67	64
<p>⊖ 50</p> <p>Applications of Chitosan-Alginate-Based Nanoparticles-An Up-to-Date Review</p> <p>Niculescu, AG and Grumezescu, AM Jan 2022 NANOMATERIALS ▼ 12 (2)</p>	0	0	16	33	14	21	63

Citation Report Publications Table