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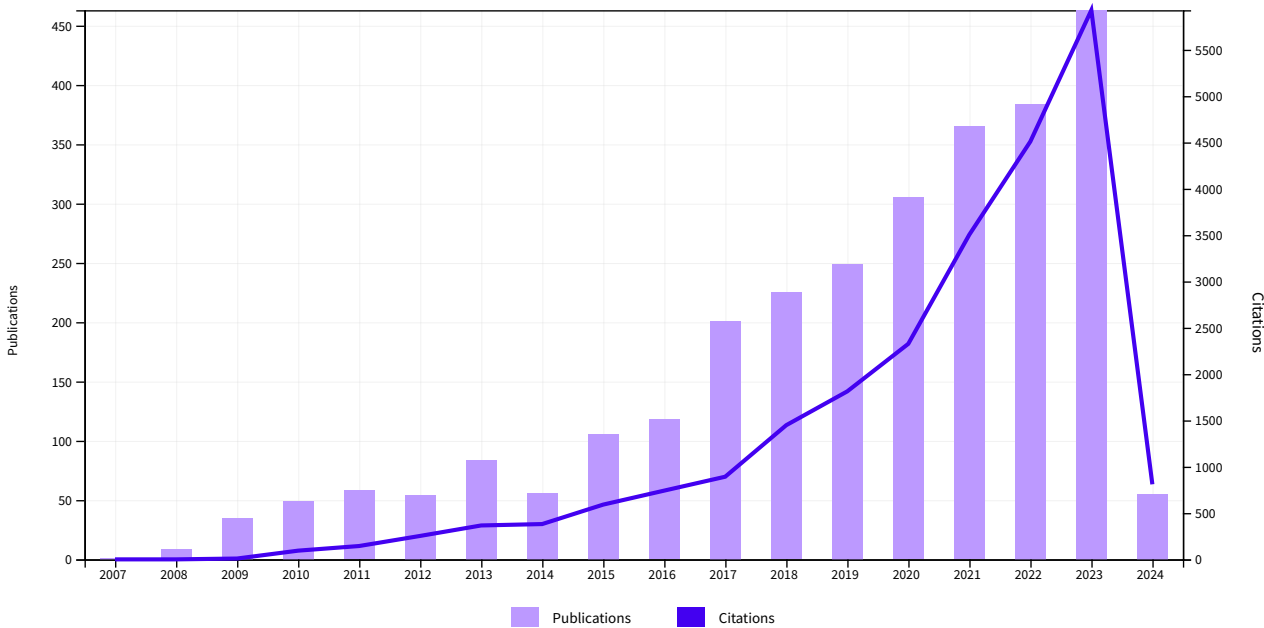
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2,817 Publications			Sort by: Citations: highest first ▼			< 1 of 57 >			Citations						
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Total						2,326	3,504	4,509	5,927	810	1,488.06	23,809			

⊖ 1	Emerging pollutants in the environment: present and future challenges in biomonitoring, ecological risks and bioremediation Gavrilescu, M ; Demnerová, K ; (...); Fava, F Jan 25 2015 NEW BIOTECHNOLOGY 32 (1), pp.147-156	105	113	101	79	8	69.8	698
⊖ 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	3	34.67	416
⊖ 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	29	1	21.56	194
⊖ 4	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	2	30	180
⊖ 5	Experimental energy-dependent nuclear spin distributions von Egidy, T and Bucurescu, D Nov 2009 PHYSICAL REVIEW C 80 (5)	7	7	13	6	2	10.25	164
⊖ 6	Biodegradable Antimicrobial Food Packaging: Trends and Perspectives Motelica, L ; Ficai, D ; (...); Andronescu, E Oct 2020 FOODS 9 (10)	2	45	50	56	2	31	155
		3	42	51	47	7	30	150

7	Review of hybrid PLGA nanoparticles: Future of smart drug delivery and theranostics medicine Ghitman, J; Biru, EI; (...); Iovu, H Aug 2020 MATERIALS & DESIGN 193							
8	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	23	48.67	146
9	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)	15	8	10	10	0	9.13	146
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 Enriched Cited References	14	48	51	26	4	28.6	143
11	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)	17	17	21	17	1	14.1	141
12	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	6	9	8	4	0	12.36	136
13	Forecasting municipal solid waste generation using prognostic tools and regression analysis	22	20	24	15	0	13.89	125

⊖	Ghinea, C; Dragoi, FN; (...); Gavrilescu, M Nov 1 2016 JOURNAL OF ENVIRONMENTAL MANAGEMENT 182 , pp.80-93							
⊖ 14	Arable lands under the pressure of multiple land degradation processes. A global perspective Pravaliu, R; Patriche, C; (...); Bandoc, G Mar 2021 ENVIRONMENTAL RESEARCH 194	0	21	32	53	9	29	116
⊖ 15	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	7	3	2	5	0	7	98
⊖ 16	An Overview of Biopolymeric Electrospun Nanofibers Based on Polysaccharides for Wound Healing Management Iacob, AT; Dragan, M; (...); Lupascu, D Oct 2020 PHARMACEUTICS 12 (10)	1	23	34	35	4	19.4	97
⊖ 17	Occurrence and Fate of Emerging Pollutants in Water Environment and Options for Their Removal Vasilachi, IC; Asiminicesei, DM; (...); Gavrilescu, M Jan 2021 WATER 13 (2)	0	15	26	47	8	24	96
⊖ 18	Universal decay rule for reduced widths Delion, DS Aug 2009 PHYSICAL REVIEW C 80 (2)	7	6	5	12	1	5.88	94
⊖ 19	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	18	23	22	23	0	15.33	92

⊖ 20	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	8	6	10	14	3	6.5	91
⊖ 21	A MODIFIED INERTIAL SUBGRADIENT EXTRAGRADIENT METHOD FOR SOLVING PSEUDOMONOTONE VARIATIONAL INEQUALITIES AND COMMON FIXED POINT PROBLEMS Ceng, LC; Petrusel, A; (...); Yao, JC 2020 FIXED POINT THEORY 21 (1) , pp.93-108	4	17	30	36	3	18	90
⊖ 22	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
⊖ 23	Recent changes in global drylands: Evidences from two major aridity databases Pravalić, R; Bandić, G; (...); Sternberg, T Jul 2019 CATENA 178 , pp.209-231	19	25	20	18	1	14.33	86
⊖ 24	A perfusion incubator liver chip for 3D cell culture with application on chronic hepatotoxicity testing Yu, E; Deng, RS; (...); Yu, H Nov 6 2017 SCIENTIFIC REPORTS 7	18	19	18	8	2	10.5	84

25	COMPARING ENVIRONMENTAL IMPACTS OF NATURAL INERT AND RECYCLED CONSTRUCTION AND DEMOLITION WASTE PROCESSING USING LCA Simion, JM; Fortuna, ME; (...); Gavrilescu, M 2013 JOURNAL OF ENVIRONMENTAL ENGINEERING AND LANDSCAPE MANAGEMENT 21 (4) , pp.273-287	7	22	10	13	2	7	84
26	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	20	3	16.6	83
27	Novel Manifestation of α-Clustering Structures: New "$\alpha+^{208}\text{Pb}$" 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	0	5.47	82
28	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	1	10	80
29	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	30	36	4	19.25	77
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)	0	18	27	26	6	15.4	77

Enriched Cited References								
31	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	9	1	8	72
32	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	4	11.67	70
33	Optical, morphological and electrical studies of thermally vacuum evaporated CdTe thin films for photovoltaic applications Toma, O; Ion, L; (...); Antohe, S Oct 2014 SOLAR ENERGY 108, pp.51-60	9	6	8	5	0	6.27	69
34	Polypharmacy in Type 2 Diabetes Mellitus: Insights from an Internal Medicine Department Dobrica, EC; Gaman, MA; (...); Diaconu, CC Aug 2019 MEDICINA-LITHUANIA 55 (8)	14	26	8	15	2	11.17	67
35	Aspects Regarding the Pharmaceutical Waste Management in Romania Bungau, S; Tit, DM; (...); Bustea, C Aug 2018 SUSTAINABILITY 10 (8)	14	17	9	8	1	9.57	67
36	Toward a new description of triaxial nuclei Raduta, AA and Buganu, P Mar 14 2011 PHYSICAL REVIEW C 83 (3)	6	6	4	3	2	4.79	67

37	Bioinspired 3D printable pectin-nanocellulose ink formulations Cernencu, AI; Lungu, A; (...); Iovu, H Sep 15 2019 CARBOHYDRATE POLYMERS 220 , pp.12-21	12	31	8	14	0	11	66
38	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)	8	16	15	5	1	9.43	66
39	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	12	6	15	6	0	6.5	65
40	Aptamer-Functionalized Liposomes as a Potential Treatment for Basal Cell Carcinoma Cadinoiu, AN; Rata, DM; (...); Popa, M Sep 2019 POLYMERS 11 (9)	9	22	13	15	5	10.67	64
41	Effects of formation properties in one-proton radioactivity Qi, C; Delion, DS; (...); Wyss, R Jan 30 2012 PHYSICAL REVIEW C 85 (1)	7	11	13	8	0	4.92	64
42	Recent Advances in Manufacturing Innovative Stents Beshchasna, N; Saqib, M; (...); Andronesu, E Apr 2020 PHARMACEUTICS 12 (4)	5	15	20	18	5	12.6	63
	Drug Delivery System Based on pH-Sensitive Biocompatible Poly(2-vinyl pyridine)-b-poly(ethylene	3	22	22	14	1	12.4	62

MENU

43	oxide) Nanomicelles Loaded with Curcumin and 5-Fluorouracil Iurciuc-Tincu, CE ; Cretan, MS ; (...); Ochiuz, L Jul 2020 POLYMERS 12 (7)							
44	Microfluidic Technology for Clinical Applications of Exosomes Iliescu, FS ; Vrtacnik, D ; (...); Iliescu, C Jun 2019 MICROMACHINES 10 (6)	11	14	17	13	1	10.17	61
45	Metabolic and cardiovascular benefits of GLP-1 agonists, besides the hypoglycemic effect (Review) Iorga, RA ; Bacalbasa, N ; (...); Diaconu, CC Sep 2020 EXPERIMENTAL AND THERAPEUTIC MEDICINE 20 (3), pp.2396-2400	1	11	23	25	0	12	60
46	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	11	2	10	0	6	60
47	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	11	12	9	6	1	6	60
48	"In vitro" behaviour of aptamer-functionalized polymeric nanocapsules loaded with 5-fluorouracil for targeted therapy Rata, DM ; Cadinoiu, AN ; (...); Popa, M Oct 2019 MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS 103	11	15	15	14	3	9.83	59
		3	0	2	3	0	4.54	59

