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1,814 Total	8,930 Total	12,158 Total	6.7 Average per Item
From 1975 To 2022	8,139 Without self-citations	10,335 Without self-citations	43 H-Index

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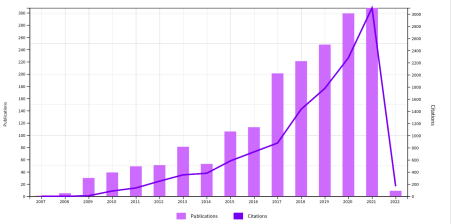

1,814 Publications

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		Citations					Average per year	Total
		2018	2019	2020	2021	2022		
	Total	1,433	1,775	2,280	3,101	166	868.43	12,158
1	Emerging pollutants in the environment: present and future challenges in biomonitoring, ecological risks and bioremediation Gavrilescu, M; Demnerova, K; ... ; Vasic, F Jan 29 2015 | NEW BIOTECHNOLOGY 32 (1) , pp.147-156	75	104	104	101	8	63.13	565
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	33	0	34.6	346
3	Experimental energy-dependent nuclear spin distributions von Egidy, T and Bucurescu, D Nov 2005 | PHYSICAL REVIEW C 72 (4)	14	13	7	7	0	10.21	143
4	Spin-Forbidden Transitions in the Spectra of Transition Metal Ions and Nephelauxetic Effect Brik, MG; Camardella, L; ... ; Suchocki, A 2015 | ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY 5 (1) , pp.R3047-R3077	25	26	25	34	1	19.28	135
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 Jan 2009 | PHYSICAL REVIEW A 79 (6)	12	17	15	8	0	9	126
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	8	1	13.78	124
7	Vector rogue waves in the Manakov system: diversity and compossibility Chen, JH and Mihalache, D May 29 2017 | JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL 50 (21)	14	14	17	13	1	12.38	99
8	Comparative analysis of crystal field effects and optical spectroscopy of six-coordinated Mn4+ ion in the 12TiO3:Y and YZnVO7 pyrochlores Brik, MG; Srivastava, AM and Avram, NM Sep 2011 | OPTICAL MATERIALS 33 (11) , pp.1671-1676	14	10	7	2	1	7.58	91
9	Introduction of the circular economy within developing regions: A comparative analysis of advantages and opportunities for waste valorization Fernando, M; Rabii, EJ; ... ; Tortella, E Jan 15 2019 | JOURNAL OF ENVIRONMENTAL MANAGEMENT 230 , pp.366-370	1	16	33	35	3	22.25	89
10	NONLINEAR OPTICS OF INTENSE FEW-CYCLE PULSES: AN OVERVIEW OF RECENT THEORETICAL AND EXPERIMENTAL DEVELOPMENTS Fountoulakis, GJ; Leblond, H and Mihalache, D 2014 | ROMANIAN JOURNAL OF PHYSICS 59 (7-8) , pp.767-784	13	7	3	2	0	9.67	87
11	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	0	11.86	83
12	Novel Manifestation of alpha-Clustering Structures: New "alpha+Pb-208" States in Po-212 Revealed by Their Enhanced E1 Decays Astier, A; Petkov, PT; ... ; Tsekov, P Jan 25 2013 | PHYSICAL REVIEW LETTERS 110 (4)	11	7	4	9	1	6	78
13	Universal decay rule for reduced widths Delion, DS Aug 2005 | PHYSICAL REVIEW C 72 (2)	6	6	7	6	0	5.43	76
14	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	6	1	5.33	64
15	Burnout syndrome in Romanian medical residents in time of the COVID-19 pandemic Dobrica, EC; Cretoiu, Mihaiet, A; ... ; Cretoiu, D Nov 2020 | MEDICAL HYPOTHESES 144	0	0	13	42	1	18.67	56
16	Optical, morphological and electrical studies of thermally vacuum-evaporated CdTe thin films for photovoltaic applications Tenne, D; Isai, L-I; ... ; Kessler, S Oct 2004 | SOLAR ENERGY 77 (6) , pp.743-750	3	10	9	6	0	6.22	56
17	COMPARING ENVIRONMENTAL IMPACTS OF NATURAL, INERT AND RECYCLED CONSTRUCTION AND DEMOLITION WASTE PROCESSING USING LCA Gokce, BB; Tortum, MB; ... ; Gavrilescu, M 2018 | JOURNAL OF ENVIRONMENTAL ENGINEERING AND LANDSCAPE MANAGEMENT 26 (4) , pp.279-287	4	9	7	19	0	5.6	56
18	Toward a new description of triaxial nuclei Meljanac, AM and Krmpotic, F Mar 14 2011 | PHYSICAL REVIEW C 83 (3)	4	2	6	4	0	4.67	56
19	A perfusion incubator liver chip for 3D cell culture with application on chronic hepatotoxicity testing Yu, F; Deng, RR; ... ; Yu, H Nov 6 2015 | SCIENTIFIC REPORTS 5	5	13	16	18	0	9	54
20	Solitons in PT-symmetric optical lattices with spatially periodic modulation of nonlinearity Hu, SJ; Zhu, X-Y; ... ; Chen, ZD Jul 1 2013 | OPTICS COMMUNICATIONS 309 (15) , pp.1023-1026	3	5	3	0	0	4.91	54
21	Rhizobacteria and plant symbiosis in heavy metal uptake and its implications for soil bioremediation Sobariu, DL; Fortu, CFO; ... ; Gavrilescu, M Oct 15 2017 | NEW BIOTECHNOLOGY 39 , pp.133-154	9	16	17	6	0	8.67	52
22	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	11	1	7	49
23	Novel nanocomposites based on epoxy resin/epoxy-functionalized polydimethylsiloxane reinforced with POSS Florea, MD; Lungu, A; ... ; Iovu, H Jan 15 2015 | COMPOSITES PART B-ENGINEERING 75 , pp.226-234	8	6	8	11	0	6.13	49
24	Hyperkalemia and Cardiovascular Diseases: New Molecules for the Treatment Mascino, CT; Tilmisiu, MBS; ... ; Bratu, OG Jun 2017 | REVISTA DE CHIMIE 68 (6) , pp.1367-1370	28	19	1	0	0	9.6	48
25	Hyponatremia in Patients with Heart Failure: a Prognostic Marker Mascino, CT; Florea, MS; ... ; Bratu, OG May 2020 | REVISTA DE CHIMIE 71 (5) , pp.1371-1374	32	16	0	0	0	9.6	48
26	HIGH POWER PULSES EXTRACTED FROM THE PEREGRINE ROGUE WAVE Yang, XY; Li, LJ; ... ; Mihalache, D 2013 | ROMANIAN REPORTS IN PHYSICS 65 (2) , pp.391-400	1	2	1	3	0	4.8	48
27	Biodegradable Antimicrobial Food Packaging: Trends and Perspectives Malafaia, J; Pinal, R; ... ; Iordanescu, E Oct 2020 | FOODS 9 (10)	0	9	3	29	5	15.67	47
28	Recent changes in global drylands: Evidences from two major aridity databases Prăvălie, R; Patriche, C; ... ; Bandoc, G Jul 2019 | CATENA 178 , pp.209-231	0	3	19	24	1	11.75	47
29	Aspects Regarding the Pharmaceutical Waste Management in Romania Bălănuță, D-TP; Mihăilă, I; ... ; Bandoc, G Aug 2018 | ELECTRONICS 7 (8)	3	15	14	14	1	9.4	47
30	Spatial assessment of solar energy potential at global scale. A geographical approach Prăvălie, R; Patriche, C and Bandoc, G Feb 1 2019 | JOURNAL OF CLEANER PRODUCTION 209 , pp.692-721	0	6	18	20	2	11.5	46
31	Peristaltic Flow of Couple Stress Fluid in a Non-Uniform Rectangular Duct Having Compliant Walls Ellahi, R; Bhatti, MM; ... ; Sait, A Jan 1 2020 | COMMUNICATIONS IN THEORETICAL PHYSICS 69 (1) , pp.66-72	10	10	4	1	0	6.57	46
32	Microscopic cold fission yields of Cf-252 Mirea, M; Delion, DS and Sandulescu, A Apr 2010 | PHYSICAL REVIEW C 81 (4)	2	2	8	5	0	3.54	46
33	Bioinspired 3D printable pectin-nanocellulose ink formulations Campuzano, AI; Lozano, A-F; ... ; Iovu, H Sep 15 2019 | CARBOHYDRATE POLYMERS 220 , pp.12-21	0	1	13	30	1	11.25	45
34	Modeling and simulation of high pressure water scrubbing technology applied for biogas upgrading Ivanov, P; Wukovits, W; ... ; Gavrilescu, M Feb 2015 | CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY 17 (2) , pp.373-391	9	8	12	7	0	5.63	45
35	LIFE CYCLE ASSESSMENT OF WASTE MANAGEMENT AND RECYCLED PAPER SYSTEMS Ghinea, C; Petraru, M-C; ... ; Gavrilescu, M Aug 2014 | ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL 13 (8) , pp.2073-2085	7	6	2	2	0	5	45
36	STUDIES ON ACCUMULATION OF HEAVY METALS FROM SUBSTRATE TO EDIBLE WILD MUSHROOMS Stihi, C; Radulescu, C; ... ; Ene, A 10th International Balkan Workshop on Applied Physics 2011 | ROMANIAN JOURNAL OF PHYSICS 56 (1-2) , pp.207-264	1	4	8	2	0	3.75	45
37	Collapse of ultrashort spatiotemporal pulses described by the cubic generalized Kadomtsev-Petviashvili equation Leblond, H; Kremer, D and Mihalache, D Mar 2013 | PHYSICAL REVIEW A 87 (3)	4	3	1	4	1	3.46	45
38	Review of hybrid PLGA nanoparticles: Future of smart drug delivery and theranostics medicine Rahman, A; Bibi, A-T; ... ; Iqbal, M Aug 2020 | MATERIALS & DESIGN 193	0	8	3	41	0	14.67	44
39	Immunohistochemistry Particularities of Retroperitoneal Tumors Bratu, OG; Marcu, MB; ... ; Spinu, AD Jul 2018 | REVISTA DE CHIMIE 69 (7) , pp.1613-1616	22	18	1	2	0	8.6	43
40	Studies and Investigation about the Attitude towards Sustainable Production, Consumption and Waste Generation in Line with Circular Economy in Romania Lakatos, ES; Cioca, L-I; ... ; Bacali, L Mar 2019 | SUSTAINABILITY 11 (6)	9	12	8	14	0	8.6	43
41	COMBINED POROUS AND MAGNETIC EFFECTS ON SOME FUNDAMENTAL MOTIONS OF NEWTONIAN FLUIDS OVER AN INFINITE PLATE Fetecau, C; Ellahi, R; ... ; Sait, SM 2014 | JOURNAL OF POROUS MEDIA 21 (7) , pp.589-603	3	21	13	6	0	8.6	43
42	Flow over an infinite plate of a viscous fluid with non-integer order derivative without singular kernel Vieru, D and Fetecau, C Sep 2016 | ALEXANDRIA ENGINEERING JOURNAL 55 (3) , pp.2763-2776	9	13	12	5	0	6.14	43
43	ECOLOGICAL FOOTPRINT APPLIED IN THE ASSESSMENT OF CONSTRUCTION AND DEMOLITION WASTE INTEGRATED MANAGEMENT Simion, IM; Ghinea, C; ... ; Gavrilescu, M Apr 2017 | ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL 16 (4) , pp.775-786	4	5	7	7	0	4.3	43
44	Effects of formation properties in one-proton radioactivity Qi, C; Delion, DS; ... ; Wyss, R Jan 28 2011 | PHYSICAL REVIEW C 83 (1)	6	4	7	10	1	3.91	43
45	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) 2013 | THERMAL SCIENCE 17 , pp.589-598	5	6	9	12	0	5.25	42
46	Ultrashort spatiotemporal optical solitons in quadratic nonlinear media: Generation of line and lump solitons from few-cycle input pulses Leblond, H; Kremer, D and Mihalache, D Nov 2009 | PHYSICAL REVIEW A 80 (5)	4	2	1	1	1	3	42
47	Lattice solitons in optical media described by the complex Ginzburg-Landau model with PT-symmetric periodic potentials Hu, S and Mihalache, D Jan 14 2011 | PHYSICAL REVIEW A 83 (1)	4	3	1	0	0	4.1	41
48	HEAVY METAL ACCUMULATION AND TRANSLOCATION IN DIFFERENT PARTS OF BRASSICA OLERACEA L Radulescu, C; Stihi, C-I; ... ; Chilian, A 2013 | ROMANIAN JOURNAL OF PHYSICS 58 (9-10) , pp.1247-1254	5	11	7	4	1	4.1	41
49	Spatiotemporal optical solitons in carbon nanotube arrays Leblond, H and Mihalache, D Oct 12 2013 | PHYSICAL REVIEW A 88 (4)	4	6	2	4	0	3.73	41
50	Effects of iron nanoparticles' shape on convective flow of ferrofluid under highly oscillating magnetic field over stretchable rotating disk Hassan, M; Fetecau, C; ... ; Zeeshan, A Nov 1 2018 | JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS 465 , pp.551-559	0	17	14	9	0	8	40

Citation Report Publications Table