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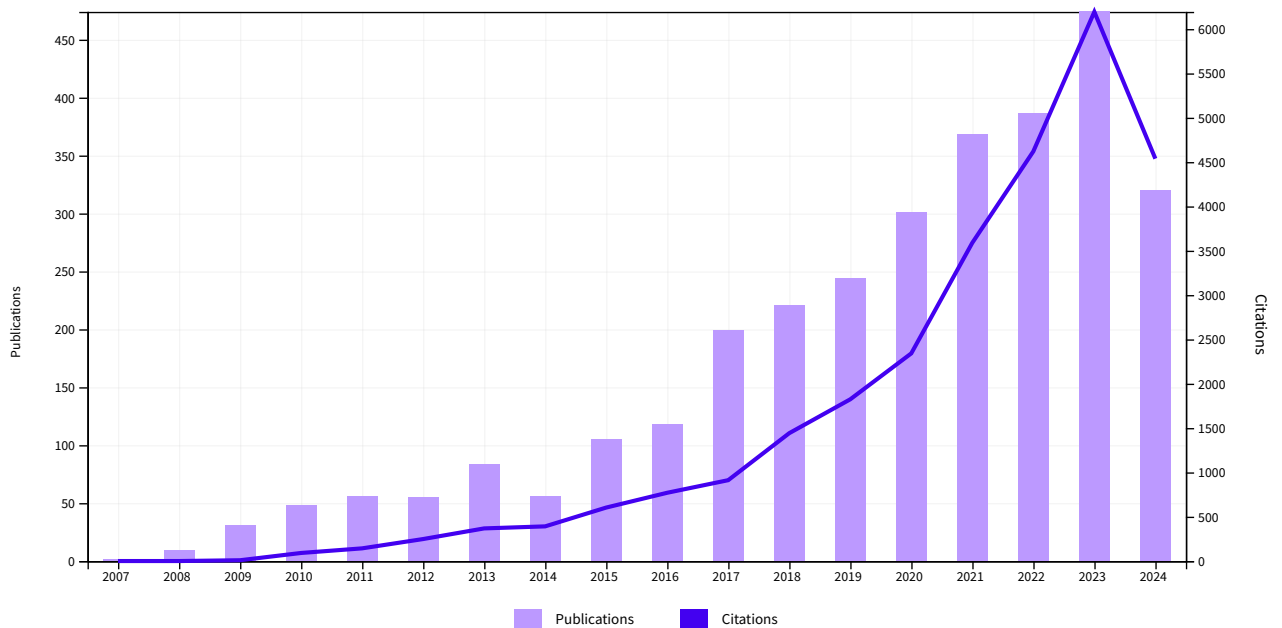
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#### Citations

< Previous year					Next year >					Average per year	Total
2020	2021	2022	2023	2024	2020	2021	2022	2023	2024	13	?

	Total	2,342	3,589	4,620	6,194	4,538	1,755.94	28,095
<p>⊖ 1</p> <p><a href="#">Emerging pollutants in the environment: present and future challenges in biomonitoring, ecological risks and bioremediation</a></p> <p><a href="#">Gavrilescu, M; Demnerová, K; (...); Fava, F</a></p> <p>Jan 25 2015   <a href="#">NEW BIOTECHNOLOGY</a> ▼ 32 (1) , pp.147-156</p>	115	120	114	97	48	83.3	833	
<p>⊖ 2</p> <p><a href="#">Models of few optical cycle solitons beyond the slowly varying envelope approximation</a></p> <p><a href="#">Leblond, H and Mihalache, D</a></p> <p>Feb 2013   <a href="#">PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS</a> ▼ 523 (2) , pp.61-126</p>	44	36	34	35	16	36.92	443	
<p>⊖ 3</p> <p><a href="#">An Overview of Oxidative Stress, Neuroinflammation, and Neurodegenerative Diseases</a></p> <p><a href="#">Teleanu, DM; Niculescu, AG; (...); Teleanu, RI</a></p> <p>Jun 2022   <a href="#">INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES</a> ▼ 23 (11)</p>	0	0	20	109	119	83	249	
<p>⊖ 4</p> <p><a href="#">Spin-Forbidden Transitions in the Spectra of Transition Metal Ions and Nephelauxetic Effect</a></p> <p><a href="#">Brik, MG; Camardello, SJ; (...); Suchocki, A</a></p> <p>2016   <a href="#">ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY</a> ▼ 5 (1) , pp.R3067-R3077</p>	27	37	34	30	11	23.78	214	
<p>⊖ 5</p> <p><a href="#">Introduction of the circular economy within developing regions: A comparative analysis of advantages and opportunities for waste valorization</a></p> <p><a href="#">Ferronato, N; Rada, EC; (...); Torretta, V</a></p> <p>Jan 15 2019   <a href="#">JOURNAL OF ENVIRONMENTAL MANAGEMENT</a> ▼ 230 , pp.366-378</p>	35	42	45	44	16	33.5	201	
<p>⊖ 6</p> <p><a href="#">Biodegradable Antimicrobial Food Packaging: Trends and Perspectives</a></p> <p><a href="#">Motelica, L; Ficaj, D; (...); Andronescu, E</a></p> <p>Oct 2020   <a href="#">FOODS</a> ▼ 9 (10)</p>	2	45	53	60	24	37	185	
<p><a href="#">Review of hybrid PLGA nanoparticles: Future of smart drug delivery and theranostics medicine</a></p>	4	44	53	47	34	36.4	182	

7	<a href="#">Ghitman, J</a> ; <a href="#">Biru, EI</a> ; (...); <a href="#">Iovu, H</a> Aug 2020   MATERIALS & DESIGN ▾ 193							
8	Experimental energy-dependent nuclear spin distributions <a href="#">von Egidy, T</a> and <a href="#">Bucurescu, D</a> Nov 2009   PHYSICAL REVIEW C ▾ 80 (5)	8	9	13	7	7	11	176
9	Burnout syndrome in Romanian medical residents in time of the COVID-19 pandemic <a href="#">Dimitriu, MCT</a> ; <a href="#">Pantea-Stoian, A</a> ; (...); <a href="#">Socea, B</a> Nov 2020   MEDICAL HYPOTHESES ▾ 144	16	54	56	32	15	34.6	173
10	Few-optical-cycle solitons: Modified Korteweg-de Vries sine-Gordon equation versus other non-slowly-varying-envelope-approximation models <a href="#">Leblond, H</a> and <a href="#">Mihalache, D</a> Jun 2009   PHYSICAL REVIEW A ▾ 79 (6)	15	8	11	11	8	9.81	157
11	Vector rogue waves in the Manakov system: diversity and compossibility <a href="#">Chen, SH</a> and <a href="#">Mihalache, D</a> May 29 2015   JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL ▾ 48 (21)	17	17	22	20	10	15.4	154
12	Arable lands under the pressure of multiple land degradation processes. A global perspective <a href="#">Pravalia, R</a> ; <a href="#">Patriche, C</a> ; (...); <a href="#">Bandoc, G</a> Mar 2021   ENVIRONMENTAL RESEARCH ▾ 194	0	21	34	58	37	37.5	150
13	Forecasting municipal solid waste generation using prognostic tools and regression analysis <a href="#">Ghinea, C</a> ; <a href="#">Dragoi, EN</a> ; (...); <a href="#">Gavrilescu, M</a> Nov 1 2016   JOURNAL OF ENVIRONMENTAL MANAGEMENT ▾ 182, pp.80-93	22	21	27	16	8	15.67	141
14	Occurrence and Fate of Emerging Pollutants in Water Environment and Options for Their Removal	0	16	32	49	42	34.75	139

	<p><a href="#">Vasilachi, J.C.; Asiminicesei, D.M.; (...); Gavrilesco, M</a> Jan 2021   WATER ▼ 13 (2)</p>							
15	<p>MULTIDIMENSIONAL LOCALIZED STRUCTURES IN OPTICS AND BOSE-EINSTEIN CONDENSATES: A SELECTION OF RECENT STUDIES <a href="#">Mihalache, D</a> 2014   ROMANIAN JOURNAL OF PHYSICS ▼ 59 (3-4) , pp.295-312</p>	6	9	8	4	3	12.64	139
16	<p>An Overview of Biopolymeric Electrospun Nanofibers Based on Polysaccharides for Wound Healing Management <a href="#">Iacob, A.T.; Dragan, M.; (...); Lupascu, D</a> Oct 2020   PHARMACEUTICS ▼ 12 (10)</p>	1	25	35	36	25	24.4	122
17	<p>Universal decay rule for reduced widths <a href="#">Delion, D.S</a> Aug 2009   PHYSICAL REVIEW C ▼ 80 (2)</p>	7	7	5	18	12	7	112
18	<p>Spatial assessment of solar energy potential at global scale. A geographical approach <a href="#">Pravalia, R; Patriche, C and Bandoc, G</a> Feb 1 2019   JOURNAL OF CLEANER PRODUCTION ▼ 209 , pp.692-721</p>	19	23	24	26	11	18.33	110
19	<p>A MODIFIED INERTIAL SUBGRADIENT EXTRAGRADIENT METHOD FOR SOLVING PSEUDOMONOTONE VARIATIONAL INEQUALITIES AND COMMON FIXED POINT PROBLEMS <a href="#">Ceng, L.C; Petrusel, A; (...); Yao, J.C</a> 2020   FIXED POINT THEORY ▼ 21 (1) , pp.93-108</p>	4	17	29	36	22	21.6	108
20	<p>Recent changes in global drylands: Evidences from two major aridity databases <a href="#">Pravalia, R; Bandoc, G; (...); Sternberg, T</a> Jul 2019   CATENA ▼ 178 , pp.209-231</p>	21	27	23	20	11	17.5	105
	<p>Comparative analysis of crystal field effects and optical spectroscopy of six-coordinated Mn<sup>4+</sup> ion in the Y<sub>2</sub>Ti<sub>2</sub>O<sub>7</sub> and</p>	8	3	3	5	3	7.5	105

<p>⊖ 21</p>	<p><a href="#">Y<sub>2</sub>Sn<sub>2</sub>O<sub>7</sub> pyrochlores</a>  <a href="#">Brik, MG; Srivastava, AM and Avram, NM</a>                      Sep 2011   <a href="#">OPTICAL MATERIALS</a> ▾ 33 (11), pp.1671-1676</p>							
<p>⊖ 22</p>	<p><a href="#">Open Problems in Nonlinear Conjugate Gradient Algorithms for Unconstrained Optimization</a>  <a href="#">Andrei, N</a>                      2011                        <a href="#">BULLETIN OF THE MALAYSIAN MATHEMATICAL SCIENCES SOCIETY</a> ▾ 34 (2), pp.319-330</p>	8	6	10	14	9	7.21	101
<p>⊖ 23</p>	<p><a href="#">Characterization of heavy metal toxicity in some plants and microorganisms-A preliminary approach for environmental bioremediation</a>  <a href="#">Diaconu, M; Pavel, LV; (...); Gavrilescu, M</a>                      May 25 2020   <a href="#">NEW BIOTECHNOLOGY</a> ▾ 56, pp.130-139</p>	12	23	31	23	10	19.8	99
<p>⊖ 24</p>	<p><a href="#">A perfusion incubator liver chip for 3D cell culture with application on chronic hepatotoxicity testing</a>  <a href="#">Yu, F; Deng, RS; (...); Yu, H</a>                      Nov 6 2017   <a href="#">SCIENTIFIC REPORTS</a> ▾ 7</p>	21	21	18	10	5	12.13	97
<p>⊖ 25</p>	<p><a href="#">Neurotransmitters-Key Factors in Neurological and Neurodegenerative Disorders of the Central Nervous System</a>  <a href="#">Teleanu, RI; Niculescu, AG; (...); Teleanu, DM</a>                      Jun 2022   <a href="#">INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES</a> ▾ 23 (11)</p>	0	0	4	47	44	31.67	95
<p>⊖ 26</p>	<p><a href="#">Biodegradable Alginate Films with ZnO Nanoparticles and Citronella Essential Oil-A Novel Antimicrobial Structure</a>  <a href="#">Motelica, L; Ficai, D; (...); Holban, AM</a>                      Jul 2021   <a href="#">PHARMACEUTICS</a> ▾ 13 (7)</p>	0	7	31	36	18	23	92
<p>⊖ 27</p>	<p><a href="#">Rhizobacteria and plant symbiosis in heavy metal uptake and its implications for soil bioremediation</a>  <a href="#">Sobariu, DL; Fertu, DIT; (...); Gavrilescu, M</a>                      Oct 25 2017   <a href="#">NEW BIOTECHNOLOGY</a> ▾ 39, pp.125-134</p>	17	13	13	11	6	11.5	92


<p>⊖ 28</p>	<p>NONLINEAR OPTICS OF INTENSE FEW-CYCLE PULSES: AN OVERVIEW OF RECENT THEORETICAL AND EXPERIMENTAL DEVELOPMENTS</p> <p><a href="#">Frantzeskakis, DJ</a>; <a href="#">Leblond, H</a> and <a href="#">Mihalache, D</a></p> <p>2014   ROMANIAN JOURNAL OF PHYSICS ▾ 59 (7-8) , pp.767-784</p>	3	2	2	0	1	8.27	91
<p>⊖ 29</p>	<p>Innovative Antimicrobial Chitosan/ZnO/Ag NPs/Citronella Essential Oil Nanocomposite - Potential Coating for Grapes</p> <p><a href="#">Motelica, L</a>; <a href="#">Ficaj, D</a>; (...); <a href="#">Andronescu, E</a></p> <p>Dec 2020   FOODS ▾ 9 (12)</p>	0	18	28	27	16	17.8	89
<p>⊖ 30</p>	<p>COMPARING ENVIRONMENTAL IMPACTS OF NATURAL INERT AND RECYCLED CONSTRUCTION AND DEMOLITION WASTE PROCESSING USING LCA</p> <p><a href="#">Simion, IM</a>; <a href="#">Fortuna, ME</a>; (...); <a href="#">Gavrilescu, M</a></p> <p>2013   JOURNAL OF ENVIRONMENTAL ENGINEERING AND LANDSCAPE MANAGEMENT ▾ 21 (4) , pp.273-287</p>	7	23	11	15	3	7.42	89
<p>⊖</p>		5	11	3	1	2	5.8	87
<p>⊖ 32</p>	<p>Recent Advances in Manufacturing Innovative Stents</p> <p><a href="#">Beshchasna, N</a>; <a href="#">Saqib, M</a>; (...); <a href="#">Andronescu, E</a></p> <p>Apr 2020   PHARMACEUTICS ▾ 12 (4)</p>	6	15	23	23	19	17.2	86
<p>⊖ 33</p>	<p>Nanostructures: a platform for brain repair and augmentation</p> <p><a href="#">Vidu, R</a>; <a href="#">Rahman, M</a>; (...); <a href="#">Opris, L</a></p> <p>2014   FRONTIERS IN SYSTEMS NEUROSCIENCE ▾ 8</p>	13	12	10	9	3	7.82	86
<p>⊖ 34</p>	<p>Amphiphilic Block Copolymers: Their Structures, and Self-Assembly to Polymeric Micelles and Polymersomes as Drug Delivery Vehicles</p> <p><a href="#">Kuperkar, K</a>; <a href="#">Patel, D</a>; (...); <a href="#">Bahadur, P</a></p> <p>Nov 2022   POLYMERS ▾ 14 (21)</p>	0	0	0	37	40	26	78

<p>35</p> <p>Modeling and simulation of high pressure water scrubbing technology applied for biogas upgrading</p> <p><a href="#">Cozma, P;</a> <a href="#">Wukovits, W;</a> (...); <a href="#">Gavrilescu, M</a></p> <p>Feb 2015   <a href="#">CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY</a> ▼ 17 (2), pp.373-391</p>	13	8	16	7	4	7.8	78
<p>36</p> <p>Aptamer-Functionalized Liposomes as a Potential Treatment for Basal Cell Carcinoma</p> <p><a href="#">Cadinoiu, AN;</a> <a href="#">Rata, DM;</a> (...); <a href="#">Popa, M</a></p> <p>Sep 2019   <a href="#">POLYMERS</a> ▼ 11 (9)</p>	9	22	14	17	15	12.83	77
<p>37</p> <p>Effects of the fractional order and magnetic field on the blood flow in cylindrical domains</p> <p><a href="#">Shah, NA;</a> <a href="#">Vieru, D</a> and <a href="#">Fetecau, C</a></p> <p>Jul 1 2016   <a href="#">JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS</a> ▼ 409, pp.10-19</p>	9	14	11	10	5	8.56	77
<p>38</p> <p>Effects of formation properties in one-proton radioactivity</p> <p><a href="#">Qi, C;</a> <a href="#">Delion, DS;</a> (...); <a href="#">Wyss, R</a></p> <p>Jan 30 2012   <a href="#">PHYSICAL REVIEW C</a> ▼ 85 (1)</p>	8	11	14	10	8	5.85	76
<p>39</p> <p>Polypharmacy in Type 2 Diabetes Mellitus: Insights from an Internal Medicine Department</p> <p><a href="#">Dobrica, EC;</a> <a href="#">Gaman, MA;</a> (...); <a href="#">Diaconu, CC</a></p> <p>Aug 2019   <a href="#">MEDICINA-LITHUANIA</a> ▼ 55 (8)</p>	14	27	9	14	8	12.33	74
<p>40</p> <p>Microfluidic Technology for Clinical Applications of Exosomes</p> <p><a href="#">Iliescu, FS;</a> <a href="#">Vrtacnik, D;</a> (...); <a href="#">Iliescu, C</a></p> <p>Jun 2019   <a href="#">MICROMACHINES</a> ▼ 10 (6)</p>	11	16	18	15	9	12.33	74
<p>41</p> <p>Eco-friendly preparation of electrically conductive chitosan - reduced graphene oxide flexible bionanocomposites for food packaging and biological applications</p> <p><a href="#">Barra, A;</a> <a href="#">Ferreira, NM;</a> (...); <a href="#">Nunes, C</a></p> <p>Mar 22 2019   <a href="#">COMPOSITES SCIENCE AND TECHNOLOGY</a> ▼ 173, pp.53-60</p>	15	22	13	13	7	12.33	74

MENU

<p>42 <a href="#">Bioinspired 3D printable pectin-nanocellulose ink formulations</a>  <a href="#">Cernencu, AI; Lungu, A;</a> (...); <a href="#">Iovu, H</a>                  Sep 15 2019   <a href="#">CARBOHYDRATE POLYMERS</a> ▾ 220 , pp.12-21</p>	13	31	9	14	5	12.17	73
<p>43 <a href="#">Studies and Investigation about the Attitude towards Sustainable Production, Consumption and Waste Generation in Line with Circular Economy in Romania</a>  <a href="#">Lakatos, ES; Cioca, LI;</a> (...); <a href="#">Barsan, G</a>                  Mar 2018   <a href="#">SUSTAINABILITY</a> ▾ 10 (3)</p>	8	16	17	5	6	10.43	73
<p>44 <a href="#">Applications of Chitosan-Alginate-Based Nanoparticles-An Up-to-Date Review</a>  <a href="#">Niculescu, AG</a> and <a href="#">Grumezescu, AM</a>                  Jan 2022   <a href="#">NANOMATERIALS</a> ▾ 12 (2)</p>	0	0	17	34	21	23.67	71
<p>45 <a href="#">Drug Delivery System Based on pH-Sensitive Biocompatible Poly(2-vinyl pyridine)-b-poly(ethylene oxide) Nanomicelles Loaded with Curcumin and 5-Fluorouracil</a>  <a href="#">Iurciuc-Tincu, CE; Cretan, MS;</a> (...); <a href="#">Ochiuz, L</a>                  Jul 2020   <a href="#">POLYMERS</a> ▾ 12 (7)</p>	3	22	22	14	10	14.2	71
<p>46 <a href="#">Aspects Regarding the Pharmaceutical Waste Management in Romania</a>  <a href="#">Bungau, S; Tit, DM;</a> (...); <a href="#">Bustea, C</a>                  Aug 2018   <a href="#">SUSTAINABILITY</a> ▾ 10 (8)</p>	14	17	9	8	5	10.14	71
<p>47 <a href="#">Optical, morphological and electrical studies of thermally vacuum evaporated CdTe thin films for photovoltaic applications</a>  <a href="#">Toma, O; Ion, L;</a> (...); <a href="#">Antohe, S</a>                  Oct 2014   <a href="#">SOLAR ENERGY</a> ▾ 108 , pp.51-60</p>	9	6	8	5	1	6.45	71
<p>48 <a href="#">"In vitro" behaviour of aptamer-functionalized polymeric nanocapsules loaded with 5-fluorouracil for targeted therapy</a>  <a href="#">Rata, DM; Cadinoiu, AN;</a> (...); <a href="#">Popa, M</a></p>	11	15	15	14	14	11.67	70



<p>Oct 2019   MATERIALS SCIENCE &amp; ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS ▾ 103</p>								
<p>49  Antibacterial Biodegradable Films Based on Alginate with Silver Nanoparticles and Lemongrass Essential Oil-Innovative Packaging for Cheese <a href="#">Motelica, L; Fical, D; (...); Holban, AM</a> Sep 2021   NANOMATERIALS ▾ 11 (9)</p>	0	0	23	33	12	17		68
<p>5  Naval nanocomposites based on epoxy resin/epoxy</p>								

COMPOSITES PART B-ENGINEERING ▾

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**Microfluidic trends in drug screening and drug delivery,**

**Trends in Analytical Chemistry, vol. 158, 2023, art. no 116821. (impact factor= 11.8)**

J. Feng, J. Neuzil, A. Manz, C. Iliescu\*, P. Neuzil

<https://doi.org/10.1016/j.trac.2022.116821>

**Nature Communications (2024) 15:3862 (impact factor=14.7)**

**A unifying modelling of multiple land degradation pathways in Europe**

Remus Prăvălie\*, Pasquale Borrelli, Panos Panagos, Cristiano Ballabio, Emanuele Lugato, Adrian Chappell, Gonzalo Miguez-Macho, Federico Maggi, Jian Peng, Mihai Niculiță, Bogdan Roșca, Cristian Patriche, Monica Dumitrașcu, Georgeta Bandoc, Ion-Andrei Nita, Marius-Victor Birsan

<https://doi.org/10.1038/s41467-024-48252-x>

**Journal of Magnesium and Alloys 10 (2022) 3380–3396 (impact factor=17.6)**

**Evaluation on the corrosion resistance, antibacterial property and osteogenic activity of biodegradable Mg-Ca and Mg-Ca-Zn-Ag alloys**

Hewei Chen, Bo Yuan, Rui Zhao, Xiao Yang, Zhanwen Xiao, Antoniac Aurora, Bitu Ana Iulia, Xiangdong Zhu\*, Antoniac Vasile Iulian\*, Xingdong Zhang

<https://doi.org/10.1016/j.jma.2021.05.013>

**Bioactive Materials 6 (2021) 3383–3395 (impact factor=18.9)**

**In vitro characterization of novel nanostructured collagen-hydroxyapatite composite scaffolds doped with magnesium with improved biodegradation rate for hard tissue regeneration**

Iulian V. Antoniac, Aurora Antoniac\*, Eugeniu Vasile\*, Camelia Tecu, Marco Fosca, Viktoriya G. Yankova, Julietta V. Rau\*

<https://doi.org/10.1016/j.bioactmat.2021.02.030>

**Physics Reports 929 (2021) 1–84 (impact factor=30.0)**

**Equation of Motion Method for strongly correlated Fermi systems and Extended RPA approaches**

P. Schuck, D.S. Delion\*, J. Dukelsky, M. Jemai, E. Litvinova, G. Röpke, M. Tohyama

<https://doi.org/10.1016/j.physrep.2021.06.001>

\* corresponding author