

Lucian Barbu-Tudoran

List of Publications by Citations

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159
papers

2,135
citations

26
h-index

36
g-index

187
ext. papers

2,659
ext. citations

3.7
avg, IF

5.14
L-index

#	Paper	IF	Citations
159	Cationic microparticles consisting of poly(lactide-co-glycolide) and polyethylenimine as carriers systems for parental DNA vaccination. <i>Journal of Controlled Release</i> , 2005 , 104, 359-77	11.7	92
158	Flower-shaped gold nanoparticles: synthesis, characterization and their application as SERS-active tags inside living cells. <i>Nanotechnology</i> , 2011 , 22, 055702	3.4	82
157	New PLA/ZnO:Cu/Ag bionanocomposites for food packaging. <i>EXPRESS Polymer Letters</i> , 2017 , 11, 531-544	4.4	70
156	Percolation Behavior of Electrically Conductive Graphene Nanoplatelets/Polymer Nanocomposites: Theory and Experiment. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2014 , 22, 413-433	1.8	68
155	Linear and nonlinear regression analysis for heavy metals removal using <i>Agaricus bisporus</i> macrofungus. <i>Arabian Journal of Chemistry</i> , 2017 , 10, S3569-S3579	5.9	66
154	Design of amine-modified graft polyesters for effective gene delivery using DNA-loaded nanoparticles. <i>Pharmaceutical Research</i> , 2004 , 21, 927-31	4.5	53
153	Photocatalytic activity of SnO-TiO composite nanoparticles modified with PVP. <i>Journal of Colloid and Interface Science</i> , 2019 , 542, 296-307	9.3	47
152	Deposition of nanoparticles in the arterial vessel by porous balloon catheters: localization by confocal laser scanning microscopy and transmission electron microscopy. <i>AAPS PharmSci</i> , 2002 , 4, E41		47
151	Three-dimensional organization of troponin on cardiac muscle thin filaments in the relaxed state. <i>Biophysical Journal</i> , 2014 , 106, 855-64	2.9	39
150	Magnetic recoverable Fe ₃ O ₄ -TiO ₂ :Eu composite nanoparticles with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2016 , 390, 248-259	6.7	38
149	Novel low temperature synthesis method for nanocrystalline zinc and magnesium chromites. <i>Thermochimica Acta</i> , 2011 , 526, 130-136	2.9	38
148	A characterization of four B16 murine melanoma cell sublines molecular fingerprint and proliferation behavior. <i>Cancer Cell International</i> , 2013 , 13, 75	6.4	37
147	Effect of nickel content on structural, morphological and magnetic properties of Ni _x Co _{1-x} Fe ₂ O ₄ /SiO ₂ nanocomposites. <i>Journal of Alloys and Compounds</i> , 2019 , 786, 330-340	5.7	36
146	Biomimetic electrochemical sensor for the highly selective detection of azithromycin in biological samples. <i>Biosensors and Bioelectronics</i> , 2020 , 155, 112098	11.8	34
145	Structure and magnetic properties of CoFe ₂ O ₄ /SiO ₂ nanocomposites obtained by sol-gel and post annealing pathways. <i>Ceramics International</i> , 2017 , 43, 2113-2122	5.1	34
144	Dynamics of semiflexible polymer solutions in the highly entangled regime. <i>Physical Review Letters</i> , 2008 , 101, 198301	7.4	34
143	Structural and magnetic properties of Co _x Fe _{3-x} O ₄ versus Co/Fe molar ratio. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 394, 111-116	2.8	32

142	Magnetic properties evolution of the $\text{Co}_x\text{Fe}_{3-x}\text{O}_4/\text{SiO}_2$ system due to advanced thermal treatment at 700°C and 1000°C. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 410, 47-54	2.8	32
141	Influence of polyol structure and molecular weight on the shape and properties of $\text{Ni}_{0.5}\text{Co}_{0.5}\text{Fe}_2\text{O}_4$ nanoparticles obtained by sol-gel synthesis. <i>Ceramics International</i> , 2019 , 45, 7458-7467	5.1	32
140	Tunable luminescence of broadband-excited and narrow line green emitting $\text{Y}_2\text{SiO}_5:\text{Ce}^{3+}, \text{Tb}^{3+}$ phosphor. <i>Journal of Alloys and Compounds</i> , 2016 , 658, 356-366	5.7	31
139	Influence of cobalt ferrite content on the structure and magnetic properties of $(\text{CoFe}_2\text{O}_4)_x(\text{SiO}_2\text{-PVA})_{100-x}$ nanocomposites. <i>Ceramics International</i> , 2018 , 44, 7891-7901	5.1	29
138	Efficient dual functionality of highly porous nanocomposites based on TiO_2 and noble metal particles. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 2672-2678	5.7	29
137	Thermal behavior of $\text{Co}_x\text{Fe}_{3-x}\text{O}_4/\text{SiO}_2$ nanocomposites obtained by a modified sol-gel method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 128, 39-52	4.1	28
136	Influence of Co/Fe ratio on the oxide phases in nanoparticles of $\text{Co}_x\text{Fe}_{3-x}\text{O}_4$. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 119, 1001-1009	4.1	28
135	Size and shape-controlled synthesis and characterization of CoFe_2O_4 nanoparticles embedded in a PVA- SiO_2 hybrid matrix. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017 , 128, 121-130	6	27
134	Detection of Dopamine by a Biomimetic Electrochemical Sensor Based on Polythioaniline-Bridged Gold Nanoparticles. <i>ChemPlusChem</i> , 2017 , 82, 561-569	2.8	27
133	Effect of annealing on the structure and magnetic properties of $\text{CoFe}_2\text{O}_4:\text{SiO}_2$ nanocomposites. <i>Ceramics International</i> , 2017 , 43, 9145-9152	5.1	25
132	Synthesis and characterisation of terbium activated yttrium tantalate phosphor. <i>Journal of Alloys and Compounds</i> , 2010 , 497, 201-209	5.7	25
131	Studies on the synthesis of europium activated yttrium oxide by wet-chemical method. <i>Journal of Alloys and Compounds</i> , 2009 , 471, 421-427	5.7	25
130	Study of the Molecular Recognition Mechanism of an Ultrathin MIP Film-Based Chiral Electrochemical Sensor. <i>Electrochimica Acta</i> , 2016 , 217, 195-202	6.7	25
129	Green synthesis of gold nanoparticles by <i>Allium sativum</i> extract and their assessment as SERS substrate. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	24
128	$\text{Fe}_3\text{O}_4\text{-TiO}_2$: Gd nanoparticles with enhanced photocatalytic activity and magnetic recyclability. <i>Powder Technology</i> , 2018 , 325, 441-451	5.2	23
127	A quality by design (QbD) study on enoxaparin sodium loaded polymeric microspheres for colon-specific delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 100, 249-261	5.1	21
126	Graphene-based materials produced by graphite electrochemical exfoliation in acidic solutions: Application to Sunset Yellow voltammetric detection. <i>Microchemical Journal</i> , 2019 , 147, 112-120	4.8	21
125	Preparation and cytocompatibility evaluation for hydrosoluble phosphorous acid-derivatized cellulose as tissue engineering scaffold material. <i>Journal of Materials Science: Materials in Medicine</i> , 2014 , 25, 1115-27	4.5	21

124	Pluronic-coated silver nanoprisms: Synthesis, characterization and their antibacterial activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 441, 77-83	5.1	21
123	Effects of different application parameters on penetration characteristics and arterial vessel wall integrity after local nanoparticle delivery using a porous balloon catheter. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2004 , 58, 161-8	5.7	20
122	Microwave assisted non-solvothermal synthesis of metal-organic frameworks. <i>RSC Advances</i> , 2016 , 6, 25967-25974	3.7	19
121	Applications of superparamagnetic iron oxide nanoparticles in drug and therapeutic delivery, and biotechnological advancements. <i>Beilstein Journal of Nanotechnology</i> , 2020 , 11, 1092-1109	3	19
120	Defining the design space for freeze-dried orodispersible tablets with meloxicam. <i>Drug Development and Industrial Pharmacy</i> , 2016 , 42, 1977-1989	3.6	19
119	Structure, mineralogy, and microbial diversity of geothermal spring microbialites associated with a deep oil drilling in Romania. <i>Frontiers in Microbiology</i> , 2015 , 6, 253	5.7	18
118	Surface-enhanced Raman scattering (SERS) and complementary techniques applied for the investigation of an Italian cultural heritage canvas. <i>Journal of Raman Spectroscopy</i> , 2013 , 44, 277-282	2.3	18
117	Synthesis of nanocrystalline nickel ferrite by thermal decomposition of organic precursors. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 108, 1033-1039	4.1	18
116	The self-assembly, elasticity, and dynamics of cardiac thin filaments. <i>Biophysical Journal</i> , 2008 , 94, 2170-2179	2.9	18
115	Enhanced photocatalytic activity of Co doped SnO ₂ nanoparticles by controlling the oxygen vacancy states. <i>Optical Materials</i> , 2020 , 110, 110472	3.3	18
114	Visible-light-driven photocatalytic degradation of different organic pollutants using Cu doped ZnO-MWCNT nanocomposites. <i>Journal of Alloys and Compounds</i> , 2021 , 866, 159010	5.7	17
113	Pt/UiO-66 Nanocomposites as Catalysts for CO Methanation Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 3187-3196	1.3	16
112	Influence of chemical oxidation upon the electro-catalytic properties of graphene-gold nanoparticle composite. <i>Electrochimica Acta</i> , 2013 , 91, 137-143	6.7	16
111	Osseointegration of titanium scaffolds manufactured by selective laser melting in rabbit femur defect model. <i>Journal of Materials Science: Materials in Medicine</i> , 2019 , 30, 26	4.5	15
110	From Blue Bioeconomy toward Circular Economy through High-Sensitivity Analytical Research on Waste Blue Crab Shells. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 16820-16827	8.3	14
109	Color-specific porosity in double pigmented natural 3d-nanoarchitectures of blue crab shell. <i>Scientific Reports</i> , 2020 , 10, 3019	4.9	14
108	Impact of Gd ions from the lattice of TiO ₂ nanoparticles on the formation of reactive oxygen species during the degradation of RhB under visible light irradiation. <i>Materials Science in Semiconductor Processing</i> , 2017 , 71, 61-68	4.3	14
107	Diversity and Biomineralization Potential of the Epilithic Bacterial Communities Inhabiting the Oldest Public Stone Monument of Cluj-Napoca (Transylvania, Romania). <i>Frontiers in Microbiology</i> , 2017 , 8, 372	5.7	14

106	Identification of new structural elements within 'porosomes' of the exocrine pancreas: a detailed study using high-resolution electron microscopy. <i>Micron</i> , 2013 , 44, 137-42	2.3	14
105	Chemical Composition of Celandine (<i>Chelidonium majus</i> L.) Extract and its Effects on <i>Botrytis tulipae</i> (Lib.) Lind Fungus and the Tulip. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2013 , 41, 414	1.2	14
104	Gold Nanopost-Shell Arrays Fabricated by Nanoimprint Lithography as a Flexible Plasmonic Sensing Platform. <i>Nanomaterials</i> , 2019 , 9,	5.4	13
103	Characterisation of nickel/zinc ferrite/silica nanocomposites with low ferrite concentration obtained by an improved modified sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2011 , 58, 126-134	2.3	12
102	Antifungal Activities of <i>Chelidonium majus</i> Extract on <i>Botrytis cinerea</i> in vitro and Ultrastructural Changes in its Conidia. <i>Journal of Phytopathology</i> , 2008 , 156, 550-552	1.8	12
101	The pharmaceutical applications of a biopolymer isolated from seeds: Focus on the freeze-dried matrix forming capacity. <i>Saudi Pharmaceutical Journal</i> , 2017 , 25, 1217-1225	4.4	11
100	Structural and luminescence effects of Ga co-doping on Ce-doped yttrium aluminate based phosphors. <i>Journal of Alloys and Compounds</i> , 2016 , 666, 447-453	5.7	11
99	Nanosized zinc and magnesium ferrites obtained from PVA-metal nitrates solutions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 113, 11-19	4.1	11
98	Thermal decomposition of metal nitrates. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 113, 21-30	4.1	11
97	Mineralogy of Iza Cave (Rodnei Mountains, N. Romania). <i>International Journal of Speleology</i> , 2011 , 40, 171-179	2	11
96	A rare cardiopulmonary parasite of the European badger, <i>Meles meles</i> : first description of the larvae, ultrastructure, pathological changes and molecular identification of <i>Angiostrongylus daskalovi</i> Janchev & Genov 1988. <i>Parasites and Vectors</i> , 2016 , 9, 423	4	11
95	Probing into the mesoporous structure of carbon xerogels via the low-field NMR relaxometry of water and cyclohexane molecules. <i>Microporous and Mesoporous Materials</i> , 2017 , 251, 19-25	5.3	10
94	Photocatalytic Efficiency of Zeolite-Based TiO ₂ Composites for Reduction of Cu (II): Kinetic Models. <i>International Journal of Applied Ceramic Technology</i> , 2014 , 11, 568-581	2	10
93	Influence of thermal treatment on the formation of zirconia nanostructured powder by thermal decomposition of different precursors. <i>Journal of Crystal Growth</i> , 2013 , 381, 93-99	1.6	10
92	Investigation of thermal decomposition of yttrium-aluminum-based precursors for YAG phosphors. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 110, 341-348	4.1	10
91	Cerium-doped yttrium aluminate-based phosphors prepared by wet-chemical synthesis route: Modulation of the luminescence color by changing the host-lattice composition. <i>Ceramics International</i> , 2014 , 40, 6233-6239	5.1	9
90	Silica matrices for embedding of magnetic nanoparticles. <i>Journal of Sol-Gel Science and Technology</i> , 2012 , 62, 31-40	2.3	9
89	Effect of ultrasound treatment on the morpho-structural and luminescent characteristics of cerium doped yttrium silicate phosphors. <i>Materials Research Bulletin</i> , 2015 , 68, 295-301	5.1	8

88	Gallium phosphinoarylbisthiolato complexes counteract drug resistance of cancer cells. <i>Metallomics</i> , 2014 , 6, 833-44	4.5	8
87	Testing the Preservation Activity of Ag-TiO ₂ -Fe and TiO ₂ Composites Included in the Polyethylene during Orange Juice Storage. <i>Journal of Food Process Engineering</i> , 2014 , 37, 596-608	2.4	8
86	Synthesis of nanosized zinc and magnesium chromites starting from PVA metal nitrate solutions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 110, 85-92	4.1	8
85	X-ray Photoelectron Spectroscopic Characterization of Ag Nanoparticles Embedded Bioglasses. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 17975-17979	3.8	8
84	Methodological constraints in the molecular biodiversity study of a thermomineral spring cyanobacterial mat: a case study. <i>Antonie Van Leeuwenhoek</i> , 2011 , 99, 271-81	2.1	8
83	MIL-101-Al ₂ O ₃ as catalytic support in the methanation of CO ₂ [Comparative study between Ni/MIL-101 and Ni/MIL-101-Al ₂ O ₃ catalysts. <i>Catalysis Today</i> , 2021 , 366, 114-122	5.3	8
82	Stone Paper as a New Substrate to Fabricate Flexible Screen-Printed Electrodes for the Electrochemical Detection of Dopamine. <i>Sensors</i> , 2020 , 20,	3.8	7
81	Sequential aqueous two-phase system for simultaneous purification of cyanobacterial phycobiliproteins. <i>Bioresource Technology</i> , 2020 , 315, 123794	11	7
80	Hypersaline sapropels act as hotspots for microbial dark matter. <i>Scientific Reports</i> , 2017 , 7, 6150	4.9	7
79	Arachidonic acid accumulates in the stromal macrophages during thymus involution in diabetes. <i>Histochemistry and Cell Biology</i> , 2011 , 136, 79-92	2.4	7
78	Highly porous nanocomposites based on TiO ₂ -noble metal particles for sensitive detection of water pollutants by SERS. <i>Journal of Physics: Conference Series</i> , 2011 , 304, 012059	0.3	7
77	Preparation and NMR Characterization of Polyethyl-2-cyanoacrylate Nanocapsules. <i>Applied Magnetic Resonance</i> , 2008 , 34, 111-119	0.8	7
76	Interplay between ferromagnetism and photocatalytic activity generated by Fe ³⁺ ions in iron doped ZnO nanoparticles grown on MWCNTs. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021 , 129, 114581	3	7
75	Chronic Rhinosinusitis: MALDI-TOF Mass Spectrometry Microbiological Diagnosis and Electron Microscopy Analysis; Experience of the 2nd Otorhinolaryngology Clinic of Cluj-Napoca, Romania. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	6
74	Electrochemical Detection of Lead Ions with Ordered Mesoporous Silica Modified Glassy Carbon Electrodes. <i>Water, Air, and Soil Pollution</i> , 2020 , 231, 1	2.6	6
73	Heterogeneities in the silver oxide-lead-germanate glasses. <i>Journal of Alloys and Compounds</i> , 2019 , 770, 395-404	5.7	6
72	Studies regarding the formation from metal nitrates and diol of NiM III ₂ O ₄ spinels, inside a silica matrix. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 108, 1041-1049	4.1	6
71	The Influence of the Au Nanoparticles Dimension on the Photocatalytic Performances of TiO ₂ -Au Porous Composites. <i>Acta Physica Polonica A</i> , 2012 , 121, 208-210	0.6	6

70	CO ₂ Methanation Using Multimodal Ni/SiO ₂ Catalysts: Effect of Support Modification by MgO, CeO ₂ , and La ₂ O ₃ . <i>Catalysts</i> , 2021 , 11, 443	4	6
69	Investigations of the Surface of Heritage Objects and Green Bioremediation: Case Study of Artefacts from Maramureș, Romania. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6643	2.6	6
68	Microbiological, Health and Comfort Aspects of Indoor Air Quality in a Romanian Historical Wooden Church. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	6
67	Influence of microstructure on the interphase exchange coupling of Nd ₂ Fe ₁₄ B/10wt%Fe nanocomposites obtained at different milling energies. <i>Journal of Alloys and Compounds</i> , 2017 , 697, 19-24	5.7	5
66	Evaluation of the biocompatibility of resin composite-based dental materials with gingival mesenchymal stromal cells. <i>Microscopy Research and Technique</i> , 2019 , 82, 1768-1778	2.8	5
65	An in vitro Study on the Biocompatibility of Titanium Implants Made by Selective Laser Melting. <i>Biotechnology and Bioprocess Engineering</i> , 2019 , 24, 782-792	3.1	5
64	Tracing CD34+ Stromal Fibroblasts in Palatal Mucosa and Periodontal Granulation Tissue as a Possible Cell Reservoir for Periodontal Regeneration. <i>Microscopy and Microanalysis</i> , 2015 , 21, 837-48	0.5	5
63	Study on the formation of MCr ₂ O ₄ /SiO ₂ nanocomposites from hybrid gels PVA/EOS/metal nitrates. <i>Thermochimica Acta</i> , 2013 , 564, 43-50	2.9	5
62	Chlorosulfonic Acid-based Room Temperature Chemical Expansion Route for the Bulk Production of Graphite Nanoplatelets. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2013 , 21, 149-157	1.8	5
61	Accumulation of tissue macrophages and depletion of resident macrophages in the diabetic thymus in response to hyperglycemia-induced thymocyte apoptosis. <i>Journal of Diabetes and Its Complications</i> , 2013 , 27, 114-22	3.2	5
60	Mesenchymal Stromal Cells Differentiating to Adipocytes Accumulate Autophagic Vesicles Instead of Functional Lipid Droplets. <i>Journal of Cellular Physiology</i> , 2016 , 231, 863-75	7	5
59	Tailoring the RhB removal rate by modifying the PVDF membrane surface through ZnO particles deposition. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 1642-1652	3.2	5
58	Morphological, biochemical, and phylogenetic assessments of eight <i>Botryococcus terribilis</i> strains collected from freshwaters of Transylvania. <i>Journal of Applied Phycology</i> , 2015 , 27, 865-878	3.2	4
57	New fabrication method for producing reduced graphene oxide flexible electrodes by using a low-power visible laser diode engraving system. <i>Nanotechnology</i> , 2020 , 31, 325402	3.4	4
56	Optical spectroscopy of the Ce-doped multicomponent garnets. <i>Applied Radiation and Isotopes</i> , 2016 , 114, 114-20	1.7	4
55	Studies on the synthesis of cerium activated yttrium aluminate phosphor by wet-chemical route. <i>Physics Procedia</i> , 2009 , 2, 603-616		4
54	SPION size dependent effects on normal and cancer cells. <i>Studia Universitatis Babeș-Bolyai Biologia</i> , 2017 , 62, 29-42	0	4
53	Interface tailoring of SnO ₂ /TiO ₂ photocatalysts modified with anionic/cationic surfactants. <i>Journal of Materials Science</i> , 2020 , 55, 3279-3298	4.3	4

52	Development and Characterization of FeO@Carbon Nanoparticles and Their Biological Screening Related to Oral Administration. <i>Materials</i> , 2021 , 14,	3.5	4
51	Molecular phylogeny of <i>Botryococcus braunii</i> strains (race A) [An integrative approach. <i>Algal Research</i> , 2016 , 19, 189-197	5	4
50	Composition, technology and provenance of Roman pottery from Napoca (Cluj-Napoca, Romania). <i>Clay Minerals</i> , 2018 , 53, 621-641	1.3	4
49	Studies regarding ZnS:Mn nanopowders prepared from single source molecular precursor using microwave-assisted decomposition. <i>Materials Research Bulletin</i> , 2016 , 84, 57-64	5.1	3
48	Investigation of a naturally patinated bronze artifact originating from the outdoor statuary group of Mathias Rex. <i>Journal of Cultural Heritage</i> , 2014 , 15, 546-549	2.9	3
47	Silica Coating of Ferromagnetic Iron Oxide Magnetic Nanoparticles Significantly Enhances Their Hyperthermia Performances for Efficiently Inducing Cancer Cells Death In Vitro.. <i>Pharmaceutics</i> , 2021 , 13,	6.4	3
46	Controllable H ₂ Generation by Formic Acid Decomposition on a Novel Pd/Templated Carbon Catalyst. <i>Hydrogen</i> , 2020 , 1, 22-37	1.8	3
45	Biocompatible Magnetic Colloidal Suspension Used as a Tool for Localized Hyperthermia in Human Breast Adenocarcinoma Cells: Physicochemical Analysis and Complex In Vitro Biological Profile. <i>Nanomaterials</i> , 2021 , 11,	5.4	3
44	Inside Pandora's box: Development of the lethal myrmecopathogenic fungus <i>Pandora formicae</i> within its ant host. <i>Fungal Ecology</i> , 2021 , 50, 101022	4.1	3
43	Evidence of SARS-CoV-2 Virus in the Middle Ear of Deceased COVID-19 Patients. <i>Diagnostics</i> , 2021 , 11,	3.8	3
42	Preparation and Characterization of Doxycycline-Loaded Electrospun PLA/HAP Nanofibers as a Drug Delivery System.. <i>Materials</i> , 2022 , 15,	3.5	3
41	Laparoscopic compatible device incorporating inductive proximity sensors for precise detection of gastric and colorectal small tumors. <i>Surgical Oncology</i> , 2020 , 35, 504-514	2.5	2
40	Electrochemical platform for the detection of adenosine using a sandwich-structured molecularly imprinted polymer-based sensor. <i>Electrochimica Acta</i> , 2020 , 354, 136656	6.7	2
39	Multi-analyses of gallstones and correlation between their properties with the laboratory results. <i>Analytical Biochemistry</i> , 2020 , 593, 113587	3.1	2
38	Influence of preparative conditions for obtaining ZnS:Mn nanoparticles using ultrasound-assisted precipitation. <i>Colloid and Polymer Science</i> , 2017 , 295, 2337	2.4	2
37	Poly-Hydroxybutyrate accumulation in bacterial consortia from different environments. <i>Canadian Journal of Microbiology</i> , 2012 , 58, 660-7	3.2	2
36	Nanostructures based on metallic nanoparticles and biomolecules 2012 ,		2
35	Hybrid PVDF-P(L-DOPA)-ZnO membranes for dyes and antibiotics removal through simultaneous action of adsorption and photocatalysis processes. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106812	6.8	2

34	A Microbial Mat Developed Around a Man-Made Geothermal Spring from Romania: Structure and Cyanobacterial Composition 2012 , 47-53		2
33	The Morphological and Anatomical Traits of the Leaf in Representative Species Observed on Indoor- and Outdoor-Grown Plants. <i>Plants</i> , 2021 , 10,	4.5	2
32	Single-cell Raman micro-spectroscopy for tracking of carotenoids in cyanobacteria exposed to Mn and Zn doped ferrite nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 254, 119607	4.4	2
31	Mesenchymal stromal cells support the viability and differentiation of thymocytes through direct contact in autologous co-cultures. <i>Histochemistry and Cell Biology</i> , 2016 , 146, 153-65	2.4	2
30	Physiological response to silver toxicity in the extremely halophilic archaeon Halomicrobium mukohataei. <i>FEMS Microbiology Letters</i> , 2019 , 366,	2.9	2
29	In Vivo Distribution of Poly(ethylene glycol) Functionalized Iron Oxide Nanoclusters: An Ultrastructural Study. <i>Nanomaterials</i> , 2021 , 11,	5.4	2
28	Cytotoxic Effects on Gingival Mesenchymal Stromal Cells and Root Surface Modifications Induced by Some Local Antimicrobial Products Used in Periodontitis Treatment. <i>Materials</i> , 2021 , 14,	3.5	2
27	Influence of polyols on the formation of nanocrystalline nickel ferrite inside silica matrices. <i>Journal of Crystal Growth</i> , 2017 , 457, 294-301	1.6	1
26	Thermal behavior and effect of SiO ₂ and PVA-SiO ₂ matrix on formation of Ni ₂ Zn ferrite nanoparticles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 138, 3845-3855	4.1	1
25	Characterization of Cu ₂ ZnSnS ₄ thin film deposited by pulse laser deposition 2017 ,		1
24	Ultrastructural evaluation of mesenchymal stem cells from inflamed periodontium in different in vitro conditions. <i>Microscopy Research and Technique</i> , 2015 , 78, 792-800	2.8	1
23	Evaluation of Antiproliferative Potential of Cerium Oxide Nanoparticles on HeLa Human Cervical Tumor Cell. <i>Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Food Science and Technology</i> , 2015 , 72,	0.8	1
22	Biofilms and inflammation in patients with chronic rhinosinusitis. <i>Medicine and Pharmacy Reports</i> , 2020 , 93, 374-383	1.5	1
21	Toxicological Profile of Biological Environment of Two Elastodontic Devices. <i>Processes</i> , 2021 , 9, 2116	2.9	1
20	Rapid and Application-Tailored Assessment Tool for Biogenic Powders from Crustacean Shell Waste: Fourier Transform-Infrared Spectroscopy Complemented with X-ray Diffraction, Scanning Electron Microscopy, and Nuclear Magnetic Resonance Spectroscopy. <i>ACS Omega</i> , 2021 , 6, 27773-27780	3.9	1
19	Novel Drug Carrier: 5-Fluorouracil Formulation in Nanoporous Biogenic Mg-calcite from Blue Crab Shells-Proof of Concept. <i>ACS Omega</i> , 2021 , 6, 27781-27790	3.9	1
18	Genomic and morphologic characterization of a planktonic Thiovulum (Campylobacterota) dominating the surface waters of the sulfidic Movile Cave, Romania		1
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