

Lucian Barbu-Tudoran

List of Publications by Year in descending order

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Version: 2024-02-01

183
papers

3,266
citations

159525

30
h-index

233338

45
g-index

187
all docs

187
docs citations

187
times ranked

4505
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.3	106
2	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, 359-377.	4.8	97
3	New PLA/ZnO:Cu/Ag bionanocomposites for food packaging. <i>EXPRESS Polymer Letters</i> , 2017, 11, 531-544.	1.1	95
4	Flower-shaped gold nanoparticles: synthesis, characterization and their application as SERS-active tags inside living cells. <i>Nanotechnology</i> , 2011, 22, 055702.	1.3	90
5	Percolation Behavior of Electrically Conductive Graphene Nanoplatelets/Polymer Nanocomposites: Theory and Experiment. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2014, 22, 413-433.	1.0	82
6	Photocatalytic activity of SnO ₂ -TiO ₂ composite nanoparticles modified with PVP. <i>Journal of Colloid and Interface Science</i> , 2019, 542, 296-307.	5.0	71
7	Biomimetic electrochemical sensor for the highly selective detection of azithromycin in biological samples. <i>Biosensors and Bioelectronics</i> , 2020, 155, 112098.	5.3	61
8	Design of Amine-Modified Graft Polyesters for Effective Gene Delivery Using DNA-Loaded Nanoparticles. <i>Pharmaceutical Research</i> , 2004, 21, 927-931.	1.7	57
9	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, 206-211.	1.3	53
10	A characterization of four B16 murine melanoma cell sublines molecular fingerprint and proliferation behavior. <i>Cancer Cell International</i> , 2013, 13, 75.	1.8	53
11	Influence of polyol structure and molecular weight on the shape and properties of Ni _{0.5} Co _{0.5} Fe ₂ O ₄ nanoparticles obtained by sol-gel synthesis. <i>Ceramics International</i> , 2019, 45, 7458-7467.	2.3	52
12	Applications of superparamagnetic iron oxide nanoparticles in drug and therapeutic delivery, and biotechnological advancements. <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 1092-1109.	1.5	52
13	Effect of nickel content on structural, morphological and magnetic properties of Ni Co ₁ -Fe ₂ O ₄ /SiO ₂ nanocomposites. <i>Journal of Alloys and Compounds</i> , 2019, 786, 330-340.	2.8	51
14	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.	2.8	51
15	Magnetic recoverable Fe ₃ O ₄ -TiO ₂ :Eu composite nanoparticles with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2016, 390, 248-259.	3.1	49
16	Enhanced photocatalytic activity of Co doped SnO ₂ nanoparticles by controlling the oxygen vacancy states. <i>Optical Materials</i> , 2020, 110, 110472.	1.7	49
17	Novel low temperature synthesis method for nanocrystalline zinc and magnesium chromites. <i>Thermochimica Acta</i> , 2011, 526, 130-136.	1.2	47
18	Three-Dimensional Organization of Troponin on Cardiac Muscle Thin Filaments in the Relaxed State. <i>Biophysical Journal</i> , 2014, 106, 855-864.	0.2	46

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19	Influence of Co/Fe ratio on the oxide phases in nanoparticles of $\text{Co}_x\text{Fe}_{3-x}\text{O}_4$. Journal of Thermal Analysis and Calorimetry, 2015, 119, 1001-1009.	2.0	46
20	Structural and magnetic properties of $\text{Co}_x\text{Fe}_{3-x}\text{O}_4$ versus Co/Fe molar ratio. Journal of Magnetism and Magnetic Materials, 2015, 394, 111-116.	1.0	46
21	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 . Journal of Magnetism and Magnetic Materials, 2016, 410, 47-54.	1.0	46
22	Effect of annealing on the structure and magnetic properties of $\text{CoFe}_2\text{O}_4/\text{SiO}_2$ nanocomposites. Ceramics International, 2017, 43, 9145-9152.	2.3	45
23	Structure and magnetic properties of $\text{CoFe}_2\text{O}_4/\text{SiO}_2$ nanocomposites obtained by sol-gel and post annealing pathways. Ceramics International, 2017, 43, 2113-2122.	2.3	45
24	Thermal behavior of $\text{Co}_x\text{Fe}_{3-x}\text{O}_4/\text{SiO}_2$ nanocomposites obtained by a modified sol-gel method. Journal of Thermal Analysis and Calorimetry, 2017, 128, 39-52.	2.0	44
25	Dynamics of Semiflexible Polymer Solutions in the Highly Entangled Regime. Physical Review Letters, 2008, 101, 198301.	2.9	42
26	Size and shape-controlled synthesis and characterization of CoFe_2O_4 nanoparticles embedded in a PVA- SiO_2 hybrid matrix. Journal of Analytical and Applied Pyrolysis, 2017, 128, 121-130.	2.6	42
27	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. Ceramics International, 2018, 44, 7891-7901.	2.3	41
28	Tunable luminescence of broadband-excited and narrow line green emitting $\text{Y}_2\text{SiO}_5:\text{Ce}^{3+}, \text{Tb}^{3+}$ phosphor. Journal of Alloys and Compounds, 2016, 658, 356-366.	2.8	38
29	Preparation and cytocompatibility evaluation for hydrosoluble phosphorous acid-derivatized cellulose as tissue engineering scaffold material. Journal of Materials Science: Materials in Medicine, 2014, 25, 1115-1127.	1.7	34
30	Synthesis and characterisation of terbium activated yttrium tantalate phosphor. Journal of Alloys and Compounds, 2010, 497, 201-209.	2.8	32
31	Green synthesis of gold nanoparticles by Allium sativum extract and their assessment as SERS substrate. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	32
32	A quality by design (QbD) study on enoxaparin sodium loaded polymeric microspheres for colon-specific delivery. European Journal of Pharmaceutical Sciences, 2017, 100, 249-261.	1.9	31
33	Detection of Dopamine by a Biomimetic Electrochemical Sensor Based on Polythioaniline-Bridged Gold Nanoparticles. ChemPlusChem, 2017, 82, 561-569.	1.3	31
34	$\text{Fe}_3\text{O}_4\text{-TiO}_2$: Gd nanoparticles with enhanced photocatalytic activity and magnetic recyclability. Powder Technology, 2018, 325, 441-451.	2.1	31
35	Efficient dual functionality of highly porous nanocomposites based on TiO_2 and noble metal particles. Journal of Alloys and Compounds, 2011, 509, 2672-2678.	2.8	30
36	Graphene-based materials produced by graphite electrochemical exfoliation in acidic solutions: Application to Sunset Yellow voltammetric detection. Microchemical Journal, 2019, 147, 112-120.	2.3	30

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37	Study of the Molecular Recognition Mechanism of an Ultrathin MIP Film-Based Chiral Electrochemical Sensor. <i>Electrochimica Acta</i> , 2016, 217, 195-202.	2.6	29
38	Investigation on the formation, structural and photocatalytic properties of mixed Mn-Zn ferrites nanoparticles embedded in SiO ₂ matrix. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 158, 105281.	2.6	29
39	Studies on the synthesis of europium activated yttrium oxide by wet-chemical method. <i>Journal of Alloys and Compounds</i> , 2009, 471, 421-427.	2.8	28
40	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, 9908.	1.2	27
41	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.	0.5	26
42	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.	1.6	26
43	Microwave assisted non-solvothermal synthesis of metal-organic frameworks. <i>RSC Advances</i> , 2016, 6, 25967-25974.	1.7	25
44	The Self-Assembly, Elasticity, and Dynamics of Cardiac Thin Filaments. <i>Biophysical Journal</i> , 2008, 94, 2170-2178.	0.2	24
45	Synthesis of nanocrystalline nickel ferrite by thermal decomposition of organic precursors. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 108, 1033-1039.	2.0	24
46	Pluronic-coated silver nanoprisms: Synthesis, characterization and their antibacterial activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 441, 77-83.	2.3	24
47	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.	1.5	24
48	Defining the design space for freeze-dried orodispersible tablets with meloxicam. <i>Drug Development and Industrial Pharmacy</i> , 2016, 42, 1977-1989.	0.9	24
49	Pt/UIO-66 Nanocomposites as Catalysts for CO ₂ Methanation Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 3187-3196.	0.9	24
50	Preparation and Characterization of Doxycycline-Loaded Electrospun PLA/HAP Nanofibers as a Drug Delivery System. <i>Materials</i> , 2022, 15, 2105.	1.3	24
51	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, 161-168.	2.0	22
52	Investigations of the Surface of Heritage Objects and Green Bioremediation: Case Study of Artefacts from MaramureÅ, Romania. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6643.	1.3	22
53	Identification of new structural elements within "porosomes"™ of the exocrine pancreas: A detailed study using high-resolution electron microscopy. <i>Micron</i> , 2013, 44, 137-142.	1.1	21
54	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, 08, 372.	1.5	21

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55	Color-specific porosity in double pigmented natural 3d-nanoarchitectures of blue crab shell. <i>Scientific Reports</i> , 2020, 10, 3019.	1.6	21
56	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.	1.9	20
57	Gold Nanopost-Shell Arrays Fabricated by Nanoimprint Lithography as a Flexible Plasmonic Sensing Platform. <i>Nanomaterials</i> , 2019, 9, 1519.	1.9	20
58	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.	3.2	20
59	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.	0.5	19
60	The pharmaceutical applications of a biopolymer isolated from <i>Trigonella foenum-graecum</i> seeds: Focus on the freeze-dried matrix forming capacity. <i>Saudi Pharmaceutical Journal</i> , 2017, 25, 1217-1225.	1.2	19
61	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.	1.2	18
62	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.	1.7	18
63	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.	3.3	18
64	Sequential aqueous two-phase system for simultaneous purification of cyanobacterial phycobiliproteins. <i>Bioresource Technology</i> , 2020, 315, 123794.	4.8	17
65	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.	1.3	17
66	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.	1.9	17
67	Influence of chemical oxidation upon the electro-catalytic properties of graphene-gold nanoparticle composite. <i>Electrochimica Acta</i> , 2013, 91, 137-143.	2.6	16
68	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.	2.8	16
69	Stone Paper as a New Substrate to Fabricate Flexible Screen-Printed Electrodes for the Electrochemical Detection of Dopamine. <i>Sensors</i> , 2020, 20, 3609.	2.1	16
70	Biosynthesis of Iron Oxide Nanoparticles: Physico-Chemical Characterization and Their In Vitro Cytotoxicity on Healthy and Tumorigenic Cell Lines. <i>Nanomaterials</i> , 2022, 12, 2012.	1.9	16
71	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.	1.1	15
72	Hypersaline sapropels act as hotspots for microbial dark matter. <i>Scientific Reports</i> , 2017, 7, 6150.	1.6	15

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73	The effect of 100–200 nm ZnO and TiO ₂ nanoparticles on the in vitro-grown soybean plants. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 216, 112536.	2.5	15
74	Mineralogy of Iza Cave (Rodnei Mountains, N. Romania). <i>International Journal of Speleology</i> , 2011, 40, 171-179.	0.4	14
75	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.	2.2	14
76	Evidence of SARS-CoV-2 Virus in the Middle Ear of Deceased COVID-19 Patients. <i>Diagnostics</i> , 2021, 11, 1535.	1.3	14
77	Nanosized zinc and magnesium ferrites obtained from PVA–metal nitrates™ solutions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 113, 11-19.	2.0	13
78	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.	0.7	13
79	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.	1.0	13
80	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.	2.2	13
81	Electrochemical platform for the detection of adenosine using a sandwich-structured molecularly imprinted polymer-based sensor. <i>Electrochimica Acta</i> , 2020, 354, 136656.	2.6	13
82	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	12
83	Thermal decomposition of metal nitrates. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 113, 21-30.	2.0	12
84	Controllable H ₂ Generation by Formic Acid Decomposition on a Novel Pd/Templated Carbon Catalyst. <i>Hydrogen</i> , 2020, 1, 22-37.	1.7	12
85	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, 1189.	1.9	12
86	Development and Characterization of Fe ₃ O ₄ @Carbon Nanoparticles and Their Biological Screening Related to Oral Administration. <i>Materials</i> , 2021, 14, 3556.	1.3	12
87	Investigation of thermal decomposition of yttrium–aluminum-based precursors for YAG phosphors. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 110, 341-348.	2.0	11
88	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.	2.3	11
89	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.	1.1	11
90	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.	2.7	11

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91	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.	1.2	11
92	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.	2.0	11
93	Methodological constraints in the molecular biodiversity study of a thermomineral spring cyanobacterial mat: a case study. <i>Antonie Van Leeuwenhoek</i> , 2011, 99, 271-281.	0.7	10
94	Silica matrices for embedding of magnetic nanoparticles. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 62, 31-40.	1.1	10
95	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.	1.5	10
96	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.	2.8	10
97	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, 3973.	1.0	10
98	Respiratory Nasal Mucosa in Chronic Rhinosinusitis with Nasal Polyps versus COVID-19: Histopathology, Electron Microscopy Analysis and Assessing of Tissue Interleukin-33. <i>Journal of Clinical Medicine</i> , 2021, 10, 4110.	1.0	10
99	Biomimetic Composite Coatings for Activation of Titanium Implant Surfaces: Methodological Approach and In Vivo Enhanced Osseointegration. <i>Micromachines</i> , 2021, 12, 1352.	1.4	10
100	Preparation and NMR Characterization of Polyethyl-2-cyanoacrylate Nanocapsules. <i>Applied Magnetic Resonance</i> , 2008, 34, 111-119.	0.6	9
101	Gallium phosphinoarylthiolato complexes counteract drug resistance of cancer cells. <i>Metallomics</i> , 2014, 6, 833.	1.0	9
102	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.	1.5	9
103	Composition, technology and provenance of Roman pottery from Napoca (Cluj-Napoca). Tj ETQq1 1 0.784314,rgBT /Qoverlock 0,2 9		
104	Heterogeneities in the silver oxide-lead-germanate glasses. <i>Journal of Alloys and Compounds</i> , 2019, 770, 395-404.	2.8	9
105	Electrochemical Detection of Lead Ions with Ordered Mesoporous Silica-Modified Glassy Carbon Electrodes. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	9
106	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, 2026.	2.0	9
107	Arachidonic acid accumulates in the stromal macrophages during thymus involution in diabetes. <i>Histochemistry and Cell Biology</i> , 2011, 136, 79-92.	0.8	8
108	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.	2.0	8

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109	X-ray Photoelectron Spectroscopic Characterization of Ag Nanoparticles Embedded Bioglasses. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17975-17979.	1.5	8
110	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, 153-165.	0.8	8
111	Interface tailoring of SnO ₂ /TiO ₂ photocatalysts modified with anionic/cationic surfactants. <i>Journal of Materials Science</i> , 2020, 55, 3279-3298.	1.7	8
112	Multi-analyses of gallstones and correlation between their properties with the laboratory results. <i>Analytical Biochemistry</i> , 2020, 593, 113587.	1.1	8
113	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.	1.3	7
114	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.	0.7	7
115	In Vivo Distribution of Poly(ethylene glycol) Functionalized Iron Oxide Nanoclusters: An Ultrastructural Study. <i>Nanomaterials</i> , 2021, 11, 2184.	1.9	7
116	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.	0.2	7
117	Studies regarding the formation from metal nitrates and diol of NiM ₂ III O ₄ spinels, inside a silica matrix. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 108, 1041-1049.	2.0	6
118	Study on the formation of MCr ₂ O ₄ /SiO ₂ nanocomposites from hybrid gels PVA/TEOS/metal nitrates. <i>Thermochimica Acta</i> , 2013, 564, 43-50.	1.2	6
119	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, 114-122.	1.2	6
120	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, 837-848.	0.2	6
121	Mesenchymal Stromal Cells Differentiating to Adipocytes Accumulate Autophagic Vesicles Instead of Functional Lipid Droplets. <i>Journal of Cellular Physiology</i> , 2016, 231, 863-875.	2.0	6
122	Optical spectroscopy of the Ce-doped multicomponent garnets. <i>Applied Radiation and Isotopes</i> , 2016, 114, 114-120.	0.7	6
123	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.	1.4	6
124	Continuity and diversity of Roman pottery production at Famars (northern France) in the 2nd-4th centuries AD: insights from the pottery waste. <i>Archaeological and Anthropological Sciences</i> , 2020, 12, 1.	0.7	6
125	Synthesis and characterization of Fe ₃ O ₄ /ZnS:Mn nanocomposites for biomedical applications. <i>Materials Chemistry and Physics</i> , 2021, 264, 124474.	2.0	6
126	Design, in vitro bioactivity and in vivo influence on oxidative stress and matrix metalloproteinases of bioglasses in experimental skin wound. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021, 68, 126846.	1.5	6

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127	Study on the Surface of Cobalt-Chromium Dental Alloys and Their Behavior in Oral Cavity as Cast Materials. <i>Materials</i> , 2022, 15, 3052.	1.3	6
128	Biogas upgrading to syngas by combined reforming using Ni/CeO ₂ -Al ₂ O ₃ with bimodal pore structure. <i>Microporous and Mesoporous Materials</i> , 2022, 341, 112082.	2.2	6
129	A Fast, Reliable Oil-In-Water Microemulsion Procedure for Silica Coating of Ferromagnetic Zn Ferrite Nanoparticles Capable of Inducing Cancer Cell Death In Vitro. <i>Biomedicines</i> , 2022, 10, 1647.	1.4	6
130	Studies on the synthesis of cerium activated yttrium aluminate phosphor by wet-chemical route. <i>Physics Procedia</i> , 2009, 2, 603-616.	1.2	5
131	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.	1.0	5
132	Molecular phylogeny of <i>Botryococcus braunii</i> strains (race A) – An integrative approach. <i>Algal Research</i> , 2016, 19, 189-197.	2.4	5
133	The Morphological and Anatomical Traits of the Leaf in Representative <i>Vinca</i> Species Observed on Indoor- and Outdoor-Grown Plants. <i>Plants</i> , 2021, 10, 622.	1.6	5
134	SPION size dependent effects on normal and cancer cells. <i>Studia Universitatis Babes-Bolyai Biologia</i> , 2017, 62, 29-42.	0.2	5
135	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.	1.6	5
136	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.	1.6	5
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