

Daniela Culita

List of Publications by Year in descending order

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90
papers

1,491
citations

279798

23
h-index

395702

33
g-index

90
all docs

90
docs citations

90
times ranked

2281
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of ZnO addition on the structural, in vitro behavior and antimicrobial activity of sol-gel derived CaO-P 2 O 5 -SiO 2 bioactive glasses. <i>Ceramics International</i> , 2016, 42, 3033-3045.	4.8	68
2	Pb ²⁺ removal from aqueous synthetic solutions by calcium alginate and chitosan coated calcium alginate. <i>Reactive and Functional Polymers</i> , 2016, 109, 137-150.	4.1	62
3	Synthesis of magnetite nanoparticles in the presence of aminoacids. <i>Journal of Nanoparticle Research</i> , 2006, 8, 1045-1051.	1.9	58
4	o-Vanillin functionalized mesoporous silica -coated magnetite nanoparticles for efficient removal of Pb(II) from water. <i>Journal of Solid State Chemistry</i> , 2016, 238, 311-320.	2.9	52
5	CO oxidation over Pd supported catalysts -In situ study of the electric and catalytic properties. <i>Applied Catalysis B: Environmental</i> , 2017, 207, 166-173.	20.2	49
6	High-performance solid state supercapacitors assembling graphene interconnected networks in porous silicon electrode by electrochemical methods using 2,6-dihydroxynaphthalen. <i>Scientific Reports</i> , 2018, 8, 9654.	3.3	43
7	Covalently grafted TEMPO on graphene oxide: A composite material for selective oxidations of alcohols. <i>Carbon</i> , 2016, 105, 607-614.	10.3	42
8	Cerium-containing mesoporous bioactive glasses: Material characterization, in vitro bioactivity, biocompatibility and cytotoxicity evaluation. <i>Microporous and Mesoporous Materials</i> , 2019, 276, 76-88.	4.4	41
9	Effect of surfactant concentration on textural, morphological and magnetic properties of CoFe ₂ O ₄ nanoparticles and evaluation of their adsorptive capacity for Pb(II) ions. <i>Ceramics International</i> , 2015, 41, 13553-13560.	4.8	40
10	Comparative Study of CoFe ₂ O ₄ Nanoparticles and CoFe ₂ O ₄ -Chitosan Composite for Congo Red and Methyl Orange Removal by Adsorption. <i>Nanomaterials</i> , 2021, 11, 711.	4.1	40
11	Influence of preparation method and nitrogen (N) doping on properties and photo-catalytic activity of mesoporous SrTiO ₃ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 368, 41-51.	3.9	39
12	Thermal analysis of two types of dextran-coated magnetite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 101, 181-187.	3.6	38
13	Mesoporous cobalt ferrite: A rival of platinum catalyst in methane combustion reaction. <i>Applied Catalysis A: General</i> , 2013, 467, 178-186.	4.3	36
14	Schiff base-functionalized mesoporous silicas (MCM-41, HMS) as Pb(II) adsorbents. <i>RSC Advances</i> , 2018, 8, 176-189.	3.6	35
15	Porous nanosized oxide powders in the MgO-TiO ₂ binary system obtained by sol-gel method. <i>Ceramics International</i> , 2014, 40, 15693-15701.	4.8	34
16	Formation and Stabilization of Gold Nanoparticles in Bovine Serum Albumin Solution. <i>Molecules</i> , 2019, 24, 3395.	3.8	33
17	A new approach: Synthesis of cobalt aluminate nanoparticles using tamarind fruit extract. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019, 246, 42-48.	3.5	30
18	Precursor method -A nonconventional route for the synthesis of ZnCr ₂ O ₄ spinel. <i>Journal of Physics and Chemistry of Solids</i> , 2013, 74, 1295-1302.	4.0	28

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19	Antimicrobial Features of Organic Functionalized Graphene-Oxide with Selected Amines. <i>Materials</i> , 2018, 11, 1704.	2.9	28
20	Superparamagnetic nanomagnetites modified with histidine and tyrosine. <i>Materials Chemistry and Physics</i> , 2008, 111, 381-385.	4.0	25
21	Nanocrystalline $\text{Sm}_{0.5}\text{Sr}_{0.5}\text{CoO}_3$ synthesized using a chelating route for use in IT-SOFC cathodes: Microstructure, surface chemistry and electrical conductivity. <i>Journal of Solid State Chemistry</i> , 2014, 210, 53-59.	2.9	25
22	Lipoic Acid Gold Nanoparticles Functionalized with Organic Compounds as Bioactive Materials. <i>Nanomaterials</i> , 2017, 7, 43.	4.1	25
23	Structural, magnetic and catalytic properties of cobalt chromite obtained through precursor method. <i>Materials Research Bulletin</i> , 2015, 62, 52-64.	5.2	24
24	Eco-friendly synthetic route for layered zinc compound and its conversion to ZnO with photocatalytic properties. <i>Solid State Sciences</i> , 2013, 23, 58-64.	3.2	22
25	Thermal stability of amino acid-(tyrosine and tryptophan) coated magnetites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 91, 627-632.	3.6	21
26	Sol-gel zirconia-based nanopowders with potential applications for sensors. <i>Ceramics International</i> , 2015, 41, 4381-4390.	4.8	20
27	Thermal behavior of silicophosphate gels obtained from different precursors. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 114, 91-99.	3.6	19
28	Covalent coupling of tuberculostatic agents and graphene oxide: A promising approach for enhancing and extending their antimicrobial applications. <i>Applied Surface Science</i> , 2019, 471, 553-565.	6.1	19
29	Synthesis and characterization of spinel ferrites obtained from coordination compounds as precursors. <i>Journal of Alloys and Compounds</i> , 2007, 432, 211-216.	5.5	18
30	Additive-free 1,4-butanediol mediated synthesis: a suitable route to obtain nanostructured, mesoporous spherical zinc oxide materials with multifunctional properties. <i>RSC Advances</i> , 2015, 5, 99976-99989.	3.6	18
31	Investigation of nanocrystalline zinc chromite obtained by two soft chemical routes. <i>Materials Research Bulletin</i> , 2014, 49, 151-159.	5.2	17
32	Sustainable one-pot integration of ZnO nanoparticles into carbon spheres: manipulation of the morphological, optical and electrochemical properties. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 30794-30807.	2.8	17
33	Lipoic acid functionalized $\text{SiO}_2@Ag$ nanoparticles. Synthesis, characterization and evaluation of biological activity. <i>Materials Science and Engineering C</i> , 2017, 79, 499-506.	7.3	17
34	Influence of surfactant-tailored Mn-doped ZnO nanoparticles on ROS production and DNA damage induced in murine fibroblast cells. <i>Scientific Reports</i> , 2020, 10, 18062.	3.3	17
35	Carbonaceous spheres—an unusual template for solid metal oxide mesoscale spheres: Application to ZnO spheres. <i>Journal of Solid State Chemistry</i> , 2013, 202, 291-299.	2.9	16
36	Polyamine Functionalized Magnetite Nanoparticles as Novel Adsorbents for Cu(II) Removal from Aqueous Solutions. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017, 27, 490-502.	3.7	16

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37	Ultrasound assisted preparation of calcium alginate beads to improve absorption of Pb ²⁺ from water. <i>Ultrasonics Sonochemistry</i> , 2020, 68, 105191.	8.2	16
38	Experimental and modeling of cadmium ions removal by chelating resins. <i>Journal of Molecular Liquids</i> , 2020, 307, 112973.	4.9	15
39	Cerium-Containing Mesoporous Bioactive Glasses (MBGs)-Derived Scaffolds with Drug Delivery Capability for Potential Tissue Engineering Applications. <i>Pharmaceutics</i> , 2022, 14, 1169.	4.5	15
40	Detailed characterization of functionalized magnetite and ascertained effects. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	14
41	Tubular and Spherical SiO ₂ Obtained by Sol Gel Method for Lipase Immobilization and Enzymatic Activity. <i>Molecules</i> , 2018, 23, 1362.	3.8	14
42	Novel hybrid materials based on heteroleptic Ru(III) complexes immobilized on SBA-15 mesoporous silica as highly potent antimicrobial and cytotoxic agents. <i>Applied Surface Science</i> , 2020, 520, 146379.	6.1	14
43	Thermal stability enhancement of mesoporous SBA-15 silica through nanoconfinement of ceria nanoparticles. <i>Microporous and Mesoporous Materials</i> , 2020, 306, 110484.	4.4	13
44	Chemically assembled light harvesting CuO/TiO ₂ heterostructures. <i>Chemical Engineering Journal</i> , 2015, 281, 303-311.	12.7	12
45	Silver nanoparticles embedded into silica functionalized with vitamins as biological active materials. <i>Ceramics International</i> , 2015, 41, 4460-4467.	4.8	12
46	Structural, morphological and magnetic investigations on cobalt ferrite nanoparticles obtained through green synthesis routes. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	12
47	Synthesis, Characterization and Cytotoxic Activity of Co(II), Ni(II), Cu(II), and Zn(II) Complexes with Nonsteroidal Antiinflammatory Drug Isoxicam as Ligand. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 580-591.	3.7	11
48	Complexation of β -cyclodextrin with dual molecular probes bearing fluorescent and paramagnetic moieties linked by short polyether chains. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 27839-27847.	2.8	10
49	Particularities of trichloroethylene photocatalytic degradation over crystalline RbLaTa ₂ O ₇ nanowire bundles grown by solid-state synthesis route. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102789.	6.7	10
50	Strategy for Modifying Layered Perovskites toward Efficient Solar Light-Driven Photocatalysts for Removal of Chlorinated Pollutants. <i>Catalysts</i> , 2020, 10, 637.	3.5	10
51	Magnetic Core-Shell Iron Oxides-Based Nanophotocatalysts and Nanoadsorbents for Multifunctional Thin Films. <i>Membranes</i> , 2022, 12, 466.	3.0	9
52	Chromium Substituted Cobalt Ferrites by Glycine-Nitrates Process. <i>Croatica Chemica Acta</i> , 2015, 88, 445-451.	0.4	8
53	Conductive diamond powder inclusion in drop-casted graphene for enhanced effectiveness as electrocatalyst substrate. <i>Chemical Engineering Journal</i> , 2020, 402, 126258.	12.7	8
54	Unraveling mechanistic aspects of the total oxidation of methane over Mn, Ni and Cu spinel cobaltites via in situ electrical conductivity measurements. <i>Applied Catalysis A: General</i> , 2021, 611, 117901.	4.3	8

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55	Mentha piperita-mediated synthesis of cobalt aluminate nanoparticles and their photocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 11220-11231.	2.2	8
56	Aqueous Dispersions of Silica Stabilized with Oleic Acid Obtained by Green Chemistry. <i>Nanomaterials</i> , 2016, 6, 9.	4.1	7
57	Exploring porous nanosilica-TEMPO as heterogeneous aerobic oxidation catalyst: the influence of supported gold clusters. <i>Journal of Porous Materials</i> , 2016, 23, 247-254.	2.6	7
58	Development of a new (bio)hybrid matrix based on <i>Althaea officinalis</i> and <i>Betonica officinalis</i> extracts loaded into mesoporous silica nanoparticles for bioactive compounds with therapeutic applications. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 51, 605-613.	3.0	7
59	Mechanism of polymer particles formation during the soap-free emulsion terpolymerization of styrene - acrylic acid - N-(isopropyl acrylamide) for photonic crystals fabrication. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 614, 126158.	4.7	7
60	Chemical Degradation of Methylene Blue Dye Using TiO ₂ /Au Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 1605.	4.1	7
61	Influence of Ce addition and Pt loading upon the catalytic properties of modified mesoporous PtTi-SBA-15 in total oxidation reactions. <i>Applied Catalysis A: General</i> , 2021, 619, 118123.	4.3	7
62	Temperature programmed reduction of a core-shell synthetic magnetite: Dependence on the heating rate of the reduction mechanism. <i>Thermochimica Acta</i> , 2022, 709, 179146.	2.7	7
63	Switching behavior of thermochromic copper and silver tetraiodomercurate embedded in silica hybrid materials. <i>Optical Materials</i> , 2013, 35, 2565-2572.	3.6	6
64	Antibacterial Activity Evaluation of Silver Nanoparticles Entrapped in Silica Matrix Functionalized with Antibiotics. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015, 25, 869-878.	3.7	6
65	Multifunctional Silver Nanoparticles-Decorated Silica Functionalized with Retinoic Acid with Anti-Proliferative and Antimicrobial Properties. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016, 26, 1043-1052.	3.7	6
66	Structural and optical properties of un-doped and doped Sr ₃ Al ₂ O ₆ obtained through the tartarate precursor method. <i>Ceramics International</i> , 2017, 43, 16668-16675.	4.8	6
67	Benzofurazan derivatives modified graphene oxide nanocomposite: Physico-chemical characterization and interaction with bacterial and tumoral cells. <i>Materials Science and Engineering C</i> , 2021, 123, 112028.	7.3	6
68	Facile synthesis of low toxicity iron oxide/TiO ₂ nanocomposites with hyperthermic and photo-oxidation properties. <i>Scientific Reports</i> , 2022, 12, 6887.	3.3	6
69	Structural, textural, surface chemistry and sensing properties of mesoporous Pr, Zn modified SnO ₂ - TiO ₂ powder composites. <i>Ceramics International</i> , 2016, 42, 14992-14998.	4.8	5
70	Emulsion polymerization using simple ATRP reaction in the presence of an oligo-initiator with a dual activity of emulsifier and initiator. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 555, 1-7.	4.7	5
71	CoFe _{2-x} CrxO ₄ ferrites: synthesis, characterization and their catalytic activity. <i>Chemical Papers</i> , 2018, 72, 3203-3213.	2.2	5
72	Facile Synthesis of Cobalt Ferrite (CoFe ₂ O ₄) Nanoparticles in the Presence of Sodium Bis (2-ethyl-hexyl) Sulfosuccinate and Their Application in Dyes Removal from Single and Binary Aqueous Solutions. <i>Nanomaterials</i> , 2021, 11, 3128.	4.1	5

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73	Photophysical properties of some fluorescent materials containing 3-methoxy-7H-benzo[de]anthracen-7-one embedded in sol-gel silica hybrids. <i>Optical Materials</i> , 2015, 45, 55-63.	3.6	4
74	Sol-gel synthesis of ZnO/Zn ₂ -xFexTiO ₄ powders: structural properties, electrical conductivity and dielectric behavior. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 86, 151-161.	2.4	4
75	Fluorescent coumarin-modified mesoporous SBA-15 nanocomposite: Physico-chemical characterization and interaction with prokaryotic and eukaryotic cells. <i>Microporous and Mesoporous Materials</i> , 2019, 288, 109583.	4.4	4
76	Novel Magnetic Nanocomposites Based on Carboxyl-Functionalized SBA-15 Silica for Effective Dye Adsorption from Aqueous Solutions. <i>Nanomaterials</i> , 2022, 12, 2247.	4.1	4
77	A mixed organic functionalized silica-graphene oxide as advanced material for pollutant removal. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	3
78	A novel composite based on pyrene thiazole grafted on graphene oxide: physico-chemical characterization and electrochemical investigations. <i>Materials Chemistry and Physics</i> , 2021, 262, 124315.	4.0	3
79	Regeneration of Calcium Alginate and Chitosan Coated Calcium Alginate Sorbents to be Reused for Lead (II) Removal from Aqueous Solutions. <i>Revista De Chimie (discontinued)</i> , 2017, 68, 1992-1996.	0.4	3
80	Tryptophan / Dextran70 Based - Fluorescent Silver Nanoparticles: Synthesis and Physicochemical Properties. <i>Journal of Fluorescence</i> , 2019, 29, 981-992.	2.5	2
81	Aminopropyl-silica functionalized with halogen-reactive compounds for antimicrobial applications. <i>Materials Chemistry and Physics</i> , 2020, 241, 122353.	4.0	2
82	Benign by design: porous spherical ZnO-alginate family via a dual-template synthesis. <i>Applied Surface Science</i> , 2022, 580, 152231.	6.1	2
83	Chemically Modified (Nano)Silica as Sensitive Material for Arginine and Lysine. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2011, 21, 492-497.	3.7	1
84	TiO ₂ -Ag Photocatalysts for Degradation of Dyes and Antibiotics from Aqueous Solution. <i>Proceedings (mdpi)</i> , 2020, 57, .	0.2	1
85	Hydroxyapatite Nanoparticles for Acidic Mine Waters Remediation. <i>Revista De Chimie (discontinued)</i> , 2019, 70, 3167-3175.	0.4	1
86	Fluorescent Flavin/PVP-Coated Silver Nanoparticles: Design and Biological Performance. <i>Journal of Fluorescence</i> , 2022, , 1.	2.5	1
87	Silver Azide Nanoparticles Embedded into Silica as Energetic Nano-materials. <i>Medziagotyra</i> , 2015, 21, .	0.2	0
88	Ecological formulation for improving resveratrol stability and release in aqueous environment. <i>Chemical Papers</i> , 2021, 75, 2033-2041.	2.2	0
89	X-ray scattering profiles: revealing the porosity gradient in porous silicon. <i>Journal of Applied Crystallography</i> , 2021, 54, 847-855.	4.5	0
90	SYNTHESIS, CHARACTERIZATION AND CYTOTOXICITY EVALUATION OF Ni(II), Cu(II) AND Zn(II) COMPLEXES WITH DEOXYCHOLATE LIGAND. <i>Farmacia</i> , 2021, 69, 446-460.	0.4	0