

Mãria Açaploviãovã;

List of Publications by Year in descending order

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394286

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1782
citing authors

#	ARTICLE	IF	CITATIONS
1	The real structure of $\mu\text{-Ga}_2\text{O}_3$ and its relation to $\hat{\Gamma}^2$ -phase. CrystEngComm, 2017, 19, 1509-1516.	1.3	227
2	Structural Incorporation of As^{5+} into Hematite. Environmental Science & Technology, 2013, 47, 9140-9147.	4.6	70
3	Formation of silica aggregates in sorghum root endodermis is predetermined by cell wall architecture and development. Annals of Botany, 2017, 120, 739-753.	1.4	63
4	Arsenic sulfide nanoparticles prepared by milling: properties, free-volume characterization, and anti-cancer effects. Journal of Materials Science, 2015, 50, 1973-1985.	1.7	50
5	Enhanced photocatalytic activity of hydrogenated and vanadium doped TiO_2 nanotube arrays grown by anodization of sputtered Ti layers. Applied Surface Science, 2018, 434, 1257-1265.	3.1	44
6	Covalent Diamond-Graphite Bonding: Mechanism of Catalytic Transformation. ACS Nano, 2019, 13, 4621-4630.	7.3	38
7	Ti^{3+} doped anodic single-wall TiO_2 nanotubes as highly efficient photocatalyst. Electrochimica Acta, 2020, 331, 135374.	2.6	38
8	The influence of molybdenum loading on activity of ZSM-5 zeolite in dehydroaromatization of methane. Microporous and Mesoporous Materials, 2015, 212, 146-155.	2.2	35
9	Electric-field-induced structuring and rheological properties of kaolinite and halloysite. Applied Clay Science, 2013, 77-78, 1-9.	2.6	34
10	CdS/ZnS nanocomposites: from mechanochemical synthesis to cytotoxicity issues. Materials Science and Engineering C, 2016, 58, 1016-1023.	3.8	34
11	Photocatalytic properties and selective antimicrobial activity of $\text{TiO}_2(\text{Eu})/\text{CuO}$ nanocomposite. Applied Surface Science, 2016, 371, 538-546.	3.1	31
12	Partial Dissolution of Glauconitic Samples: Implications for the Methodology of K-Ar and Rb-Sr Dating. Clays and Clay Minerals, 2009, 57, 531-554.	0.6	30
13	Analysis of magnetron sputtered boron oxide films. Thin Solid Films, 2007, 515, 8723-8727.	0.8	26
14	Iron oxides in human spleen. BioMetals, 2015, 28, 913-928.	1.8	26
15	Tuning the orientation of few-layer MoS_2 films using one-zone sulfurization. RSC Advances, 2019, 9, 29645-29651.	1.7	24
16	Catalytic graphitization of single-crystal diamond. Carbon, 2021, 185, 300-313.	5.4	24
17	Changes in microstructure of ledeburitic tool steel due to vacuum austenitizing and quenching, sub-zero treatments at $\sim 140^\circ\text{C}$ and tempering. Vacuum, 2019, 170, 108977.	1.6	21
18	Photoactivity of mechanochemically prepared nanoparticulate titanium dioxide investigated by EPR spectroscopy. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 206, 177-187.	2.0	20

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19	Influence of Grinding and Sonication on the Crystal Structure of Talc. <i>Clays and Clay Minerals</i> , 2015, 63, 311-327.	0.6	20
20	Characterization of clays from the CorumbataĂ-formation used as raw material for ceramic industry in the Santa Gertrudes district, SĂo Paulo, Brazil. <i>Applied Clay Science</i> , 2016, 132-133, 232-242.	2.6	19
21	Green synthesis of stable nanocolloids of monodisperse silver and gold nanoparticles using natural polyphenols from fruits of <i>Sambucus nigra</i> L.. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 4545-4558.	1.6	17
22	Mechanochemical-molten salt synthesis of Na ₂ Ti ₆ O ₁₃ nanobelts. <i>Materials Research Bulletin</i> , 2010, 45, 621-627.	2.7	16
23	Photocatalytic and photodisinfectant activity of sulfated and Eu doped anatase against clinically important microorganisms. <i>Ceramics International</i> , 2014, 40, 5745-5756.	2.3	16
24	Hydrogen production by photocatalytic ethanol reforming using Eu- and S-doped anatase. <i>Applied Surface Science</i> , 2014, 305, 665-669.	3.1	15
25	Structural, surface and magnetic properties of chalcogenide Co ₉ S ₈ nanoparticles prepared by mechanochemical synthesis. <i>Journal of Alloys and Compounds</i> , 2018, 745, 863-867.	2.8	15
26	Structural Evolution of Sputtered Indium Oxide Thin Films. <i>Journal of Electrical Engineering</i> , 2010, 61, 382-385.	0.4	14
27	Atomic-Resolution EDX, HAADF, and EELS Study of GaAs _{1-x} Bi _x Alloys. <i>Nanoscale Research Letters</i> , 2020, 15, 121.	3.1	14
28	ZnO nanoparticles as photodegradation agent controlled by morphology and boron doping. <i>Catalysis Science and Technology</i> , 2021, 11, 2167-2185.	2.1	13
29	The dual role of sulfur-containing amino acids in the synthesis of IVĂ-VI semiconductor nanocrystals: a mechanochemical approach. <i>Faraday Discussions</i> , 2014, 170, 169-179.	1.6	12
30	The Effect of Salivary Gland Extract of <i>Lucilia sericata</i> Maggots on Human Dermal Fibroblast Proliferation within Collagen/Hyaluronan Membrane In Vitro. <i>Advances in Skin and Wound Care</i> , 2015, 28, 221-226.	0.5	11
31	Heterotrophic Bacterial Leaching of Zinc and Arsenic from Artificial Adamite. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	11
32	Thermally induced structural evolution and age-hardening of polycrystalline V _{1-x} MoxN (xĂ%Ă0.4) thin films. <i>Surface and Coatings Technology</i> , 2021, 405, 126723.	2.2	11
33	Fe ₃ O ₄ -PEI Nanocomposites for Magnetic Harvesting of <i>Chlorella vulgaris</i> , <i>Chlorella ellipsoidea</i> , <i>Microcystis aeruginosa</i> , and <i>Auxenochlorella protothecoides</i> . <i>Nanomaterials</i> , 2022, 12, 1786.	1.9	11
34	GaAs _{1-x} Bi _x growth on Ge: anti-phase domains, ordering, and exciton localization. <i>Scientific Reports</i> , 2020, 10, 2002.	1.6	10
35	Nontronites as catalyst for synthesis of carbon nanotubes by catalytic chemical vapor deposition.. <i>Applied Clay Science</i> , 2015, 114, 170-178.	2.6	9
36	Mineralogy and Surface Chemistry of Alberta Oil Sands: Relevance to Nonaqueous Solvent Bitumen Extraction. <i>Energy & Fuels</i> , 2017, 31, 8910-8924.	2.5	9

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37	Effect of Sub-Zero Treatments and Tempering on Corrosion Behaviour of Vanadis 6 Tool Steel. <i>Materials</i> , 2021, 14, 3759.	1.3	9
38	Photo-catalytic inactivation of an <i>Enterococcus</i> biofilm: the anti-microbial effect of sulphated and europium-doped titanium dioxide nanopowders. <i>FEMS Microbiology Letters</i> , 2016, 363, fnw051.	0.7	8
39	Polarization dependent photoluminescence and optical anisotropy in CuPtB-ordered dilute GaAs $_{1-x}$ Bix alloys. <i>Journal of Applied Physics</i> , 2020, 128, 195106.	1.1	8
40	Mechanochemical synthesis of InAs nanocrystals. <i>Materials Letters</i> , 2015, 159, 474-477.	1.3	7
41	Formation of CuCrCoFeNiO high entropy alloy thin films by rapid thermal processing of Cu/CrNiO/FeCo multilayers. <i>Surface and Coatings Technology</i> , 2021, 405, 126563.	2.2	7
42	Ce ion surface-modified TiO ₂ aerogel powders: a comprehensive study of their excellent photocatalytic efficiency in organic pollutant removal. <i>New Journal of Chemistry</i> , 2021, 45, 4174-4184.	1.4	7
43	Potentialities of scanning electron microscopy and EDX analysis in bullet wounds. <i>Romanian Journal of Legal Medicine</i> , 2010, 18, 225-230.	0.3	7
44	Toward BaSi ₂ /Si Heterojunction Thin-Film Solar Cells: Insights into Heterointerface Investigation, Barium Depletion, and Silicide-Mediated Silicon Crystallization. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000887.	1.9	6
45	Ni-mediated reactions in nanocrystalline diamond on Si substrates: the role of the oxide barrier. <i>RSC Advances</i> , 2020, 10, 8224-8232.	1.7	6
46	Unexpected formation of Ag ₂ SO ₄ microparticles from Ag ₂ S nanoparticles synthesised using poplar leaf extract. <i>Environmental Chemistry Letters</i> , 2014, 12, 551-556.	8.3	5
47	XRD, SAXS, and PALS investigations of three different polymers reinforced with tetraoctylammonium exchanged montmorillonite. <i>International Journal of Polymer Analysis and Characterization</i> , 2016, 21, 524-536.	0.9	5
48	Nanoscale iron particles formed from the metalloprotein-like structures prepared using ferrous ions in the presence of sodium glutamate and bovine serum albumin. <i>Monatshefte für Chemie</i> , 2017, 148, 2019-2029.	0.9	5
49	Terahertz time domain detection of imidazolium ionic liquid reactivity in nanohybrid materials based on Kaolinite and Halloysite. <i>Applied Clay Science</i> , 2017, 135, 475-484.	2.6	5
50	Growth of carbon nanofibers and related structures by combined method of plasma enhanced chemical vapor deposition and aerosol synthesis. <i>Vacuum</i> , 2008, 82, 805-813.	1.6	4
51	Delimitation of European <i>Crepidotus</i> <i>âstenocystis</i> as different from the North American species <i>C. brunnescens</i> (Inocybaceae, Agaricales). <i>Phytotaxa</i> , 2017, 328, 127.	0.1	4
52	Structure of superconducting MgB ₂ thin films prepared by vacuum evaporation and ex-situ annealing in Ar and O ₂ atmospheres. <i>Applied Surface Science</i> , 2018, 461, 233-241.	3.1	4
53	Contribution of photocatalytic and Fenton-based processes in nanotwin structured anodic TiO ₂ nanotube layers modified by Ce and V. <i>Dalton Transactions</i> , 2022, 51, 10763-10772.	1.6	4
54	Degradation of Al ₄ C ₃ Due to Atmospheric Humidity. <i>Jom</i> , 2018, 70, 2378-2384.	0.9	3

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55	Dehydroaromatization of methane over Mo/ZSM-5 zeolites: influence of aluminum distribution in the crystals. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020, 131, 889-904.	0.8	3
56	Effect of Multiply Twinned Ag(0) Nanoparticles on Photocatalytic Properties of TiO ₂ Nanosheets and TiO ₂ Nanostructured Thin Films. <i>Nanomaterials</i> , 2022, 12, 750.	1.9	3
57	Carbon Nanostructures Grown on Fe-Cr-Al Alloy. <i>Journal of Electrical Engineering</i> , 2010, 61, 373-377.	0.4	2
58	Effect of Gallium and Boron doping on dielectric and conductivity properties of ZnO sintered from nanoparticles of different morphology in THz region. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 611, 125896.	2.3	0