

Ana Violeta Girão

List of Publications by Year in descending order

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44
papers

1,620
citations

331670

21
h-index

289244

40
g-index

45
all docs

45
docs citations

45
times ranked

2272
citing authors

#	ARTICLE	IF	CITATIONS
1	N-doped carbon quantum dots/TiO ₂ composite with improved photocatalytic activity. Applied Catalysis B: Environmental, 2016, 193, 67-74.	20.2	291
2	Identifying a quick and efficient method of removing organic matter without damaging microplastic samples. Science of the Total Environment, 2019, 686, 131-139.	8.0	182
3	Degradation of polyethylene microplastics in seawater: Insights into the environmental degradation of polymers. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2018, 53, 866-875.	1.7	148
4	Composition, morphology and nanostructure of Ca-Sr-H in 70% white Portland cement-30% fly ash blends hydrated at 55 °C. Cement and Concrete Research, 2010, 40, 1350-1359.	11.0	102
5	Unusual dye adsorption behavior of Î-carrageenan coated superparamagnetic nanoparticles. Chemical Engineering Journal, 2013, 229, 276-284.	12.7	65
6	Composition, morphology and nanostructure of Ca-Sr-H in white Portland cement pastes hydrated at 55 °C. Cement and Concrete Research, 2007, 37, 1571-1582.	11.0	58
7	IR and UV Laser-Induced Graphene: Application as Dopamine Electrochemical Sensors. Advanced Materials Technologies, 2021, 6, 2100007.	5.8	58
8	Behavior of colloidal gold nanoparticles in different ionic strength media. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	55
9	Hydration of water- and alkali-activated white Portland cement pastes and blends with low-calcium pulverized fuel ash. Cement and Concrete Research, 2016, 83, 1-18.	11.0	52
10	Application of Scanning Electron Microscopy-Energy Dispersive X-Ray Spectroscopy (SEM-EDS). Comprehensive Analytical Chemistry, 2017, , 153-168.	1.3	50
11	Microplastic pollution in the sediments of Sidi Mansour Harbor in Southeast Tunisia. Marine Pollution Bulletin, 2019, 146, 92-99.	5.0	48
12	Partial oxidation of methane over bimetallic copper-cerium oxide catalysts. Journal of Molecular Catalysis A, 2010, 320, 47-55.	4.8	45
13	Laser-Induced Graphene from Paper by Ultraviolet Irradiation: Humidity and Temperature Sensors. Advanced Materials Technologies, 2022, 7, .	5.8	39
14	Polymer based silver nanocomposites as versatile solid film and aqueous emulsion SERS substrates. Journal of Materials Chemistry, 2011, 21, 15629.	6.7	30
15	Synthesis of nanocrystalline ZnS using biologically generated sulfide. Hydrometallurgy, 2012, 117-118, 57-63.	4.3	29
16	Effects of virgin and weathered polystyrene and polypropylene microplastics on Raphidocelis subcapitata and embryos of Danio rerio under environmental concentrations. Science of the Total Environment, 2022, 816, 151642.	8.0	28
17	morphology and nanostructure Ca-Sr-H in white Portland cement-fly ash hydrated at 85 °C. Advances in Applied Ceramics, 2007, 106, 283-293.	1.1	27
18	Bio-based synthesis of oxidation resistant copper nanowires using an aqueous plant extract. Journal of Cleaner Production, 2019, 221, 122-131.	9.3	27

#	ARTICLE	IF	CITATIONS
19	Polysilsesquioxane-based silica aerogel monoliths with embedded CNTs. Microporous and Mesoporous Materials, 2019, 288, 109575.	4.4	26
20	Amine Modification of Silica Aerogels/Xerogels for Removal of Relevant Environmental Pollutants. Molecules, 2019, 24, 3701.	3.8	24
21	Tailoring gold and silver colloidal bimetallic nanoalloys towards SERS detection of rhodamine 6G. RSC Advances, 2017, 7, 15944-15951.	3.6	22
22	Shaping Gold Nanocomposites with Tunable Optical Properties. Langmuir, 2010, 26, 11407-11412.	3.5	21
23	Biological synthesis of nanosized sulfide semiconductors: current status and future prospects. Applied Microbiology and Biotechnology, 2016, 100, 8283-8302.	3.6	21
24	A straightforward method for microplastic extraction from organic-rich freshwater samples. Science of the Total Environment, 2022, 815, 152941.	8.0	21
25	Green synthesis of covellite nanocrystals using biologically generated sulfide: Potential for bioremediation systems. Journal of Environmental Management, 2013, 128, 226-232.	7.8	20
26	Facile Preparation of ZnO/CNTs Nanocomposites via ALD for Photocatalysis Applications. European Journal of Inorganic Chemistry, 2020, 2020, 1743-1750.	2.0	19
27	Influence of 1D and 2D carbon nanostructures in silica-based aerogels. Carbon, 2021, 180, 146-162.	10.3	19
28	Functionalized magnetite particles for adsorption of colloidal noble metal nanoparticles. Journal of Colloid and Interface Science, 2016, 475, 96-103.	9.4	13
29	Electron Doping of Ca ₄ Mn ₃ O ₁₀ Induced by Vanadium Substitution. Chemistry of Materials, 2005, 17, 4852-4857.	6.7	11
30	Role of high microwave power on growth and microstructure of thick nanocrystalline diamond films: A comparison with large grain polycrystalline diamond films. Journal of Crystal Growth, 2014, 389, 83-91.	1.5	11
31	Multiple Emulsion Templating of Hybrid Ag/SiO ₂ Capsules for Antibacterial Applications. Particle and Particle Systems Characterization, 2015, 32, 561-566.	2.3	10
32	Trends in Cr ³⁺ red emissions from ZnGa ₂ O ₄ nanostructures produced by pulsed laser ablation in a liquid medium. Journal of Physics and Chemistry of Solids, 2019, 129, 413-423.	4.0	10
33	Advances in RF Glow Discharge Optical Emission Spectrometry Characterization of Intrinsic and Boron-Doped Diamond Coatings. ACS Applied Materials & Interfaces, 2022, 14, 7405-7416.	8.0	10
34	Biotechnologically obtained nanocomposites: A practical application for photodegradation of Safranin-T under UV-Vis and solar light. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2015, 50, 996-1010.	1.7	8
35	Influence of external loading on the resonant frequency shift of ultrasonic assisted turning: numerical and experimental analysis. International Journal of Advanced Manufacturing Technology, 2019, 101, 2487-2496.	3.0	5
36	Tough negative temperature coefficient diamond thermistors comprising tungsten carbide ohmic contacts. Diamond and Related Materials, 2020, 109, 108036.	3.9	3

#	ARTICLE	IF	CITATIONS
37	Optical Studies in Red/NIR Persistent Luminescent Cr-Doped Zinc Gallogermanate (ZGGO:Cr). Applied Sciences (Switzerland), 2022, 12, 2104.	2.5	3
38	Effect of V substitution in Ca ₄ Mn ₃ O ₁₀ . Journal of Magnetism and Magnetic Materials, 2004, 272-276, E315-E316.	2.3	2
39	Effect of chromium substitution in Ca ₄ Mn ₃ O ₁₀ . Journal of Physics and Chemistry of Solids, 2004, 65, 1823-1829.	4.0	2
40	SEM/EDS and Optical Microscopy Analysis of Microplastics. , 2020, , 1-22.		2
41	SEM/EDS and Optical Microscopy Analysis of Microplastics. , 2022, , 57-78.		2
42	Noble Metal Nanocrystals at the Surface of Nitride Semiconductors: Synthesis, Deposition and Surface Characterization. Journal of Nanoscience and Nanotechnology, 2010, 10, 2574-2577.	0.9	1
43	Electron Doping of Ca ₄ Mn ₃ O ₁₀ Induced by Vanadium Substitution.. ChemInform, 2005, 36, no.	0.0	0
44	Diamond-Based Nanostructured Materials for Detection of Water Contaminants. Engineering Materials, 2019, , 147-174.	0.6	0