

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	Effects of virgin and weathered polystyrene and polypropylene microplastics on <i>Raphidocelis subcapitata</i> and embryos of <i>Danio rerio</i> under environmental concentrations. <i>Science of the Total Environment</i> , 2022, 816, 151642.	8.0	28
2	Laser-Induced Graphene from Paper by Ultraviolet Irradiation: Humidity and Temperature Sensors. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	39
3	Advances in RF Glow Discharge Optical Emission Spectrometry Characterization of Intrinsic and Boron-Doped Diamond Coatings. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 7405-7416.	8.0	10
4	A straightforward method for microplastic extraction from organic-rich freshwater samples. <i>Science of the Total Environment</i> , 2022, 815, 152941.	8.0	21
5	SEM/EDS and Optical Microscopy Analysis of Microplastics. , 2022, , 57-78.		2
6	Optical Studies in Red/NIR Persistent Luminescent Cr-Doped Zinc Gallogermanate (ZGGO:Cr). <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2104.	2.5	3
7	IR and UV Laser-Induced Graphene: Application as Dopamine Electrochemical Sensors. <i>Advanced Materials Technologies</i> , 2021, 6, 2100007.	5.8	58
8	Influence of 1D and 2D carbon nanostructures in silica-based aerogels. <i>Carbon</i> , 2021, 180, 146-162.	10.3	19
9	SEM/EDS and Optical Microscopy Analysis of Microplastics. , 2020, , 1-22.		2
10	Facile Preparation of ZnO/CNTs Nanocomposites via ALD for Photocatalysis Applications. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1743-1750.	2.0	19
11	Tough negative temperature coefficient diamond thermistors comprising tungsten carbide ohmic contacts. <i>Diamond and Related Materials</i> , 2020, 109, 108036.	3.9	3
12	Amine Modification of Silica Aerogels/Xerogels for Removal of Relevant Environmental Pollutants. <i>Molecules</i> , 2019, 24, 3701.	3.8	24
13	Trends in Cr ³⁺ red emissions from ZnGa ₂ O ₄ nanostructures produced by pulsed laser ablation in a liquid medium. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 129, 413-423.	4.0	10
14	Polysilsesquioxane-based silica aerogel monoliths with embedded CNTs. <i>Microporous and Mesoporous Materials</i> , 2019, 288, 109575.	4.4	26
15	Identifying a quick and efficient method of removing organic matter without damaging microplastic samples. <i>Science of the Total Environment</i> , 2019, 686, 131-139.	8.0	182
16	Microplastic pollution in the sediments of Sidi Mansour Harbor in Southeast Tunisia. <i>Marine Pollution Bulletin</i> , 2019, 146, 92-99.	5.0	48
17	Bio-based synthesis of oxidation resistant copper nanowires using an aqueous plant extract. <i>Journal of Cleaner Production</i> , 2019, 221, 122-131.	9.3	27
18	Influence of external loading on the resonant frequency shift of ultrasonic assisted turning: numerical and experimental analysis. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 101, 2487-2496.	3.0	5

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19	Diamond-Based Nanostructured Materials for Detection of Water Contaminants. <i>Engineering Materials</i> , 2019, , 147-174.	0.6	0
20	Degradation of polyethylene microplastics in seawater: Insights into the environmental degradation of polymers. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2018, 53, 866-875.	1.7	148
21	Application of Scanning Electron Microscopy and Energy Dispersive X-Ray Spectroscopy (SEM-EDS). <i>Comprehensive Analytical Chemistry</i> , 2017, , 153-168.	1.3	50
22	Tailoring gold and silver colloidal bimetallic nanoalloys towards SERS detection of rhodamine 6G. <i>RSC Advances</i> , 2017, 7, 15944-15951.	3.6	22
23	N-doped carbon quantum dots/TiO ₂ composite with improved photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2016, 193, 67-74.	20.2	291
24	Functionalized magnetite particles for adsorption of colloidal noble metal nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2016, 475, 96-103.	9.4	13
25	Biological synthesis of nanosized sulfide semiconductors: current status and future prospects. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 8283-8302.	3.6	21
26	Hydration of water- and alkali-activated white Portland cement pastes and blends with low-calcium pulverized fuel ash. <i>Cement and Concrete Research</i> , 2016, 83, 1-18.	11.0	52
27	Behavior of colloidal gold nanoparticles in different ionic strength media. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	55
28	Biotechnologically obtained nanocomposites: A practical application for photodegradation of Safranin-T under UV-Vis and solar light. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2015, 50, 996-1010.	1.7	8
29	Multiple Emulsion Templating of Hybrid Ag/SiO ₂ Capsules for Antibacterial Applications. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 561-566.	2.3	10
30	Role of high microwave power on growth and microstructure of thick nanocrystalline diamond films: A comparison with large grain polycrystalline diamond films. <i>Journal of Crystal Growth</i> , 2014, 389, 83-91.	1.5	11
31	Green synthesis of covellite nanocrystals using biologically generated sulfide: Potential for bioremediation systems. <i>Journal of Environmental Management</i> , 2013, 128, 226-232.	7.8	20
32	Unusual dye adsorption behavior of κ -carrageenan coated superparamagnetic nanoparticles. <i>Chemical Engineering Journal</i> , 2013, 229, 276-284.	12.7	65
33	Synthesis of nanocrystalline ZnS using biologically generated sulfide. <i>Hydrometallurgy</i> , 2012, 117-118, 57-63.	4.3	29
34	Polymer based silver nanocomposites as versatile solid film and aqueous emulsion SERS substrates. <i>Journal of Materials Chemistry</i> , 2011, 21, 15629.	6.7	30
35	Partial oxidation of methane over bimetallic copper-cerium oxide catalysts. <i>Journal of Molecular Catalysis A</i> , 2010, 320, 47-55.	4.8	45
36	Composition, morphology and nanostructure of C-S-H in 70% white Portland cement-30% fly ash blends hydrated at 55 °C. <i>Cement and Concrete Research</i> , 2010, 40, 1350-1359.	11.0	102

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37	Noble Metal Nanocrystals at the Surface of Nitride Semiconductors: Synthesis, Deposition and Surface Characterization. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 2574-2577.	0.9	1
38	Shaping Gold Nanocomposites with Tunable Optical Properties. <i>Langmuir</i> , 2010, 26, 11407-11412.	3.5	21
39	morphology and nanostructure of Ca^{2+} in white Portland cement-fly ash hydrated at 85°C . <i>Advances in Applied Ceramics</i> , 2007, 106, 283-293.	1.1	27
40	Composition, morphology and nanostructure of Ca^{2+} in white Portland cement pastes hydrated at 55°C . <i>Cement and Concrete Research</i> , 2007, 37, 1571-1582.	11.0	58
41	Electron Doping of $\text{Ca}_4\text{Mn}_3\text{O}_{10}$ Induced by Vanadium Substitution.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
42	Electron Doping of $\text{Ca}_4\text{Mn}_3\text{O}_{10}$ Induced by Vanadium Substitution. <i>Chemistry of Materials</i> , 2005, 17, 4852-4857.	6.7	11
43	Effect of V substitution in $\text{Ca}_4\text{Mn}_3\text{O}_{10}$. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, E315-E316.	2.3	2
44	Effect of chromium substitution in $\text{Ca}_4\text{Mn}_3\text{O}_{10}$. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 1823-1829.	4.0	2