

Alexandra Guedes

List of Publications by Year in descending order

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78
papers

2,153
citations

279798

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78
all docs

78
docs citations

78
times ranked

3234
citing authors

#	ARTICLE	IF	CITATIONS
1	Superparamagnetic MFe_2O_4 (M = Fe, Co, Mn) Nanoparticles: Tuning the Particle Size and Magnetic Properties through a Novel One-Step Coprecipitation Route. <i>Chemistry of Materials</i> , 2012, 24, 1496-1504.	6.7	446
2	Progress in the Raman spectra analysis of covalently functionalized multiwalled carbon nanotubes: unraveling disorder in graphitic materials. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12784-12796.	2.8	232
3	Micro-Raman spectroscopy of collotelinite, fusinite and macrinite. <i>International Journal of Coal Geology</i> , 2010, 83, 415-422.	5.0	139
4	Correlation between optical, chemical and micro-structural parameters of high-rank coals and graphite. <i>International Journal of Coal Geology</i> , 2009, 77, 377-382.	5.0	122
5	Multianalytical approaches to the characterisation of minerals associated with coals and the diagnosis of their potential risk by using combined instrumental microspectroscopic techniques and thermodynamic speciation. <i>Fuel</i> , 2012, 94, 52-63.	6.4	81
6	Raman spectroscopy of coal macerals and fluidized bed char morphotypes. <i>Fuel</i> , 2012, 97, 443-449.	6.4	80
7	Characterization of fly ash from a power plant and surroundings by micro-Raman spectroscopy. <i>International Journal of Coal Geology</i> , 2008, 73, 359-370.	5.0	56
8	Tailored design of $Co_xMn_{1-x}Fe_2O_4$ nanoferrites: a new route for dual control of size and magnetic properties. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5818-5828.	5.5	52
9	Assessment of thermal evolution of Paleozoic successions of the Holy Cross Mountains (Poland). <i>Marine and Petroleum Geology</i> , 2017, 80, 112-132.	3.3	47
10	A three stage fluid flow model for Variscan gold metallogensis in northern Portugal. <i>Journal of Geochemical Exploration</i> , 2000, 71, 209-224.	3.2	36
11	Nitrogen functionality in oil window rank range vitrinite rich coals and chars. <i>Organic Geochemistry</i> , 2011, 42, 502-509.	1.8	36
12	Characterisation of dispersed organic matter from lower Palaeozoic metasedimentary rocks by organic petrography, X-ray diffraction and micro-Raman spectroscopy analyses. <i>International Journal of Coal Geology</i> , 2005, 62, 237-249.	5.0	33
13	Heteroatom-Doped Carbon Nanomaterials as Metal-Free Catalysts for the Reduction of 4-Nitrophenol. <i>ChemistrySelect</i> , 2018, 3, 1737-1748.	1.5	31
14	Characteristics of ferrospheres in fly ashes derived from Bokaro and Jharia (Jharkand, India) coals. <i>International Journal of Coal Geology</i> , 2016, 153, 52-74.	5.0	30
15	Comparison between urban and rural pollen of <i>Chenopodium alba</i> and characterization of adhered pollutant aerosol particles. <i>Journal of Aerosol Science</i> , 2009, 40, 81-86.	3.8	29
16	Pollen Raman spectra database: Application to the identification of airborne pollen. <i>Talanta</i> , 2014, 119, 473-478.	5.5	28
17	Gold nanoparticles decorated on Bingel-thiol functionalized multiwall carbon nanotubes as an efficient and robust catalyst. <i>Applied Catalysis A: General</i> , 2014, 486, 150-158.	4.3	27
18	Characterization of soils from the Algarve region (Portugal): A multidisciplinary approach for forensic applications. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2011, 51, 77-82.	2.1	26

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19	Electrochemical genoassays on gold-coated magnetic nanoparticles to quantify genetically modified organisms (GMOs) in food and feed as GMO percentage. <i>Biosensors and Bioelectronics</i> , 2018, 110, 147-154.	10.1	26
20	Characterization of superhigh-organic-sulfur RaÅ;a coal, Istria, Croatia, and its environmental implication. <i>International Journal of Coal Geology</i> , 2020, 217, 103344.	5.0	26
21	Case study of igneous intrusion effects on coal nitrogen functionalities. <i>International Journal of Coal Geology</i> , 2011, 86, 291-294.	5.0	25
22	Photochromic polypropylene fibers based on UV-responsive silica@phosphomolybdate nanoparticles through melt spinning technology. <i>Chemical Engineering Journal</i> , 2018, 350, 856-866.	12.7	24
23	Quantitative colour analysis of beach and dune sediments for forensic applications: A Portuguese example. <i>Forensic Science International</i> , 2009, 190, 42-51.	2.2	23
24	Characterization of bottom ash of Pliocene lignite as ceramic composites raw material by petrographic, SEM/EDS and Raman microspectroscopical methods. <i>International Journal of Coal Geology</i> , 2016, 168, 131-145.	5.0	23
25	Assessment of bottom ash landfilled at Ceplea Valley (Romania) as a source of rare earth elements. <i>International Journal of Coal Geology</i> , 2019, 201, 109-126.	5.0	23
26	Recycling old screen-printed electrodes with newly designed plastic antibodies on the wall of carbon nanotubes as sensory element for in situ detection of bacterial toxins in water. <i>Sensors and Actuators B: Chemical</i> , 2013, 189, 21-29.	7.8	22
27	Poultry litter ash characterisation and recovery. <i>Waste Management</i> , 2020, 111, 10-21.	7.4	22
28	Raman Microspectroscopy of Genuine and Fake Euro Banknotes. <i>Spectroscopy Letters</i> , 2013, 46, 569-576.	1.0	21
29	The Au-bearing vein system of the Limarinho deposit (northern Portugal): Genetic constraints from Bi-chalcogenides and Bi-Pb-Ag sulfosalts, fluid inclusions and stable isotopes. <i>Ore Geology Reviews</i> , 2016, 72, 213-231.	2.7	21
30	Undifferentiated Inorganics in Coal Fly Ash and Bottom Ash: Calcispheres, Magnesiocalcispheres, and Magnesiaspheres. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 140.	2.0	21
31	Fabrication of all-solid-state textile supercapacitors based on industrial-grade multi-walled carbon nanotubes for enhanced energy storage. <i>Journal of Materials Science</i> , 2020, 55, 10121-10141.	3.7	20
32	Notes on the occurrence of phosphate mineral relics and spheres (phosphospheres) in coal and biomass fly ash. <i>International Journal of Coal Geology</i> , 2016, 154-155, 43-56.	5.0	18
33	Relationships between the optical properties of coal macerals and the chars resulting from fluidized bed pyrolysis. <i>International Journal of Coal Geology</i> , 2013, 111, 80-89.	5.0	17
34	Quantitative Determination of Gaseous Phase Compositions in Fluid Inclusions by Raman Microspectrometry. <i>Spectroscopy Letters</i> , 2012, 45, 156-160.	1.0	16
35	Assessment of Graphitized Coal Ash Char Concentrates as a Potential Synthetic Graphite Source. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 986.	2.0	16
36	Lanthano phosphomolybdate-decorated silica nanoparticles: novel hybrid materials with photochromic properties. <i>Dalton Transactions</i> , 2015, 44, 4582-4593.	3.3	15

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37	Multi-technique study of fly ash from the Bokaro and Jharia coalfields (Jharkhand state, India): A contribution to its use as a geoliner. <i>International Journal of Coal Geology</i> , 2015, 152, 25-38.	5.0	15
38	SCANNING ELECTRON MICROSCOPY AND ENERGY-DISPERSIVE X-RAY SPECTROSCOPY OF LOW-SULFUR COAL FLY ASH. <i>International Journal of Energy for A Clean Environment</i> , 2009, 10, 147-166.	1.1	15
39	Notes on the origin of copromacrinite based on nitrogen functionalities and $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ determined on samples from the Peach Orchard coal bed, southern Magoffin County, Kentucky. <i>International Journal of Coal Geology</i> , 2016, 160-161, 63-72.	5.0	13
40	P-T-Fluid evolution and graphite deposition during retrograde metamorphism in Ribeira Fold Belt, SE Brazil: Oxygen fugacity, fluid inclusions and $\delta^{18}\text{O}$ - $\delta^2\text{H}$ isotopic evidence. <i>Journal of South American Earth Sciences</i> , 2011, 31, 93-109.	1.4	12
41	Evolution of fluids associated with metasedimentary sequences from Chaves (North Portugal). <i>Chemical Geology</i> , 2002, 190, 273-289.	3.3	11
42	Organic matter characterization of sediments in two river beaches from northern Portugal for forensic application. <i>Forensic Science International</i> , 2013, 233, 403-415.	2.2	11
43	Contrasts in maceral textures in progressive metamorphism versus near-surface hydrothermal metamorphism. <i>International Journal of Coal Geology</i> , 2021, 246, 103840.	5.0	10
44	Vermicular kaolinite relics in fly ash derived from Bokaro and Jharia coals (Jharkhand, India). <i>International Journal of Coal Geology</i> , 2016, 162, 151-157.	5.0	9
45	The Alvarrãques-Gonãlalo Li project: an example of sustainable lithium mining. <i>Advances in Geosciences</i> , 0, 45, 1-5.	12.0	9
46	High incidence of otolith abnormality in juvenile European flounder <i>Platichthys flesus</i> from a tidal freshwater area. <i>Marine Biology Research</i> , 2017, 13, 933-941.	0.7	8
47	Selectively oxidized carbon nanocatalysts for the oxidation of <i>cis</i> -cyclooctene. <i>New Journal of Chemistry</i> , 2018, 42, 2306-2319.	2.8	8
48	The Strong and the Stronger: The Effects of Increasing Ozone and Nitrogen Dioxide Concentrations in Pollen of Different Forest Species. <i>Forests</i> , 2021, 12, 88.	2.1	8
49	Notes on the origin of altered macerals in the Ragged Edge of the Pennsylvanian (Asturian) Herrin coalbed, Western Kentucky. <i>International Journal of Coal Geology</i> , 2013, 115, 24-40.	5.0	7
50	Geochemical analysis of sediment samples for forensic purposes: characterisation of two river beaches from the Douro River, Portugal. <i>Australian Journal of Forensic Sciences</i> , 2020, 52, 222-234.	1.2	7
51	Considerations on high-throughput cocrystals screening by ultrasound assisted cocrystallization and vibrational spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 229, 117876.	3.9	7
52	Backtracking to Parent Maceral from Produced Bitumen with Raman Spectroscopy. <i>Minerals (Basel)</i> , 2020, 10, 7.	2.0	7
53	Integrative Study Assessing Space and Time Variations with Emphasis on Rare Earth Element (REE) Distribution and Their Potential on Ashes from Commercial (Colombian) Coal. <i>Minerals (Basel)</i> , 2021, 11, 7843.	1.4	7
54	Incineration of Aviary Manure: The Case Studies of Poultry Litter and Laying Hens Manure. <i>Waste and Biomass Valorization</i> , 2022, 13, 3335-3357.	3.4	7

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55	Study of a tabernacle with a remarkable architectural structure: In situ examination using Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 1156-1162.	2.5	6
56	Organic geochemistry of funginite (Miocene, Eel River, Mendocino County, California, USA) and macrinite (Cretaceous, Inner Mongolia, China). <i>International Journal of Coal Geology</i> , 2017, 179, 60-71.	5.0	6
57	Tungsten mineralization associated with the Argemela microgranite (Central Portugal). <i>Journal of Iberian Geology</i> , 2019, 45, 625-640.	1.3	6
58	Hydrothermal Carbon/Carbon Nanotube Composites as Electrocatalysts for the Oxygen Reduction Reaction. <i>Journal of Composites Science</i> , 2020, 4, 20.	3.0	6
59	Coal bottom ash processing for capitalization according to circular economy concept. <i>Minerals Engineering</i> , 2021, 170, 107055.	4.3	6
60	Graphene@Metal Sulfide/Oxide Nanocomposites as Novel Photo-Fenton-Like Catalysts for 4-Nitrophenol Degradation. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 4915-4928.	2.0	6
61	Coal chars recovered from fly ash as promising electrocatalysts for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 34679-34688.	7.1	5
62	Geological and palynological characterization of a river beach in Portugal for forensic purposes. <i>Geological Society Special Publication</i> , 2013, 384, 87-95.	1.3	4
63	Notes on the occurrence of char plerospheres in fly ashes derived from Bokaro and Jharia coals (Jharkhand, India) and the influence of the combustion conditions on their genesis. <i>International Journal of Coal Geology</i> , 2016, 158, 29-43.	5.0	4
64	A Predictive Model for Maceral Discrimination by Means of Raman Spectra on Dispersed Organic Matter: A Case Study from the Carpathian Fold-and-Thrust Belt (Ukraine). <i>Geosciences (Switzerland)</i> , 2021, 11, 213.	2.2	4
65	The potential application of magnetic susceptibility as a technique for soil forensic examinations. <i>Geological Society Special Publication</i> , 2013, 384, 65-73.	1.3	3
66	Could hot fluids be the cause of natural pyrolysis at the ragged edge of Herrin coal, Millport 7 1/2 quadrangle, Hopkins County, Kentucky?. <i>International Journal of Coal Geology</i> , 2020, 231, 103603.	5.0	3
67	Testing the Raman parameters of pollen spectra in automatic identification. <i>Aerobiologia</i> , 2021, 37, 15-28.	1.7	3
68	Application of Fe-rich coal fly ashes to enhanced reduction of 4-nitrophenol. , 2022, 2, 100019.		3
69	Coal Rank Increase and Aerial Oxidation by a Combination of Fourier Transform Infrared Spectroscopy with Multivariate Analysis. <i>Spectroscopy Letters</i> , 2013, 46, 277-285.	1.0	2
70	Integration of different sediment characteristics to discriminate between sources of coastal sediments. <i>Geological Society Special Publication</i> , 2013, 384, 97-108.	1.3	1
71	Reply to Narkiewicz (2017) comment on "Thermal evolution of Paleozoic successions of the Holy Cross Mountains (Poland)": <i>Marine and Petroleum Geology</i> , 2017, 88, 1114-1122.	3.3	1
72	Editorial for Special Issue "Minerals and Elements from Fly Ash and Bottom Ash as a Source of Secondary Raw Materials": <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 438.	2.0	1

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73	Scarlet fever in an adult patient: A challenging diagnosis in an airway emergency. SAGE Open Medical Case Reports, 2021, 9, 2050313X2110499.	0.3	1
74	Raman microspectroscopy applied to flint provenance at the chalcolithic settlement of Zambujal (Torres Vedras, Portugal). Archaeometry, 2022, 64, 1289-1306.	1.3	1
75	Identification and Characterization of Ti-Spheres (Titanspheres) in Cork Powder Fly Ash. Waste and Biomass Valorization, 2020, 11, 2905-2923.	3.4	0
76	Petrographic and micro-Raman spectroscopy study of inertinite discrete structureless bodies, fusinite, secretinite, and "ovoid" bodies infilling fusinite. International Journal of Coal Geology, 2020, 221, 103444.	5.0	0
77	Characterization, Concentration of Biochar and Titanspheres and Heavy Metals Assessment of Quercus Suber Cork Powder Fly Ash Fractions. Journal of Solid Waste Technology and Management, 2021, 47, 605-618.	0.2	0
78	Assessment of coal fly ash char as a substituting material of graphite with electrocatalytic activity for the oxygen reduction reaction. Sustainable Chemistry and Pharmacy, 2022, 27, 100705.	3.3	0