

Alexandra Guedes

List of Publications by Year in descending order

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78
papers

2,153
citations

279798

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233421

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78
all docs

78
docs citations

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times ranked

3234
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrative Study Assessing Space and Time Variations with Emphasis on Rare Earth Element (REE) Distribution and Their Potential on Ashes from Commercial (Colombian) Coal. Minerals (Basel), Tj ETQq1 1 0.7843140gBT /Overlock 10	1.0	10
2	Incineration of Aviary Manure: The Case Studies of Poultry Litter and Laying Hens Manure. Waste and Biomass Valorization, 2022, 13, 3335-3357.	3.4	7
3	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
4	Application of Fe-rich coal fly ashes to enhanced reduction of 4-nitrophenol. , 2022, 2, 100019.		3
5	Raman microspectroscopy applied to flint provenance at the chalcolithic settlement of Zambujal (Torres Vedras, Portugal). Archaeometry, 2022, 64, 1289-1306.	1.3	1
6	Testing the Raman parameters of pollen spectra in automatic identification. Aerobiologia, 2021, 37, 15-28.	1.7	3
7	The Strong and the Stronger: The Effects of Increasing Ozone and Nitrogen Dioxide Concentrations in Pollen of Different Forest Species. Forests, 2021, 12, 88.	2.1	8
8	Editorial for Special Issue "Minerals and Elements from Fly Ash and Bottom Ash as a Source of Secondary Raw Materials" Minerals (Basel, Switzerland), 2021, 11, 438.	2.0	1
9	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). Geosciences (Switzerland), 2021, 11, 213.	2.2	4
10	Coal bottom ash processing for capitalization according to circular economy concept. Minerals Engineering, 2021, 170, 107055.	4.3	6
11	Contrasts in maceral textures in progressive metamorphism versus near-surface hydrothermal metamorphism. International Journal of Coal Geology, 2021, 246, 103840.	5.0	10
12	Coal chars recovered from fly ash as promising electrocatalysts for oxygen reduction reaction. International Journal of Hydrogen Energy, 2021, 46, 34679-34688.	7.1	5
13	Scarlet fever in an adult patient: A challenging diagnosis in an airway emergency. SAGE Open Medical Case Reports, 2021, 9, 2050313X2110499.	0.3	1
14	Graphene@Metal Sulfide/Oxide Nanocomposites as Novel Photo-Fenton-Like Catalysts for 4-Nitrophenol Degradation. European Journal of Inorganic Chemistry, 2021, 2021, 4915-4928.	2.0	6
15	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
16	Geochemical analysis of sediment samples for forensic purposes: characterisation of two river beaches from the Douro River, Portugal. Australian Journal of Forensic Sciences, 2020, 52, 222-234.	1.2	7
17	Identification and Characterization of Ti-Spheres (Titanspheres) in Cork Powder Fly Ash. Waste and Biomass Valorization, 2020, 11, 2905-2923.	3.4	0
18	Characterization of superhigh-organic-sulfur RaÅja coal, Istria, Croatia, and its environmental implication. International Journal of Coal Geology, 2020, 217, 103344.	5.0	26

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19	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
20	Assessment of Graphitized Coal Ash Char Concentrates as a Potential Synthetic Graphite Source. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 986.	2.0	16
21	Could hot fluids be the cause of natural pyrolysis at the ragged edge of Herrin coal, Millport 7 $\frac{1}{2}$ â€™ quadrangle, Hopkins County, Kentucky?. <i>International Journal of Coal Geology</i> , 2020, 231, 103603.	5.0	3
22	Backtracking to Parent Maceral from Produced Bitumen with Raman Spectroscopy. <i>Minerals (Basel)</i> , 2020, 10, 986.	2.0	7
23	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
24	Poultry litter ash characterisation and recovery. <i>Waste Management</i> , 2020, 111, 10-21.	7.4	22
25	Hydrothermal Carbon/Carbon Nanotube Composites as Electrocatalysts for the Oxygen Reduction Reaction. <i>Journal of Composites Science</i> , 2020, 4, 20.	3.0	6
26	Petrographic and micro-Raman spectroscopy study of inertinite discrete structureless bodies, fusinite, secretinite, and "ovoid" bodies infilling fusinite. <i>International Journal of Coal Geology</i> , 2020, 221, 103444.	5.0	0
27	Tungsten mineralization associated with the Argemela microgranite (Central Portugal). <i>Journal of Iberian Geology</i> , 2019, 45, 625-640.	1.3	6
28	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
29	Heteroatom-Doped Carbon Nanomaterials as Metal-Free Catalysts for the Reduction of 4-Nitrophenol. <i>ChemistrySelect</i> , 2018, 3, 1737-1748.	1.5	31
30	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
31	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
32	Undifferentiated Inorganics in Coal Fly Ash and Bottom Ash: Calcispheres, Magnesiocalcispheres, and Magnesiaspheres. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 140.	2.0	21
33	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
34	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
35	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
36	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

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37	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
38	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
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	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
41	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
42	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
43	Characteristics of ferrospheres in fly ashes derived from Bokaro and Jharia (Jharkhand, India) coals. <i>International Journal of Coal Geology</i> , 2016, 153, 52-74.	5.0	30
44	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
45	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
46	Lanthano phosphomolybdate-decorated silica nanoparticles: novel hybrid materials with photochromic properties. <i>Dalton Transactions</i> , 2015, 44, 4582-4593.	3.3	15
47	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
48	Pollen Raman spectra database: Application to the identification of airborne pollen. <i>Talanta</i> , 2014, 119, 473-478.	5.5	28
49	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
50	Tailored design of $\text{Co}_x\text{Mn}_{1-x}\text{Fe}_2\text{O}_4$ 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
51	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
52	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
53	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
54	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

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55	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
56	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
57	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
58	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
59	Raman Microspectroscopy of Genuine and Fake Euro Banknotes. <i>Spectroscopy Letters</i> , 2013, 46, 569-576.	1.0	21
60	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
61	Quantitative Determination of Gaseous Phase Compositions in Fluid Inclusions by Raman Microspectrometry. <i>Spectroscopy Letters</i> , 2012, 45, 156-160.	1.0	16
62	Superparamagnetic MFe ₂ O 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
63	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
64	Raman spectroscopy of coal macerals and fluidized bed char morphotypes. <i>Fuel</i> , 2012, 97, 443-449.	6.4	80
65	P-T-Fluid evolution and graphite deposition during retrograde metamorphism in Ribeira Fold Belt, SE Brazil: Oxygen fugacity, fluid inclusions and O-H isotopic evidence. <i>Journal of South American Earth Sciences</i> , 2011, 31, 93-109.	1.4	12
66	Nitrogen functionality in low-rank vitrinite rich coals and chars. <i>Organic Geochemistry</i> , 2011, 42, 502-509.	1.8	36
67	Case study of igneous intrusion effects on coal nitrogen functionalities. <i>International Journal of Coal Geology</i> , 2011, 86, 291-294.	5.0	25
68	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
69	Micro-Raman spectroscopy of collotelinite, fusinite and macrinite. <i>International Journal of Coal Geology</i> , 2010, 83, 415-422.	5.0	139
70	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
71	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
72	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

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73	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
74	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
75	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
76	Evolution of fluids associated with metasedimentary sequences from Chaves (North Portugal). <i>Chemical Geology</i> , 2002, 190, 273-289.	3.3	11
77	A three stage fluid flow model for Variscan gold metallogenesis in northern Portugal. <i>Journal of Geochemical Exploration</i> , 2000, 71, 209-224.	3.2	36
78	The Alvarrões-Gonçalo Li project: an example of sustainable lithium mining. <i>Advances in Geosciences</i> , 0, 45, 1-5.	12.0	9