Maria G Fonseca

List of Publications by Year
in descending order

90 papers	2,390 citations	218592 26 h-index	243529 44 g-index
90 all docs	90 docs citations	90 times ranked	2410 citing authors

#	Article	IF	Citations
1	Montmorillonite with essential oils as antimicrobial agents, packaging, repellents, and insecticides: an overview. Colloids and Surfaces B: Biointerfaces, 2022, 209, 112186.	2.5	37
2	The versatility of montmorillonite in water remediation using adsorption: Current studies and challenges in drug removal. Journal of Environmental Chemical Engineering, 2022, 10, 107341.	3.3	21
3	Facile synthesis of ZnO-clay minerals composites using an ultrasonic approach for photocatalytic performance. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 429, 113934.	2.0	22
4	Clay Mineral Minerals as a Strategy for Biomolecule Incorporation: Amino Acids Approach. Materials, 2022, 15, 64.	1.3	4
5	Functionalization of the hydroxyapatite surface with ZnO for alizarin immobilization. Applied Surface Science, 2022, , 153412.	3.1	3
6	Light-Activated Hydroxyapatite Photocatalysts: New Environmentally-Friendly Materials to Mitigate Pollutants. Minerals (Basel, Switzerland), 2022, 12, 525.	0.8	9
7	Designing photochromatic pigments based on clay minerals and spiropyran. Dyes and Pigments, 2022, 204, 110358.	2.0	3
8	Undoped tetragonal ZrO2 obtained by the Pechini method: thermal evaluation of tetragonalâ€“monoclinic phase transition and application as catalyst for biodiesel synthesis. Journal of Thermal Analysis and Calorimetry, 2021, 143, 3307-3316.	2.0	19
9	What happens when chitosan meets bentonite under microwave-assisted conditions? Clay-based hybrid nanocomposites for dye adsorption. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 609, 125584.	2.3	33
10	Zn-doped mesoporous hydroxyapatites and their antimicrobial properties. Colloids and Surfaces B: Biointerfaces, 2021, 198, 111471.	2.5	23
11	Zinc (II) modified hydroxyapatites for tetracycline removal: Zn (II) doping or ZnO deposition and their influence in the adsorption. Polyhedron, 2021, 194, 114879.	1.0	27
12	ZnO/bentonite Hybrids Obtained by a Simple Method of Synthesis and Applied as Catalyst for Biodiesel Production. Engineering Materials, 2021, , 1-25.	0.3	2
13	In Vitro Evaluation of Desensitizing Agents Containing Bioactive Scaffolds of Nanofibers on Dentin Remineralization. Materials, 2021, 14, 1056.	1.3	7
14	Effect of Cerium-Containing Hydroxyapatite in Bone Repair in Female Rats with Osteoporosis Induced by Ovariectomy. Minerals (Basel, Switzerland), 2021, 11, 377.	0.8	13
15	Inorganic-organic hybrid pigments based on carminic acid and clay minerals. Dyes and Pigments, 2021, 190, 109306.	2.0	20
16	HÃbridos de grafeno/montmorillonita e Ã³xido de grafeno/montmorillonita como nanomateriais funcionais: uma visÃ£o da literatura atual. Ceramica, 2021, 67, 210-229.	0.3	0
17	When RNA meets montmorillonite: Influence of the pH and divalent cations. Applied Clay Science, 2021, 214, 106234.	2.6	15
18	Aminopropyl bentonites obtained by microwave-assisted silylation for copper removal. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 630, 127557.	2.3	3

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19	Effect of Oxycations in Clay Mineral on Adsorptionâ€"Vanadyl Exchange Bentonites and Their Ability for Amiloride Removal. Minerals (Basel, Switzerland), 2021, 11, 1327.	0.8	2
20	Gallium-Containing Hydroxyapatite as a Promising Material for Photocatalytic Performance. Minerals (Basel, Switzerland), 2021, 11, 1347.	0.8	8
21	Monitoring diclofenac adsorption by organophilic alkylpyridinium bentonites. Chemosphere, 2020, 242, 125109.	4.2	63
22	Adsorption of tamoxifen on montmorillonite surface. Microporous and Mesoporous Materials, 2020, 297, 110012.	2.2	17
23	Novel modified bentonites applied to the removal of an anionic azo-dye from aqueous solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 585, 124152.	2.3	16
24	Through alizarin-hectorite pigments: Influence of organofunctionalization on fading. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 587, 124323.	2.3	11
25	Kaolinite/cashew gum bionanocomposite for doxazosin incorporation and its release. International Journal of Biological Macromolecules, 2020, 161, 927-935.	3.6	12
26	Robust Mn(iii) N-pyridylporphyrin-based biomimetic catalysts for hydrocarbon oxidations: heterogenization on non-functionalized silica gel versus chloropropyl-functionalized silica gel. Dalton Transactions, 2020, 49, 16404-16418.	1.6	9
27	Saponite-anthocyanin pigments: Slipping between the sheets. Microporous and Mesoporous Materials, 2020, 300, 110148.	2.2	15
28	Amino hydroxyapatite/chitosan hybrids reticulated with glutaraldehyde at different pH values and their use for diclofenac removal. Carbohydrate Polymers, 2020, 236, 116036.	5.1	48
29	Antimicrobial efficacy of building material based on ZnO/palygorskite against Gram-negative and Gram-positive bacteria. Applied Clay Science, 2020, 188, 105499.	2.6	35
30	Oxide-Clay Mineral as Photoactive Material for Dye Discoloration. Minerals (Basel, Switzerland), 2020, 10, 132.	0.8	11
31	A comparative study of alanine adsorption and condensation to peptides in two clay minerals. Applied Clay Science, 2020, 192, 105617.	2.6	16
32	Saponite-anthocyanin derivatives: The role of organoclays in pigment photostability. Applied Clay Science, 2020, 191, 105604.	2.6	29
33	Modulating the structure of organofunctionalized hydroxyapatite/tripolyphosphate/chitosan spheres for dye removal. Journal of Environmental Chemical Engineering, 2020, 8, 103980.	3.3	19
34	Catechins as Model Bioactive Compounds for Biomedical Applications. Current Pharmaceutical Design, 2020, 26, 4032-4047.	0.9	16
35	Functionalized bentonites for dye adsorption: Depollution and production of new pigments. Journal of Environmental Chemical Engineering, 2019, 7, 103333.	3.3	28
36	Tamoxifen/montmorillonite system â€“ Effect of the experimental conditions. Applied Clay Science, 2019, 180, 105142.	2.6	16

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37	Evaluation of methylene blue removal by plasma activated palygorskites. Journal of Materials Research and Technology, 2019, 8, 5432-5442.	2.6	64
38	Understanding the effect of UV light in systems containing clay minerals and tetracycline. Applied Clay Science, 2019, 183, 105311.	2.6	17
39	Environmental remediation and synthesis of a new pigment by irradiation-induced adsorption of methylene blue onto undoped tetragonal zirconia. Materials Letters, 2019, 255, 126588.	1.3	3
40	Understanding the interactions between ranitidine and magadiite: Influence of the interlayer cation. Chemosphere, 2019, 222, 980-990.	4.2	16
41	Confinement and Time Immemorial: Prebiotic Synthesis of Nucleotides on a Porous Mineral Nanoreactor. Journal of Physical Chemistry Letters, 2019, 10, 4192-4196.	2.1	6
42	Dressing protective clothing: stabilizing alizarin/halloysite hybrid pigment and beyond. Dyes and Pigments, 2019, 166, 32-41.	2.0	27
43	Microwave bentonite silylation for dye removal: Influence of the solvent. Applied Clay Science, 2019, 168, 478-487.	2.6	27
44	Thiabendazole/bentonites hybrids as controlled release systems. Colloids and Surfaces B: Biointerfaces, 2019, 176, 249-255.	2.5	40
45	Going through the wine fining: Intimate dialogue between organics and clays. Colloids and Surfaces B: Biointerfaces, 2018, 166, 79-88.	2.5	16
46	Organophilic bentonites obtained by microwave heating as adsorbents for anionic dyes. Journal of Environmental Chemical Engineering, 2018, 6, 7080-7090.	3.3	42
47	When anthraquinone dyes meet pillared montmorillonite: Stability or fading upon exposure to light?. Dyes and Pigments, 2018, 159, 384-394.	2.0	47
48	Green biosorbents based on chitosan-montmorillonite beads for anionic dye removal. Journal of Environmental Chemical Engineering, 2017, 5, 3309-3318.	3.3	89
49	Mesoporous calcium phosphate using casein as a template: Application to bovine serum albumin sorption. Colloids and Surfaces B: Biointerfaces, 2017, 158, 480-487.	2.5	19
50	Pure and Al-doped ZnO obtained by the modified Pechini method applied in ethanolic transesterification of cottonseed oil. Ceramica, 2017, 63, 82-89.	0.3	7
51	SILICA GEL MODIFIED WITH AMINO IMINE GROUPS AS AN ADSORBENT FOR METALLIC CATIONS. Environmental Engineering and Management Journal, 2017, 16, 213-224.	0.2	0
52	Natural Palygorskite as an Industrial Dye Remover in Single and Binary Systems. Materials Research, 2016, 19, 1232-1240.	0.6	13
53	Organofunctionalization of Natural Palygorskite with Ethylene Sulfide in the Absence of a Solvent. Materials Science Forum, 2016, 869, 176-180.	0.3	0
54	Thermally activated palygorskites as agents to clarify soybean oil. Applied Clay Science, 2016, 119, 338-347.	2.6	47

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55	Experimental design investigation for vermiculite modification: Intercalation reaction and application for dye removal. Applied Clay Science, 2016, 126, 113-121.	2.6	21
56	Silylation of leached-vermiculites following reaction with imidazole and copper sorption behavior. Journal of Hazardous Materials, 2016, 306, 406-418.	6.5	20
57	Acid-leached mixed vermiculites obtained by treatment with nitric acid. Applied Clay Science, 2015, 104, 286-294.	2.6	57
58	Luminescent Eu^{III} Complexes Immobilized on a Vermiculite Clay Surface. European Journal of Inorganic Chemistry, 2014, 2014, 1914-1921.	1.0	17
59	Synthesis and characterization of a silylated Brazilian clay mineral surface. Chemical Papers, 2014, 68, .	1.0	4
60	Characterization and catalytic performances of copper and cobalt-exchanged hydroxyapatite in glycerol conversion for 1-hydroxyacetone production. Applied Catalysis A: General, 2014, 471, 39-49.	2.2	41
61	Direct grafting of ethylene sulfide onto silicic acid magadiite. Microporous and Mesoporous Materials, 2014, 196, 292-299.	2.2	12
62	Thermochemistry of interaction between cellulose modified with 2-aminomethylpyridine and divalent cations. Journal of Thermal Analysis and Calorimetry, 2013, 114, 423-429.	2.0	7
63	Calorimetry studies for interaction in solid/liquid interface between the modified cellulose and divalent cation. Journal of Thermal Analysis and Calorimetry, 2013, 114, 57-66.	2.0	11
64	Brazilian Palygorskite as Adsorbent for Metal Ions from Aqueous Solutionâ€"Kinetic and Equilibrium Studies. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	24
65	Chitosan-montmorillonite biocomposite as an adsorbent for copper (II) cations from aqueous solutions. International Journal of Biological Macromolecules, 2013, 61, 471-478.	3.6	91
66	Immobilization of ethylene sulfide in aminated cellulose for removal of the divalent cations. Carbohydrate Polymers, 2013, 92, 1203-1210.	5.1	75
67	Thermal stability of the prototypical Mn porphyrin-based superoxide dismutase mimic and potent oxidative-stress redox modulator Mn(III) meso-tetrakis(N-ethylpyridinium-2-yl)porphyrin chloride, MnTE-2-PyP5+. Journal of Pharmaceutical and Biomedical Analysis, 2013, 73, 29-34.	1.4	21
68	Silica gel modified with ethylenediamine and succinic acid-adsorption and calorimetry of cations in aqueous solution. Thermochimica Acta, 2013, 556, 34-40.	1.2	20
69	Organofunctionalized silica gel as a support for lipase. Journal of Non-Crystalline Solids, 2013, 376, 139-144.	1.5	9
70	Surface cellulose modification with 2-aminomethylpyridine for copper, cobalt, nickel and zinc removal from aqueous solution. Materials Research, 2013, 16, 79-84.	0.6	28
71	Inorganic-organic hybrids originating from organosilane anchored onto leached vermiculite. Materials Research, 2013, 16, 891-897.	0.6	10
72	Adsorption of an industrial anionic dye by modified-KSF-montmorillonite: Evaluation of the kinetic, thermodynamic and equilibrium data. Chemical Engineering Journal, 2012, 203, 259-268.	6.6	123

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73	A new organofunctionalized silica containing thioglycolic acid incorporated for divalent cations removalâ€"A thermodyamic cation/basic center interaction. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 332, 144-149.	2.3	46
74	Sequestration of Cu(II), Ni(II), and Co(II) by ethyleneimine immobilized on silica. Thermochimica Acta, 2007, 453, 72-74.	1.2	20
75	Enthalpies of formation of adducts of antimony(III) iodide with pyridine and methyl-pyridines. Thermochimica Acta, 2007, 456, 102-105.	1.2	5
76	Interaction of aliphatic diamines with vermiculite in aqueous solution. Applied Clay Science, 2006, 32, 94-98.	2.6	18
77	Removal of cadmium, zinc, manganese and chromium cations from aqueous solution by a clay mineral. Journal of Hazardous Materials, 2006, 137, 288-292.	6.5	148
78	Synthesis of modified vermiculite by interaction with aromatic heterocyclic amines. Journal of Physics and Chemistry of Solids, 2006, 67, 1835-1840.	1.9	5
79	Natural vermiculite as an exchanger support for heavy cations in aqueous solution. Journal of Colloid and Interface Science, 2005, 285, 50-55.	5.0	100
80	Adducts of antimony triiodide and 2-aminomethylpyridines: Synthesis, characterization and thermochemistry. Thermochimica Acta, 2005, 438, 90-94.	1.2	7
81	Zinc phyllosilicates containing amino pendant groups. Journal of Solid State Chemistry, 2004, 177, 2316-2322.	1.4	45
82	Silica gel containing sulfur, nitrogen and oxygen as adsorbent centers on surface for removing copper from aqueous/ethanolic solutions. Talanta, 2004, 63, 317-322.	2.9	68
83	HÃbridos inorgÃ¢nico-orgÃ¢nicos derivados da reaÃ§Ã£o de filossicatos com organossilanos. Quimica Nova, 2003, 26, 699-707.	0.3	8
84	Layered Inorganicâ˜Organic Talc-like Nanocomposites. Chemistry of Materials, 2002, 14, 175-179.	3.2	53
85	Some thermodynamic data about amino chrysotile derivatives with nickel and cobalt cation interactions in aqueous solution. Thermochimica Acta, 2001, 369, 17-24.	1.2	19
86	Thermodynamics Data of Interaction of Copper Nitrate with Native and Modified Chrysotile Fibers in Aqueous Solution. Journal of Colloid and Interface Science, 2001, 240, 229-236.	5.0	33
87	Silylating Agents Grafted onto Silica Derived from Leached Chrysotile. Journal of Colloid and Interface Science, 2001, 240, 533-538.	5.0	56
88	Mercaptopropyl magnesium phyllosilicate â€" thermodynamic data on the interaction with divalent cations in aqueous solution. Thermochimica Acta, 2000, 359, 1-9.	1.2	41
89	Isotherm data of Fe3+, Cr3+ and Co2+ adsorved on surface of silica-propylpiperazinedithiocarbamato. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 133, 205-209.	2.3	15
90	Deadlocks of adenine ribonucleotides synthesis: Evaluation of adsorption and condensation reactions into a zeolite micropore space. Inorganic Chemistry Frontiers, 0, , .	3.0	0