Marta Otero

List of Publications by Year in descending order

158 papers	7,600 citations	43973 48 h-index	66788 78 g-index
158 all docs	158 docs citations	158 times ranked	8327 citing authors

#	Article	IF	Citations
1	Silica coated magnetite particles for magnetic removal of Hg2+ from water. Journal of Colloid and Interface Science, 2010, 345, 234-240.	5.0	334
2	Processes for the elimination of estrogenic steroid hormones from water: A review. Environmental Pollution, 2012, 165, 38-58.	3.7	265
3	Anaerobic digestion of solid slaughterhouse waste (SHW) at laboratory scale: Influence of co-digestion with the organic fraction of municipal solid waste (OFMSW). Biochemical Engineering Journal, 2008, 40, 99-106.	1.8	209
4	Dye adsorption by sewage sludge-based activated carbons in batch and fixed-bed systems. Bioresource Technology, 2003, 87, 221-230.	4.8	200
5	Kinetic and equilibrium modelling of the methylene blue removal from solution by adsorbent materials produced from sewage sludges. Biochemical Engineering Journal, 2003, 15, 59-68.	1.8	199
6	Elimination of organic water pollutants using adsorbents obtained from sewage sludge. Dyes and Pigments, 2003, 57, 55-65.	2.0	178
7	Adsorption of heavy metals onto sewage sludge-derived materials. Bioresource Technology, 2008, 99, 6332-6338.	4.8	177
8	Co-combustion of different sewage sludge and coal: A non-isothermal thermogravimetric kinetic analysis. Bioresource Technology, 2008, 99, 6311-6319.	4.8	153
9	Analysis of the co-combustion of sewage sludge and coal by TG-MS. Biomass and Bioenergy, 2002, 22, 319-329.	2.9	134
10	A magnetic nanocomposite produced from camel bones for an efficient adsorption of toxic metals from water. Journal of Cleaner Production, 2018, 178, 293-304.	4.6	133
11	Mercury pollution in Ria de Aveiro (Portugal): a review of the system assessment. Environmental Monitoring and Assessment, 2009, 155, 39-49.	1.3	120
12	Unary and binary adsorption studies of lead and malachite green onto a nanomagnetic copper ferrite/drumstick pod biomass composite. Journal of Hazardous Materials, 2019, 365, 759-770.	6.5	118
13	Adsorptive removal of pharmaceuticals from water by commercial and waste-based carbons. Journal of Environmental Management, 2015, 152, 83-90.	3.8	115
14	Activated carbons from sewage sludge and discarded tyres: Production and optimization. Journal of Hazardous Materials, 2005, 124, 181-191.	6.5	110
15	Anaerobic digestion and co-digestion of slaughterhouse waste (SHW): Influence of heat and pressure pre-treatment in biogas yield. Waste Management, 2010, 30, 1780-1789.	3.7	110
16	Adsorption of salicylic acid onto polymeric adsorbents and activated charcoal. Reactive and Functional Polymers, 2004, 60, 203-213.	2.0	108
17	Thermogravimetric kinetic analysis of the combustion of biowastes. Renewable Energy, 2009, 34, 1622-1627.	4.3	107
18	Heteroatom-doped magnetic hydrochar to remove post-transition and transition metals from water: Synthesis, characterization, and adsorption studies. Chemosphere, 2019, 218, 1089-1099.	4.2	106

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19	Oxygenated functionalities enriched MWCNTs decorated with silica coated spinel ferrite â€“ A nanocomposite for potentially rapid and efficient de-colorization of aquatic environment. Journal of Molecular Liquids, 2020, 317, 113916.	2.3	102
20	Recent advances on the development and application of magnetic activated carbon and char for the removal of pharmaceutical compounds from waters: A review. Science of the Total Environment, 2020, 718, 137272.	3.9	99
21	Comparative study of the adsorption of phenol and salicylic acid from aqueous solution onto nonionic polymeric resins. Separation and Purification Technology, 2005, 45, 86-95.	3.9	97
22	Effects of sewage sludge blending on the coal combustion: A thermogravimetric assessment. Chemosphere, 2007, 69, 1740-1750.	4.2	97
23	Production of adsorbents by pyrolysis of paper mill sludge and application on the removal of citalopram from water. Bioresource Technology, 2014, 166, 335-344.	4.8	92
24	Nutrients and pharmaceuticals removal from wastewater by culture and harvesting of Chlorella sorokiniana. Bioresource Technology, 2015, 185, 276-284.	4.8	87
25	Paracetamol and salicylic acid removal from contaminated water by microalgae. Journal of Environmental Management, 2017, 203, 799-806.	3.8	84
26	Synthesis of CTAB intercalated graphene and its application for the adsorption of AR265 and AO7 dyes from water. Journal of Colloid and Interface Science, 2017, 493, 51-61.	5.0	83
27	Gasification of rice straw in a fluidized-bed gasifier for syngas application in close-coupled boiler-gasifier systems. Bioresource Technology, 2012, 109, 206-214.	4.8	82
28	Elemental analysis for categorization of wines and authentication of their certified brand of origin. Journal of Food Composition and Analysis, 2011, 24, 548-562.	1.9	77
29	Heating process characteristics and kinetics of sewage sludge in different atmospheres. Thermochimica Acta, 2004, 409, 127-135.	1.2	76
30	Thermogravimetry as a technique for establishing the stabilization progress of sludge from wastewater treatment plants. Thermochimica Acta, 2002, 389, 121-132.	1.2	72
31	Comparative assessment of diclofenac removal from water by different microalgae strains. Algal Research, 2016, 18, 127-134.	2.4	72
32	Enhancing anaerobic digestion of poultry blood using activated carbon. Journal of Advanced Research, 2017, 8, 297-307.	4.4	71
33	Application in fixed-bed systems of adsorbents obtained from sewage sludge and discarded tyres. Dyes and Pigments, 2007, 72, 47-56.	2.0	67
34	Spectroscopic characterization of dissolved organic matter isolated from rainwater. Chemosphere, 2009, 74, 1053-1061.	4.2	67
35	Waste-based alternative adsorbents for the remediation of pharmaceutical contaminated waters: Has a step forward already been taken?. Bioresource Technology, 2018, 250, 888-901.	4.8	67
36	Co-firing of coal and manure biomass: A TGâ€“MS approach. Bioresource Technology, 2011, 102, 8304-8309.	4.8	66

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37	Heating process characteristics and kinetics of rice straw in different atmospheres. Fuel Processing Technology, 2004, 85, 279-291.	3.7	63
38	Comparative characterization of humic substances from the open ocean, estuarine water and fresh water. Organic Geochemistry, 2009, 40, 942-950.	0.9	63
39	Producing adsorbents from sewage sludge and discarded tyres. Chemical Engineering Journal, 2005, 114, 161-169.	6.6	62
40	Removal of heavy metals from aqueous solution by sewage sludge based sorbents: competitive effects. Desalination, 2009, 239, 46-57.	4.0	61
41	Photodegradation of sulfamethoxazole in environmental samples: The role of pH, organic matter and salinity. Science of the Total Environment, 2019, 648, 1403-1410.	3.9	60
42	Removal of low concentration Hg2+ from natural waters by microporous and layered titanosilicates. Microporous and Mesoporous Materials, 2007, 103, 325-332.	2.2	59
43	Digestion of cattle manure: Thermogravimetric kinetic analysis for the evaluation of organic matter conversion. Bioresource Technology, 2011, 102, 3404-3410.	4.8	55
44	Sludge from paper mill effluent treatment as raw material to produce carbon adsorbents: An alternative waste management strategy. Journal of Environmental Management, 2017, 188, 203-211.	3.8	55
45	Removal of fluoxetine from water by adsorbent materials produced from paper mill sludge. Journal of Colloid and Interface Science, 2015, 448, 32-40.	5.0	54
46	Anaerobic coâ€digestion of poultry blood with OFMSW: FTIR and TGâ€“DTG study of process stabilization. Environmental Technology (United Kingdom), 2009, 30, 571-582.	1.2	52
47	Development of ELISA methodologies for the direct determination of 17Î²-estradiol and 17Î±-ethinylestradiol in complex aqueous matrices. Journal of Environmental Management, 2013, 124, 121-127.	3.8	52
48	Low cost methodology for estrogens monitoring in water samples using dispersive liquidâ€“liquid microextraction and HPLC with fluorescence detection. Talanta, 2013, 115, 980-985.	2.9	49
49	Removal of pharmaceuticals from municipal wastewater by adsorption onto pyrolyzed pulp mill sludge. Arabian Journal of Chemistry, 2019, 12, 3611-3620.	2.3	49
50	Fixed-bed removal of Hg2+ from contaminated water by microporous titanosilicate ETS-4: Experimental and theoretical breakthrough curves. Microporous and Mesoporous Materials, 2011, 145, 32-40.	2.2	48
51	Combustion of primary and secondary pulp mill sludge and their respective blends with coal: A thermogravimetric assessment. Renewable Energy, 2015, 83, 1050-1058.	4.3	48
52	Production of highly efficient activated carbons from industrial wastes for the removal of pharmaceuticals from waterâ€”A full factorial design. Journal of Hazardous Materials, 2019, 370, 212-218.	6.5	48
53	Non-isothermal thermogravimetric analysis of the combustion of two different carbonaceous materials. Journal of Thermal Analysis and Calorimetry, 2008, 93, 619-626.	2.0	46
54	Adsorptive purification of phenol wastewaters: Experimental basis and operation of a parametric pumping unit. Chemical Engineering Journal, 2005, 110, 101-111.	6.6	45

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55	Chemical composition of rainwater at a coastal town on the southwest of Europe: What changes in 20years?. Science of the Total Environment, 2011, 409, 3548-3553.	3.9	45
56	Single and multi-component adsorption of psychiatric pharmaceuticals onto alternative and commercial carbons. Journal of Environmental Management, 2017, 192, 15-24.	3.8	45
57	Removal of Hg2+ ions from aqueous solution by ETS-4 microporous titanosilicateâ€"Kinetic and equilibrium studies. Chemical Engineering Journal, 2009, 151, 247-254.	6.6	44
58	Removal of Rhodamine B from Water Using a Solvent Impregnated Polymeric Dowex 5WX8 Resin: Statistical Optimization and Batch Adsorption Studies. Polymers, 2020, 12, 500.	2.0	44
59	Cadmium(II) removal from aqueous solution using microporous titanosilicate ETS-4. Chemical Engineering Journal, 2009, 147, 173-179.	6.6	43
60	Adsorption of pharmaceuticals from biologically treated municipal wastewater using paper mill sludge-based activated carbon. Environmental Science and Pollution Research, 2019, 26, 13173-13184.	2.7	43
61	Obtaining granular activated carbon from paper mill sludge â€“ A challenge for application in the removal of pharmaceuticals from wastewater. Science of the Total Environment, 2019, 653, 393-400.	3.9	43
62	Upgrading sewage sludges for adsorbent preparation by different treatments. Bioresource Technology, 2001, 80, 143-148.	4.8	42
63	Anaerobic digestion of solid slaughterhouse waste: study of biological stabilization by Fourier Transform infrared spectroscopy and thermogravimetry combined with mass spectrometry. Biodegradation, 2010, 21, 543-556.	1.5	42
64	Feasibility of anaerobic co-digestion of poultry blood with maize residues. Bioresource Technology, 2013, 144, 513-520.	4.8	42
65	Mercury removal with titanosilicate ETS-4: Batch experiments and modelling. Microporous and Mesoporous Materials, 2008, 115, 98-105.	2.2	40
66	Comparative valorisation of agricultural and industrial biowastes by combustion and pyrolysis. Bioresource Technology, 2016, 218, 918-925.	4.8	40
67	Recovery of Vitamin B12 and cephalosporin-C from aqueous solutions by adsorption on non-ionic polymeric adsorbents. Separation and Purification Technology, 2004, 38, 85-98.	3.9	39
68	Removal of Arsenic from Aqueous Solutions by Sorption onto Sewage Sludge-Based Sorbent. Water, Air, and Soil Pollution, 2012, 223, 2311-2321.	1.1	38
69	Comparison of the culture and harvesting of Chlorella vulgaris and Tetradesmus obliquus for the removal of pharmaceuticals from water. Journal of Applied Phycology, 2017, 29, 1179-1193.	1.5	37
70	Smart Adsorbents for Aquatic Environmental Remediation. Small, 2021, 17, e2007840.	5.2	37
71	Biochar-TiO2 magnetic nanocomposites for photocatalytic solar-driven removal of antibiotics from aquaculture effluents. Journal of Environmental Management, 2021, 294, 112937.	3.8	37
72	Fluorescence and DOC contents of estuarine pore waters from colonized and non-colonized sediments: Effects of sampling preservation. Chemosphere, 2007, 67, 211-220.	4.2	36

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73	Zebrafish embryo bioassays for a comprehensive evaluation of microalgae efficiency in the removal of diclofenac from water. Science of the Total Environment, 2018, 640-641, 1024-1033.	3.9	36
74	Priority pollutants (Hg2+ and Cd2+) removal from water by ETS-4 titanosilicate. Desalination, 2009, 249, 742-747.	4.0	34
75	Water decontamination using bio-based, chemically functionalized, doped, and ionic liquid-enhanced adsorbents: review. Environmental Chemistry Letters, 2021, 19, 3075-3114.	8.3	34
76	Separation of synthetic vanillin at different pH onto polymeric adsorbent Sephabeads SP206. Chemical Engineering and Processing: Process Intensification, 2006, 45, 598-607.	1.8	33
77	Effect of pH and temperature on Hg2+ water decontamination using ETS-4 titanosilicate. Journal of Hazardous Materials, 2010, 175, 439-444.	6.5	33
78	Spectroscopic changes on fulvic acids from a kraft pulp mill effluent caused by sun irradiation. Chemosphere, 2008, 73, 1845-1852.	4.2	31
79	Thermogravimetric analysis of biowastes during combustion. Waste Management, 2010, 30, 1183-1187.	3.7	31
80	Effect of natural aquatic humic substances on the photodegradation of estrone. Chemosphere, 2016, 145, 249-255.	4.2	31
81	Treatment of dairy industry wastewater by oxygen injection: performance and outlay parameters from the full scale implementation. Journal of Cleaner Production, 2015, 86, 15-23.	4.6	30
82	Utilization of Non-Living Microalgae Biomass from Two Different Strains for the Adsorptive Removal of Diclofenac from Water. Water (Switzerland), 2018, 10, 1401.	1.2	30
83	Fixed-Bed Adsorption of Salicylic Acid onto Polymeric Adsorbents and Activated Charcoal. Industrial & Engineering Chemistry Research, 2005, 44, 927-936.	1.8	29
84	Effect of the surface functionalization of a waste-derived activated carbon on pharmaceuticals' adsorption from water. Journal of Molecular Liquids, 2020, 299, 112098.	2.3	28
85	Photodegradation of metoprolol in the presence of aquatic fulvic acids. Kinetic studies, degradation pathways and role of singlet oxygen, OH radicals and fulvic acids triplet states. Journal of Hazardous Materials, 2020, 385, 121523.	6.5	28
86	Monitoring pharmaceuticals in the aquatic environment using enzyme-linked immunosorbent assay (ELISA)â€"a practical overview. Analytical and Bioanalytical Chemistry, 2020, 412, 3983-4008.	1.9	28
87	Comparative adsorption evaluation of biochars from paper mill sludge with commercial activated carbon for the removal of fish anaesthetics from water in Recirculating Aquaculture Systems. Aquacultural Engineering, 2016, 74, 76-83.	1.4	27
88	Valorization of Microalgae Biomass by Its Use for the Removal of Paracetamol from Contaminated Water. Water (Switzerland), 2017, 9, 312.	1.2	27
89	Paper pulp-based adsorbents for the removal of pharmaceuticals from wastewater: A novel approach towards diversification. Science of the Total Environment, 2018, 631-632, 1018-1028.	3.9	27
90	Effect of pH on cadmium (II) removal from aqueous solution using titanosilicate ETS-4. Chemical Engineering Journal, 2009, 155, 728-735.	6.6	26

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91	Photosensitized Degradation of 17Î²-estradiol and 17Î±-ethinylestradiol: Role of Humic Substances Fractions. Journal of Environmental Quality, 2016, 45, 693-700.	1.0	26
92	Adsorption Separation of Analgesic Pharmaceuticals from Ultrapure and Waste Water: Batch Studies Using a Polymeric Resin and an Activated Carbon. Polymers, 2018, 10, 958.	2.0	26
93	Emissions from residential pellet combustion of an invasive acacia species. Renewable Energy, 2019, 140, 319-329.	4.3	26
94	Optimizing microwave-assisted production of waste-based activated carbons for the removal of antibiotics from water. Science of the Total Environment, 2021, 752, 141662.	3.9	26
95	Upcycling olive oil cake through wet torrefaction to produce hydrochar for water decontamination. Chemical Engineering Research and Design, 2021, 170, 13-22.	2.7	26
96	Evaluation of an interlaboratory proficiency-testing exercise for total mercury in environmental samples of soils, sediments and fish tissue. TrAC - Trends in Analytical Chemistry, 2008, 27, 959-970.	5.8	25
97	Green Microalgae Scenedesmus Obliquus Utilization for the Adsorptive Removal of Nonsteroidal Anti-Inflammatory Drugs (NSAIDs) from Water Samples. International Journal of Environmental Research and Public Health, 2020, 17, 3707.	1.2	25
98	Overview of relevant economic and environmental aspects of waste-based activated carbons aimed at adsorptive water treatments. Journal of Cleaner Production, 2022, 344, 130984.	4.6	25
99	Uptake of Hg2+ from aqueous solutions by microporous titano- and zircono-silicates. Quimica Nova, 2008, 31, 321-325.	0.3	24
100	Evaluation of the anthropogenic input of caffeine in surface waters of the north and center of Portugal by ELISA. Science of the Total Environment, 2014, 479-480, 227-232.	3.9	24
101	Phenolic wastewaters purification by thermal parametric pumping: Modeling and pilot-scale experiments. Water Research, 2005, 39, 3467-3478.	5.3	23
102	Simultaneous thermogravimetric-mass spectrometric study on the co-combustion of coal and sewage sludges. Journal of Thermal Analysis and Calorimetry, 2006, 86, 489-495.	2.0	23
103	Cadmium(II) removal from aqueous solution using microporous titanosilicate ETS-10. Chemical Engineering Journal, 2009, 155, 108-114.	6.6	23
104	Application of dispersive liquidâ€“liquid microextraction for estrogens×³ quantification by enzyme-linked immunosorbent assay. Talanta, 2014, 125, 102-106.	2.9	23
105	Photodegradation behaviour of estriol: An insight on natural aquatic organic matter influence. Chemosphere, 2016, 159, 545-551.	4.2	23
106	In situ functionalization of a cellulosic-based activated carbon with magnetic iron oxides for the removal of carbamazepine from wastewater. Environmental Science and Pollution Research, 2021, 28, 18314-18327.	2.7	23
107	Antibiotics in Aquaculture Wastewater: Is It Feasible to Use a Photodegradation-Based Treatment for Their Removal?. Toxics, 2021, 9, 194.	1.6	23
108	Acetaminophen Removal from Water by Microalgae and Effluent Toxicity Assessment by the Zebrafish Embryo Bioassay. Water (Switzerland), 2019, 11, 1929.	1.2	22

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109	Fixed-bed performance of a waste-derived granular activated carbon for the removal of micropollutants from municipal wastewater. Science of the Total Environment, 2019, 683, 699-708.	3.9	22
110	Coreâ˜'Shell Molecularly Imprinted Polymers on Magnetic Yeast for the Removal of Sulfamethoxazole from Water. Polymers, 2020, 12, 1385.	2.0	22
111	Photodegradation of sulfadiazine in different aquatic environments â€“ Evaluation of influencing factors. Environmental Research, 2020, 188, 109730.	3.7	21
112	Dispersive liquid-liquid microextraction for the quantification of venlafaxine in environmental waters. Journal of Environmental Management, 2018, 217, 71-77.	3.8	20
113	Comparative Thermogravimetric Assessment on the Combustion of Coal, Microalgae Biomass and Their Blend. Energies, 2019, 12, 2962.	1.6	20
114	Effects of thiol functionalization of a waste-derived activated carbon on the adsorption of sulfamethoxazole from water: Kinetic, equilibrium and thermodynamic studies. Journal of Molecular Liquids, 2021, 323, 115003.	2.3	20
115	Comparison between DAX-8 and C-18 solid phase extraction of rainwater dissolved organic matter. Talanta, 2010, 83, 505-512.	2.9	19
116	Removal of tricaine methanesulfonate from aquaculture wastewater by adsorption onto pyrolysed paper mill sludge. Chemosphere, 2017, 168, 139-146.	4.2	19
117	Effects of solar radiation on the fluorescence properties and molecular weight of fulvic acids from pulp mill effluents. Chemosphere, 2008, 71, 1539-1546.	4.2	18
118	Multivariable optimization of activated carbon production from microwave pyrolysis of brewery wastes - Application in the removal of antibiotics from water. Journal of Hazardous Materials, 2022, 431, 128556.	6.5	18
119	Removal of tetracyclines from swine manure at full-scale activated sludge treatment plants. Environmental Technology (United Kingdom), 2015, 36, 1966-1973.	1.2	17
120	Mercury partition in the interface between a contaminated lagoon and the ocean: The role of particulate load and composition. Marine Pollution Bulletin, 2010, 60, 1658-1666.	2.3	16
121	Daily and inter-tidal variations of Fe, Mn and Hg in the water column of a contaminated salt marsh: Halophytes effect. Estuarine, Coastal and Shelf Science, 2010, 88, 91-98.	0.9	16
122	Application of pyrolysed agricultural biowastes as adsorbents for fish anaesthetic (MS-222) removal from water. Journal of Analytical and Applied Pyrolysis, 2015, 112, 313-324.	2.6	16
123	Effect of waste organic amendments on Populus sp biomass production and thermal characteristics. Renewable Energy, 2016, 94, 166-174.	4.3	15
124	Fixed-bed adsorption of Tricaine Methanesulfonate onto pyrolysed paper mill sludge. Aquacultural Engineering, 2017, 77, 53-60.	1.4	15
125	Selection of native freshwater microalgae and cyanobacteria for CO₂biofixation. Environmental Technology (United Kingdom), 2013, 34, 3137-3143.	1.2	14
126	Thermal Valorization of Pulp Mill Sludge by Co-processing with Coal. Waste and Biomass Valorization, 2016, 7, 995-1006.	1.8	14

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127	Kinetic Studies on the Catalytic Degradation of Rhodamine B by Hydrogen Peroxide: Effect of Surfactant Coated and Non-Coated Iron (III) Oxide Nanoparticles. Polymers, 2020, 12, 2246.	2.0	14
128	An Experimental Investigation of Sewage Sludge Gasification in a Fluidized Bed Reactor. Scientific World Journal, The, 2013, 2013, 1-8.	0.8	13
129	Chlorella sorokiniana thermogravimetric analysis and combustion characteristic indexes estimation. Journal of Thermal Analysis and Calorimetry, 2018, 131, 3139-3149.	2.0	13
130	Producing Magnetic Nanocomposites from Paper Sludge for the Adsorptive Removal of Pharmaceuticals from Waterâ€"A Fractional Factorial Design. Nanomaterials, 2021, 11, 287.	1.9	13
131	Bioflocculants Produced by Bacterial Strains Isolated from Palm Oil Mill Effluent for Application in the Removal of Eriochrome Black T Dye from Water. Polymers, 2020, 12, 1545.	2.0	12
132	Stable carbon isotope ratios of tandem fractionated humic substances from different water bodies. Organic Geochemistry, 2007, 38, 957-966.	0.9	11
133	Molecular fluorescence analysis of rainwater: Effects of sample preservation. Talanta, 2010, 82, 1616-1621.	2.9	11
134	Oxolinic acid in aquaculture waters: Can natural attenuation through photodegradation decrease its concentration?. Science of the Total Environment, 2020, 749, 141661.	3.9	11
135	Sustainable and recoverable waste-based magnetic nanocomposites used for the removal of pharmaceuticals from wastewater. Chemical Engineering Journal, 2021, 426, 129974.	6.6	11
136	The effects of changes to estuarine hydrology on system phosphorous retention capacity: The Mondego estuary, Portugal. Estuarine, Coastal and Shelf Science, 2012, 99, 85-94.	0.9	10
137	Kinetics of the PO4-P adsorption onto soils and sediments from the Mondego estuary (Portugal). Marine Pollution Bulletin, 2013, 77, 361-366.	2.3	10
138	Soil properties, phosphorus fractions and sorption after wildfire in north-central Portugal. Geoderma Regional, 2015, 5, 86-95.	0.9	10
139	Sulfadiazine's photodegradation using a novel magnetic and reusable carbon based photocatalyst: Photocatalytic efficiency and toxic impacts to marine bivalves. Journal of Environmental Management, 2022, 313, 115030.	3.8	10
140	Adsorption equilibrium of polar/non-polar mixtures on MCM-41: experiments and Monte Carlo simulation. Studies in Surface Science and Catalysis, 2002, 144, 685-692.	1.5	9
141	Solidâ€Phase Extraction for the Determination of Dimethoate in Environmental Water and Soil Samples by Micellar Electrokinetic Capillary Chromatography (MEKC). Journal of Liquid Chromatography and Related Technologies, 2003, 26, 545-557.	0.5	9
142	Salicylic Acid Adsorption onto Sephabeads SP206 in View of its Purification by Thermal Parametric Pumping. Adsorption, 2005, 11, 887-892.	1.4	9
143	Simultaneous thermogravimetric and mass spectrometric monitoring of the pyrolysis, gasification and combustion of rice straw. Journal of Thermal Analysis and Calorimetry, 2015, 121, 603-611.	2.0	9
144	Idle time in the washing and iron concentration in leachate removed: two basic parameters in the desulphurization of coal in a packed column. Applied Microbiology and Biotechnology, 2001, 55, 49-54.	1.7	8

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145	Effect of Applying Organic Amendments on the Pyrolytic Behavior of a Poplar Energy Crop. Waste and Biomass Valorization, 2018, 9, 1435-1449.	1.8	8
146	Treatment of Dairy Wastewater by Oxygen Injection: Occurrence and Removal Efficiency of a Benzotriazole Based Anticorrosive. Water (Switzerland), 2018, 10, 155.	1.2	8
147	Removal of Pharmaceuticals from Water: Conventional and Alternative Treatments. Water (Switzerland), 2021, 13, 487.	1.2	8
148	Photodegradation of Aquaculture Antibiotics Using Carbon Dots-TiO2 Nanocomposites. Toxics, 2021, 9, 330.	1.6	8
149	Sulfamethoxazole exposure to simulated solar radiation under continuous flow mode: Degradation and antibacterial activity. Chemosphere, 2020, 238, 124613.	4.2	7
150	Thermogravimetric analysis of the co-pyrolysis of a bituminous coal and pulp mill sludge. Journal of Thermal Analysis and Calorimetry, 2015, 122, 1385-1394.	2.0	6
151	Photobleaching of lignin derived compounds from pulp mill effluents upon irradiation: The key role of receiving waters. Environmental Pollution, 2013, 182, 486-489.	3.7	4
152	A continuous process for the production of a fabric reinforced polymeric matrix. Journal of Reinforced Plastics and Composites, 2015, 34, 1662-1672.	1.6	3
153	Adsorptive removal of diclofenac from ultrapure and wastewater: a comparative assessment on the performance of a polymeric resin and activated carbons. Desalination and Water Treatment, 0, , 1-10.	1.0	3
154	Removal of strontium by high-performance adsorbents Saccharomyces cerevisiae-Fe3O4 bio-microcomposites. Journal of Radioanalytical and Nuclear Chemistry, 2020, 326, 525-535.	0.7	3
155	Current Trends and Perspectives in the Application of Polymeric Materials to Wastewater Treatment. Polymers, 2021, 13, 1089.	2.0	3
156	Fluorescence characterization of daily and intertidal changes in estuarine water DOM related to the presence of Sarcocornia perennis (L.) A.J. Scott. Organic Geochemistry, 2010, 41, 734-741.	0.9	2
157	Assessment of cationic dye biosorption onto anaerobic digested sludge: Spectroscopic characterization. Environmental Progress and Sustainable Energy, 2016, 35, 1330-1337.	1.3	2
158	Removal of Mercury From Aqueous Solutions by ETS-4 Microporous Titanosilicate: Effect of Contact Time, Titanosilicate Mass and Initial Metal Concentration. , 2007, , 1019.		1