

Marta Otero

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

155
papers

5,937
citations

43
h-index

70
g-index

158
ext. papers

6,740
ext. citations

7.1
avg, IF

6
L-index

#	Paper	IF	Citations
155	Silica coated magnetite particles for magnetic removal of Hg ²⁺ from water. <i>Journal of Colloid and Interface Science</i> , 2010 , 345, 234-40	9.3	301
154	Processes for the elimination of estrogenic steroid hormones from water: a review. <i>Environmental Pollution</i> , 2012 , 165, 38-58	9.3	231
153	Anaerobic digestion of solid slaughterhouse waste (SHW) at laboratory scale: Influence of co-digestion with the organic fraction of municipal solid waste (OFMSW). <i>Biochemical Engineering Journal</i> , 2008 , 40, 99-106	4.2	179
152	Dye adsorption by sewage sludge-based activated carbons in batch and fixed-bed systems. <i>Bioresource Technology</i> , 2003 , 87, 221-30	11	176
151	Kinetic and equilibrium modelling of the methylene blue removal from solution by adsorbent materials produced from sewage sludges. <i>Biochemical Engineering Journal</i> , 2003 , 15, 59-68	4.2	175
150	Elimination of organic water pollutants using adsorbents obtained from sewage sludge. <i>Dyes and Pigments</i> , 2003 , 57, 55-65	4.6	156
149	Adsorption of heavy metals onto sewage sludge-derived materials. <i>Bioresource Technology</i> , 2008 , 99, 6332-8	11	149
148	Co-combustion of different sewage sludge and coal: a non-isothermal thermogravimetric kinetic analysis. <i>Bioresource Technology</i> , 2008 , 99, 6311-9	11	133
147	Analysis of the co-combustion of sewage sludge and coal by TG-MS. <i>Biomass and Bioenergy</i> , 2002 , 22, 319-329	5.3	118
146	Mercury pollution in Ria de Aveiro (Portugal): a review of the system assessment. <i>Environmental Monitoring and Assessment</i> , 2009 , 155, 39-49	3.1	109
145	Activated carbons from sewage sludge and discarded tyres: production and optimization. <i>Journal of Hazardous Materials</i> , 2005 , 124, 181-91	12.8	100
144	Adsorptive removal of pharmaceuticals from water by commercial and waste-based carbons. <i>Journal of Environmental Management</i> , 2015 , 152, 83-90	7.9	97
143	Anaerobic digestion and co-digestion of slaughterhouse waste (SHW): influence of heat and pressure pre-treatment in biogas yield. <i>Waste Management</i> , 2010 , 30, 1780-9	8.6	92
142	Thermogravimetric kinetic analysis of the combustion of biowastes. <i>Renewable Energy</i> , 2009 , 34, 1622-1627		91
141	Comparative study of the adsorption of phenol and salicylic acid from aqueous solution onto nonionic polymeric resins. <i>Separation and Purification Technology</i> , 2005 , 45, 86-95	8.3	88
140	Adsorption of salicylic acid onto polymeric adsorbents and activated charcoal. <i>Reactive and Functional Polymers</i> , 2004 , 60, 203-213	4.6	87
139	Effects of sewage sludge blending on the coal combustion: a thermogravimetric assessment. <i>Chemosphere</i> , 2007 , 69, 1740-50	8.4	85

138	A magnetic nanocomposite produced from camel bones for an efficient adsorption of toxic metals from water. <i>Journal of Cleaner Production</i> , 2018 , 178, 293-304	10.3	82
137	Production of adsorbents by pyrolysis of paper mill sludge and application on the removal of citalopram from water. <i>Bioresource Technology</i> , 2014 , 166, 335-44	11	73
136	Heating process characteristics and kinetics of sewage sludge in different atmospheres. <i>Thermochimica Acta</i> , 2004 , 409, 127-135	2.9	69
135	Heteroatom-doped magnetic hydrochar to remove post-transition and transition metals from water: Synthesis, characterization, and adsorption studies. <i>Chemosphere</i> , 2019 , 218, 1089-1099	8.4	69
134	Synthesis of CTAB intercalated graphene and its application for the adsorption of AR265 and AO7 dyes from water. <i>Journal of Colloid and Interface Science</i> , 2017 , 493, 51-61	9.3	67
133	Paracetamol and salicylic acid removal from contaminated water by microalgae. <i>Journal of Environmental Management</i> , 2017 , 203, 799-806	7.9	67
132	Unary and binary adsorption studies of lead and malachite green onto a nanomagnetic copper ferrite/drumstick pod biomass composite. <i>Journal of Hazardous Materials</i> , 2019 , 365, 759-770	12.8	67
131	Thermogravimetry as a technique for establishing the stabilization progress of sludge from wastewater treatment plants. <i>Thermochimica Acta</i> , 2002 , 389, 121-132	2.9	66
130	Gasification of rice straw in a fluidized-bed gasifier for syngas application in close-coupled boiler-gasifier systems. <i>Bioresource Technology</i> , 2012 , 109, 206-14	11	65
129	Nutrients and pharmaceuticals removal from wastewater by culture and harvesting of <i>Chlorella sorokiniana</i> . <i>Bioresource Technology</i> , 2015 , 185, 276-84	11	64
128	Elemental analysis for categorization of wines and authentication of their certified brand of origin. <i>Journal of Food Composition and Analysis</i> , 2011 , 24, 548-562	4.1	63
127	Application in fixed-bed systems of adsorbents obtained from sewage sludge and discarded tyres. <i>Dyes and Pigments</i> , 2007 , 72, 47-56	4.6	62
126	Spectroscopic characterization of dissolved organic matter isolated from rainwater. <i>Chemosphere</i> , 2009 , 74, 1053-61	8.4	58
125	Co-firing of coal and manure biomass: a TG-MS approach. <i>Bioresource Technology</i> , 2011 , 102, 8304-9	11	56
124	Enhancing anaerobic digestion of poultry blood using activated carbon. <i>Journal of Advanced Research</i> , 2017 , 8, 297-307	13	55
123	Heating process characteristics and kinetics of rice straw in different atmospheres. <i>Fuel Processing Technology</i> , 2004 , 85, 279-291	7.2	55
122	Producing adsorbents from sewage sludge and discarded tyres: Characterization and utilization for the removal of pollutants from water. <i>Chemical Engineering Journal</i> , 2005 , 114, 161-169	14.7	55
121	Comparative assessment of diclofenac removal from water by different microalgae strains. <i>Algal Research</i> , 2016 , 18, 127-134	5	54

120	Removal of low concentration Hg ²⁺ from natural waters by microporous and layered titanosilicates. <i>Microporous and Mesoporous Materials</i> , 2007 , 103, 325-332	5.3	54
119	Comparative characterization of humic substances from the open ocean, estuarine water and fresh water. <i>Organic Geochemistry</i> , 2009 , 40, 942-950	3.1	53
118	Waste-based alternative adsorbents for the remediation of pharmaceutical contaminated waters: Has a step forward already been taken?. <i>Bioresource Technology</i> , 2018 , 250, 888-901	11	53
117	Recent advances on the development and application of magnetic activated carbon and char for the removal of pharmaceutical compounds from waters: A review. <i>Science of the Total Environment</i> , 2020 , 718, 137272	10.2	52
116	Removal of heavy metals from aqueous solution by sewage sludge based sorbents: competitive effects. <i>Desalination</i> , 2009 , 239, 46-57	10.3	50
115	Digestion of cattle manure: thermogravimetric kinetic analysis for the evaluation of organic matter conversion. <i>Bioresource Technology</i> , 2011 , 102, 3404-10	11	46
114	Sludge from paper mill effluent treatment as raw material to produce carbon adsorbents: An alternative waste management strategy. <i>Journal of Environmental Management</i> , 2017 , 188, 203-211	7.9	44
113	Development of ELISA methodologies for the direct determination of 17 β -estradiol and 17 β -ethinylestradiol in complex aqueous matrices. <i>Journal of Environmental Management</i> , 2013 , 124, 121-7	7.9	43
112	Non-isothermal thermogravimetric analysis of the combustion of two different carbonaceous materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008 , 93, 619-626	4.1	43
111	Removal of fluoxetine from water by adsorbent materials produced from paper mill sludge. <i>Journal of Colloid and Interface Science</i> , 2015 , 448, 32-40	9.3	42
110	Low cost methodology for estrogens monitoring in water samples using dispersive liquid-liquid microextraction and HPLC with fluorescence detection. <i>Talanta</i> , 2013 , 115, 980-5	6.2	42
109	Fixed-bed removal of Hg ²⁺ from contaminated water by microporous titanosilicate ETS-4: Experimental and theoretical breakthrough curves. <i>Microporous and Mesoporous Materials</i> , 2011 , 145, 32-40	5.3	42
108	Anaerobic co-digestion of poultry blood with OFMSW: FTIR and TG-DTG study of process stabilization. <i>Environmental Technology (United Kingdom)</i> , 2009 , 30, 571-82	2.6	41
107	Upgrading sewage sludges for adsorbent preparation by different treatments. <i>Bioresource Technology</i> , 2001 , 80, 143-8	11	40
106	Photodegradation of sulfamethoxazole in environmental samples: The role of pH, organic matter and salinity. <i>Science of the Total Environment</i> , 2019 , 648, 1403-1410	10.2	39
105	Combustion of primary and secondary pulp mill sludge and their respective blends with coal: A thermogravimetric assessment. <i>Renewable Energy</i> , 2015 , 83, 1050-1058	8.1	38
104	Chemical composition of rainwater at a coastal town on the southwest of Europe: what changes in 20 years?. <i>Science of the Total Environment</i> , 2011 , 409, 3548-53	10.2	38
103	Adsorptive purification of phenol wastewaters: Experimental basis and operation of a parametric pumping unit. <i>Chemical Engineering Journal</i> , 2005 , 110, 101-111	14.7	38

102	Removal of Hg ²⁺ ions from aqueous solution by ETS-4 microporous titanosilicate. Kinetic and equilibrium studies. <i>Chemical Engineering Journal</i> , 2009 , 151, 247-254	14.7	37
101	Mercury removal with titanosilicate ETS-4: Batch experiments and modelling. <i>Microporous and Mesoporous Materials</i> , 2008 , 115, 98-105	5.3	37
100	Removal of pharmaceuticals from municipal wastewater by adsorption onto pyrolyzed pulp mill sludge. <i>Arabian Journal of Chemistry</i> , 2019 , 12, 3611-3620	5.9	37
99	Single and multi-component adsorption of psychiatric pharmaceuticals onto alternative and commercial carbons. <i>Journal of Environmental Management</i> , 2017 , 192, 15-24	7.9	36
98	Cadmium(II) removal from aqueous solution using microporous titanosilicate ETS-4. <i>Chemical Engineering Journal</i> , 2009 , 147, 173-179	14.7	36
97	Recovery of Vitamin B12 and cephalosporin-C from aqueous solutions by adsorption on non-ionic polymeric adsorbents. <i>Separation and Purification Technology</i> , 2004 , 38, 85-98	8.3	36
96	Anaerobic digestion of solid slaughterhouse waste: study of biological stabilization by Fourier Transform infrared spectroscopy and thermogravimetry combined with mass spectrometry. <i>Biodegradation</i> , 2010 , 21, 543-56	4.1	35
95	Production of highly efficient activated carbons from industrial wastes for the removal of pharmaceuticals from water-A full factorial design. <i>Journal of Hazardous Materials</i> , 2019 , 370, 212-218	12.8	35
94	Comparative valorisation of agricultural and industrial biowastes by combustion and pyrolysis. <i>Bioresource Technology</i> , 2016 , 218, 918-25	11	34
93	Removal of Arsenic from Aqueous Solutions by Sorption onto Sewage Sludge-Based Sorbent. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 2311-2321	2.6	33
92	Priority pollutants (Hg ²⁺ and Cd ²⁺) removal from water by ETS-4 titanosilicate. <i>Desalination</i> , 2009 , 249, 742-747	10.3	33
91	Fluorescence and DOC contents of estuarine pore waters from colonized and non-colonized sediments: effects of sampling preservation. <i>Chemosphere</i> , 2007 , 67, 211-20	8.4	31
90	Oxygenated functionalities enriched MWCNTs decorated with silica coated spinel ferrite (A) nanocomposite for potentially rapid and efficient de-colorization of aquatic environment. <i>Journal of Molecular Liquids</i> , 2020 , 317, 113916	6	30
89	Effect of pH and temperature on Hg ²⁺ water decontamination using ETS-4 titanosilicate. <i>Journal of Hazardous Materials</i> , 2010 , 175, 439-44	12.8	29
88	Obtaining granular activated carbon from paper mill sludge - A challenge for application in the removal of pharmaceuticals from wastewater. <i>Science of the Total Environment</i> , 2019 , 653, 393-400	10.2	29
87	Feasibility of anaerobic co-digestion of poultry blood with maize residues. <i>Bioresource Technology</i> , 2013 , 144, 513-20	11	28
86	Thermogravimetric analysis of biowastes during combustion. <i>Waste Management</i> , 2010 , 30, 1183-7	8.6	28
85	Separation of synthetic vanillin at different pH onto polymeric adsorbent Sephabeads SP206. <i>Chemical Engineering and Processing: Process Intensification</i> , 2006 , 45, 598-607	3.7	28

84	Zebrafish embryo bioassays for a comprehensive evaluation of microalgae efficiency in the removal of diclofenac from water. <i>Science of the Total Environment</i> , 2018 , 640-641, 1024-1033	10.2	27
83	Fixed-Bed Adsorption of Salicylic Acid onto Polymeric Adsorbents and Activated Charcoal. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 927-936	3.9	27
82	Comparison of the culture and harvesting of <i>Chlorella vulgaris</i> and <i>Tetradesmus obliquus</i> for the removal of pharmaceuticals from water. <i>Journal of Applied Phycology</i> , 2017 , 29, 1179-1193	3.2	26
81	Removal of Rhodamine B from Water Using a Solvent Impregnated Polymeric Dowex 5WX8 Resin: Statistical Optimization and Batch Adsorption Studies. <i>Polymers</i> , 2020 , 12,	4.5	25
80	Spectroscopic changes on fulvic acids from a kraft pulp mill effluent caused by sun irradiation. <i>Chemosphere</i> , 2008 , 73, 1845-52	8.4	25
79	Treatment of dairy industry wastewater by oxygen injection: performance and outlay parameters from the full scale implementation. <i>Journal of Cleaner Production</i> , 2015 , 86, 15-23	10.3	24
78	Effect of pH on cadmium (II) removal from aqueous solution using titanosilicate ETS-4. <i>Chemical Engineering Journal</i> , 2009 , 155, 728-735	14.7	24
77	Evaluation of an interlaboratory proficiency-testing exercise for total mercury in environmental samples of soils, sediments and fish tissue. <i>TrAC - Trends in Analytical Chemistry</i> , 2008 , 27, 959-970	14.6	24
76	Application of dispersive liquid-liquid microextraction for estrogens quantification by enzyme-linked immunosorbent assay. <i>Talanta</i> , 2014 , 125, 102-6	6.2	23
75	Adsorption of pharmaceuticals from biologically treated municipal wastewater using paper mill sludge-based activated carbon. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 13173-13184	5.1	22
74	Paper pulp-based adsorbents for the removal of pharmaceuticals from wastewater: A novel approach towards diversification. <i>Science of the Total Environment</i> , 2018 , 631-632, 1018-1028	10.2	22
73	Effect of natural aquatic humic substances on the photodegradation of estrone. <i>Chemosphere</i> , 2016 , 145, 249-55	8.4	22
72	Cadmium(II) removal from aqueous solution using microporous titanosilicate ETS-10. <i>Chemical Engineering Journal</i> , 2009 , 155, 108-114	14.7	22
71	Phenolic wastewaters purification by thermal parametric pumping: modeling and pilot-scale experiments. <i>Water Research</i> , 2005 , 39, 3467-78	12.5	22
70	Evaluation of the anthropogenic input of caffeine in surface waters of the north and center of Portugal by ELISA. <i>Science of the Total Environment</i> , 2014 , 479-480, 227-32	10.2	21
69	Uptake of Hg ²⁺ from aqueous solutions by microporous titano- and zircono-silicates. <i>Quimica Nova</i> , 2008 , 31, 321-325	1.6	21
68	Utilization of Non-Living Microalgae Biomass from Two Different Strains for the Adsorptive Removal of Diclofenac from Water. <i>Water (Switzerland)</i> , 2018 , 10, 1401	3	21
67	Valorization of Microalgae Biomass by Its Use for the Removal of Paracetamol from Contaminated Water. <i>Water (Switzerland)</i> , 2017 , 9, 312	3	20

66	Effect of the surface functionalization of a waste-derived activated carbon on pharmaceuticals adsorption from water. <i>Journal of Molecular Liquids</i> , 2020 , 299, 112098	6	20
65	Photosensitized Degradation of 17 β -estradiol and 17 β -ethinylestradiol: Role of Humic Substances Fractions. <i>Journal of Environmental Quality</i> , 2016 , 45, 693-700	3.4	20
64	Photodegradation behaviour of estriol: An insight on natural aquatic organic matter influence. <i>Chemosphere</i> , 2016 , 159, 545-551	8.4	19
63	Comparison between DAX-8 and C-18 solid phase extraction of rainwater dissolved organic matter. <i>Talanta</i> , 2010 , 83, 505-12	6.2	19
62	Simultaneous thermogravimetric-mass spectrometric study on the co-combustion of coal and sewage sludges. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006 , 86, 489-495	4.1	18
61	Fixed-bed performance of a waste-derived granular activated carbon for the removal of micropollutants from municipal wastewater. <i>Science of the Total Environment</i> , 2019 , 683, 699-708	10.2	17
60	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. <i>Aquacultural Engineering</i> , 2016 , 74, 76-83	3	17
59	Acetaminophen Removal from Water by Microalgae and Effluent Toxicity Assessment by the Zebrafish Embryo Bioassay. <i>Water (Switzerland)</i> , 2019 , 11, 1929	3	16
58	Effects of solar radiation on the fluorescence properties and molecular weight of fulvic acids from pulp mill effluents. <i>Chemosphere</i> , 2008 , 71, 1539-46	8.4	16
57	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. <i>Journal of Hazardous Materials</i> , 2020 , 385, 121523	12.8	16
56	Dispersive liquid-liquid microextraction for the quantification of venlafaxine in environmental waters. <i>Journal of Environmental Management</i> , 2018 , 217, 71-77	7.9	15
55	Application of pyrolysed agricultural biowastes as adsorbents for fish anaesthetic (MS-222) removal from water. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015 , 112, 313-324	6	15
54	Daily and inter-tidal variations of Fe, Mn and Hg in the water column of a contaminated salt marsh: Halophytes effect. <i>Estuarine, Coastal and Shelf Science</i> , 2010 , 88, 91-98	2.9	15
53	Comparative Thermogravimetric Assessment on the Combustion of Coal, Microalgae Biomass and Their Blend. <i>Energies</i> , 2019 , 12, 2962	3.1	14
52	Removal of tricaine methanesulfonate from aquaculture wastewater by adsorption onto pyrolysed paper mill sludge. <i>Chemosphere</i> , 2017 , 168, 139-146	8.4	14
51	Selection of native freshwater microalgae and cyanobacteria for CO ₂ biofixation. <i>Environmental Technology (United Kingdom)</i> , 2013 , 34, 3137-43	2.6	14
50	Fixed-bed adsorption of Tricaine Methanesulfonate onto pyrolysed paper mill sludge. <i>Aquacultural Engineering</i> , 2017 , 77, 53-60	3	13
49	Green Microalgae Utilization for the Adsorptive Removal of Nonsteroidal Anti-Inflammatory Drugs (NSAIDs) from Water Samples. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	13

48	Effect of waste organic amendments on <i>Populus sp</i> biomass production and thermal characteristics. <i>Renewable Energy</i> , 2016 , 94, 166-174	8.1	13
47	Mercury partition in the interface between a contaminated lagoon and the ocean: the role of particulate load and composition. <i>Marine Pollution Bulletin</i> , 2010 , 60, 1658-66	6.7	13
46	Water decontamination using bio-based, chemically functionalized, doped, and ionic liquid-enhanced adsorbents: review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 3075-3114	13.3	13
45	Monitoring pharmaceuticals in the aquatic environment using enzyme-linked immunosorbent assay (ELISA)-a practical overview. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 3983-4008	4.4	12
44	In situ functionalization of a cellulosic-based activated carbon with magnetic iron oxides for the removal of carbamazepine from wastewater. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 18314-18327	5.1	12
43	Adsorption Separation of Analgesic Pharmaceuticals from Ultrapure and Waste Water: Batch Studies Using a Polymeric Resin and an Activated Carbon. <i>Polymers</i> , 2018 , 10,	4.5	12
42	Emissions from residential pellet combustion of an invasive acacia species. <i>Renewable Energy</i> , 2019 , 140, 319-329	8.1	11
41	Removal of tetracyclines from swine manure at full-scale activated sludge treatment plants. <i>Environmental Technology (United Kingdom)</i> , 2015 , 36, 1966-73	2.6	11
40	Molecular fluorescence analysis of rainwater: effects of sample preservation. <i>Talanta</i> , 2010 , 82, 1616-216.2		11
39	Stable carbon isotope ratios of tandem fractionated humic substances from different water bodies. <i>Organic Geochemistry</i> , 2007 , 38, 957-966	3.1	11
38	Smart Adsorbents for Aquatic Environmental Remediation. <i>Small</i> , 2021 , 17, e2007840	11	11
37	Optimizing microwave-assisted production of waste-based activated carbons for the removal of antibiotics from water. <i>Science of the Total Environment</i> , 2021 , 752, 141662	10.2	11
36	<i>Chlorella sorokiniana</i> thermogravimetric analysis and combustion characteristic indexes estimation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 131, 3139-3149	4.1	10
35	Biochar-TiO magnetic nanocomposites for photocatalytic solar-driven removal of antibiotics from aquaculture effluents. <i>Journal of Environmental Management</i> , 2021 , 294, 112937	7.9	10
34	Photodegradation of sulfadiazine in different aquatic environments - Evaluation of influencing factors. <i>Environmental Research</i> , 2020 , 188, 109730	7.9	9
33	Core-Shell Molecularly Imprinted Polymers on Magnetic Yeast for the Removal of Sulfamethoxazole from Water. <i>Polymers</i> , 2020 , 12,	4.5	9
32	The effects of changes to estuarine hydrology on system phosphorous retention capacity: The Mondego estuary, Portugal. <i>Estuarine, Coastal and Shelf Science</i> , 2012 , 99, 85-94	2.9	9
31	Upcycling olive oil cake through wet torrefaction to produce hydrochar for water decontamination. <i>Chemical Engineering Research and Design</i> , 2021 , 170, 13-22	5.5	9

30	Thermal Valorization of Pulp Mill Sludge by Co-processing with Coal. <i>Waste and Biomass Valorization</i> , 2016 , 7, 995-1006	3.2	8
29	Kinetics of the PO ₄ -P adsorption onto soils and sediments from the Mondego estuary (Portugal). <i>Marine Pollution Bulletin</i> , 2013 , 77, 361-6	6.7	8
28	Salicylic Acid Adsorption onto Sephadex SP206 in View of its Purification by Thermal Parametric Pumping. <i>Adsorption</i> , 2005 , 11, 887-892	2.6	8
27	Effects of thiol functionalization of a waste-derived activated carbon on the adsorption of sulfamethoxazole from water: Kinetic, equilibrium and thermodynamic studies. <i>Journal of Molecular Liquids</i> , 2021 , 323, 115003	6	8
26	An experimental investigation of sewage sludge gasification in a fluidized bed reactor. <i>Scientific World Journal, The</i> , 2013 , 2013, 479403	2.2	7
25	Idle time in the washing and iron concentration in leachate removed: two basic parameters in the desulphurization of coal in a packed column. <i>Applied Microbiology and Biotechnology</i> , 2001 , 55, 49-54	5.7	7
24	Simultaneous thermogravimetric and mass spectrometric monitoring of the pyrolysis, gasification and combustion of rice straw. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 121, 603-611	4.1	6
23	Producing Magnetic Nanocomposites from Paper Sludge for the Adsorptive Removal of Pharmaceuticals from Water-A Fractional Factorial Design. <i>Nanomaterials</i> , 2021 , 11,	5.4	6
22	Soil properties, phosphorus fractions and sorption after wildfire in north-central Portugal. <i>Geoderma Regional</i> , 2015 , 5, 86-95	2.7	5
21	Effect of Applying Organic Amendments on the Pyrolytic Behavior of a Poplar Energy Crop. <i>Waste and Biomass Valorization</i> , 2018 , 9, 1435-1449	3.2	5
20	Solid-Phase Extraction for the Determination of Dimethoate in Environmental Water and Soil Samples by Micellar Electrokinetic Capillary Chromatography (MEKC). <i>Journal of Liquid Chromatography and Related Technologies</i> , 2003 , 26, 545-557	1.3	5
19	Adsorption equilibrium of polar/non-polar mixtures on MCM-41: experiments and Monte Carlo simulation. <i>Studies in Surface Science and Catalysis</i> , 2002 , 144, 685-692	1.8	5
18	Biofloculants Produced by Bacterial Strains Isolated from Palm Oil Mill Effluent for Application in the Removal of Eriochrome Black T Dye from Water. <i>Polymers</i> , 2020 , 12,	4.5	5
17	Thermogravimetric analysis of the co-pyrolysis of a bituminous coal and pulp mill sludge. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 122, 1385-1394	4.1	4
16	Oxolinic acid in aquaculture waters: Can natural attenuation through photodegradation decrease its concentration?. <i>Science of the Total Environment</i> , 2020 , 749, 141661	10.2	4
15	Sulfamethoxazole exposure to simulated solar radiation under continuous flow mode: Degradation and antibacterial activity. <i>Chemosphere</i> , 2020 , 238, 124613	8.4	4
14	Treatment of Dairy Wastewater by Oxygen Injection: Occurrence and Removal Efficiency of a Benzotriazole Based Anticorrosive. <i>Water (Switzerland)</i> , 2018 , 10, 155	3	4
13	Sustainable and recoverable waste-based magnetic nanocomposites used for the removal of pharmaceuticals from wastewater. <i>Chemical Engineering Journal</i> , 2021 , 426, 129974	14.7	4

12	Adsorptive removal of diclofenac from ultrapure and wastewater: a comparative assessment on the performance of a polymeric resin and activated carbons. <i>Desalination and Water Treatment</i> , 2016 , 1-10		3
11	Kinetic Studies on the Catalytic Degradation of Rhodamine B by Hydrogen Peroxide: Effect of Surfactant Coated and Non-Coated Iron (III) Oxide Nanoparticles. <i>Polymers</i> , 2020 , 12,	4.5	3
10	A continuous process for the production of a fabric reinforced polymeric matrix. <i>Journal of Reinforced Plastics and Composites</i> , 2015 , 34, 1662-1672	2.9	2
9	Photobleaching of lignin derived compounds from pulp mill effluents upon irradiation: the key role of receiving waters. <i>Environmental Pollution</i> , 2013 , 182, 486-9	9.3	2
8	Fluorescence characterization of daily and intertidal changes in estuarine water DOM related to the presence of <i>Sarcocornia perennis</i> (L.) A.J. Scott. <i>Organic Geochemistry</i> , 2010 , 41, 734-741	3.1	2
7	Assessment of cationic dye biosorption onto anaerobic digested sludge: Spectroscopic characterization. <i>Environmental Progress and Sustainable Energy</i> , 2016 , 35, 1330-1337	2.5	2
6	Overview of relevant economic and environmental aspects of waste-based activated carbons aimed at adsorptive water treatments. <i>Journal of Cleaner Production</i> , 2022 , 344, 130984	10.3	2
5	Removal of Mercury From Aqueous Solutions by ETS-4 Microporous Titanosilicate: Effect of Contact Time, Titanosilicate Mass and Initial Metal Concentration 2007 , 1019		1
4	Photodegradation of Aquaculture Antibiotics Using Carbon Dots-TiO Nanocomposites.. <i>Toxics</i> , 2021 , 9,	4.7	1
3	Removal of strontium by high-performance adsorbents <i>Saccharomyces cerevisiae</i> -Fe ₃ O ₄ bio-microcomposites. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020 , 326, 525-535	1.5	1
2	Multivariable optimization of activated carbon production from microwave pyrolysis of brewery wastes - Application in the removal of antibiotics from water.. <i>Journal of Hazardous Materials</i> , 2022 , 431, 128556	12.8	1
1	Sulfadiazine's photodegradation using a novel magnetic and reusable carbon based photocatalyst: Photocatalytic efficiency and toxic impacts to marine bivalves.. <i>Journal of Environmental Management</i> , 2022 , 313, 115030	7.9	0