

# Francesca Pagnanelli

## List of Publications by Year in descending order

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128  
papers

5,035  
citations

70961

41  
h-index

98622

67  
g-index

129  
all docs

129  
docs citations

129  
times ranked

4806  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosorption of Metal Ions on <i>Arthro bacter</i> sp.: Biomass Characterization and Biosorption Modeling. <i>Environmental Science &amp; Technology</i> , 2000, 34, 2773-2778.	4.6	290
2	Heavy metal removal by olive pomace: biosorbent characterisation and equilibrium modelling. <i>Chemical Engineering Science</i> , 2003, 58, 4709-4717.	1.9	270
3	Biosorption of heavy metals by <i>Sphaerotilus natans</i> : an equilibrium study at different pH and biomass concentrations. <i>Hydrometallurgy</i> , 2001, 60, 129-141.	1.8	263
4	pH-related equilibria models for biosorption in single metal systems. <i>Chemical Engineering Science</i> , 2002, 57, 307-313.	1.9	207
5	Metal speciation and pH effect on Pb, Cu, Zn and Cd biosorption onto <i>Sphaerotilus natans</i> : Langmuir-type empirical model. <i>Water Research</i> , 2003, 37, 627-633.	5.3	195
6	Product recovery from Li-ion battery wastes coming from an industrial pre-treatment plant: Lab scale tests and process simulations. <i>Journal of Power Sources</i> , 2012, 206, 393-401.	4.0	146
7	Cobalt products from real waste fractions of end of life lithium ion batteries. <i>Waste Management</i> , 2016, 51, 214-221.	3.7	124
8	Simultaneous recycling of nickel metal hydride, lithium ion and primary lithium batteries: Accomplishment of European Guidelines by optimizing mechanical pre-treatment and solvent extraction operations. <i>Journal of Power Sources</i> , 2012, 212, 205-211.	4.0	123
9	Recycling of end of life photovoltaic panels: A chemical prospective on process development. <i>Solar Energy</i> , 2019, 177, 746-761.	2.9	109
10	Selective recovery of cobalt from mixed lithium ion battery wastes using deep eutectic solvent. <i>Chemical Engineering Journal</i> , 2021, 417, 129249.	6.6	108
11	Acid reducing leaching of cathodic powder from spent lithium ion batteries: Glucose oxidative pathways and particle area evolution. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 3201-3207.	2.9	107
12	Physical and chemical treatment of end of life panels: An integrated automatic approach viable for different photovoltaic technologies. <i>Waste Management</i> , 2017, 59, 422-431.	3.7	95
13	Olive mill solid residues as heavy metal sorbent material: a preliminary study. <i>Waste Management</i> , 2002, 22, 901-907.	3.7	89
14	Equilibrium biosorption studies in single and multi-metal systems. <i>Process Biochemistry</i> , 2001, 37, 115-124.	1.8	88
15	Multi-metallic modelling for biosorption of binary systems. <i>Water Research</i> , 2002, 36, 4095-4105.	5.3	86
16	Mechanisms of heavy-metal removal by activated sludge. <i>Chemosphere</i> , 2009, 75, 1028-1034.	4.2	83
17	Shrinking core model with variable activation energy: a kinetic model of manganiferous ore leaching with sulphuric acid and lactose. <i>Hydrometallurgy</i> , 2001, 60, 167-179.	1.8	79
18	Biotreatment and bioassessment of heavy metal removal by sulphate reducing bacteria in fixed bed reactors. <i>Water Research</i> , 2010, 44, 151-158.	5.3	77

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19	Ionic strength effect on copper biosorption by <i>Sphaerotilus natans</i> : equilibrium study and dynamic modelling in membrane reactor. <i>Water Research</i> , 2006, 40, 144-152.	5.3	72
20	Closed-loop hydrometallurgical treatment of end-of-life lithium ion batteries: Towards zero-waste process and metal recycling in advanced batteries. <i>Journal of Energy Chemistry</i> , 2019, 35, 220-227.	7.1	72
21	Chemical treatment of olive pomace: Effect on acid-basic properties and metal biosorption capacity. <i>Journal of Hazardous Materials</i> , 2008, 156, 448-457.	6.5	69
22	Biosorption of copper by <i>Sphaerotilus natans</i> immobilised in polysulfone matrix: equilibrium and kinetic analysis. <i>Hydrometallurgy</i> , 2003, 70, 101-112.	1.8	68
23	Reductive acid leaching of manganese dioxide with glucose: Identification of oxidation derivatives of glucose. <i>Hydrometallurgy</i> , 2006, 81, 234-240.	1.8	67
24	Leaching of electrodic powders from lithium ion batteries: Optimization of operating conditions and effect of physical pretreatment for waste fraction retrieval. <i>Waste Management</i> , 2017, 60, 706-715.	3.7	67
25	New biosorbent materials for heavy metal removal: Product development guided by active site characterization. <i>Water Research</i> , 2008, 42, 2953-2962.	5.3	64
26	Isolation and quantification of cadmium removal mechanisms in batch reactors inoculated by sulphate reducing bacteria: Biosorption versus bioprecipitation. <i>Bioresource Technology</i> , 2010, 101, 2981-2987.	4.8	62
27	Leaching of low-grade manganese ores by using nitric acid and glucose: optimization of the operating conditions. <i>Hydrometallurgy</i> , 2004, 75, 157-167.	1.8	57
28	Biosorption of protons and heavy metals onto olive pomace: Modelling of competition effects. <i>Water Research</i> , 2005, 39, 1639-1651.	5.3	57
29	Preparation and characterisation of chemical manganese dioxide: Effect of the operating conditions. <i>Journal of Power Sources</i> , 2007, 166, 567-577.	4.0	50
30	Biotreatment of Cr(VI) contaminated waters by sulphate reducing bacteria fed with ethanol. <i>Journal of Hazardous Materials</i> , 2012, 199-200, 186-192.	6.5	49
31	Integrated biomass production and biodegradation of olive mill wastewater by cultivation of <i>Scenedesmus</i> sp.. <i>Algal Research</i> , 2015, 9, 306-311.	2.4	49
32	Study of the synthesis of copper nanoparticles: the role of capping and kinetic towards control of particle size and stability. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	49
33	Modelling of the acid-base properties of natural and synthetic adsorbent materials used for heavy metal removal from aqueous solutions. <i>Chemosphere</i> , 2004, 54, 905-915.	4.2	48
34	Electrochemical nucleation and three-dimensional growth of metal nanoparticles under mixed kinetic-diffusion control: model development and validation. <i>Electrochimica Acta</i> , 2016, 206, 116-126.	2.6	48
35	Mixotrophic growth of <i>Chlorella vulgaris</i> and <i>Nannochloropsis oculata</i> : interaction between glucose and nitrate. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 652-661.	1.6	47
36	Preliminary screening of purification processes of liquor leach solutions obtained from reductive leaching of low-grade manganese ores. <i>Hydrometallurgy</i> , 2004, 71, 319-327.	1.8	46

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37	Full recycling of spent lithium ion batteries with production of core-shell nanowires//exfoliated graphite asymmetric supercapacitor. <i>Journal of Energy Chemistry</i> , 2021, 58, 336-344.	7.1	46
38	Recovery of manganese from zinc alkaline batteries by reductive acid leaching using carbohydrates as reductant. <i>Hydrometallurgy</i> , 2009, 99, 115-118.	1.8	42
39	Adsorption onto activated carbon for molybdenum recovery from leach liquors of exhausted hydrotreating catalysts. <i>Hydrometallurgy</i> , 2011, 110, 67-72.	1.8	42
40	Pulsed electrodeposition of cobalt nanoparticles on copper: influence of the operating parameters on size distribution and morphology. <i>Electrochimica Acta</i> , 2015, 155, 228-235.	2.6	42
41	Morphology-controlled synthesis of cobalt nanostructures by facile electrodeposition: transition from hexagonal nanoplatelets to nanoflakes. <i>Electrochimica Acta</i> , 2016, 220, 405-416.	2.6	42
42	Assessment of solid reactive mixtures for the development of biological permeable reactive barriers. <i>Journal of Hazardous Materials</i> , 2009, 170, 998-1005.	6.5	40
43	Micellar Enhanced Ultrafiltration for Arsenic(V) Removal: Effect of Main Operating Conditions and Dynamic Modelling. <i>Environmental Science &amp; Technology</i> , 2006, 40, 2746-2752.	4.6	39
44	Treatment of concentrated arsenic(V) solutions by micellar enhanced ultrafiltration with high molecular weight cut-off membrane. <i>Journal of Hazardous Materials</i> , 2007, 148, 116-121.	6.5	38
45	Integrated microalgae biomass production and olive mill wastewater biodegradation: Optimization of the wastewater supply strategy. <i>Chemical Engineering Journal</i> , 2018, 349, 539-546.	6.6	37
46	Two-layer shrinking-core model: parameter estimation for the reaction order in leaching processes. <i>Chemical Engineering Journal</i> , 2002, 90, 231-240.	6.6	36
47	Production of an iron-coated adsorbent for arsenic removal by hydrothermal carbonization of olive pomace: Effect of the feedwater pH. <i>Journal of Environmental Management</i> , 2020, 273, 111164.	3.8	36
48	Toxic elements at a disused mine district: Particle size distribution and total concentration in stream sediments and mine tailings. <i>Journal of Hazardous Materials</i> , 2007, 148, 409-418.	6.5	34
49	Development of new composite biosorbents from olive pomace wastes. <i>Applied Surface Science</i> , 2010, 256, 5492-5497.	3.1	34
50	Electrodeposition of cobalt nanowires into alumina templates generated by one-step anodization. <i>Electrochimica Acta</i> , 2018, 259, 711-722.	2.6	33
51	Automobile shredded residue valorisation by hydrometallurgical metal recovery. <i>Journal of Hazardous Materials</i> , 2011, 185, 44-48.	6.5	32
52	Selective precipitation of metals from synthetic spent refinery catalyst leach liquor with biogenic H <sub>2</sub> S produced in a lactate-fed anaerobic baffled reactor. <i>Hydrometallurgy</i> , 2013, 139, 154-161.	1.8	31
53	Biosorption-mediated reduction of Cr(VI) using heterotrophically-grown <i>Chlorella vulgaris</i> : Active sites and ionic strength effect. <i>Chemical Engineering Journal</i> , 2013, 231, 94-102.	6.6	28
54	The influence of phenols extracted from olive mill wastewater on the heterotrophic and mixotrophic growth of <i>Scenedesmus</i> sp.. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 3619-3626.	1.6	27

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55	Extraction of Carotenoids and Fat-Soluble Vitamins from <i>Tetradismus Obliquus</i> Microalgae: An Optimized Approach by Using Supercritical CO <sub>2</sub> . <i>Molecules</i> , 2019, 24, 2581.	1.7	27
56	Heterotrophic cultivation of <i>T. obliquus</i> under non-axenic conditions by uncoupled supply of nitrogen and glucose. <i>Biochemical Engineering Journal</i> , 2019, 145, 127-136.	1.8	27
57	Electrochemical synthesis of nanowire anodes from spent lithium ion batteries. <i>Electrochimica Acta</i> , 2019, 319, 481-489.	2.6	25
58	Modeling of Copper Biosorption by <i>Arthrobacter</i> sp. in a UF/MF Membrane Reactor. <i>Environmental Science &amp; Technology</i> , 2001, 35, 3048-3054.	4.6	23
59	Non-electrostatic surface complexation models for protons and lead(II) sorption onto single minerals and their mixture. <i>Chemosphere</i> , 2006, 63, 1063-1073.	4.2	23
60	Electrochemical nucleation and three-dimensional growth under mixed kinetic-diffusion control: analytical approximation of the current transient. <i>Electrochimica Acta</i> , 2016, 205, 113-117.	2.6	23
61	Recycling of solar photovoltaic panels: Techno-economic assessment in waste management perspective. <i>Journal of Cleaner Production</i> , 2022, 363, 132384.	4.6	23
62	Sequential extraction of lutein and $\beta$ -carotene from wet microalgal biomass. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 3024-3033.	1.6	22
63	Biosorption of binary heavy metal systems onto <i>Sphaerotilus natans</i> cells confined in an UF/MF membrane reactor: dynamic simulations by different Langmuir-type competitive models. <i>Water Research</i> , 2004, 38, 1055-1061.	5.3	20
64	Solvent versus thermal treatment for glass recovery from end of life photovoltaic panels: Environmental and economic assessment. <i>Journal of Environmental Management</i> , 2019, 248, 109313.	3.8	20
65	Use of natural materials for the inhibition of iron oxidizing bacteria involved in the generation of acid mine drainage. <i>Hydrometallurgy</i> , 2007, 87, 27-35.	1.8	19
66	Effect of Ca <sup>2+</sup> concentration on <i>Scenedesmus</i> sp. growth in heterotrophic and photoautotrophic cultivation. <i>New Biotechnology</i> , 2018, 40, 228-235.	2.4	19
67	Quantification of <i>Tetradismus obliquus</i> (Chlorophyceae) cell size and lipid content heterogeneity at single-cell level. <i>Journal of Phycology</i> , 2018, 54, 187-197.	1.0	19
68	Multivariate modeling for microalgae growth in outdoor photobioreactors. <i>Algal Research</i> , 2020, 45, 101663.	2.4	19
69	Microalgae cultivation by uncoupled nutrient supply in sequencing batch reactor (SBR) integrated with olive mill wastewater treatment. <i>Chemical Engineering Journal</i> , 2021, 410, 128417.	6.6	19
70	Optimisation and validation of mechanistic models for heavy metal bio-sorption onto a natural biomass. <i>Hydrometallurgy</i> , 2005, 80, 107-125.	1.8	18
71	A versatile electrochemical method to synthesize Co-CoO core-shell nanowires anodes for lithium ion batteries with superior stability and rate capability. <i>Electrochimica Acta</i> , 2018, 290, 347-355.	2.6	18
72	Electrodeposition of cobalt nanoparticles: An analysis of the mechanisms behind the deviation from three-dimensional diffusion-control. <i>Journal of Electroanalytical Chemistry</i> , 2019, 851, 113413.	1.9	18

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73	Optimizing the structure of Ni@Ni(OH) <sub>2</sub> /NiO core-shell nanowire electrodes for application in pseudocapacitors: The influence of metallic core, Ni(OH) <sub>2</sub> /NiO ratio and nanowire length. <i>Journal of Alloys and Compounds</i> , 2021, 856, 157718.	2.8	18
74	Continuous biosorption of copper and lead in single and binary systems using <i>Sphaerotilus natans</i> cells confined by a membrane: experimental validation of dynamic models. <i>Hydrometallurgy</i> , 2005, 76, 73-85.	1.8	17
75	Mechanistic modelling of copper biosorption by wild type and engineered <i>Saccharomyces cerevisiae</i> biomasses. <i>Chemical Engineering Journal</i> , 2014, 244, 561-568.	6.6	16
76	Effect of surfactant/water ratio and reagents concentration on size distribution of manganese carbonate nanoparticles synthesized by microemulsion mediated route. <i>Applied Surface Science</i> , 2015, 331, 463-471.	3.1	16
77	Effect of equilibrium models in the simulation of heavy metal biosorption in single and two-stage UF/MF membrane reactor systems. <i>Biochemical Engineering Journal</i> , 2003, 15, 27-35.	1.8	15
78	Upcycling Real Waste Mixed Lithium-Ion Batteries by Simultaneous Production of rGO and Lithium-Manganese-Rich Cathode Material. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 13303-13311.	3.2	15
79	Two-Dimensional Restructuring of Cu <sub>2</sub> O Can Improve the Performance of Nanosized n-TiO <sub>2</sub> /p-Cu <sub>2</sub> O Photoelectrodes under UV-Visible Light. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 47932-47944.	4.0	14
80	Two-phase synthesis of Fe-loaded hydrochar for As removal: The distinct effects of initial pH, reaction time and Fe/hydrochar ratio. <i>Journal of Environmental Management</i> , 2022, 302, 114058.	3.8	14
81	A closed-form solution of population-balance models for the dissolution of polydisperse mixtures. <i>Chemical Engineering Journal</i> , 2002, 87, 275-284.	6.6	13
82	Development and Techno-Economic Analysis of an Advanced Recycling Process for Photovoltaic Panels Enabling Polymer Separation and Recovery of Ag and Si. <i>Energies</i> , 2020, 13, 6690.	1.6	13
83	Nucleation and growth of metal nanoparticles on a planar electrode: A new model based on iso-nucleation-time classes of particles. <i>Electrochimica Acta</i> , 2019, 296, 82-93.	2.6	12
84	Control of bacterial contamination in microalgae cultures integrated with wastewater treatment by applying feast and famine conditions. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108262.	3.3	12
85	Mechanistic modeling of heavy metal biosorption in batch and membrane reactor systems. <i>Hydrometallurgy</i> , 2003, 71, 201-208.	1.8	11
86	Structural modelling for the dissolution of non-porous ores: dissolution with sporulation. <i>Chemical Engineering Journal</i> , 2004, 99, 89-104.	6.6	11
87	Bioassessment of a combined chemical-biological treatment for synthetic acid mine drainage. <i>Journal of Hazardous Materials</i> , 2008, 159, 567-573.	6.5	11
88	Synthesis of MnCO <sub>3</sub> nanoparticles by microemulsions: statistical evaluation of the effects of operating conditions on particle size distribution. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	11
89	Photovoltaic panel recycling: from type-selective processes to flexible apparatus for simultaneous treatment of different types. <i>Institutions of Mining and Metallurgy Transactions Section C: Mineral Processing and Extractive Metallurgy</i> , 2016, 125, 221-227.	0.6	11
90	Copper and cadmium biosorption onto <i>Sphaerotilus natans</i> : application and discrimination of commonly used adsorption models. <i>Separation Science and Technology</i> , 2002, 37, 677-699.	1.3	10

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91	Heavy metal biosorption in binary systems: simulation in single- and two-stage UF/MF membrane reactors. <i>Hydrometallurgy</i> , 2002, 66, 107-115.	1.8	10
92	Theoretical and Experimental Analysis of the Role of Sludge Age on the Removal of Adsorbed Micropollutants in Activated Sludge Processes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 6775-6782.	1.8	10
93	Manganese ferrite nanoparticle production from industrial wastes as sorbent material for arsenic removal from aqueous solutions. <i>Particulate Science and Technology</i> , 2020, 38, 433-442.	1.1	10
94	New strategies enhancing feasibility of microalgal cultivations. <i>Studies in Surface Science and Catalysis</i> , 2020, 179, 287-316.	1.5	10
95	Sustainable Bioactive Packaging Based on Thermoplastic Starch and Microalgae. <i>International Journal of Molecular Sciences</i> , 2022, 23, 178.	1.8	10
96	Equilibrium, Kinetic and Dynamic Modelling of Biosorption Processes. , 2011, , 59-120.		9
97	Metal recovery from end-of-life hydrotreating catalysts by selective precipitation: Laboratory tests and preliminary process analysis. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 703-712.	1.3	9
98	Valorization of polymeric fractions and metals from end of life photovoltaic panels. <i>Waste Management</i> , 2021, 122, 89-99.	3.7	9
99	Extraction of microalgal starch and pigments by using different cell disruption methods and aqueous two-phase system. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 67-78.	1.6	9
100	Copper biosorption by <i>Sphaerotilus natans</i> confined in UF membrane module: experimental study and kinetic modeling. <i>Hydrometallurgy</i> , 2004, 72, 21-30.	1.8	8
101	Two electrodeposition strategies for the morphology-controlled synthesis of cobalt nanostructures. , 2018, , .		7
102	Production of microalgae biomass in a continuous stirred bioreactor: Analysis of microalgae-bacteria competition mediated by nitrogen and organic carbon. <i>Chemical Engineering Science</i> , 2022, 260, 117826.	1.9	7
103	Shape evolution and effect of organic additives in the electrosynthesis of Cu nanostructures. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 2723-2735.	1.2	6
104	Magnetic force microscopy characterization of core-shell cobalt-oxide/hydroxide nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 516, 167299.	1.0	5
105	Extracellular and intracellular phenol production by microalgae during photoautotrophic batch cultivation. <i>New Biotechnology</i> , 2021, 62, 1-9.	2.4	5
106	Electrodeposited Copper Nanocatalysts for CO <sub>2</sub> Electroreduction: Effect of Electrodeposition Conditions on Catalysts' Morphology and Selectivity. <i>Energies</i> , 2021, 14, 5012.	1.6	5
107	Proton Binding onto Soil by Nonelectrostatic Models: Isolation and Identification of Mineral Contributions. <i>Environmental Science &amp; Technology</i> , 2004, 38, 5443-5449.	4.6	4
108	Ti/TiO <sub>2</sub> /Cu <sub>2</sub> O electrodes for photocatalytic applications: Synthesis and characterization. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	4



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109	Recovery of nanoferrites from metal bearing wastes: Synthesis, characterization and adsorption study. <i>Journal of Molecular Liquids</i> , 2020, 318, 114047.	2.3	4
110	Material Flux through an Innovative Recycling Process Treating Different Types of End-of-Life Photovoltaic Panels: Demonstration at Pilot Scale. <i>Energies</i> , 2021, 14, 5534.	1.6	4
111	Single Cell Analysis of Microalgae and Associated Bacteria Flora by Using Flow Cytometry. <i>Biotechnology and Bioprocess Engineering</i> , 2021, 26, 898-909.	1.4	4
112	Sulphate bioreduction for the treatment of polluted waters: solid versus liquid organic substrates. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 859-863.	1.6	3
113	Recovery of critical metals from LCDs and Li-ion batteries. , 2016, , .		3
114	Recovery and application of magnetic nanosized sorbents from waste lithium-ion batteries. <i>Ceramics International</i> , 2020, 46, 7559-7567.	2.3	3
115	Cryo-Mechanical Treatment and Hydrometallurgical Process for Recycling Li-MnO <sub>2</sub> Primary Batteries with the Direct Production of LiMnPO <sub>4</sub> Nanoparticles. <i>Energies</i> , 2020, 13, 4004.	1.6	3
116	The sporulation model for manganiferous ore dissolution. <i>Chemical Engineering Science</i> , 2004, 59, 5107-5112.	1.9	2
117	Influence of surface heterogeneity in electroosmotic flows—Implications in chromatography, fluid mixing, and chemical reactions in microdevices. <i>Applied Surface Science</i> , 2007, 253, 5785-5790.	3.1	2
118	Inhibition of Iron Oxidizing Bacteria Involved in the Generation of Acid Mine Drainage. <i>Advanced Materials Research</i> , 0, 71-73, 681-684.	0.3	2
119	Electrochemical synthesis of nanowires electrodes and their application in energy storage devices. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	2
120	Sulphate Reducing Bacteria for the Treatment of Heavy Metals Contaminated Waters in Permeable Reactive Barriers. <i>Advanced Materials Research</i> , 2009, 71-73, 565-568.	0.3	1
121	Acid mine drainage attenuation by inhibition of pyrite bioleaching using limestone and olive pomace. <i>Chemistry and Ecology</i> , 2012, 28, 293-303.	0.6	1
122	Bioactive and passive mechanisms of pollutant removal in bioreduction processes in fixed bed columns: Numerical simulations. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 70-80.	1.3	1
123	Biosorption of Copper by <i>Saccharomyces cerevisiae</i> : From Biomass Characterization to Process Development. , 2017, , 205-224.		1
124	Process Simulation for Li-MnO <sub>2</sub> Primary Battery Recycling: Cryo-Mechanical and Hydrometallurgical Treatments at Pilot Scale. <i>Energies</i> , 2020, 13, 4546.	1.6	1
125	Production of nanostructured electrodes from spent Lithium ion batteries and their application in new energy storage devices. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
126	TiO <sub>2</sub> nanotubes in lithium-ion batteries. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0



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127	Magnetic force microscopy characterization of cobalt nanoparticles: A preliminary study. AIP Conference Proceedings, 2020, , .	0.3	0
128	Synthesis of copper nanostructured electrodes onto carbon paper for the catalytic electroreduction of CO <sub>2</sub> . , 2021, , .		0