

Paula Fraga-Garca

List of Publications by Year in Descending Order

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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.

28

papers

617

citations

15

h-index

24

g-index

29

ext. papers

776

ext. citations

5.4

avg, IF

4.32

L-index

#	Paper	IF	Citations
28	The electrosorptive response of a carbon nanotube flow-through electrode in aqueous systems. <i>Chemical Engineering Journal</i> , 2022 , 428, 131009	14.7	1
27	Design of 3D Carbon Nanotube Monoliths for Potential-Controlled Adsorption. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 9390	2.6	2
26	Bio-nano interactions: binding proteins, polysaccharides, lipids and nucleic acids onto magnetic nanoparticles. <i>Biomaterials Research</i> , 2021 , 25, 12	16.8	20
25	Adsorption of organic molecules on carbon surfaces: Experimental data and molecular dynamics simulation considering multiple protonation states. <i>Journal of Colloid and Interface Science</i> , 2021 , 589, 424-437	9.3	9
24	Magnetic Separation of Antibodies with High Binding Capacity by Site-Directed Immobilization of Protein A-Domains to Bare Iron Oxide Nanoparticles. <i>ACS Applied Nano Materials</i> , 2021 , 4, 4956-4963	5.6	3
23	Iron Oxide Nanoparticles: Multiwall Carbon Nanotube Composite Materials for Batch or Chromatographic Biomolecule Separation. <i>Nanoscale Research Letters</i> , 2021 , 16, 30	5	1
22	Natural magnetite ore as a harvesting agent for saline microalgae <i>Microchloropsis salina</i> . <i>Bioresource Technology Reports</i> , 2021 , 15, 100798	4.1	
21	A Carbon Nanotube Packed Bed Electrode for Small Molecule Electrosorption: An Electrochemical and Chromatographic Approach for Process Description. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1133	2.6	8
20	Seeking Innovative Affinity Approaches: A Performance Comparison between Magnetic Nanoparticle Agglomerates and Chromatography Resins for Antibody Recovery. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 39967-39978	9.5	6
19	Magnetic Separation in Bioprocessing Beyond the Analytical Scale: From Biotechnology to the Food Industry. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 233	5.8	27
18	Rational Design of Iron Oxide Binding Peptide Tags. <i>Langmuir</i> , 2019 , 35, 8472-8481	4	4
17	Magnetic One-Step Purification of His-Tagged Protein by Bare Iron Oxide Nanoparticles. <i>ACS Omega</i> , 2019 , 4, 3790-3799	3.9	34
16	Design of Interactions Between Nanomaterials and Proteins: A Highly Affine Peptide Tag to Bare Iron Oxide Nanoparticles for Magnetic Protein Separation. <i>Biotechnology Journal</i> , 2019 , 14, e1800055	5.6	32
15	Experimental characterization and simulation of amino acid and peptide interactions with inorganic materials. <i>Engineering in Life Sciences</i> , 2018 , 18, 84-100	3.4	16
14	Bare Iron Oxide Nanoparticles for Magnetic Harvesting of Microalgae: From Interaction Behavior to Process Realization. <i>Nanomaterials</i> , 2018 , 8,	5.4	36
13	Potential-Controlled Tensiometry: A Tool for Understanding Wetting and Surface Properties of Conductive Powders by Electroimbibition. <i>Analytical Chemistry</i> , 2018 , 90, 14131-14136	7.8	4
12	Magnetic Separation: Prospects for Downstream Processing. <i>Chemie-Ingenieur-Technik</i> , 2018 , 90, 1213-1218	10.83	

11	Carbon nanotubes-A resin for electrochemically modulated liquid chromatography. <i>Journal of Separation Science</i> , 2017 , 40, 1176-1183	3.4	12
10	Peptide binding to metal oxide nanoparticles. <i>Faraday Discussions</i> , 2017 , 204, 233-250	3.6	26
9	Bio-nano interactions: cellulase on iron oxide nanoparticle surfaces. <i>Adsorption</i> , 2017 , 23, 281-292	2.6	24
8	Oxidation of magnetite nanoparticles: impact on surface and crystal properties. <i>CrystEngComm</i> , 2017 , 19, 246-255	3.3	101
7	Formation of iron oxide nanoparticles for the photooxidation of water: Alteration of finite size effects from ferrihydrite to hematite. <i>Scientific Reports</i> , 2017 , 7, 12609	4.9	28
6	Binding patterns of homo-peptides on bare magnetic nanoparticles: insights into environmental dependence. <i>Scientific Reports</i> , 2017 , 7, 14047	4.9	17
5	Potential-Controlled Chromatography on Carbon Nanotubes for Biomolecule Separation. <i>Chemie-Ingenieur-Technik</i> , 2016 , 88, 1256-1256	0.8	
4	Oleate coating of iron oxide nanoparticles in aqueous systems: the role of temperature and surfactant concentration. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	19
3	High-gradient magnetic separation for technical scale protein recovery using low cost magnetic nanoparticles. <i>Separation and Purification Technology</i> , 2015 , 150, 29-36	8.3	63
2	Nature of Interactions of Amino Acids with Bare Magnetite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 23032-23041	3.8	104
1	Impact of nanoparticle aggregation on protein recovery through a pentadentate chelate ligand on magnetic carriers. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 13607-16	9.5	19