

Nancy Acelas

List of Publications by Year in descending order

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29
papers

996
citations

471477

17
h-index

526264

27
g-index

29
all docs

29
docs citations

29
times ranked

1129
citing authors

#	ARTICLE	IF	CITATIONS
1	Unraveling the Ca ²⁺ -P species produced over the time during phosphorus removal from aqueous solution using biocomposite of eggshell-palm mesocarp fiber. <i>Chemosphere</i> , 2022, 287, 132333.	8.2	10
2	Valorization of potato peels and eggshells wastes: Ca-biocomposite to remove and recover phosphorus from domestic wastewater. <i>Bioresource Technology</i> , 2022, 343, 126106.	9.6	29
3	Phosphate removal from aqueous solutions by heat treatment of eggshell and palm fiber. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104684.	6.7	21
4	Utilization of water hyacinth (<i>Eichhornia crassipes</i>) rejects as phosphate-rich fertilizer. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104776.	6.7	15
5	Kinetics, isotherms, effect of structure, and computational analysis during the removal of three representative pharmaceuticals from water by adsorption using a biochar obtained from oil palm fiber. <i>Bioresource Technology</i> , 2021, 326, 124753.	9.6	48
6	Evaluating the Removal of the Antibiotic Cephalexin from Aqueous Solutions Using an Adsorbent Obtained from Palm Oil Fiber. <i>Molecules</i> , 2021, 26, 3340.	3.8	23
7	Experimental and Theoretical Insights on Methylene Blue Removal from Wastewater Using an Adsorbent Obtained from the Residues of the Orange Industry. <i>Molecules</i> , 2021, 26, 4555.	3.8	34
8	Recovering phosphorus from aqueous solutions using water hyacinth (<i>Eichhornia crassipes</i>) toward sustainability through its transformation to apatite. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106225.	6.7	13
9	Eco-friendly materials obtained through a simple thermal transformation of water hyacinth (<i>Eichhornia Crassipes</i>) for the removal and immobilization of Cd ²⁺ and Cu ²⁺ from aqueous solutions. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100574.	2.9	3
10	To be or not to be? that is the entropic, enthalpic, and molecular interaction dilemma in the formation of (water) ₂₀ clusters and methane clathrate. <i>ChemPhysChem</i> , 2021, , .	2.1	4
11	Mercury removal from wastewater using agroindustrial waste adsorbents. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	40
12	Experimental and computational data set on adsorption of Cr (VI) from water using an activated carbon. <i>Data in Brief</i> , 2020, 29, 105292.	1.0	0
13	Removal of Cr (VI) from an aqueous solution using an activated carbon obtained from teakwood sawdust: Kinetics, equilibrium, and density functional theory calculations. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103702.	6.7	51
14	Microsolvation of small cations and anions. <i>International Journal of Quantum Chemistry</i> , 2019, 119, e25766.	2.0	26
15	A Comprehensive Picture of the Structures, Energies, and Bonding in [SO ₄ (H ₂ O) _n] ²⁻ , $n = 1-6$. <i>Journal of Physical Chemistry A</i> , 2019, 123, 8650-8656.	2.5	12
16	Chloride adsorption on Fe- and Al-(hydr)oxide: estimation of Gibbs free energies. <i>Adsorption</i> , 2018, 24, 243-248.	3.0	12
17	Microsolvation of F ⁻ . <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 8909-8916.	2.8	24
18	Phosphate removal from water using a hybrid material in a fixed-bed column. <i>Journal of Water Process Engineering</i> , 2018, 26, 131-137.	5.6	36

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19	Preparación de carbón activado a partir de residuos de palma de aceite y su aplicación para la remoción de colorantes. Revista Colombiana De Química, 2017, 46, 33.	0.4	12
20	Microsolvation of NO ₃ ⁻ : structural exploration and bonding analysis. RSC Advances, 2016, 6, 71913-71923.	3.6	37
21	Phosphorus recovery through struvite precipitation from wastewater: effect of the competitive ions. Desalination and Water Treatment, 2015, 54, 2468-2479.	1.0	42
22	Selective removal of phosphate from wastewater using hydrated metal oxides dispersed within anionic exchange media. Chemosphere, 2015, 119, 1353-1360.	8.2	195
23	Supercritical water gasification of sewage sludge: Gas production and phosphorus recovery. Bioresource Technology, 2014, 174, 167-175.	9.6	108
24	Structures, energies, and bonding in the water heptamer. Journal of Chemical Physics, 2013, 139, 044310.	3.0	37
25	Density functional theory characterization of phosphate and sulfate adsorption on Fe-(hydr)oxide: Reactivity, pH effect, estimation of Gibbs free energies, and topological analysis of hydrogen bonds. Computational and Theoretical Chemistry, 2013, 1005, 16-24.	2.5	54
26	Topological analysis of tetraphosphorus oxides (P ₄ O _{6+n} (n=0-4)). Journal of Molecular Modeling, 2013, 19, 2057-2067.	1.8	6
27	Average structural analysis of tar obtained from pyrolysis of wood. Bioresource Technology, 2010, 101, 2458-2465.	9.6	14
28	Structural Studies of the Water Hexamer. Journal of Physical Chemistry A, 2010, 114, 7809-7814.	2.5	86
29	Eco-friendly reuse of agricultural wastes to produce biocomposites with high potential in water treatment and fertilizers. Biomass Conversion and Biorefinery, 0, , .	4.6	4