

Ricardo Rojas

List of Publications by Year in descending order

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23
papers

792
citations

567281

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642732

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docs citations

23
times ranked

1026
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of heavy metals from simulated wastewater by in situ formation of layered double hydroxides. <i>Chemical Engineering Journal</i> , 2016, 306, 1035-1040.	12.7	116
2	Copper, lead and cadmium removal by Ca Al layered double hydroxides. <i>Applied Clay Science</i> , 2014, 87, 254-259.	5.2	115
3	Dissolution kinetics and mechanism of Mg-Al layered double hydroxides: A simple approach to describe drug release in acid media. <i>Journal of Colloid and Interface Science</i> , 2010, 351, 134-139.	9.4	98
4	EDTA modified LDHs as Cu ²⁺ scavengers: Removal kinetics and sorbent stability. <i>Journal of Colloid and Interface Science</i> , 2009, 331, 425-431.	9.4	94
5	Effect of the protein corona on the colloidal stability and reactivity of LDH-based nanocarriers. <i>Journal of Materials Chemistry B</i> , 2016, 4, 2008-2016.	5.8	52
6	Structural and physicochemical aspects of drug release from layered double hydroxides and layered hydroxide salts. <i>Applied Clay Science</i> , 2015, 109-110, 119-126.	5.2	45
7	Effect of particle size on copper removal by layered double hydroxides. <i>Chemical Engineering Journal</i> , 2016, 303, 331-337.	12.7	36
8	The effect of interlayer anion on the reactivity of Mg-Al layered double hydroxides: Improving and extending the customization capacity of anionic clays. <i>Journal of Colloid and Interface Science</i> , 2011, 359, 136-141.	9.4	29
9	Ciprofloxacin-intercalated layered double hydroxide-in-hybrid films as composite dressings for controlled antimicrobial topical delivery. <i>Materials Science and Engineering C</i> , 2020, 111, 110859.	7.3	29
10	Effect of structure and bonding on the interfacial properties and the reactivity of layered double hydroxides and Zn hydroxide salts. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 419, 166-173.	4.7	26
11	Intercalation of metal-edta complexes in Ni-Zn layered hydroxysalts and study of their thermal stability. <i>Microporous and Mesoporous Materials</i> , 2008, 112, 262-272.	4.4	22
12	Layered double hydroxide nanoparticles customization by polyelectrolyte adsorption: mechanism and effect on particle aggregation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 533, 316-322.	4.7	20
13	Layered double hydroxide applications in biomedical implants. <i>Applied Clay Science</i> , 2022, 224, 106514.	5.2	19
14	A systematic approach to the synthesis of LDH nanoparticles by response surface methodology. <i>Applied Clay Science</i> , 2017, 137, 151-159.	5.2	17
15	Relevance of protein-protein interactions on the biological identity of nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 166, 330-338.	5.0	16
16	Risedronate functionalized layered double hydroxides nanoparticles with bone targeting capabilities. <i>Applied Clay Science</i> , 2017, 141, 257-264.	5.2	14
17	Pros and cons of coating layered double hydroxide nanoparticles with polyacrylate. <i>Applied Clay Science</i> , 2019, 172, 11-18.	5.2	14
18	Reactivity and Heavy Metal Removal Capacity of Calcium Alginate Beads Loaded with Ca-Al Layered Double Hydroxides. <i>ChemEngineering</i> , 2019, 3, 22.	2.4	8

#	ARTICLE	IF	CITATIONS
19	Synthetic and biological identities of layered double hydroxides nanocarriers functionalized with risedronate. <i>Applied Clay Science</i> , 2020, 199, 105880.	5.2	6
20	A closer look into the physical interactions between lipid membranes and layered double hydroxide nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 191, 110998.	5.0	6
21	Structural and morphological aspects of (fluoro)quinolone delivery by layered double hydroxide nanoparticles. <i>New Journal of Chemistry</i> , 2018, 42, 19144-19152.	2.8	4
22	Amperometric flow injection analysis as a new approach for studying disperse systems. <i>Electrochimica Acta</i> , 2009, 55, 475-479.	5.2	3
23	Antimicrobial modification of polypropylene films by photograft and layered double hydroxides assembly. <i>Reactive and Functional Polymers</i> , 2022, 178, 105349.	4.1	3