

Jairo Tronto

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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.

49
papers

1,139
citations

20
h-index

33
g-index

52
ext. papers

1,330
ext. citations

4.3
avg, IF

4.34
L-index

#	Paper	IF	Citations
49	Effects of pH, temperature, and ionic strength on adsorption of sodium dodecylbenzenesulfonate into Mg ₃ Al ₂ (OH) ₆ layered double hydroxides. <i>Journal of Physics and Chemistry of Solids</i> , 2004 , 65, 487-492	3.9	102
48	Layered Double Hydroxides: New Technology in Phosphate Fertilizers Based on Nanostructured Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 399-409	8.3	84
47	Adsorption of Acid Yellow 42 dye on calcined layered double hydroxide: Effect of time, concentration, pH and temperature. <i>Applied Clay Science</i> , 2017 , 140, 132-139	5.2	75
46	Thermal decomposition and recovery properties of ZnAl ₂ (OH) ₆ layered double hydroxide for anionic dye adsorption: insight into the aggregative nucleation and growth mechanism of the LDH memory effect.. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9998-10009	13	70
45	Effect of iron precursor on the Fenton-like activity of Fe ₂ O ₃ /mesoporous silica catalysts prepared under mild conditions. <i>Applied Catalysis B: Environmental</i> , 2014 , 144, 792-799	21.8	68
44	Chemical, structural, and thermal properties of Zn(II)-Cr(III) layered double hydroxides intercalated with sulfated and sulfonated surfactants. <i>Journal of Colloid and Interface Science</i> , 2002 , 248, 429-42	9.3	64
43	LAYERED DOUBLE HYDROXIDES: NANOMATERIALS FOR APPLICATIONS IN AGRICULTURE. <i>Revista Brasileira De Ciencia Do Solo</i> , 2015 , 39, 1-13	1.5	58
42	In vitro release of citrate anions intercalated in magnesium aluminium layered double hydroxides. <i>Journal of Physics and Chemistry of Solids</i> , 2004 , 65, 475-480	3.9	58
41	Poultry manure and sugarcane straw biochars modified with MgCl for phosphorus adsorption. <i>Journal of Environmental Management</i> , 2018 , 214, 36-44	7.9	45
40	Organic Anions of Pharmaceutical Interest Intercalated in Magnesium Aluminum LDHs by Two Different Methods. <i>Molecular Crystals and Liquid Crystals</i> , 2001 , 356, 227-237		41
39	Biochar from carrot residues chemically modified with magnesium for removing phosphorus from aqueous solution. <i>Journal of Cleaner Production</i> , 2019 , 222, 36-46	10.3	39
38	Hidróxidos duplos lamelares: nanopartículas inorgânicas para armazenamento e liberação de espécies de interesse biológico e terapêutico. <i>Quimica Nova</i> , 2010 , 33, 159-171	1.6	37
37	Performance of magnetite/layered double hydroxide composite for dye removal via adsorption, Fenton and photo-Fenton processes. <i>Applied Clay Science</i> , 2019 , 179, 105152	5.2	31
36	Mesoporous carbon derived from a biopolymer and a clay: Preparation, characterization and application for an organochlorine pesticide adsorption. <i>Microporous and Mesoporous Materials</i> , 2016 , 225, 342-354	5.3	29
35	Removal of Benzoate Anions from Aqueous Solution Using Mg-Al Layered Double Hydroxides. <i>Molecular Crystals and Liquid Crystals</i> , 2003 , 390, 49-56	0.5	26
34	Synthesis, characterization and electrochemical study of layered double hydroxides intercalated with 2-thiophenecarboxylate anions. <i>Journal of Physics and Chemistry of Solids</i> , 2004 , 65, 493-498	3.9	22
33	Layered Double Hydroxides as Hosting Matrices for Storage and Slow Release of Phosphate Analyzed by Stirred-Flow Method. <i>Materials Research</i> , 2018 , 21,	1.5	22

32	Starch, cellulose acetate and polyester biodegradable sheets: Effect of composition and processing conditions. <i>Materials Science and Engineering C</i> , 2017 , 78, 932-941	8.3	20
31	Determination of chromium (VI) by dispersive solid-phase extraction using dissolvable Zn-Al layered double hydroxide intercalated with L-Alanine as adsorbent. <i>Microchemical Journal</i> , 2019 , 146, 650-657	4.8	20
30	Fenton-like degradation of methylene blue using Mg/Fe and MnMg/Fe layered double hydroxides as reusable catalysts. <i>Applied Clay Science</i> , 2020 , 187, 105477	5.2	20
29	Removal of aliphatic amino acids by hybrid organic-inorganic layered compounds. <i>Applied Surface Science</i> , 2007 , 253, 5756-5761	6.7	18
28	Visible and near-infrared luminescent Eu ³⁺ or Er ³⁺ doped laponite-derived xerogels and thick films: Structural and spectroscopic properties. <i>Materials Chemistry and Physics</i> , 2009 , 113, 71-77	4.4	16
27	Hybrid organic-inorganic materials: Layered hydroxy double salts intercalated with substituted thiophene monomers. <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 978-982	3.9	14
26	Film based on magnesium impregnated biochar/cellulose acetate for phosphorus adsorption from aqueous solution.. <i>RSC Advances</i> , 2019 , 9, 5620-5627	3.7	13
25	Studies of the Intercalation and " In Vitro " Liberation of Amino Acids in Magnesium Aluminium Layered Double Hydroxides. <i>Molecular Crystals and Liquid Crystals</i> , 2003 , 390, 79-89	0.5	12
24	Ethanolysis and Methanolysis of Soybean and Macauba Oils Catalyzed by Mixed Oxide Ca-Al from Hydrocalumite for Biodiesel Production. <i>Energy & Fuels</i> , 2016 , 30, 6662-6670	4.1	12
23	Multivariate Method for Transesterification Reaction of Soybean Oil Using Calcined Mg-Al Layered Double Hydroxide as Catalyst. <i>Catalysis Letters</i> , 2014 , 144, 1062-1073	2.8	11
22	Influência de temperatura e taxas de aquecimento na resistência mecânica, densidade e rendimento do carvão da madeira de Eucalyptus cloeziana. <i>Ciência Da Madeira</i> , 2017 , 8, 82-94	0.1	11
21	Adsorption of phenylalanine on layered double hydroxides: effect of temperature and ionic strength. <i>Journal of Materials Science</i> , 2008 , 43, 434-439	4.3	10
20	Layered double hydroxides: matrices for storage and source of boron for plant growth. <i>Clay Minerals</i> , 2018 , 53, 79-89	1.3	9
19	A flow injection procedure using Layered Double Hydroxide for on line pre-concentration of fluoride. <i>Talanta</i> , 2018 , 178, 102-108	6.2	9
18	Extraction and concentration of biogenic calcium oxalate from plant leaves. <i>Revista Brasileira De Ciencia Do Solo</i> , 2009 , 33, 729-733	1.5	9
17	Determination of Haloxyfop-Methyl, Linuron, and Procymidone Pesticides in Carrot Using SLE-LTP Extraction and GC-MS. <i>Food Analytical Methods</i> , 2016 , 9, 1344-1352	3.4	8
16	New layered double hydroxides intercalated with substituted pyrroles. 1. In situ polymerization of 4-(1H-pyrrol-1-yl)benzoate. <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 968-972	3.9	8
15	New layered double hydroxides intercalated with substituted pyrroles. 2. 3-(Pyrrol-1-yl)-propanoate and 7-(pyrrol-1-yl)-heptanoate LDHs. <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 973-977	3.9	7

14	A dispersive solid phase extraction-based method for chromium(VI) analysis using a Zn ²⁺ /Al layered double hydroxide intercalated with L-aspartic acid as a dissolvable adsorbent. <i>New Journal of Chemistry</i> , 2020 , 44, 10087-10094	3.6	6
13	Hyperfine interaction in Zn ²⁺ /Al layered double hydroxides intercalated with conducting polymers. <i>Journal of Physics and Chemistry of Solids</i> , 2008 , 69, 1079-1083	3.9	6
12	Synthesis, characterization and agronomic use of alginate microspheres containing layered double hydroxides intercalated with borate. <i>New Journal of Chemistry</i> , 2020 , 44, 10066-10075	3.6	5
11	Adsorption of Dicamba herbicide onto a carbon replica obtained from a layered double hydroxide. <i>Dalton Transactions</i> , 2018 , 47, 3119-3127	4.3	5
10	Ab initio study of thermoelectric properties of doped SnO ₂ superlattices. <i>Journal of Solid State Chemistry</i> , 2015 , 231, 123-131	3.3	5
9	Plant growth regulation by seed coating with films of alginate and auxin-intercalated layered double hydroxides. <i>Beilstein Journal of Nanotechnology</i> , 2020 , 11, 1082-1091	3	4
8	Removal of Sodium Dodecylbenzenesulphonate and Cetyltrimethylammonium Bromide Using a Carbon Composite Derived from Modified Zn ²⁺ /Al-Layered Double Hydroxide. <i>Adsorption Science and Technology</i> , 2013 , 31, 711-728	3.6	2
7	Potential of Alginate and Mesoporous Carbon to Improve the Fertilizer Value of Urea. <i>Communications in Soil Science and Plant Analysis</i> , 2020 , 51, 2257-2269	1.5	2
6	Alginate beads containing layered double hydroxide intercalated with borate: a potential slow-release boron fertilizer for application in sandy soils. <i>New Journal of Chemistry</i> , 2020 , 44, 16965-16976	3.6	2
5	In situ oligomerization of 2-(thiophen-3-yl)acetate intercalated into Zn ₂ Al layered double hydroxide. <i>Journal of Solid State Chemistry</i> , 2015 , 221, 391-397	3.3	1
4	Caracterização química e mineralógica de carvões vegetais coletados em diferentes ambientes. <i>Revista Arvore</i> , 2014 , 38, 993-1001	1	1
3	Layered double hydroxides intercalated with borate: effect of fertilization on boron leaching and successive sunflower cultivations. <i>New Journal of Chemistry</i> , 2020 , 44, 10042-10049	3.6	1
2	Organic Bilayers Intercalated in Zinc(II)-Chromium(III) Layered Double Hydroxides. <i>Molecular Crystals and Liquid Crystals</i> , 2001 , 356, 327-335		
1	N-acetylcysteine, a biofilm disruptor, formulated as a layered nanomaterial for the control of bacterial wilt in tomato. <i>Acta Horticulturae</i> , 2021 , 67-74	0.3	