List of Publications by Year in descending order

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ΕλζΗΙ ΖΗΛΝΟ

#	Article	IF	CITATIONS
1	An amorphous NiCuFeP@Cu ₃ P nanoarray for an efficient hydrogen evolution reaction. Inorganic Chemistry Frontiers, 2022, 9, 1446-1455.	6.0	7
2	Enhanced improvement of soda saline-alkali soil by in-situ formation of super-stable mineralization structure based on CaFe layered double hydroxide and its large-scale application. Chemosphere, 2022, , 134543.	8.2	6
3	Heteroatom Modification of Heterostructured CuS/Mn ₃ O ₄ with Rich Defects for Solid-State Supercapacitors. Energy & Fuels, 2022, 36, 5433-5443.	5.1	5
4	Cu ₉ S ₅ /Fe ₂ O ₃ Nanospheres as Advanced Negative Electrode Materials for High Performance Battery-like Hybrid Capacitors. ACS Applied Energy Materials, 2022, 5, 7016-7025.	5.1	2
5	Activated MoS ₂ by Constructing Single Atomic Cation Vacancies for Accelerated Hydrogen Evolution Reaction. ACS Applied Materials & Interfaces, 2022, 14, 26846-26857.	8.0	9
6	Construction of Ta-Cu7S4 negative electrode for high-performance all-solid-state asymmetric supercapacitor. Chemical Engineering Journal, 2021, 403, 126471.	12.7	22
7	Heterostructure Ni ₃ S ₄ –MoS ₂ with interfacial electron redistribution used for enhancing hydrogen evolution. RSC Advances, 2021, 11, 19630-19638.	3.6	12
8	Multi-vacancy Co3O4 on nickel foam synthesized via a one-step hydrothermal method for high-efficiency electrocatalytic benzyl alcohol oxidation. Journal of Materials Science, 2021, 56, 6689-6703.	3.7	22
9	CuS Nanosheet Arrays for Electrochemical CO ₂ Reduction with Surface Reconstruction and the Effect on Selective Formation of Formate. ACS Applied Energy Materials, 2021, 4, 4376-4384.	5.1	30
10	Acid-Etched Co ₃ O ₄ Nanoparticles on Nickel Foam: The Highly Reactive (311) Facet and Enriched Defects for Boosting Methanol Oxidation Electrocatalysis. ACS Applied Materials & Interfaces, 2021, 13, 29491-29499.	8.0	28
11	Ammonia Etching to Generate Oxygen Vacancies on CuMn ₂ O ₄ for Highly Efficient Electrocatalytic Oxidation of 5-Hydroxymethylfurfural. ACS Sustainable Chemistry and Engineering, 2021, 9, 11790-11797.	6.7	26
12	Iron-containing palygorskite clay as Fenton reagent for the catalytic degradation of phenol in water. RSC Advances, 2021, 11, 29537-29542.	3.6	7
13	Polygonal CuS Nanoprisms Fabricated by Grinding Reaction for Advanced Quasi-Solid-State Asymmetry Supercapacitors. ACS Applied Energy Materials, 2021, 4, 12631-12640.	5.1	14
14	Electricâ€Fieldâ€Assisted Enhanced Electron Transfer to Boost Supercapacitor Negative Electrode Performance for a Fabricated Fe ₇ S ₈ /αâ€FeOOH Nanoâ€Heterostructure. Advanced Electronic Materials, 2020, 6, 1900953.	5.1	12
15	A <i>Z</i> -scheme ZnIn ₂ S ₄ /Nb ₂ O ₅ nanocomposite: constructed and used as an efficient bifunctional photocatalyst for H ₂ evolution and oxidation of 5-hydroxymethylfurfural. Inorganic Chemistry Frontiers, 2020, 7, 437-446.	6.0	71
16	The Principle of Introducing Halogen Ions Into β-FeOOH: Controlling Electronic Structure and Electrochemical Performance. Nano-Micro Letters, 2020, 12, 107.	27.0	24
17	Boosting Hydrogen Production by Electrooxidation of Urea over 3D Hierarchical Ni ₄ N/Cu ₃ N Nanotube Arrays. ACS Sustainable Chemistry and Engineering, 2019, 7, 13278-13285.	6.7	80
18	Confined NiRu Bimetallic Catalysts for the Hydrogenation of Dimethyl Terephthalate to Dimethyl Cyclohexane-1,4-dicarboxylate. Industrial & Engineering Chemistry Research, 2019, 58, 22702-22708.	3.7	8

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19	Partially reduced Ni2+, Fe3+-layered double hydroxide for ethanol electrocatalysis. Journal of Materials Science, 2019, 54, 14515-14523.	3.7	24
20	A hierarchical Nb ₂ O ₅ @NiFe-MMO rod array, fabricated and used as a structured photocatalyst. RSC Advances, 2019, 9, 6177-6183.	3.6	6
21	Flame-retardant and smoke-suppressing wood obtained by the <i>in situ</i> growth of a hydrotalcite-like compound on the inner surfaces of vessels. New Journal of Chemistry, 2019, 43, 16359-16366.	2.8	16
22	Confined hexahedral nickel nanoparticle catalyst for catalytic hydrogenation reaction. Journal of Materials Science, 2018, 53, 4884-4896.	3.7	8
23	Catalytic hydrogenation of a pyrolysis gasoline model feed over supported NiRu bimetallic catalysts with Ru content from 0.01 wt% to 0.1 wt%. Applied Catalysis A: General, 2018, 568, 183-190.	4.3	9
24	Photodeposited Pd Nanoparticles with Disordered Structure for Phenylacetylene Semihydrogenation. Scientific Reports, 2017, 7, 42172.	3.3	39
25	Fabrication and anticorrosion properties of composite films of silica/layered double hydroxide. Surface and Coatings Technology, 2017, 326, 200-206.	4.8	22
26	Hierarchically scaffolded CoP/CoP ₂ nanoparticles: controllable synthesis and their application as a well-matched bifunctional electrocatalyst for overall water splitting. Nanoscale, 2017, 9, 5677-5685.	5.6	123
27	Template-free fabrication of hierarchically meso/macroporous architecture of layered double hydroxide by dry gel conversion method. Journal of Sol-Gel Science and Technology, 2017, 83, 609-617.	2.4	1
28	Solid-Solution Sulfides Derived from Tunable Layered Double Hydroxide Precursors/Graphene Aerogel for Pseudocapacitors and Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 42742-42750.	8.0	27
29	Graphene-supported binary active Mn _{0.25} Co _{0.75} O solid solution derived from a CoMn-layered double hydroxide precursor for highly improved lithium storage. RSC Advances, 2016, 6, 19716-19722.	3.6	16
30	Double-Confined Nickel Nanocatalyst Derived from Layered Double Hydroxide Precursor: Atomic Scale Insight into Microstructure Evolution. Chemistry of Materials, 2016, 28, 6296-6304.	6.7	39
31	Triple-Confined Well-Dispersed Biactive NiCo ₂ S ₄ /Ni _{0.96} S on Graphene Aerogel for High-Efficiency Lithium Storage. ACS Applied Materials & Interfaces, 2016, 8, 32853-32861.	8.0	66
32	Nitrogen-doped carbon and high-content alumina containing bi-active cobalt oxides for efficient storage of lithium. Journal of Colloid and Interface Science, 2016, 462, 183-190.	9.4	12
33	Preparation of Nickel–Aluminum-Containing Layered Double Hydroxide Films by Secondary (Seeded) Growth Method and Their Electrochemical Properties. Langmuir, 2015, 31, 6704-6712.	3.5	34
34	Sulfur-doped mesoporous carbon from surfactant-intercalated layered double hydroxide precursor as high-performance anode nanomaterials for both Li-ion and Na-ion batteries. Carbon, 2015, 93, 143-150.	10.3	135
35	Synergistic lithium storage of a multi-component Co2SnO4/Co3O4/Al2O3/C composite from a single-source precursor. RSC Advances, 2015, 5, 69932-69938.	3.6	25
36	Composition regulation of bimetallic RuPd catalysts supported on porous alumina spheres for selective hydrogenation. Chemical Engineering Journal, 2015, 259, 43-52.	12.7	40

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37	Zirconium phenylphosphonate-anchored methyltrioxorhenium as novel heterogeneous catalyst for epoxidation of cyclohexene. Journal of Colloid and Interface Science, 2015, 437, 58-64.	9.4	18
38	Facile fabrication of spherical architecture of Ni/Al layered double hydroxide based on <i>in situ</i> transformation mechanism. AICHE Journal, 2014, 60, 4027-4036.	3.6	11
39	A density functional theory study of gold clusters supported on layered double hydroxides. Structural Chemistry, 2014, 25, 883-893.	2.0	4
40	Eco-efficient synthesis route of carbon-encapsulated transition metal phosphide with improved cycle stability for lithium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 921-925.	10.3	52
41	One-Pot Conversion of Dimethyl Terephthalate into 1,4-Cyclohexanedimethanol with Supported Trimetallic RuPtSn Catalysts. Industrial & Engineering Chemistry Research, 2014, 53, 619-625.	3.7	18
42	Supported Nickel–Cobalt Bimetallic Catalysts Derived from Layered Double Hydroxide Precursors for Selective Hydrogenation of Pyrolysis Gasoline. Industrial & Engineering Chemistry Research, 2014, 53, 15600-15610.	3.7	25
43	The role of hydrotalcite-modified porous alumina spheres in bimetallic RuPd catalysts for selective hydrogenation. Catalysis Communications, 2014, 55, 19-23.	3.3	7
44	Enhanced catalytic performances of Ag nanoparticles supported on layered double hydroxide for styrene epoxidation. Journal of Materials Science, 2013, 48, 5899-5903.	3.7	25
45	Pd Nanoparticles on Layered Double Hydroxide as Efficient Catalysts for Solvent-Free Oxidation of Benzyl Alcohol Using Molecular Oxygen: Effect of Support Basic Properties. Catalysis Letters, 2013, 143, 206-218.	2.6	37
46	Experimental and theoretical investigation into the elimination of organic pollutants from solution by layered double hydroxides. Applied Catalysis B: Environmental, 2013, 140-141, 241-248.	20.2	48
47	Self-Healing of Layered Double Hydroxide Film by Dissolution/Recrystallization for Corrosion Protection of Aluminum. Journal of the Electrochemical Society, 2013, 160, C480-C486.	2.9	34
48	An egg-shell type Ni/Al2O3 catalyst derived from layered double hydroxides precursor for selective hydrogenation of pyrolysis gasoline. Applied Catalysis A: General, 2013, 468, 204-215.	4.3	41
49	Layered double hydroxides used as flame retardant for engineering plastic acrylonitrile–butadiene–styrene (ABS). Journal of Physics and Chemistry of Solids, 2012, 73, 1514-1517.	4.0	79
50	Novel mesoporous ZnxCd1â^'xS nanoparticles as highly efficient photocatalysts. Applied Catalysis B: Environmental, 2012, 125, 11-20.	20.2	57
51	Well-dispersed bi-component-active CoO/CoFe ₂ O ₄ nanocomposites with tunable performances as anode materials for lithium-ion batteries. Chemical Communications, 2012, 48, 410-412.	4.1	141
52	Oriented CoFe ₂ O ₄ /CoO Nanocomposite Films from Layered Double Hydroxide Precursor Films by Calcination: Ferromagnetic Nanoparticles Embedded in an Antiferromagnetic Matrix for Beating the Superparamagnetic Limit. Journal of Physical Chemistry C, 2012, 116, 5288-5294.	3.1	19
53	Transformation Mechanism of Magnesium and Aluminum Precursor Solution into Crystallites of Layered Double Hydroxide. Chemistry of Materials, 2012, 24, 81-87.	6.7	106
54	Pd nanoparticles supported on hydrotalciteâ€modified porous alumina spheres as selective hydrogenation catalyst. AICHE Journal, 2012, 58, 1853-1861.	3.6	34

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55	Fabrication and photocatalytic properties of novel ZnO/ZnAl ₂ O ₄ nanocomposite with ZnAl ₂ O ₄ dispersed inside ZnO network. AICHE Journal, 2012, 58, 573-582.	3.6	104
56	Crystal-Face-Selective Supporting of Gold Nanoparticles on Layered Double Hydroxide as Efficient Catalyst for Epoxidation of Styrene. ACS Catalysis, 2011, 1, 232-237.	11.2	122
57	A General and Scalable Formulation of Pure CaAl-Layered Double Hydroxide via an Organic/Water Solution Route. Industrial & Engineering Chemistry Research, 2011, 50, 6567-6572.	3.7	54
58	Layered double hydroxide/eggshell membrane: An inorganic biocomposite membrane as an efficient adsorbent for Cr(VI) removal. Chemical Engineering Journal, 2011, 166, 81-87.	12.7	63
59	Engineered morphologies of layered double hydroxide nanoarchitectured shell microspheres and their calcined products. Chemical Engineering Science, 2011, 66, 2157-2163.	3.8	23
60	Fabrication and photocatalytic performance of a ZnxCd1â^'xS solid solution prepared by sulfuration of a single layered double hydroxide precursor. Applied Catalysis B: Environmental, 2011, 102, 147-156.	20.2	156
61	Preparation of zirconium phenylphosphonate films with different crystallite orientations on polystyrene substrates by in situ hydrothermal crystallization. Thin Solid Films, 2011, 519, 3552-3556.	1.8	6
62	Exchange-biased NiFe2O4/NiO nanocomposites derived from NiFe-layered double hydroxides as a single precursor. Nano Research, 2010, 3, 200-210.	10.4	53
63	Preparation of microspherical α-zirconium phosphate catalysts for conversion of fatty acid methyl esters to monoethanolamides. Journal of Colloid and Interface Science, 2010, 349, 571-577.	9.4	31
64	Morphologies, Preparations and Applications of Layered Double Hydroxide Micro-/Nanostructures. Materials, 2010, 3, 5220-5235.	2.9	127
65	<i>In Situ</i> Crystallized Zirconium Phenylphosphonate Films with Crystals Vertically to the Substrate and Their Hydrophobic, Dielectric, and Anticorrosion Properties. Langmuir, 2010, 26, 179-182.	3.5	30
66	Intercalation of perfluorobutane sulfonate into layered double hydroxides. Applied Clay Science, 2010, 48, 641-645.	5.2	21
67	Layered double hydroxide films: synthesis, properties and applications. Chemical Communications, 2010, 46, 5197.	4.1	407
68	Formation of photo- and thermo-stable layered double hydroxide films with photo-responsive wettability by intercalation of functionalized azobenzenes. Chemical Engineering Science, 2009, 64, 4350-4357.	3.8	36
69	Facile preparation of pure CaAl-layered double hydroxides and their application as a hardening accelerator in concrete. Chemical Engineering Journal, 2009, 155, 881-885.	12.7	97
70	Comparison of the evolution and growth processes of films of M/Al-layered double hydroxides with M=Ni or Zn. Chemical Engineering Science, 2009, 64, 2617-2622.	3.8	57
71	Comparative analysis of the dynamic contact angles for two types of superhydrophobic layered double hydroxide film surfaces. Chemical Engineering Science, 2009, 64, 2957-2962.	3.8	9
72	One-Step Hydrothermal Crystallization of a Layered Double Hydroxide/Alumina Bilayer Film on Aluminum and Its Corrosion Resistance Properties. Langmuir, 2009, 25, 9894-9897.	3.5	171

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73	Preparation of layered double hydroxide films with different orientations on the opposite sides of a glass substrate by in situ hydrothermal crystallization. Chemical Communications, 2009, , 6836.	4.1	53
74	Effects of Varying the Preparation Conditions on the Dielectric Constant of Mixed Metal Oxide Films Derived from Layered Double Hydroxide Precursor Films. Industrial & Engineering Chemistry Research, 2009, 48, 10864-10869.	3.7	18
75	Fabrication of oriented layered double hydroxide films by spin coating and their use in corrosion protection. Chemical Engineering Journal, 2008, 141, 362-367.	12.7	116
76	In situ growth of layered double hydroxide films on anodic aluminum oxide/aluminum and its catalytic feature in aldol condensation of acetone. Chemical Engineering Science, 2008, 63, 4055-4062.	3.8	89
77	Layered Double Hydroxides as Catalytic Materials: Recent Development. Catalysis Surveys From Asia, 2008, 12, 253-265.	2.6	152
78	Corrosion Resistance of Superhydrophobic Layered Double Hydroxide Films on Aluminum. Angewandte Chemie - International Edition, 2008, 47, 2466-2469.	13.8	481
79	Preparation of macrospherical magnesia-rich magnesium aluminate spinel catalysts for methanolysis of soybean oil. Chemical Engineering Science, 2008, 63, 4306-4312.	3.8	45
80	Preparation of Layered Double Hydroxide Microspheres by Spray Drying. Industrial & Engineering Chemistry Research, 2008, 47, 5746-5750.	3.7	52
81	Highly crystalline activated layered double hydroxides as solid acid-base catalysts. AICHE Journal, 2007, 53, 932-940.	3.6	92
82	Synthesis of Oriented Layered Double Hydroxide Thin Films on Sulfonated Polystyrene Substrates. Chemistry Letters, 2005, 34, 1610-1611.	1.3	35
83	Synthesis of layered double hydroxide anionic clays intercalated by carboxylate anions. Materials Chemistry and Physics, 2004, 85, 207-214.	4.0	99