

# Min Wei

## List of Publications by Year in descending order

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247  
papers

20,517  
citations

5891

81  
h-index

12933

131  
g-index

257  
all docs

257  
docs citations

257  
times ranked

20300  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @Layered Double Hydroxide Core-shell Microspheres for Magnetic Separation of Proteins. Journal of the American Chemical Society, 2012, 134, 1071-1077.	6.6	720
2	Hierarchical NiMn Layered Double Hydroxide/Carbon Nanotubes Architecture with Superb Energy Density for Flexible Supercapacitors. Advanced Functional Materials, 2014, 24, 2938-2946.	7.8	646
3	Active Site Dependent Reaction Mechanism over Ru/CeO <sub>2</sub> Catalyst toward CO <sub>2</sub> Methanation. Journal of the American Chemical Society, 2016, 138, 6298-6305.	6.6	489
4	Directed Growth of Metal-Organic Frameworks and Their Derived Carbon-Based Network for Efficient Electrocatalytic Oxygen Reduction. Advanced Materials, 2016, 28, 2337-2344.	11.1	448
5	TiO <sub>2</sub> /graphene/NiFe-layered double hydroxide nanorod array photoanodes for efficient photoelectrochemical water splitting. Energy and Environmental Science, 2016, 9, 2633-2643.	15.6	442
6	Fast electrosynthesis of Fe-containing layered double hydroxide arrays toward highly efficient electrocatalytic oxidation reactions. Chemical Science, 2015, 6, 6624-6631.	3.7	378
7	Layered Double Hydroxide-based Nanomaterials as Highly Efficient Catalysts and Adsorbents. Small, 2014, 10, 4469-4486.	5.2	363
8	Layered double hydroxides toward electrochemical energy storage and conversion: design, synthesis and applications. Chemical Communications, 2015, 51, 15880-15893.	2.2	361
9	Layered Double Hydroxide-based Catalysts: Recent Advances in Preparation, Structure, and Applications. Advanced Functional Materials, 2018, 28, 1802943.	7.8	317
10	A flexible all-solid-state micro-supercapacitor based on hierarchical CuO@layered double hydroxide core-shell nanoarrays. Nano Energy, 2016, 20, 294-304.	8.2	300
11	Layered double hydroxide-based catalysts: nanostructure design and catalytic performance. Chemical Communications, 2013, 49, 5912.	2.2	289
12	Platinum-copper single atom alloy catalysts with high performance towards glycerol hydrogenolysis. Nature Communications, 2019, 10, 5812.	5.8	277
13	TiO <sub>2</sub> -Modified Ni Nanocatalyst with Tunable Metal-Support Interaction for Water-Gas Shift Reaction. ACS Catalysis, 2017, 7, 7600-7609.	5.5	268
14	Hierarchical Nanowire Arrays Based on ZnO Core-Layered Double Hydroxide Shell for Largely Enhanced Photoelectrochemical Water Splitting. Advanced Functional Materials, 2014, 24, 580-586.	7.8	252
15	NiTi-Layered double hydroxides nanosheets as efficient photocatalysts for oxygen evolution from water using visible light. Chemical Science, 2014, 5, 951-958.	3.7	250
16	Enhanced low-temperature activity of CO <sub>2</sub> methanation over highly-dispersed Ni/TiO <sub>2</sub> catalyst. Catalysis Science and Technology, 2013, 3, 2627.	2.1	246
17	Nano-photosensitizer based on layered double hydroxide and isophthalic acid for singlet oxygenation and photodynamic therapy. Nature Communications, 2018, 9, 2798.	5.8	231
18	Inorganic nanomaterials for bioimaging, targeted drug delivery and therapeutics. Chemical Communications, 2014, 50, 14071-14081.	2.2	226

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19	TiO <sub>2</sub> @Layered Double Hydroxide Core-Shell Nanospheres with Largely Enhanced Photocatalytic Activity Toward O <sub>2</sub> Generation. <i>Advanced Functional Materials</i> , 2015, 25, 2243-2249.	7.8	223
20	CoMn-layered double hydroxide nanowalls supported on carbon fibers for high-performance flexible energy storage devices. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8836.	5.2	218
21	Reversibly Thermochromic, Fluorescent Ultrathin Films with a Supramolecular Architecture. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 720-723.	7.2	212
22	Insights into Interfacial Synergistic Catalysis over Ni@TiO <sub>2</sub> Catalyst toward Water-Gas Shift Reaction. <i>Journal of the American Chemical Society</i> , 2018, 140, 11241-11251.	6.6	208
23	Two-dimensional ultrathin arrays of CoP: Electronic modulation toward high performance overall water splitting. <i>Nano Energy</i> , 2017, 41, 583-590.	8.2	207
24	Hierarchical CoNiSulfide Nanosheet Arrays Derived from Layered Double Hydroxides toward Efficient Hydrazine Electrooxidation. <i>Advanced Materials</i> , 2017, 29, 1604080.	11.1	196
25	Two-Component Molecular Materials of 2,5-Diphenyloxazole Exhibiting Tunable Ultraviolet/Blue Polarized Emission, Pump-Enhanced Luminescence, and Mechanochromic Response. <i>Advanced Functional Materials</i> , 2014, 24, 587-594.	7.8	190
26	A Surface Defect-Promoted Ni Nanocatalyst with Simultaneously Enhanced Activity and Stability. <i>Chemistry of Materials</i> , 2013, 25, 1040-1046.	3.2	184
27	Au nanoparticles sensitized ZnO nanorod@nanoplatelet core-shell arrays for enhanced photoelectrochemical water splitting. <i>Nano Energy</i> , 2015, 12, 231-239.	8.2	175
28	Hierarchical NiFe Layered Double Hydroxide Hollow Microspheres with Highly-Efficient Behavior toward Oxygen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 33697-33703.	4.0	175
29	Two-dimensional nanomaterials: fascinating materials in biomedical field. <i>Science Bulletin</i> , 2019, 64, 1707-1727.	4.3	171
30	Theoretical and Experimental Study on M <sup>II</sup> -Layered Double Hydroxides as Efficient Photocatalysts toward Oxygen Evolution from Water. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18823-18834.	1.5	170
31	Localization of Au Nanoclusters on Layered Double Hydroxides Nanosheets: Confinement-Induced Emission Enhancement and Temperature-Responsive Luminescence. <i>Advanced Functional Materials</i> , 2015, 25, 5006-5015.	7.8	167
32	Layered Host-Guest Materials with Reversible Piezochromic Luminescence. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7037-7040.	7.2	165
33	Au <sup>+</sup> @O <sub>v</sub> -Ti <sup>3+</sup> Interfacial Site: Catalytic Active Center toward Low-Temperature Water Gas Shift Reaction. <i>ACS Catalysis</i> , 2019, 9, 2707-2717.	5.5	153
34	A Control over Hydrogenation Selectivity of Furfural via Tuning Exposed Facet of Ni Catalysts. <i>ACS Catalysis</i> , 2019, 9, 4226-4235.	5.5	149
35	Visible-Light-Responsive Photocatalysts toward Water Oxidation Based on NiTi-Layered Double Hydroxide/Reduced Graphene Oxide Composite Materials. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 10233-10239.	4.0	147
36	Monolayer Nanosheets with an Extremely High Drug Loading toward Controlled Delivery and Cancer Theranostics. <i>Advanced Materials</i> , 2018, 30, e1707389.	11.1	142

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37	Application of Zero-Dimensional Nanomaterials in Biosensing. <i>Frontiers in Chemistry</i> , 2020, 8, 320.	1.8	141
38	NiSn Atomic Pair on an Integrated Electrode for Synergistic Electrocatalytic CO <sub>2</sub> Reduction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7382-7388.	7.2	137
39	A hierarchical heterostructure based on Pd nanoparticles/layered double hydroxide nanowalls for enhanced ethanol electrooxidation. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5840.	5.2	130
40	Photo-assisted synthesis of zinc-iron layered double hydroxides/TiO <sub>2</sub> nanoarrays toward highly-efficient photoelectrochemical water splitting. <i>Nano Energy</i> , 2017, 33, 21-28.	8.2	130
41	Directed synthesis of carbon nanotube arrays based on layered double hydroxides toward highly-efficient bifunctional oxygen electrocatalysis. <i>Nano Energy</i> , 2017, 37, 98-107.	8.2	129
42	Metal Phosphides Derived from Hydrotalcite Precursors toward the Selective Hydrogenation of Phenylacetylene. <i>ACS Catalysis</i> , 2015, 5, 5756-5765.	5.5	128
43	Carbon modified transition metal oxides/hydroxides nanoarrays toward high-performance flexible all-solid-state supercapacitors. <i>Nano Energy</i> , 2017, 41, 408-416.	8.2	126
44	Carbon-based electrocatalyst derived from bimetallic metal-organic framework arrays for high performance oxygen reduction. <i>Nano Energy</i> , 2016, 25, 100-109.	8.2	124
45	Confined Synthesis of 2D Nanostructured Materials toward Electrocatalysis. <i>Advanced Energy Materials</i> , 2020, 10, 1900486.	10.2	123
46	Promoted Synergic Catalysis between Metal Ni and Acid-Base Sites toward Oxidant-Free Dehydrogenation of Alcohols. <i>ACS Catalysis</i> , 2017, 7, 2735-2743.	5.5	120
47	Fabrication of (Ni,Co) <sub>0.85</sub> Se nanosheet arrays derived from layered double hydroxides toward largely enhanced overall water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7585-7591.	5.2	118
48	Hierarchical Conducting Polymer@Clay Core-Shell Arrays for Flexible All-Solid-State Supercapacitor Devices. <i>Small</i> , 2015, 11, 3530-3538.	5.2	116
49	Optical pH Sensor with Rapid Response Based on a Fluorescein-Intercalated Layered Double Hydroxide. <i>Advanced Functional Materials</i> , 2010, 20, 3856-3863.	7.8	114
50	Band Structure Engineering of Transition-Metal-Based Layered Double Hydroxides toward Photocatalytic Oxygen Evolution from Water: A Theoretical-Experimental Combination Study. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2683-2695.	1.5	113
51	A Supramolecular Photosensitizer with Excellent Anticancer Performance in Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2014, 24, 3144-3151.	7.8	110
52	CeO <sub>2</sub> -based heterogeneous catalysts toward catalytic conversion of CO <sub>2</sub> . <i>Journal of Materials Chemistry A</i> , 2016, 4, 5773-5783.	5.2	110
53	Low-temperature hydrogenation of dimethyl oxalate to ethylene glycol via ternary synergistic catalysis of Cu and acid-base sites. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 394-404.	10.8	109
54	Hierarchical Layered Double Hydroxide Microspheres with Largely Enhanced Performance for Ethanol Electrooxidation. <i>Advanced Functional Materials</i> , 2013, 23, 3513-3518.	7.8	107

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55	Recent advances in innovative strategies for enhanced cancer photodynamic therapy. <i>Theranostics</i> , 2021, 11, 3278-3300.	4.6	107
56	Heterogeneous Transparent Ultrathin Films with Tunable Color Luminescence Based on the Assembly of Photoactive Organic Molecules and Layered Double Hydroxides. <i>Advanced Functional Materials</i> , 2011, 21, 2497-2505.	7.8	106
57	Catalytic conversion of syngas to mixed alcohols over CuFe-based catalysts derived from layered double hydroxides. <i>Catalysis Science and Technology</i> , 2013, 3, 1324.	2.1	106
58	Selective Hydrogenation of Cinnamaldehyde over Co-Based Intermetallic Compounds Derived from Layered Double Hydroxides. <i>ACS Catalysis</i> , 2018, 8, 11749-11760.	5.5	106
59	Ordered-Vacancy-Induced Cation Intercalation into Layered Double Hydroxides: A General Approach for High-Performance Supercapacitors. <i>CheM</i> , 2018, 4, 2168-2179.	5.8	105
60	Layer-by-layer assembly of exfoliated layered double hydroxide nanosheets for enhanced electrochemical oxidation of water. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11516-11523.	5.2	104
61	Ni-In Intermetallic Nanocrystals as Efficient Catalysts toward Unsaturated Aldehydes Hydrogenation. <i>Chemistry of Materials</i> , 2013, 25, 3888-3896.	3.2	103
62	Transparent, Flexible Films Based on Layered Double Hydroxide/Cellulose Acetate with Excellent Oxygen Barrier Property. <i>Advanced Functional Materials</i> , 2014, 24, 514-521.	7.8	101
63	Core-shell Cu@(CuCo-alloy)/Al <sub>2</sub> O <sub>3</sub> catalysts for the synthesis of higher alcohols from syngas. <i>Green Chemistry</i> , 2015, 17, 1525-1534.	4.6	93
64	Advances in efficient electrocatalysts based on layered double hydroxides and their derivatives. <i>Journal of Energy Chemistry</i> , 2017, 26, 1094-1106.	7.1	93
65	Polysulfide Confinement and Highly Efficient Conversion on Hierarchical Mesoporous Carbon Nanosheets for Li-S Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1901935.	10.2	93
66	Visible-light-driven overall water splitting with a largely-enhanced efficiency over a Cu <sub>2</sub> O@ZnCr-layered double hydroxide photocatalyst. <i>Nano Energy</i> , 2017, 32, 463-469.	8.2	92
67	The selective hydrogenation of furfural over intermetallic compounds with outstanding catalytic performance. <i>Green Chemistry</i> , 2019, 21, 5352-5362.	4.6	92
68	Atomically-ordered active sites in NiMo intermetallic compound toward low-pressure hydrodeoxygenation of furfural. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119569.	10.8	92
69	Recent advances in photofunctional guest/layered double hydroxide host composite systems and their applications: experimental and theoretical perspectives. <i>Journal of Materials Chemistry</i> , 2011, 21, 13128.	6.7	91
70	Single-Atomic-Co Electrocatalysts with Self-Supported Architecture toward Oxygen-Involvement Reaction. <i>Advanced Functional Materials</i> , 2019, 29, 1906477.	7.8	91
71	Self-assembly of layered double hydroxide nanosheets/Au nanoparticles ultrathin films for enzyme-free electrocatalysis of glucose. <i>Journal of Materials Chemistry</i> , 2011, 21, 13926.	6.7	90
72	Enhancement of visible light photocatalysis by grafting ZnO nanoplatelets with exposed (0001) facets onto a hierarchical substrate. <i>Chemical Communications</i> , 2011, 47, 10797.	2.2	89

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73	Nickel-Gallium Intermetallic Nanocrystal Catalysts in the Semihydrogenation of Phenylacetylene. <i>ChemCatChem</i> , 2014, 6, 824-831.	1.8	89
74	Erasable Nanoporous Antireflection Coatings Based on the Reconstruction Effect of Layered Double Hydroxides. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2171-2174.	7.2	87
75	Layer-by-layer assembly of layered double hydroxide/cobalt phthalocyanine ultrathin film and its application for sensors. <i>Journal of Materials Chemistry</i> , 2011, 21, 2126-2130.	6.7	87
76	Organic-inorganic hybrid fluorescent ultrathin films and their sensor application for nitroaromatic explosives. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4128.	2.7	86
77	Multicomponent Transition Metal Dichalcogenide Nanosheets for Imaging-Guided Photothermal and Chemodynamic Therapy. <i>Advanced Science</i> , 2020, 7, 2000272.	5.6	86
78	Confined Synthesis of Carbon Nitride in a Layered Host Matrix with Unprecedented Solid-State Quantum Yield and Stability. <i>Advanced Materials</i> , 2018, 30, 1704376.	11.1	86
79	A NiAl layered double hydroxide@carbon nanoparticles hybrid electrode for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1682-1685.	5.2	84
80	CoFe-Cl Layered Double Hydroxide: A New Cathode Material for High-Performance Chloride Ion Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1900983.	7.8	83
81	Ultrathin layered double hydroxides nanosheets array towards efficient electrooxidation of 5-hydroxymethylfurfural coupled with hydrogen generation. <i>Applied Catalysis B: Environmental</i> , 2021, 299, 120669.	10.8	83
82	Layer-by-Layer Ultrathin Films of Azobenzene-Containing Polymer/Layered Double Hydroxides with Reversible Photoresponsive Behavior. <i>Journal of Physical Chemistry B</i> , 2010, 114, 5678-5685.	1.2	82
83	Directed synthesis of SnO <sub>2</sub> @BiVO <sub>4</sub> /Co-Pi photoanode for highly efficient photoelectrochemical water splitting and urea oxidation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6327-6336.	5.2	81
84	CdTe Quantum Dots/Layered Double Hydroxide Ultrathin Films with Multicolor Light Emission via Layer-by-Layer Assembly. <i>Advanced Functional Materials</i> , 2012, 22, 4940-4948.	7.8	80
85	Molecular-Scale Hybridization of Clay Monolayers and Conducting Polymer for Thin-Film Supercapacitors. <i>Advanced Functional Materials</i> , 2015, 25, 2745-2753.	7.8	80
86	Manipulating interstitial carbon atoms in the nickel octahedral site for highly efficient hydrogenation of alkyne. <i>Nature Communications</i> , 2020, 11, 3324.	5.8	80
87	Ultrathin CoNiP@Layered Double Hydroxides Core-Shell Nanosheets Arrays for Largely Enhanced Overall Water Splitting. <i>ACS Applied Energy Materials</i> , 2018, 1, 623-631.	2.5	79
88	Supported nickel-iron nanocomposites as a bifunctional catalyst towards hydrogen generation from N <sub>2</sub> H <sub>4</sub> -H <sub>2</sub> O. <i>Green Chemistry</i> , 2014, 16, 1560.	4.6	78
89	Insights on Active Sites of CaAl-Hydrotalcite as a High-Performance Solid Base Catalyst toward Aldol Condensation. <i>ACS Catalysis</i> , 2018, 8, 656-664.	5.5	78
90	Interfacial Fe <sub>5</sub> C <sub>2</sub> -Cu catalysts toward low-pressure syngas conversion to long-chain alcohols. <i>Nature Communications</i> , 2020, 11, 61.	5.8	78

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91	A pH-responsive ultrathin Cu-based nanoplatform for specific photothermal and chemodynamic synergistic therapy. <i>Chemical Science</i> , 2021, 12, 2594-2603.	3.7	78
92	Flexible hierarchical nanocomposites based on MnO <sub>2</sub> nanowires/CoAl hydrotalcite/carbon fibers for high-performance supercapacitors. <i>RSC Advances</i> , 2013, 3, 1045-1049.	1.7	75
93	Terbium doped ZnCr-layered double hydroxides with largely enhanced visible light photocatalytic performance. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3907-3913.	5.2	70
94	Study on the Photochromism of Ni <sup>2+</sup> /Al Layered Double Hydroxides Containing Nitrate Anions. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 2831-2838.	1.0	69
95	Hydrogenation mechanism of carbon dioxide and carbon monoxide on Ru(0001) surface: a density functional theory study. <i>RSC Advances</i> , 2014, 4, 30241.	1.7	69
96	Mesoporous graphene-layered double hydroxides free-standing films for enhanced flexible supercapacitors. <i>Chemical Engineering Journal</i> , 2016, 289, 85-92.	6.6	68
97	Highly-efficient RuNi single-atom alloy catalysts toward chemoselective hydrogenation of nitroarenes. <i>Nature Communications</i> , 2022, 13, .	5.8	68
98	Synergistic catalysis by polyoxometalate-intercalated layered double hydroxides: oximation of aromatic aldehydes with large enhancement of selectivity. <i>Green Chemistry</i> , 2011, 13, 384.	4.6	67
99	Temperature-Controlled Electrochemical Switch Based on Layered Double Hydroxide/Poly( <i>N</i> -Isopropylacrylamide) Ultrathin Films Fabricated via Layer-by-Layer Assembly. <i>Langmuir</i> , 2012, 28, 9535-9542.	1.6	65
100	ZrO <sub>2-x</sub> modified Cu nanocatalysts with synergistic catalysis towards carbon-oxygen bond hydrogenation. <i>Applied Catalysis B: Environmental</i> , 2021, 280, 119406.	10.8	65
101	Magnetic-field-assisted assembly of CoFe layered double hydroxide ultrathin films with enhanced electrochemical behavior and magnetic anisotropy. <i>Chemical Communications</i> , 2011, 47, 3171.	2.2	63
102	Intermetallic compound catalysts: synthetic scheme, structure characterization and catalytic application. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2207-2221.	5.2	63
103	Highly dispersed nano-enzyme triggered intracellular catalytic reaction toward cancer specific therapy. <i>Biomaterials</i> , 2020, 258, 120257.	5.7	63
104	Large oriented mesoporous self-supporting Ni <sup>2+</sup> /Al oxide films derived from layered double hydroxide precursors. <i>Journal of Materials Chemistry</i> , 2008, 18, 2666.	6.7	61
105	Synthesis of supported Ni@(RhNi-alloy) nanocomposites as an efficient catalyst towards hydrogen generation from N <sub>2</sub> H <sub>4</sub> BH <sub>3</sub> . <i>Chemical Communications</i> , 2013, 49, 9992.	2.2	61
106	Ultrahigh-rate-capability of a layered double hydroxide supercapacitor based on a self-generated electrolyte reservoir. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8421-8427.	5.2	61
107	Binary Cu <sup>2+</sup> /Co catalysts derived from hydrotalcites with excellent activity and recyclability towards NH <sub>3</sub> BH <sub>3</sub> dehydrogenation. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5370.	5.2	60
108	Modification of luminescent properties of a coumarin derivative by formation of multi-component crystals. <i>CrystEngComm</i> , 2012, 14, 5121.	1.3	59



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109	Mechanochemical synthesis of a fluorenone-based metal organic framework with polarized fluorescence: an experimental and computational study. <i>Journal of Materials Chemistry C</i> , 2013, 1, 997-1004.	2.7	59
110	Charge-separated metal-couple-site in NiZn alloy catalysts towards furfural hydrodeoxygenation reaction. <i>Journal of Catalysis</i> , 2020, 392, 69-79.	3.1	59
111	Tris(8-hydroxyquinoline-5-sulfonate)aluminum Intercalated Mg-Al Layered Double Hydroxide with Blue Luminescence by Hydrothermal Synthesis. <i>Advanced Functional Materials</i> , 2010, 20, 2848-2856.	7.8	58
112	NiBi intermetallic compounds catalyst toward selective hydrogenation of unsaturated aldehydes. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119273.	10.8	57
113	Synthesis and antimicrobial activity of ZnTi-layered double hydroxide nanosheets. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5988.	2.9	56
114	Alkaline-assisted Ni nanocatalysts with largely enhanced low-temperature activity toward CO <sub>2</sub> methanation. <i>Catalysis Science and Technology</i> , 2016, 6, 3976-3983.	2.1	56
115	Layer-by-layer assembly of porphyrin/layered double hydroxide ultrathin film and its electrocatalytic behavior for H <sub>2</sub> O <sub>2</sub> . <i>Electrochemistry Communications</i> , 2010, 12, 1077-1080.	2.3	55
116	Fabrication of Hierarchical Layered Double Hydroxide Framework on Aluminum Foam as a Structured Adsorbent for Water Treatment. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 285-291.	1.8	55
117	Humidity-triggered self-healing films with excellent oxygen barrier performance. <i>Chemical Communications</i> , 2014, 50, 7136.	2.2	55
118	Photohole-oxidation-assisted anchoring of ultra-small Ru clusters onto TiO <sub>2</sub> with excellent catalytic activity and stability. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2461.	5.2	54
119	Transparent, Ultrahigh Gas Barrier Films with a Brick-Mortar-Sand Structure. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9673-9678.	7.2	54
120	Layered double hydroxide monolayers for controlled loading and targeted delivery of anticancer drugs. <i>Nano Research</i> , 2018, 11, 195-205.	5.8	52
121	Pt atomic clusters catalysts with local charge transfer towards selective oxidation of furfural. <i>Applied Catalysis B: Environmental</i> , 2021, 295, 120290.	10.8	52
122	ZnO Nanotubes Grown at Low Temperature Using Ga as Catalysts and Their Enhanced Photocatalytic Activities. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10379-10383.	1.5	51
123	A bottom-up synthesis of rare-earth-hydroxalcite monolayer nanosheets toward multimode imaging and synergetic therapy. <i>Chemical Science</i> , 2018, 9, 5630-5639.	3.7	51
124	Synergetic effect of Cu <sub>0</sub> ~ Cu <sup>+</sup> derived from layered double hydroxides toward catalytic transfer hydrogenation reaction. <i>Applied Catalysis B: Environmental</i> , 2022, 314, 121515.	10.8	51
125	Tunable photoluminescence properties of fluorescein in a layered double hydroxide matrix and its application in sensors. <i>Journal of Materials Chemistry</i> , 2010, 20, 3901.	6.7	50
126	Hierarchical Structures Based on Functionalized Magnetic Cores and Layered Double Hydroxide Shells: Concept, Controlled Synthesis, and Applications. <i>Chemistry - A European Journal</i> , 2013, 19, 4100-4108.	1.7	49



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127	Catalytic behavior of supported Ru nanoparticles on the (101) and (001) facets of anatase TiO <sub>2</sub> . RSC Advances, 2014, 4, 10834.	1.7	49
128	Fabrication of host-guest UV-blocking materials by intercalation of fluorescent anions into layered double hydroxides. RSC Advances, 2015, 5, 23708-23714.	1.7	49
129	Ultralong-Life Chloride Ion Batteries Achieved by the Synergistic Contribution of Intralayer Metals in Layered Double Hydroxides. Advanced Functional Materials, 2020, 30, 1907448.	7.8	47
130	Ultrathin Mesoporous Co <sub>3</sub> O <sub>4</sub> Nanosheet Arrays for High-Performance Lithium-Ion Batteries. ACS Omega, 2018, 3, 1675-1683.	1.6	46
131	Integrated Nanostructural Electrodes Based on Layered Double Hydroxides. Energy and Environmental Materials, 2019, 2, 158-171.	7.3	46
132	Perspectives on Multifunctional Catalysts Derived from Layered Double Hydroxides toward Upgrading Reactions of Biomass Resources. ACS Catalysis, 2021, 11, 6440-6454.	5.5	46
133	Fabrication of MMO-TiO <sub>2</sub> one-dimensional photonic crystal and its application as a colorimetric sensor. Journal of Materials Chemistry, 2012, 22, 14001.	6.7	45
134	A 2D quantum dot-based electrochemiluminescence film sensor towards reversible temperature-sensitive response and nitrite detection. Journal of Materials Chemistry C, 2015, 3, 10099-10106.	2.7	45
135	Acid-base sites synergistic catalysis over Mg-Zr-Al mixed metal oxide toward synthesis of diethyl carbonate. RSC Advances, 2018, 8, 4695-4702.	1.7	45
136	Thin film of coumarin-3-carboxylate and surfactant co-intercalated layered double hydroxide with polarized photoluminescence: a joint experimental and molecular dynamics study. Journal of Materials Chemistry, 2010, 20, 5016.	6.7	44
137	Organic microbelt array based on hydrogen-bond architecture showing polarized fluorescence and two-photon emission. Journal of Materials Chemistry C, 2013, 1, 4138.	2.7	44
138	Active-Oxygen-Enhanced Homogeneous Nucleation of Lithium Metal on Ultrathin Layered Double Hydroxide. Angewandte Chemie - International Edition, 2019, 58, 3962-3966.	7.2	44
139	Metal-Support Synergistic Catalysis in Pt/MoO <sub>3</sub> Nanorods toward Ammonia Borane Hydrolysis with Efficient Hydrogen Generation. ACS Applied Materials & Interfaces, 2022, 14, 5275-5286.	4.0	44
140	Study on the intercalation and interlayer oxidation transformation of L-cysteine in a confined region of layered double hydroxides. Journal of Materials Chemistry, 2006, 16, 2102.	6.7	43
141	A structured catalyst based on cobalt phthalocyanine/calcined Mg-Al hydrotalcite film for the oxidation of mercaptan. Green Chemistry, 2012, 14, 1909.	4.6	43
142	Confinement Synthesis Based on Layered Double Hydroxides: A New Strategy to Construct Single-Atom-Containing Integrated Electrodes. Advanced Functional Materials, 2021, 31, 2008064.	7.8	43
143	Layer-by-Layer Assembly of Carbon Dots-Based Ultrathin Films with Enhanced Quantum Yield and Temperature Sensing Performance. Chemistry of Materials, 2016, 28, 5426-5431.	3.2	42
144	Ultrathin chalcogenide nanosheets for photoacoustic imaging-guided synergistic photothermal/gas therapy. Biomaterials, 2021, 273, 120807.	5.7	42

#	ARTICLE	IF	CITATIONS
145	Remarkable oxygen barrier films based on a layered double hydroxide/chitosan hierarchical structure. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12350-12356.	5.2	41
146	An atomic-confined-space separator for high performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1896-1903.	5.2	41
147	Mass-loading independent electrocatalyst with high performance for oxygen reduction reaction and Zn-air battery based on Co-N-codoped carbon nanotube assembled microspheres. <i>Chemical Engineering Journal</i> , 2019, 373, 734-743.	6.6	40
148	Surface-confined fluorescence enhancement of Au nanoclusters anchoring to a two-dimensional ultrathin nanosheet toward bioimaging. <i>Nanoscale</i> , 2016, 8, 9815-9821.	2.8	39
149	Electrochemiluminescence resonance energy transfer (ERET) towards trinitrotoluene sensor based on layer-by-layer assembly of luminol-layered double hydroxides and CdTe quantum dots. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3473-3479.	2.7	39
150	In situ synthesis of nitrogen-doped carbon dots in the interlayer region of a layered double hydroxide with tunable quantum yield. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3536-3541.	2.7	39
151	Hydroxalcite monolayer toward high performance synergistic dual-modal imaging and cancer therapy. <i>Biomaterials</i> , 2018, 165, 14-24.	5.7	39
152	Valence Force Field for Layered Double Hydroxide Materials Based on the Parameterization of Octahedrally Coordinated Metal Cations. <i>Journal of Physical Chemistry C</i> , 2012, 116, 3421-3431.	1.5	38
153	The reaction mechanism and selectivity of acetylene hydrogenation over Ni-Ga intermetallic compound catalysts: a density functional theory study. <i>Dalton Transactions</i> , 2018, 47, 4198-4208.	1.6	38
154	Tunable Self-Assembled Micro/Nanostructures of Carboxyl-Functionalized Squarylium Cyanine for Ammonia Sensing. <i>Advanced Functional Materials</i> , 2015, 25, 7442-7449.	7.8	37
155	Ru-Cluster-Modified Ni Surface Defects toward Selective Bond Breaking between C=O and C-C. <i>Chemistry of Materials</i> , 2016, 28, 4751-4761.	3.2	37
156	A layered drug nanovehicle toward targeted cancer imaging and therapy. <i>Journal of Materials Chemistry B</i> , 2016, 4, 1331-1336.	2.9	35
157	Photoelectrochemical Catalysis toward Selective Anaerobic Oxidation of Alcohols. <i>Chemistry - A European Journal</i> , 2017, 23, 8142-8147.	1.7	35
158	A CaMnAl-hydroxalcite solid basic catalyst toward the aldol condensation reaction with a comparable level to liquid alkali catalysts. <i>Green Chemistry</i> , 2018, 20, 3071-3080.	4.6	35
159	Layered double hydroxide nanosheets: towards ultrasensitive tumor microenvironment responsive synergistic therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1445-1455.	2.9	35
160	Preparation and characterization of l-cystine and l-cysteine intercalated layered double hydroxides. <i>Journal of Materials Science</i> , 2007, 42, 2684-2689.	1.7	34
161	Layered double hydroxide-based core-shell nanoarrays for efficient electrochemical water splitting. <i>Frontiers of Chemical Science and Engineering</i> , 2018, 12, 537-554.	2.3	33
162	A switchable electrochromism and electrochemiluminescence bifunctional sensor based on the electro-triggered isomerization of spiropyran/layered double hydroxides. <i>Chemical Communications</i> , 2017, 53, 8862-8865.	2.2	32

#	ARTICLE	IF	CITATIONS
163	Recent advancements in two-dimensional nanomaterials for drug delivery. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2020, 12, e1596.	3.3	32
164	Rh-TPPTS intercalated layered double hydroxides as hydroformylation catalyst. AIChE Journal, 2007, 53, 2916-2924.	1.8	31
165	Fabrication of pyrenetetrasulfonate/layered double hydroxide ultrathin films and their application in fluorescence chemosensors. Journal of Materials Chemistry, 2011, 21, 6088.	6.7	31
166	Synthesis of Co-Sn intermetallic nanocatalysts toward selective hydrogenation of citral. Journal of Materials Chemistry A, 2016, 4, 12825-12832.	5.2	31
167	Reduced titania@layered double hydroxide hybrid photoanodes for enhanced photoelectrochemical water oxidation. Journal of Materials Chemistry A, 2017, 5, 11016-11025.	5.2	31
168	Catalytic Conversion Furfuryl Alcohol to Tetrahydrofurfuryl Alcohol and 2-Methylfuran at Terrace, Step, and Corner Sites on Ni. ACS Catalysis, 2020, 10, 7240-7249.	5.5	31
169	DFT-Based Simulation and Experimental Validation of the Topotactic Transformation of MgAl Layered Double Hydroxides. ChemPhysChem, 2016, 17, 2754-2766.	1.0	30
170	Confined synthesis of ultrafine Ru-B amorphous alloy and its catalytic behavior toward selective hydrogenation of benzene. Journal of Materials Chemistry A, 2014, 2, 7570.	5.2	29
171	Recent advances for solid basic catalysts: Structure design and catalytic performance. Journal of Solid State Chemistry, 2019, 269, 184-194.	1.4	29
172	Double-active site synergistic catalysis in Ru-TiO <sub>2</sub> toward benzene hydrogenation to cyclohexene with largely enhanced selectivity. Catalysis Science and Technology, 2017, 7, 650-657.	2.1	28
173	Moisture-Permeable, Humidity-Enhanced Gas Barrier Films Based on Organic/Inorganic Multilayers. ACS Applied Materials & Interfaces, 2018, 10, 28130-28138.	4.0	28
174	Discovery of a new intercalation-type anode for high-performance sodium ion batteries. Journal of Materials Chemistry A, 2019, 7, 15371-15377.	5.2	28
175	A Facile and Green Synthesis Route to Mesoporous Spinel-type Zn-Al Complex Oxide. Industrial & Engineering Chemistry Research, 2008, 47, 1495-1500.	1.8	27
176	Glycerol aerobic oxidation to glyceric acid over Pt/hydroxalcite catalysts at room temperature. Science Bulletin, 2019, 64, 1764-1772.	4.3	27
177	Ce-Promoted Rh/TiO <sub>2</sub> Heterogeneous Catalysts Towards Ethanol Production from Syngas. Catalysis Letters, 2013, 143, 1247-1254.	1.4	26
178	Regular assembly of 9-fluorenone-2,7-dicarboxylate within layered double hydroxide and its solid-state photoluminescence: a combined experiment and computational study. RSC Advances, 2013, 3, 4303.	1.7	26
179	Cu-Decorated Ru Catalysts Supported on Layered Double Hydroxides for Selective Benzene Hydrogenation to Cyclohexene. ChemCatChem, 2015, 7, 846-855.	1.8	26
180	A supramolecular nanovehicle toward systematic, targeted cancer and tumor therapy. Chemical Science, 2015, 6, 5511-5518.	3.7	26

#	ARTICLE	IF	CITATIONS
181	Surface enhanced Raman scattering based on Au nanoparticles/layered double hydroxide ultrathin films. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5167-5174.	2.7	26
182	MoO <sub>3</sub> -Decorated Co-Based Catalysts toward the Hydrodeoxygenation Reaction of Biomass-Derived Platform Molecules. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 31799-31807.	4.0	26
183	Highly efficient metal-free electrocatalysts toward oxygen reduction derived from carbon nanotubes@polypyrrole core-shell hybrids. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18008-18014.	5.2	25
184	NiSn Atomic Pair on an Integrated Electrode for Synergistic Electrocatalytic CO <sub>2</sub> Reduction. <i>Angewandte Chemie</i> , 2021, 133, 7458-7464.	1.6	25
185	Atom-economical construction of carbon nanotube architectures for flexible supercapacitors with ultrahigh areal and volumetric capacities. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21287-21294.	5.2	24
186	Bridge-type interface optimization on a dual-semiconductor heterostructure toward high performance overall water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7871-7876.	5.2	23
187	Study of the In Situ Postintercalative Polymerization of Metanilic Anions Intercalated in NiAl-Layered Double Hydroxides under a Nitrogen Atmosphere. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 3442-3450.	1.0	22
188	A targeted agent with intercalation structure for cancer near-infrared imaging and photothermal therapy. <i>RSC Advances</i> , 2016, 6, 16608-16614.	1.7	22
189	PtIn Alloy Catalysts toward Selective Hydrogenolysis of Glycerol to 1,2-Propanediol. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 12999-13006.	1.8	22
190	A new family of rechargeable batteries based on halide ions shuttling. <i>Chemical Engineering Journal</i> , 2020, 389, 124376.	6.6	22
191	An ultrathin photosensitizer for simultaneous fluorescence imaging and photodynamic therapy. <i>Chemical Communications</i> , 2018, 54, 5760-5763.	2.2	21
192	Host-Guest Engineering of Layered Double Hydroxides towards Efficient Oxygen Evolution Reaction: Recent Advances and Perspectives. <i>Catalysts</i> , 2018, 8, 214.	1.6	21
193	Ultrathin Transition Metal Chalcogenide Nanosheets Synthesized <i>via</i> Topotactic Transformation for Effective Cancer Theranostics. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 48310-48320.	4.0	21
194	Preparation of acrylic acid and AMPS cointercalated layered double hydroxide and its application for superabsorbent. <i>Journal of Applied Polymer Science</i> , 2011, 121, 1661-1668.	1.3	20
195	Layered double hydroxide bio-composites toward excellent systematic anticancer therapy. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3212-3216.	2.9	20
196	Geometric effect promoted hydrotalcites catalysts towards aldol condensation reaction. <i>Chinese Journal of Catalysis</i> , 2020, 41, 1279-1287.	6.9	20
197	Magnesium-based layered double hydroxide nanosheets: a new bone repair material with unprecedented osteogenic differentiation performance. <i>Nanoscale</i> , 2020, 12, 19075-19082.	2.8	20
198	Intraparticle diffusion of 1-phenyl-1, 2-ethanediol in layered double hydroxides. <i>AIChE Journal</i> , 2007, 53, 1591-1600.	1.8	19

#	ARTICLE	IF	CITATIONS
199	Patterned fluorescence films with reversible thermal response based on the host-guest superarchitecture. <i>Journal of Materials Chemistry</i> , 2011, 21, 11116.	6.7	19
200	Preparation of a ternary Pd-Rh-P amorphous alloy and its catalytic performance in selective hydrogenation of alkynes. <i>Catalysis Science and Technology</i> , 2014, 4, 1920-1924.	2.1	19
201	Catalytic performance of layered double hydroxide nanosheets toward phenol hydroxylation. <i>RSC Advances</i> , 2016, 6, 105406-105411.	1.7	19
202	A supramolecular material for dual-modal imaging and targeted cancer therapy. <i>Talanta</i> , 2017, 165, 297-303.	2.9	19
203	Supported Ag Catalysts on Mg-Al Oxides toward Oxidant-Free Dehydrogenation Reaction of Benzyl Alcohol. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 15606-15612.	1.8	19
204	DFT Study on the Mechanism of the Water Gas Shift Reaction Over Ni <sub>x</sub> P <sub>y</sub> Catalysts: The Role of P. <i>Journal of Physical Chemistry C</i> , 2020, 124, 6598-6610.	1.5	18
205	Layered Double Hydroxide Materials: Assembly and Photofunctionality. <i>Structure and Bonding</i> , 2015, , 1-68.	1.0	17
206	The fabrication of oriented organic-inorganic ultrathin films with enhanced electrochromic properties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8284-8290.	2.7	17
207	Multi-dimensional, light-controlled switch of fluorescence resonance energy transfer based on orderly assembly of OD dye@micro-micelles and 2D ultrathin-layered nanosheets. <i>Nano Research</i> , 2016, 9, 3828-3838.	5.8	17
208	Metal-acid site synergistic catalysis in Ru-ZrO <sub>2</sub> toward selective hydrogenation of benzene to cyclohexene. <i>Catalysis Science and Technology</i> , 2018, 8, 236-243.	2.1	17
209	Fabrication of an anionic polythiophene/layered double hydroxide ultrathin film showing red luminescence and reversible pH photoresponse. <i>AIChE Journal</i> , 2011, 57, 1926-1935.	1.8	16
210	Intelligent display films with tunable color emission based on a supermolecular architecture. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5654.	2.7	16
211	A Chiroptical Switch Based on DNA/Layered Double Hydroxide Ultrathin Films. <i>Langmuir</i> , 2014, 30, 12916-12922.	1.6	16
212	A Light-Triggered Switch Based on Spiropyran/Layered Double Hydroxide Ultrathin Films. <i>Journal of Physical Chemistry C</i> , 2015, 119, 7428-7435.	1.5	16
213	A luminescent ultrathin film with reversible sensing toward pressure. <i>Chemical Communications</i> , 2016, 52, 4663-4666.	2.2	16
214	Hybrid films with excellent oxygen and water vapor barrier properties as efficient anticorrosive coatings. <i>RSC Advances</i> , 2018, 8, 21651-21657.	1.7	16
215	Hydroxide-ion-conductive gas barrier films based on layered double hydroxide/polysulfone multilayers. <i>Chemical Communications</i> , 2018, 54, 7778-7781.	2.2	15
216	Two-color polarized emission and angle-dependent luminescence based on layer-by-layer assembly of binary chromophores/layered double hydroxide thin films. <i>New Journal of Chemistry</i> , 2013, 37, 4110.	1.4	14

#	ARTICLE	IF	CITATIONS
217	Surfactant-free platinum nanocubes with greatly enhanced activity towards methanol/ethanol electrooxidation. <i>RSC Advances</i> , 2014, 4, 28832.	1.7	14
218	The synthesis of a DHAD/ZnAlTi-LDH composite with advanced UV blocking and antibacterial activity for skin protection. <i>RSC Advances</i> , 2020, 10, 9786-9790.	1.7	14
219	Size Effect of Layered Double Hydroxide Platelets on the Crystallization Behavior of Isotactic Polypropylene. <i>ACS Omega</i> , 2017, 2, 4253-4260.	1.6	13
220	Active Oxygen-Enhanced Homogeneous Nucleation of Lithium Metal on Ultrathin Layered Double Hydroxide. <i>Angewandte Chemie</i> , 2019, 131, 4002-4006.	1.6	13
221	Charge-Mediated Au <sup>+</sup> Oxygen Vacancy towards Glycerol Oxidation with Largely Improved Catalytic Performance. <i>Applied Catalysis A: General</i> , 2020, 598, 117558.	2.2	13
222	Facile Fabrication of Highly Dispersed Nickel Nanoparticles with Largely Enhanced Electrocatalytic Activity. <i>Electroanalysis</i> , 2013, 25, 1594-1598.	1.5	12
223	Flexible and transparent free-standing films with enhanced magnetic and luminescent anisotropy. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4786.	5.2	12
224	The Periodic Table as a Guide to the Construction and Properties of Layered Double Hydroxides. <i>Structure and Bonding</i> , 2019, , 89-120.	1.0	12
225	Supercapacitors: Hierarchical Conducting Polymer@Clay Core-Shell Arrays for Flexible All-Solid-State Supercapacitor Devices (Small 29/2015). <i>Small</i> , 2015, 11, 3529-3529.	5.2	11
226	Water-Gas-Shift Reaction on Au/TiO <sub>2</sub> Catalysts with Various TiO <sub>2</sub> Crystalline Phases: A Theoretical and Experimental Study. <i>Journal of Physical Chemistry C</i> , 2021, 125, 20360-20372.	1.5	11
227	Preparation and Catalytic Performance of Supported Catalysts Derived from Layered Double Hydroxides. <i>Acta Chimica Sinica</i> , 2019, 77, 1129.	0.5	11
228	Studies on structure and electrochemical properties of pillared MnO <sub>2</sub> (M=Ba <sup>2+</sup> , Sr <sup>2+</sup> , ZrO <sub>2</sub> <sup>+</sup> ). <i>Journal of Solid State Electrochemistry</i> , 2007, 11, 1157-1162.	1.2	10
229	Tunable/switchable one-dimensional photonic crystals based on a multilayer architecture of layered double hydroxides and titanium dioxide. <i>RSC Advances</i> , 2012, 2, 10488.	1.7	10
230	Theoretical study on the reaction mechanism and selectivity of acetylene semi-hydrogenation on Ni <sub>3</sub> Sn intermetallic catalysts. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1384-1392.	1.3	10
231	Oxygen binding energy of doped metal: a shortcut to efficient Ni-based bimetallic catalysts for the hydrodeoxygenation reaction. <i>Catalysis Science and Technology</i> , 2021, 11, 4376-4386.	2.1	10
232	The catalytic mechanism of the Au@TiO <sub>2</sub> /ZnO catalyst towards a low-temperature water-gas shift reaction. <i>Catalysis Science and Technology</i> , 2020, 10, 768-775.	2.1	9
233	NiFe saponite as a new anode material for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6539-6545.	5.2	9
234	Machine-Learning-Assisted Catalytic Performance Predictions of Single-Atom Alloys for Acetylene Semihydrogenation. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 25288-25296.	4.0	9



#	ARTICLE	IF	CITATIONS
235	A Structured Catalyst toward Mercaptan Sweetening with Largely Enhanced Synergistic Effect. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 4595-4603.	1.8	8
236	Preparation of Rh-TPPTS complex intercalated layered double hydroxide and influences of host and guest compositions on its catalytic performances in hydroformylation reaction. <i>Science Bulletin</i> , 2008, 53, 1329-1336.	4.3	7
237	Boosting Areal Capacitance and Energy Density of a Flexible Supercapacitor Based on High-Mass-Loading Layered Double Hydroxides. <i>ACS Applied Energy Materials</i> , 2021, 4, 6302-6309.	2.5	7
238	Controlled polymerization of metanilic anion within the interlayer of NiAl layered double hydroxide. <i>Clays and Clay Minerals</i> , 2006, 54, 418-425.	0.6	6
239	Fabrication of Acid Violet 34/Nickel Hydroxide Ultrathin Film and Its Electrocatalytic Performance for Glucose. <i>Electroanalysis</i> , 2012, 24, 1192-1200.	1.5	5
240	Pillaring-Effect Induced Ultrahigh-Rate Pseudocapacitive Energy Storage Based on Layered Double Hydroxide Nanoplate Arrays. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 11954-11963.	1.8	5
241	Precise Control over Local Atomic Structures in Ni-Mo Bimetallic Alloys for the Hydrodeoxygenation Reaction: A Combination between Density Functional Theory and Microkinetic Modeling. <i>Journal of Physical Chemistry C</i> , 2022, 126, 4319-4328.	1.5	5
242	Combined <i>In Situ</i> and <i>In Silico</i> Studies of Guest Intercalation into the Layered Double Hydroxide $[\text{LiAl}_2(\text{OH})_6]\text{X}\cdot\text{H}_2\text{O}$ . <i>Journal of Physical Chemistry C</i> , 2015, 119, 18729-18740.	1.5	4
243	Structural Design and Performance of Electrocatalysts for Carbon Dioxide Reduction: A Review. <i>Acta Chimica Sinica</i> , 2022, 80, 199.	0.5	3
244	MULTICOLOR LUMINESCENCE: Heterogeneous Transparent Ultrathin Films with Tunable-Color Luminescence Based on the Assembly of Photoactive Organic Molecules and Layered Double Hydroxides ( <i>Adv. Funct. Mater.</i> 13/2011). <i>Advanced Functional Materials</i> , 2011, 21, 2496-2496.	7.8	2
245	Mechanistic insights into artificial metalloenzymes towards imine reduction. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 23408-23417.	1.3	2
246	Photoresponsive thin films containing an azobenzene derivative intercalated with a layered double hydroxide. <i>Science Bulletin</i> , 2010, 55, 3894-3900.	1.7	1
247	Supramolecular Materials: Two-Component Molecular Materials of 2,5-Diphenyloxazole Exhibiting Tunable Ultraviolet/Blue Polarized Emission, Pump-Enhanced Luminescence, and Mechanochromic Response ( <i>Adv. Funct. Mater.</i> 5/2014). <i>Advanced Functional Materials</i> , 2014, 24, 720-720.	7.8	1