

# Min Wei

## List of Publications by Year in descending order

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247  
papers

20,517  
citations

5891

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12933

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257  
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257  
docs citations

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times ranked

20300  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metalâ€‘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
2	Structural Design and Performance of Electrocatalysts for Carbon Dioxide Reduction: A Review. Acta Chimica Sinica, 2022, 80, 199.	0.5	3
3	Precise Control over Local Atomic Structures in Niâ€‘Mo Bimetallic Alloys for the Hydrodeoxygenation Reaction: A Combination between Density Functional Theory and Microkinetic Modeling. Journal of Physical Chemistry C, 2022, 126, 4319-4328.	1.5	5
4	Synergetic effect of Cu <sub>0</sub> âˆ’ Cu <sup>+</sup> derived from layered double hydroxides toward catalytic transfer hydrogenation reaction. Applied Catalysis B: Environmental, 2022, 314, 121515.	10.8	51
5	Machine-Learning-Assisted Catalytic Performance Predictions of Single-Atom Alloys for Acetylene Semihydrogenation. ACS Applied Materials & Interfaces, 2022, 14, 25288-25296.	4.0	9
6	Highly-efficient RuNi single-atom alloy catalysts toward chemoselective hydrogenation of nitroarenes. Nature Communications, 2022, 13, .	5.8	68
7	ZrO <sub>2-x</sub> modified Cu nanocatalysts with synergistic catalysis towards carbon-oxygen bond hydrogenation. Applied Catalysis B: Environmental, 2021, 280, 119406.	10.8	65
8	Atomically-ordered active sites in NiMo intermetallic compound toward low-pressure hydrodeoxygenation of furfural. Applied Catalysis B: Environmental, 2021, 282, 119569.	10.8	92
9	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
10	NiSn Atomic Pair on an Integrated Electrode for Synergistic Electrocatalytic CO <sub>2</sub> Reduction. Angewandte Chemie - International Edition, 2021, 60, 7382-7388.	7.2	137
11	A pH-responsive ultrathin Cu-based nanoplatform for specific photothermal and chemodynamic synergistic therapy. Chemical Science, 2021, 12, 2594-2603.	3.7	78
12	NiSn Atomic Pair on an Integrated Electrode for Synergistic Electrocatalytic CO <sub>2</sub> Reduction. Angewandte Chemie, 2021, 133, 7458-7464.	1.6	25
13	Perspectives on Multifunctional Catalysts Derived from Layered Double Hydroxides toward Upgrading Reactions of Biomass Resources. ACS Catalysis, 2021, 11, 6440-6454.	5.5	46
14	Boosting Areal Capacitance and Energy Density of a Flexible Supercapacitor Based on High-Mass-Loading Layered Double Hydroxides. ACS Applied Energy Materials, 2021, 4, 6302-6309.	2.5	7
15	Ultrathin chalcogenide nanosheets for photoacoustic imaging-guided synergistic photothermal/gas therapy. Biomaterials, 2021, 273, 120807.	5.7	42
16	MoO <sub>x</sub> -Decorated Co-Based Catalysts toward the Hydrodeoxygenation Reaction of Biomass-Derived Platform Molecules. ACS Applied Materials & Interfaces, 2021, 13, 31799-31807.	4.0	26
17	Water-Gas-Shift Reaction on Au/TiO <sub>2</sub> Catalysts with Various TiO <sub>2</sub> Crystalline Phases: A Theoretical and Experimental Study. Journal of Physical Chemistry C, 2021, 125, 20360-20372.	1.5	11
18	Pt atomic clusters catalysts with local charge transfer towards selective oxidation of furfural. Applied Catalysis B: Environmental, 2021, 295, 120290.	10.8	52

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19	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
20	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
21	Recent advances in innovative strategies for enhanced cancer photodynamic therapy. <i>Theranostics</i> , 2021, 11, 3278-3300.	4.6	107
22	Confined Synthesis of 2D Nanostructured Materials toward Electrocatalysis. <i>Advanced Energy Materials</i> , 2020, 10, 1900486.	10.2	123
23	Recent advancements in two-dimensional nanomaterials for drug delivery. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020, 12, e1596.	3.3	32
24	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
25	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
26	Ultralong-Life Chloride Ion Batteries Achieved by the Synergistic Contribution of Intralayer Metals in Layered Double Hydroxides. <i>Advanced Functional Materials</i> , 2020, 30, 1907448.	7.8	47
27	Intermetallic compound catalysts: synthetic scheme, structure characterization and catalytic application. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2207-2221.	5.2	63
28	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
29	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
30	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
31	Multicomponent Transition Metal Dichalcogenide Nanosheets for Imaging-Guided Photothermal and Chemodynamic Therapy. <i>Advanced Science</i> , 2020, 7, 2000272.	5.6	86
32	Ultrathin Transition Metal Chalcogenide Nanosheets Synthesized via Topotactic Transformation for Effective Cancer Theranostics. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 48310-48320.	4.0	21
33	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
34	Highly dispersed nano-enzyme triggered intracellular catalytic reaction toward cancer specific therapy. <i>Biomaterials</i> , 2020, 258, 120257.	5.7	63
35	Catalytic Conversion Furfuryl Alcohol to Tetrahydrofurfuryl Alcohol and 2-Methylfuran at Terrace, Step, and Corner Sites on Ni. <i>ACS Catalysis</i> , 2020, 10, 7240-7249.	5.5	31
36	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

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37	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
38	Geometric effect promoted hydrotalcites catalysts towards aldol condensation reaction. <i>Chinese Journal of Catalysis</i> , 2020, 41, 1279-1287.	6.9	20
39	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
40	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
41	NiBi intermetallic compounds catalyst toward selective hydrogenation of unsaturated aldehydes. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119273.	10.8	57
42	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
43	A new family of rechargeable batteries based on halide ions shuttling. <i>Chemical Engineering Journal</i> , 2020, 389, 124376.	6.6	22
44	Application of Zero-Dimensional Nanomaterials in Biosensing. <i>Frontiers in Chemistry</i> , 2020, 8, 320.	1.8	141
45	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
46	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
47	Single-Atomic-Co Electrocatalysts with Self-Supported Architecture toward Oxygen-Involved Reaction. <i>Advanced Functional Materials</i> , 2019, 29, 1906477.	7.8	91
48	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
49	Two-dimensional nanomaterials: fascinating materials in biomedical field. <i>Science Bulletin</i> , 2019, 64, 1707-1727.	4.3	171
50	Glycerol aerobic oxidation to glyceric acid over Pt/hydrotalcite catalysts at room temperature. <i>Science Bulletin</i> , 2019, 64, 1764-1772.	4.3	27
51	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
52	Active-Oxygen-Enhanced Homogeneous Nucleation of Lithium Metal on Ultrathin Layered Double Hydroxide. <i>Angewandte Chemie</i> , 2019, 131, 4002-4006.	1.6	13
53	Active-Oxygen-Enhanced Homogeneous Nucleation of Lithium Metal on Ultrathin Layered Double Hydroxide. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3962-3966.	7.2	44
54	Theoretical study on the reaction mechanism and selectivity of acetylene semi-hydrogenation on Ni-Sn intermetallic catalysts. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1384-1392.	1.3	10

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55	The selective hydrogenation of furfural over intermetallic compounds with outstanding catalytic performance. <i>Green Chemistry</i> , 2019, 21, 5352-5362.	4.6	92
56	Integrated Nanostructural Electrodes Based on Layered Double Hydroxides. <i>Energy and Environmental Materials</i> , 2019, 2, 158-171.	7.3	46
57	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
58	Discovery of a new intercalation-type anode for high-performance sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15371-15377.	5.2	28
59	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
60	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
61	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
62	Au <sup>+</sup> @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
63	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
64	Platinum-copper single atom alloy catalysts with high performance towards glycerol hydrogenolysis. <i>Nature Communications</i> , 2019, 10, 5812.	5.8	277
65	Mechanistic insights into artificial metalloenzymes towards imine reduction. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 23408-23417.	1.3	2
66	Recent advances for solid basic catalysts: Structure design and catalytic performance. <i>Journal of Solid State Chemistry</i> , 2019, 269, 184-194.	1.4	29
67	Preparation and Catalytic Performance of Supported Catalysts Derived from Layered Double Hydroxides. <i>Acta Chimica Sinica</i> , 2019, 77, 1129.	0.5	11
68	Hydrocalcite monolayer toward high performance synergistic dual-modal imaging and cancer therapy. <i>Biomaterials</i> , 2018, 165, 14-24.	5.7	39
69	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
70	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
71	Acid-base sites synergistic catalysis over Mg-Zr-Al mixed metal oxide toward synthesis of diethyl carbonate. <i>RSC Advances</i> , 2018, 8, 4695-4702.	1.7	45
72	Ultrathin Mesoporous Co <sub>3</sub> O <sub>4</sub> Nanosheet Arrays for High-Performance Lithium-Ion Batteries. <i>ACS Omega</i> , 2018, 3, 1675-1683.	1.6	46

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73	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
74	Monolayer Nanosheets with an Extremely High Drug Loading toward Controlled Delivery and Cancer Theranostics. <i>Advanced Materials</i> , 2018, 30, e1707389.	11.1	142
75	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
76	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
77	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
78	Layered double hydroxide monolayers for controlled loading and targeted delivery of anticancer drugs. <i>Nano Research</i> , 2018, 11, 195-205.	5.8	52
79	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
80	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
81	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
82	Layered Double Hydroxide-Based Catalysts: Recent Advances in Preparation, Structure, and Applications. <i>Advanced Functional Materials</i> , 2018, 28, 1802943.	7.8	317
83	A bottom-up synthesis of rare-earth-hydrotalcite monolayer nanosheets toward multimode imaging and synergetic therapy. <i>Chemical Science</i> , 2018, 9, 5630-5639.	3.7	51
84	An ultrathin photosensitizer for simultaneous fluorescence imaging and photodynamic therapy. <i>Chemical Communications</i> , 2018, 54, 5760-5763.	2.2	21
85	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
86	Moisture-Permeable, Humidity-Enhanced Gas Barrier Films Based on Organic/Inorganic Multilayers. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 28130-28138.	4.0	28
87	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
88	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
89	Nano-photosensitizer based on layered double hydroxide and isophthalic acid for singlet oxygenation and photodynamic therapy. <i>Nature Communications</i> , 2018, 9, 2798.	5.8	231
90	A CaMnAl-hydrotalcite 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

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91	Hydroxide-ion-conductive gas barrier films based on layered double hydroxide/polysulfone multilayers. <i>Chemical Communications</i> , 2018, 54, 7778-7781.	2.2	15
92	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
93	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
94	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
95	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
96	A supramolecular material for dual-modal imaging and targeted cancer therapy. <i>Talanta</i> , 2017, 165, 297-303.	2.9	19
97	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
98	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
99	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
100	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
101	Layered double hydroxide bio-composites toward excellent systematic anticancer therapy. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3212-3216.	2.9	20
102	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
103	Photoelectrochemical Catalysis toward Selective Anaerobic Oxidation of Alcohols. <i>Chemistry - A European Journal</i> , 2017, 23, 8142-8147.	1.7	35
104	Reduced titania@layered double hydroxide hybrid photoanodes for enhanced photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11016-11025.	5.2	31
105	Hierarchical CoNi-Sulfide Nanosheet Arrays Derived from Layered Double Hydroxides toward Efficient Hydrazine Electrooxidation. <i>Advanced Materials</i> , 2017, 29, 1604080.	11.1	196
106	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
107	Double-active site synergistic catalysis in Ru <sub>2</sub> Ti <sub>2</sub> toward benzene hydrogenation to cyclohexene with largely enhanced selectivity. <i>Catalysis Science and Technology</i> , 2017, 7, 650-657.	2.1	28
108	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



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109	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
110	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
111	TiO <sub>2</sub> -Modified Ni Nanocatalyst with Tunable Metal-Support Interaction for Water-Gas Shift Reaction. <i>ACS Catalysis</i> , 2017, 7, 7600-7609.	5.5	268
112	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
113	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
114	DFT-Based Simulation and Experimental Validation of the Topotactic Transformation of MgAl Layered Double Hydroxides. <i>ChemPhysChem</i> , 2016, 17, 2754-2766.	1.0	30
115	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
116	TiO <sub>2</sub> /graphene/NiFe-layered double hydroxide nanorod array photoanodes for efficient photoelectrochemical water splitting. <i>Energy and Environmental Science</i> , 2016, 9, 2633-2643.	15.6	442
117	A luminescent ultrathin film with reversible sensing toward pressure. <i>Chemical Communications</i> , 2016, 52, 4663-4666.	2.2	16
118	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
119	Active Site Dependent Reaction Mechanism over Ru/CeO <sub>2</sub> Catalyst toward CO <sub>2</sub> Methanation. <i>Journal of the American Chemical Society</i> , 2016, 138, 6298-6305.	6.6	489
120	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
121	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
122	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
123	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
124	Synthesis of Co-Sn intermetallic nanocatalysts toward selective hydrogenation of citral. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12825-12832.	5.2	31
125	Layer-by-Layer Assembly of Carbon Dots-Based Ultrathin Films with Enhanced Quantum Yield and Temperature Sensing Performance. <i>Chemistry of Materials</i> , 2016, 28, 5426-5431.	3.2	42
126	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



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127	Multi-dimensional, light-controlled switch of fluorescence resonance energy transfer based on orderly assembly of 0D dye@micro-micelles and 2D ultrathin-layered nanosheets. Nano Research, 2016, 9, 3828-3838.	5.8	17
128	Catalytic performance of layered double hydroxide nanosheets toward phenol hydroxylation. RSC Advances, 2016, 6, 105406-105411.	1.7	19
129	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
130	Ru-Cluster-Modified Ni Surface Defects toward Selective Bond Breaking between C <sub>2</sub> O and C <sub>2</sub> C. Chemistry of Materials, 2016, 28, 4751-4761.	3.2	37
131	Alkaline-assisted Ni nanocatalysts with largely enhanced low-temperature activity toward CO <sub>2</sub> methanation. Catalysis Science and Technology, 2016, 6, 3976-3983.	2.1	56
132	A layered drug nanovehicle toward targeted cancer imaging and therapy. Journal of Materials Chemistry B, 2016, 4, 1331-1336.	2.9	35
133	Mesoporous graphene-layered double hydroxides free-standing films for enhanced flexible supercapacitors. Chemical Engineering Journal, 2016, 289, 85-92.	6.6	68
134	Terbium doped ZnCr-layered double hydroxides with largely enhanced visible light photocatalytic performance. Journal of Materials Chemistry A, 2016, 4, 3907-3913.	5.2	70
135	A targeted agent with intercalation structure for cancer near-infrared imaging and photothermal therapy. RSC Advances, 2016, 6, 16608-16614.	1.7	22
136	CeO <sub>2</sub> -based heterogeneous catalysts toward catalytic conversion of CO <sub>2</sub> . Journal of Materials Chemistry A, 2016, 4, 5773-5783.	5.2	110
137	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
138	Supercapacitors: Hierarchical Conducting Polymer@Clay Core-Shell Arrays for Flexible All-Solid-State Supercapacitor Devices (Small 29/2015). Small, 2015, 11, 3529-3529.	5.2	11
139	Tunable Self-Assembled Micro/Nanostructures of Carboxyl-Functionalized Squarylium Cyanine for Ammonia Sensing. Advanced Functional Materials, 2015, 25, 7442-7449.	7.8	37
140	Transparent, Ultrahigh-Gas-Barrier Films with a Brick-Mortar-Sand Structure. Angewandte Chemie - International Edition, 2015, 54, 9673-9678.	7.2	54
141	Localization of Au Nanoclusters on Layered Double Hydroxides Nanosheets: Confinement-Induced Emission Enhancement and Temperature-Responsive Luminescence. Advanced Functional Materials, 2015, 25, 5006-5015.	7.8	167
142	Remarkable oxygen barrier films based on a layered double hydroxide/chitosan hierarchical structure. Journal of Materials Chemistry A, 2015, 3, 12350-12356.	5.2	41
143	Layered Double Hydroxide Materials: Assembly and Photofunctionality. Structure and Bonding, 2015, , 1-68.	1.0	17
144	Hierarchical Conducting Polymer@Clay Core-Shell Arrays for Flexible All-Solid-State Supercapacitor Devices. Small, 2015, 11, 3530-3538.	5.2	116

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149	A supramolecular nanovehicle toward systematic, targeted cancer and tumor therapy. <i>Chemical Science</i> , 2015, 6, 5511-5518.	3.7	26
150	Combined <i>In Situ</i> and <i>In Silico</i> Studies of Guest Intercalation into the Layered Double Hydroxide [LiAl <sub>2</sub> (OH) <sub>6</sub> ]X·yH <sub>2</sub> O. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18729-18740.	1.5	4
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152	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
153	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
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173	Surfactant-free platinum nanocubes with greatly enhanced activity towards methanol/ethanol electrooxidation. <i>RSC Advances</i> , 2014, 4, 28832.	1.7	14
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