

Min Wei

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Metalâ€‘Support Synergistic Catalysis in Pt/MoO ₃ 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 ₀ âˆ’ Cu ⁺ 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 _{2-x} 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 ₂ 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 ₂ 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 _x -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 ₂ Catalysts with Various TiO ₂ 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 ₂ /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 ₅ C ₂ -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 & Interfaces</i> , 2020, 12, 48310-48320.	4.0	21
33	PtIn Alloy Catalysts toward Selective Hydrogenolysis of Glycerol to 1,2-Propanediol. <i>Industrial & 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. RSC Advances, 2020, 10, 9786-9790.	1.7	14
38	Geometric effect promoted hydrotalcites catalysts towards aldol condensation reaction. Chinese Journal of Catalysis, 2020, 41, 1279-1287.	6.9	20
39	DFT Study on the Mechanism of the Water Gas Shift Reaction Over Ni _x P _y Catalysts: The Role of P. Journal of Physical Chemistry C, 2020, 124, 6598-6610.	1.5	18
40	Manipulating interstitial carbon atoms in the nickel octahedral site for highly efficient hydrogenation of alkyne. Nature Communications, 2020, 11, 3324.	5.8	80
41	NiBi intermetallic compounds catalyst toward selective hydrogenation of unsaturated aldehydes. Applied Catalysis B: Environmental, 2020, 277, 119273.	10.8	57
42	Magnesium-based layered double hydroxide nanosheets: a new bone repair material with unprecedented osteogenic differentiation performance. Nanoscale, 2020, 12, 19075-19082.	2.8	20
43	A new family of rechargeable batteries based on halide ions shuttling. Chemical Engineering Journal, 2020, 389, 124376.	6.6	22
44	Application of Zero-Dimensional Nanomaterials in Biosensing. Frontiers in Chemistry, 2020, 8, 320.	1.8	141
45	Charge-Mediated Au+ ⁺ Oxygen Vacancy towards Glycerol Oxidation with Largely Improved Catalytic Performance. Applied Catalysis A: General, 2020, 598, 117558.	2.2	13
46	CoFe-Cl Layered Double Hydroxide: A New Cathode Material for High-Performance Chloride Ion Batteries. Advanced Functional Materials, 2019, 29, 1900983.	7.8	83
47	Single-Atomic-Co Electrocatalysts with Self-Supported Architecture toward Oxygen-involved Reaction. Advanced Functional Materials, 2019, 29, 1906477.	7.8	91
48	Polysulfide Confinement and Highly Efficient Conversion on Hierarchical Mesoporous Carbon Nanosheets for Li-S Batteries. Advanced Energy Materials, 2019, 9, 1901935.	10.2	93
49	Two-dimensional nanomaterials: fascinating materials in biomedical field. Science Bulletin, 2019, 64, 1707-1727.	4.3	171
50	Glycerol aerobic oxidation to glyceric acid over Pt/hydrotalcite catalysts at room temperature. Science Bulletin, 2019, 64, 1764-1772.	4.3	27
51	The Periodic Table as a Guide to the Construction and Properties of Layered Double Hydroxides. Structure and Bonding, 2019, , 89-120.	1.0	12
52	Active-Oxygen-Enhanced Homogeneous Nucleation of Lithium Metal on Ultrathin Layered Double Hydroxide. Angewandte Chemie, 2019, 131, 4002-4006.	1.6	13
53	Active-Oxygen-Enhanced Homogeneous Nucleation of Lithium Metal on Ultrathin Layered Double Hydroxide. Angewandte Chemie - International Edition, 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. Physical Chemistry Chemical Physics, 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 & 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 ⁺ @Ti ³⁺ 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 ₂ @BiVO ₄ /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	Hydrotalcite 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 ₃ O ₄ 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) _{0.85} 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 ₂ 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 & 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 & 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 ₂ 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 ₂ 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 ₂ 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 ₂ TiO ₇ 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 ₂ -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 ₂ /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 ₂ Catalyst toward CO ₂ 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 & 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 ₂ O and C ₂ C. Chemistry of Materials, 2016, 28, 4751-4761.	3.2	37
131	Alkaline-assisted Ni nanocatalysts with largely enhanced low-temperature activity toward CO ₂ 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 ₂ -based heterogeneous catalysts toward catalytic conversion of CO ₂ . 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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145	Cu-Decorated Ru Catalysts Supported on Layered Double Hydroxides for Selective Benzene Hydrogenation to Cyclohexene. <i>ChemCatChem</i> , 2015, 7, 846-855.	1.8	26
146	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
147	TiO ₂ @Layered Double Hydroxide Core-Shell Nanospheres with Largely Enhanced Photocatalytic Activity Toward O ₂ Generation. <i>Advanced Functional Materials</i> , 2015, 25, 2243-2249.	7.8	223
148	Theoretical and Experimental Study on M ^{II} /M ^{III} -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
149	A supramolecular nanovehicle toward systematic, targeted cancer and tumor therapy. <i>Chemical Science</i> , 2015, 6, 5511-5518.	3.7	26
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