

# Catalysis with Two-Dimensional Materials Confining Si Applications

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Confinement Catalysis with 2D Materials for Energy Conversion. <i>Advanced Materials</i> , 2019, 31, e1901996.	11.1	257
2	Hydrogenated Borophene Shows Catalytic Activity as Solid Acid. <i>ACS Omega</i> , 2019, 4, 14100-14104.	1.6	42
3	Covalent Organic Framework-Supported Molecularly Dispersed Near-Infrared Dyes Boost Immunogenic Phototherapy against Tumors. <i>Advanced Functional Materials</i> , 2019, 29, 1902757.	7.8	106
4	Platinum single-atom catalysts: a comparative review towards effective characterization. <i>Catalysis Science and Technology</i> , 2019, 9, 4821-4834.	2.1	122
5	Synergistic catalysis between atomically dispersed Fe and a pyrrolic-N-C framework for CO <sub>2</sub> electroreduction. <i>Nanoscale Horizons</i> , 2019, 4, 1411-1415.	4.1	21
6	Fabrication of solid strong bases at decreased temperature by doping low-valence Cr <sup>3+</sup> into supports. <i>Applied Catalysis A: General</i> , 2019, 584, 117153.	2.2	6
7	Transition Metal Chalcogenide Single Layers as an Active Platform for Single-Atom Catalysis. <i>ACS Energy Letters</i> , 2019, 4, 1947-1953.	8.8	43
8	Atomically Dispersed Semimetallic Selenium on Porous Carbon Membrane as an Electrode for Hydrazine Fuel Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13466-13471.	7.2	99
9	Atomically Dispersed Semimetallic Selenium on Porous Carbon Membrane as an Electrode for Hydrazine Fuel Cells. <i>Angewandte Chemie</i> , 2019, 131, 13600-13605.	1.6	32
10	Direct Methane Conversion under Mild Condition by Thermo-, Electro-, or Photocatalysis. <i>CheM</i> , 2019, 5, 2296-2325.	5.8	331
11	Supported Noble-Metal Single Atoms for Heterogeneous Catalysis. <i>Advanced Materials</i> , 2019, 31, e1902031.	11.1	207
12	Water Oxidation Catalysts for Artificial Photosynthesis. <i>Advanced Materials</i> , 2019, 31, e1902069.	11.1	215
13	Liberating N-CNTs Confined Highly Dispersed Co <sub>x</sub> N <sub>y</sub> Sites for Selective Hydrogenation of Quinolines. <i>Advanced Materials</i> , 2019, 31, e1906051.	11.1	56
14	Arylene Ethynylene-Functionalized Bithiazole-Based Zinc Polymers for Ultraefficient Photocatalytic Activity. <i>ACS Omega</i> , 2019, 4, 17798-17806.	1.6	6
15	Synthesis of Thiocyanameluric Acid C <sub>6</sub> N <sub>7</sub> S <sub>3</sub> H <sub>3</sub> , Its Reaction to Alkali Metal Thiocyanamelurates and Organic Tris(dithio)cyanamelurates. <i>Chemistry - A European Journal</i> , 2019, 25, 15555-15564.	1.7	5
16	Prussian blue/ZIF-67-derived carbon layers-encapsulated FeCo nanoparticles for hydrogen and oxygen evolution reaction. <i>Journal of Electroanalytical Chemistry</i> , 2019, 853, 113557.	1.9	11
17	Doping sp-hybridized B atoms in graphyne supported single cobalt atoms for hydrogen evolution electrocatalysis. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 27421-27428.	3.8	23
18	Synergy of a Metallic NiCo Dimer Anchored on a C <sub>2</sub> N-Graphene Matrix Promotes the Electrochemical CO <sub>2</sub> Reduction Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19113-19121.	3.2	91

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19	Insight into the Activity and Stability of Transition-Metal Atoms Embedded in MnO for Triiodide Reduction Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19303-19310.	3.2	10
20	Atomic- and Molecular-Level Design of Functional Metal-Organic Frameworks (MOFs) and Derivatives for Energy and Environmental Applications. <i>Advanced Science</i> , 2019, 6, 1901129.	5.6	121
21	Confined Catalysis: Progress and Prospects in Energy Conversion. <i>Advanced Energy Materials</i> , 2019, 9, 1902307.	10.2	79
22	Transforming Energy with Single-Atom Catalysts. <i>Joule</i> , 2019, 3, 2897-2929.	11.7	216
23	Versatile Applications of Metal Single-Atom @ 2D Material Nanoplatfoms. <i>Advanced Science</i> , 2019, 6, 1901787.	5.6	128
24	TriQuinoline. <i>Nature Communications</i> , 2019, 10, 3820.	5.8	25
25	Recent progress in two-dimensional nanomaterials: Synthesis, engineering, and applications. <i>FlatChem</i> , 2019, 18, 100133.	2.8	52
26	Theoretical evaluation on single-atom Fe doped divacancy graphene for catalytic CO and NO oxidation by O <sub>2</sub> molecules. <i>Molecular Catalysis</i> , 2019, 476, 110524.	1.0	14
27	Metal-organic frameworks: A tunable platform to access single-site heterogeneous catalysts. <i>Applied Catalysis A: General</i> , 2019, 586, 117214.	2.2	96
28	Oxide Passivated CoNi@NC-Supported Ru(OH) <sub>x</sub> Cl <sub>y</sub> Cluster as Highly Efficient Catalysts for the Oxygen and Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17227-17236.	3.2	22
29	Nanozyme-Based Bandage with Single-Atom Catalysis for Brain Trauma. <i>ACS Nano</i> , 2019, 13, 11552-11560.	7.3	193
30	Distinct Catalytic Reactivity of Sn Substituted in Framework Locations and at Defect Grain Boundaries in Sn-Zeolites. <i>ACS Catalysis</i> , 2019, 9, 6146-6168.	5.5	52
31	Modification of C, O, and N Groups for Oxygen Reduction Reaction on an Electrochemically Stabilized Graphene Nanoribbon Surface. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16308-16316.	1.5	24
32	Hydrothermal growth, electronic structure, optical and photocatalytic properties of LiBiO <sub>2</sub> nanosheets. <i>Journal of Luminescence</i> , 2019, 214, 116523.	1.5	7
33	Nitrogen-Doped Porous Carbon Supported Nonprecious Metal Single-Atom Electrocatalysts: from Synthesis to Application. <i>Small Methods</i> , 2019, 3, 1900159.	4.6	218
34	Design of atomically dispersed catalytic sites for photocatalytic CO <sub>2</sub> reduction. <i>Nanoscale</i> , 2019, 11, 11064-11070.	2.8	57
35	Visible light driven efficient metal free single atom catalyst supported on nanoporous carbon nitride for nitrogen fixation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 12346-12352.	1.3	64
36	Methylene blue-carbon nitride system as a reusable air-sensor. <i>Materials Chemistry and Physics</i> , 2019, 231, 351-356.	2.0	4

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37	Single Atoms and Clusters Based Nanomaterials for Hydrogen Evolution, Oxygen Evolution Reactions, and Full Water Splitting. <i>Advanced Energy Materials</i> , 2019, 9, 1900624.	10.2	538
38	Artificial photosynthesis: opportunities and challenges of molecular catalysts. <i>Chemical Society Reviews</i> , 2019, 48, 2216-2264.	18.7	629
39	Multiscale carbon foam confining single iron atoms for efficient electrocatalytic CO <sub>2</sub> reduction to CO. <i>Nano Research</i> , 2019, 12, 2313-2317.	5.8	86
40	Cobalt Single Atom Heterogeneous Catalyst: Method of Preparation, Characterization, Catalysis, and Mechanism. , 2019, , .		3
41	Facile synthesis of impurity-free iron single atom catalysts for highly efficient oxygen reduction reaction and active-site identification. <i>Catalysis Science and Technology</i> , 2019, 9, 6556-6560.	2.1	10
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43	Single-atom nickel confined nanotube superstructure as support for catalytic wet air oxidation of acetic acid. <i>Communications Chemistry</i> , 2019, 2, .	2.0	15
44	Revealing the Intrinsic Peroxidase-Like Catalytic Mechanism of Heterogeneous Single-Atom Co@MoS <sub>2</sub> . <i>Nano-Micro Letters</i> , 2019, 11, 102.	14.4	114
45	State of the Art and Prospects in Metal-Organic Framework (MOF)-Based and MOF-Derived Nanocatalysis. <i>Chemical Reviews</i> , 2020, 120, 1438-1511.	23.0	1,505
46	Single cobalt atom anchored on N-doped graphyne for boosting the overall water splitting. <i>Applied Surface Science</i> , 2020, 502, 144155.	3.1	50
47	2D Electrocatalysts for Converting Earth-Abundant Simple Molecules into Value-Added Commodity Chemicals: Recent Progress and Perspectives. <i>Advanced Materials</i> , 2020, 32, e1904870.	11.1	76
48	Investigating CO <sub>2</sub> storage properties of C <sub>2</sub> N monolayer functionalized with small metal clusters. <i>Journal of CO<sub>2</sub> Utilization</i> , 2020, 35, 1-13.	3.3	20
49	Two-Dimensional Electrocatalysts for Efficient Reduction of Carbon Dioxide. <i>ChemSusChem</i> , 2020, 13, 59-77.	3.6	31
50	Charge Transfer Modulated Activity of Carbon-Based Electrocatalysts. <i>Advanced Energy Materials</i> , 2020, 10, 1901227.	10.2	156
51	Bimetallic advances oxygen electrocatalysis. <i>Science China Chemistry</i> , 2020, 63, 147-148.	4.2	3
52	Graphene-Based Heterogeneous Catalysis: Role of Graphene. <i>Catalysts</i> , 2020, 10, 53.	1.6	83
53	Carbon-Based Single-Atom Catalysts for Advanced Applications. <i>ACS Catalysis</i> , 2020, 10, 2231-2259.	5.5	426
54	Single Atom on the 2D Matrix: An Emerging Electrocatalyst for Energy Applications. <i>ACS Omega</i> , 2020, 5, 1287-1295.	1.6	52

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56	Mixed Metal Phosphide Chainmail Catalysts Confined in N-Doped Porous Carbon Nanoboxes as Highly Efficient Water-Oxidation Electrocatalysts with Ultralow Overpotentials and Tafel Slopes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 7153-7161.	4.0	47
57	Boosting the Loading of Metal Single Atoms via a Bioconcentration Strategy. <i>Small</i> , 2020, 16, e1905920.	5.2	40
58	A review of non-precious metal single atom confined nanomaterials in different structural dimensions (1D–3D) as highly active oxygen redox reaction electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2222-2245.	5.2	59
59	Engineering Local Coordination Environments of Atomically Dispersed and Heteroatom-Coordinated Single Metal Site Electrocatalysts for Clean Energy Conversion. <i>Advanced Energy Materials</i> , 2020, 10, 1902844.	10.2	245
60	Breaking scaling relations for efficient CO <sub>2</sub> electrochemical reduction through dual-atom catalysts. <i>Chemical Science</i> , 2020, 11, 1807-1813.	3.7	230
61	Honeycomb-like 3D N-, P-codoped porous carbon anchored with ultrasmall Fe <sub>2</sub> P nanocrystals for efficient Zn-air battery. <i>Carbon</i> , 2020, 158, 885-892.	5.4	41
62	Template-Assisted Synthesis of Metallic 1Tâ€²â€³Sn <sub>0.3</sub> W <sub>0.7</sub> S <sub>2</sub> Nanosheets for Hydrogen Evolution Reaction. <i>Advanced Functional Materials</i> , 2020, 30, 1906069.	7.8	47
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64	Substantial potential effects on single-atom catalysts for the oxygen evolution reaction simulated via a fixed-potential method. <i>Journal of Catalysis</i> , 2020, 391, 530-538.	3.1	45
65	Single atom transition metals on MoS <sub>2</sub> monolayer and their use as catalysts for CO <sub>2</sub> activation. <i>Applied Surface Science</i> , 2020, 534, 147611.	3.1	29
66	Single-Atom Catalysts across the Periodic Table. <i>Chemical Reviews</i> , 2020, 120, 11703-11809.	23.0	690
67	Modification of Graphitic Carbon Nitride with Hydrogen Peroxide. <i>Nanomaterials</i> , 2020, 10, 1747.	1.9	3
68	Engineering the Low Coordinated Pt Single Atom to Achieve the Superior Electrocatalytic Performance toward Oxygen Reduction. <i>Small</i> , 2020, 16, e2003096.	5.2	110
69	BiOCl nanosheets with periodic nanochannels for high-efficiency photooxidation. <i>Nano Energy</i> , 2020, 78, 105340.	8.2	70
70	Can Single Metal Atoms Trapped in Defective h-BN/Cu(111) Improve Electrocatalysis of the H <sub>2</sub> Evolution Reaction?. <i>Journal of Physical Chemistry C</i> , 2020, 124, 23690-23698.	1.5	6
71	Single-Atom Electrocatalysts for Lithium Sulfur Batteries: Progress, Opportunities, and Challenges. , 2020, 2, 1450-1463.		108
72	Thermodynamic Full Landscape Searching Scheme for Identifying the Mechanism of Electrochemical Reaction: A Case Study of Oxygen Evolution on Fe- and Co-Doped Graphene Nitrogen Sites. <i>Journal of Physical Chemistry A</i> , 2020, 124, 5444-5455.	1.1	1

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73	Two-dimensional Noble Metal Nanomaterials for Electrocatalysis. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 597-610.	1.3	11
74	Direct Synthesis of Atomically Dispersed Palladium Atoms Supported on Graphitic Carbon Nitride for Efficient Selective Hydrogenation Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 54146-54154.	4.0	31
75	Theoretical Screening of Single Atoms Supported on Two-Dimensional Nb <sub>2</sub> CN <sub>2</sub> for Nitrogen Fixation. <i>ACS Applied Nano Materials</i> , 2020, 3, 11274-11281.	2.4	34
76	Ligand Stabilized Ni <sub>1</sub> Catalyst for Efficient CO Oxidation. <i>ChemPhysChem</i> , 2020, 21, 2417-2425.	1.0	4
77	First-principles study on the type-II g-C <sub>6</sub> N <sub>6</sub> /GaS heterojunction: A promising photocatalyst for water splitting. <i>Diamond and Related Materials</i> , 2020, 110, 108157.	1.8	21
78	Two-Dimensional Material-Based Biosensors for Virus Detection. <i>ACS Sensors</i> , 2020, 5, 3739-3769.	4.0	73
79	Boosting oxygen evolution reaction on graphene through engineering electronic structure. <i>Carbon</i> , 2020, 170, 414-420.	5.4	26
80	General synthesis of single atom electrocatalysts via a facile condensation-carbonization process. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25959-25969.	5.2	14
81	Achieving High Activity and Selectivity of Nitrogen Reduction via Fe-N <sub>3</sub> Coordination on Iron Single-Atom Electrocatalysts at Ambient Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12809-12816.	3.2	41
82	Enhancing Reactivity of SiC-Supported Graphene by Engineering Intercalated Metal Atoms at the Interface. <i>Journal of Physical Chemistry C</i> , 2020, 124, 18126-18131.	1.5	3
83	Synergistic engineering of MoS <sub>2</sub> via dual-metal doping strategy towards hydrogen evolution reaction. <i>Applied Surface Science</i> , 2020, 529, 147117.	3.1	22
84	Efficient bi-directional OER/ORR catalysis of metal-free C <sub>6</sub> H <sub>4</sub> NO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> : Density functional theory approaches. <i>Applied Surface Science</i> , 2020, 531, 147292.	3.1	18
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87	Porous hexagonal nanoplate cobalt oxide derived from a coordination polymer as an effective catalyst for activating Oxone in water. <i>Chemosphere</i> , 2020, 261, 127552.	4.2	16
88	Recent Advances in MOF-Derived Single Atom Catalysts for Electrochemical Applications. <i>Advanced Energy Materials</i> , 2020, 10, 2001561.	10.2	265
89	Single-atom site catalysts for environmental catalysis. <i>Nano Research</i> , 2020, 13, 3165-3182.	5.8	252
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92	Unveiling the Active Site of Metal-Free Nitrogen-doped Carbon for Electrocatalytic Carbon Dioxide Reduction. <i>Cell Reports Physical Science</i> , 2020, 1, 100145.	2.8	53
93	Understanding activity origin for the oxygen reduction reaction on bi-atom catalysts by DFT studies and machine-learning. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24563-24571.	5.2	71
94	2D Re-based Transition Metal Chalcogenides: Progress, Challenges, and Opportunities. <i>Advanced Science</i> , 2020, 7, 2002320.	5.6	62
95	Theoretical Understandings of Graphene-based Metal Single-Atom Catalysts: Stability and Catalytic Performance. <i>Chemical Reviews</i> , 2020, 120, 12315-12341.	23.0	354
96	Theoretical insights into single-atom catalysts. <i>Chemical Society Reviews</i> , 2020, 49, 8156-8178.	18.7	231
97	Recent advances in ultrathin two-dimensional materials and biomedical applications for reactive oxygen species generation and scavenging. <i>Nanoscale</i> , 2020, 12, 19516-19535.	2.8	65
98	Recent Progress in Non-Precious Metal Single Atomic Catalysts for Solar and Non-Solar Driven Hydrogen Evolution Reaction. <i>Advanced Sustainable Systems</i> , 2020, 4, 2000151.	2.7	14
99	Vertically-Oriented WS <sub>2</sub> Nanosheets with a Few Layers and Its Raman Enhancements. <i>Nanomaterials</i> , 2020, 10, 1847.	1.9	8
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105	Enhanced carbon dioxide conversion at ambient conditions via a pore enrichment effect. <i>Nature Communications</i> , 2020, 11, 4481.	5.8	74
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107	Site-specific electrodeposition enables self-terminating growth of atomically dispersed metal catalysts. <i>Nature Communications</i> , 2020, 11, 4558.	5.8	131
108	Ultrafast Construction of Oxygen-Containing Scaffold over Graphite for Trapping Ni <sup>2+</sup> into Single Atom Catalysts. <i>ACS Nano</i> , 2020, 14, 11662-11669.	7.3	20

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109	Synthesis, Catalytic Properties and Application in Biosensorics of Nanozymes and Electronanocatalysts: A Review. <i>Sensors</i> , 2020, 20, 4509.	2.1	61
110	<i>Operando</i> characterization techniques for electrocatalysis. <i>Energy and Environmental Science</i> , 2020, 13, 3748-3779.	15.6	159
111	Modulation of electronic structures in two-dimensional electrocatalysts for the hydrogen evolution reaction. <i>Chemical Communications</i> , 2020, 56, 11910-11930.	2.2	56
112	Carbon-Based Materials for the Development of Highly Dispersed Metal Catalysts: Towards Highly Performant Catalysts for Fine Chemical Synthesis. <i>Catalysts</i> , 2020, 10, 1407.	1.6	24
113	Single-Atom Catalysts for Biotherapy Applications: A Systematic Review. <i>Nanomaterials</i> , 2020, 10, 2518.	1.9	7
114	Intrinsic Activity of Metal Centers in Metal–Nitrogen–Carbon Single-Atom Catalysts for Hydrogen Peroxide Synthesis. <i>Journal of the American Chemical Society</i> , 2020, 142, 21861-21871.	6.6	163
115	State of the Art in the Characterization of Nano- and Atomic-Scale Catalysts. <i>ACS Symposium Series</i> , 2020, , 51-93.	0.5	0
116	Nanocarbon-Based Catalytic Ozonation for Aqueous Oxidation: Engineering Defects for Active Sites and Tunable Reaction Pathways. <i>ACS Catalysis</i> , 2020, 10, 13383-13414.	5.5	141
117	Cobalt-based coordination polymer-derived hexagonal porous cobalt oxide nanoplate as an enhanced catalyst for hydrogen generation from hydrolysis of borohydride. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 31952-31962.	3.8	12
118	Studies of MnO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> hetrostructure efficient of visible light photocatalyst for pollutants degradation by sol-gel technique. <i>Surfaces and Interfaces</i> , 2020, 20, 100512.	1.5	112
119	Single-atom-Ni-decorated, nitrogen-doped carbon layers for efficient electrocatalytic CO <sub>2</sub> reduction reaction. <i>Electrochemistry Communications</i> , 2020, 116, 106758.	2.3	31
120	Recent advances in structural engineering of MXene electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10604-10624.	5.2	201
121	Reversed configuration of photocatalyst to exhibit improved properties of basic processes compared to conventional one. <i>Science China Chemistry</i> , 2020, 63, 771-776.	4.2	4
122	Amino-metalloporphyrin polymers derived Fe single atom catalysts for highly efficient oxygen reduction reaction. <i>Science China Chemistry</i> , 2020, 63, 810-817.	4.2	25
123	Metal–Organic Frameworks as a Good Platform for the Fabrication of Single-Atom Catalysts. <i>ACS Catalysis</i> , 2020, 10, 6579-6586.	5.5	240
124	Atomically dispersed metal active centers as a chemically tunable platform for energy storage devices. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15358-15372.	5.2	16
125	Synergy of Fe-N <sub>4</sub> and non-coordinated boron atoms for highly selective oxidation of amine into nitrile. <i>Nano Research</i> , 2020, 13, 2079-2084.	5.8	23
126	Single-sites Rh-phosphide modified carbon nitride photocatalyst for boosting hydrogen evolution under visible light. <i>Applied Catalysis B: Environmental</i> , 2020, 274, 119117.	10.8	51



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127	Solid-state synthesis of ultrathin MoS <sub>2</sub> as a cocatalyst on mesoporous g-C <sub>3</sub> N <sub>4</sub> for excellent enhancement of visible light photoactivity. <i>Journal of Alloys and Compounds</i> , 2020, 836, 155401.	2.8	28
128	Design and application of active sites in g-C <sub>3</sub> N <sub>4</sub> -based photocatalysts. <i>Journal of Materials Science and Technology</i> , 2020, 56, 69-88.	5.6	211
129	Anchoring Mo single atoms/clusters and N on edge-rich nanoporous holey graphene as bifunctional air electrode in Zn <sup>2+</sup> air batteries. <i>Applied Catalysis B: Environmental</i> , 2020, 276, 119172.	10.8	79
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131	Machine-learning-accelerated screening of hydrogen evolution catalysts in MBenes materials. <i>Applied Surface Science</i> , 2020, 526, 146522.	3.1	50
132	A new family of two-dimensional ferroelastic semiconductors with negative Poisson's ratios. <i>Nanoscale</i> , 2020, 12, 14150-14159.	2.8	21
133	Modulating the electronic property of Pt nanocatalyst on rGO by iron oxides for aerobic oxidation of glycerol. <i>Catalysis Communications</i> , 2020, 144, 106073.	1.6	5
134	Metal <sup>2+</sup> -Nitrogen <sup>2-</sup> -Doped Carbon Materials as Highly Efficient Catalysts: Progress and Rational Design. <i>Advanced Science</i> , 2020, 7, 2001069.	5.6	228
135	Dopamine polymer derived isolated single-atom site metals/N-doped porous carbon for benzene oxidation. <i>Chemical Communications</i> , 2020, 56, 8916-8919.	2.2	18
136	Natural aloe vera derived Pt supported N-doped porous carbon: A highly durable cathode catalyst of PEM fuel cell. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 19267-19279.	3.8	32
137	Emerging 2D pnictogens for catalytic applications: status and challenges. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12887-12927.	5.2	32
138	Atomically dispersed catalysts for hydrogen/oxygen evolution reactions and overall water splitting. <i>Journal of Power Sources</i> , 2020, 471, 228446.	4.0	74
139	Inert basal plane activation of two-dimensional ZnIn <sub>2</sub> S <sub>4</sub> via Ni atom doping for enhanced co-catalyst free photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13376-13384.	5.2	79
140	Strategies of engineering 2D nanomaterial-based electrocatalysts toward hydrogen evolution reaction. <i>Materials for Renewable and Sustainable Energy</i> , 2020, 9, 1.	1.5	14
141	Nanoconfinement-Mediated Water Treatment: From Fundamental to Application. <i>Environmental Science &amp; Technology</i> , 2020, 54, 8509-8526.	4.6	209
142	Heterogeneous Single-Atom Photocatalysts: Fundamentals and Applications. <i>Chemical Reviews</i> , 2020, 120, 12175-12216.	23.0	620
143	Fabricating Pd isolated single atom sites on C <sub>3</sub> N <sub>4</sub> /rGO for heterogenization of homogeneous catalysis. <i>Nano Research</i> , 2020, 13, 947-951.	5.8	65
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