Yujie Xiong

List of Publications by Year in descending order

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295 papers	45,046 citations	1614 105 h-index	1980 206 g-index
320 all docs	320 docs citations	320 times ranked	38817 citing authors

#	Article	IF	Citations
1	Cu2â^'xS derived copper nanoparticles: A platform for unraveling the role of surface reconstruction in efficient electrocatalytic CO2-to-C2H4 conversion. Nano Research, 2023, 16, 4494-4498.	10.4	42
2	Biosynthetic CdS-Thiobacillus thioparus hybrid for solar-driven carbon dioxide fixation. Nano Research, 2023, 16, 4531-4538.	10.4	10
3	Boosting electrochemical hydrogen evolution by coupling anodically oxidative dehydrogenation of benzylamine to benzonitrile. Chinese Chemical Letters, 2023, 34, 107319.	9.0	10
4	Phosphate-induced interfacial electronic engineering in VPO4-Ni2P heterostructure for improved electrochemical water oxidation. Chinese Chemical Letters, 2022, 33, 452-456.	9.0	12
5	Multilayer core-shell nanostructures for enhanced 808Ânm responsive upconversion. Chinese Chemical Letters, 2022, 33, 1087-1090.	9.0	6
6	Atomically dispersed N-coordinated Fe-Fe dual-sites with enhanced enzyme-like activities. Nano Research, 2022, 15, 959-964.	10.4	43
7	Limiting the Uncoordinated N Species in Mâ€“N_x Singleâ€Atom Catalysts toward Electrocatalytic CO₂ Reduction in Broad Voltage Range. Advanced Materials, 2022, 34, e2104090.	21.0	57
8	Enabling photocatalytic hydrogen production over Fe-based MOFs by refining band structure with dye sensitization. Chemical Engineering Journal, 2022, 429, 132217.	12.7	29
9	Defect Engineering in Photocatalytic Methane Conversion. Small Structures, 2022, 3, 2100147.	12.0	43
10	Photoelectrochemical oxygen atom transfer enabling efficient selective oxygenation. Science China Chemistry, 2022, 65, 5-6.	8.2	1
11	Single-atom-based catalysts for photoelectrocatalysis: challenges and opportunities. Journal of Materials Chemistry A, 2022, 10, 5878-5888.	10.3	17
12	Recent Advances in Porous Materials for Photocatalytic CO₂ Reduction. Journal of Physical Chemistry Letters, 2022, 13, 1272-1282.	4.6	30
13	Tuning the local electronic structure of a single-site Ni catalyst by co-doping a 3D graphene framework with B/N atoms toward enhanced CO₂ electroreduction. Nanoscale, 2022, 14, 833-841.	5.6	9
14	Ppm-level Cu dopant on ultrathin Pd nanosheets/TiO2 for highly enhanced photocatalytic alcoholysis of epoxides. Applied Catalysis B: Environmental, 2022, 307, 121211.	20.2	13
15	Solar-driven conversion of greenhouse gases toward closing the artificial carbon-cycle loop. Chem Catalysis, 2022, 2, 226-228.	6.1	2
16	Governing Interlayer Strain in Bismuth Nanocrystals for Efficient Ammonia Electrosynthesis from Nitrate Reduction. ACS Nano, 2022, 16, 4795-4804.	14.6	76
17	Single Pdâ€“S_x Sites In Situ Coordinated on CdS Surface as Efficient Hydrogen Autotransfer Shuttles for Highly Selective Visible-Light-Driven Câ€“N Coupling. ACS Catalysis, 2022, 12, 4481-4490.	11.2	28
18	Structural Reconstruction of Cu₂O Superparticles toward Electrocatalytic CO₂ Reduction with High C₂₊ Products Selectivity. Advanced Science, 2022, 9, e2105292.	11.2	65

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19	Reversing Electron Transfer Chain for Light-Driven Hydrogen Production in Bioticâ€“Abiotic Hybrid Systems. Journal of the American Chemical Society, 2022, 144, 6434-6441.	13.7	35
20	Unraveling the Role of Interfacial Water Structure in Electrochemical Semihydrogenation of Alkynes. ACS Catalysis, 2022, 12, 4840-4847.	11.2	34
21	Identification and Design of Active Sites on Photocatalysts for the Direct Artificial Carbon Cycle. Accounts of Materials Research, 2022, 3, 331-342.	11.7	31
22	Molybdenum Sulfide Quantum Dots Decorated on TiO₂ for Photocatalytic Hydrogen Evolution. ACS Applied Nano Materials, 2022, 5, 702-709.	5.0	8
23	Laser-ablation assisted strain engineering of gold nanoparticles for selective electrochemical CO₂ reduction. Nanoscale, 2022, 14, 7702-7710.	5.6	8
24	Direct Electron Transfer from Upconversion Graphene Quantum Dots to TiO ₂ Enabling Infrared Light-Driven Overall Water Splitting. Research, 2022, 2022, 9781453.	5.7	10
25	Control of selectivity in organic synthesis via heterogeneous photocatalysis under visible light. , 2022, 1, e9120006.		68
26	A Stacked Plasmonic Metamaterial with Strong Localized Electric Field Enables Highly Efficient Broadband Lightâ€Driven CO₂ Hydrogenation. Advanced Materials, 2022, 34, e2202367.	21.0	40
27	Highly Selective Photocatalytic CO₂ Methanation with Water Vapor on Singleâ€Atom Platinumâ€Decorated Defective Carbon Nitride. Angewandte Chemie - International Edition, 2022, 61, .	13.8	60
28	Sunlightâ€Driven Highly Selective Catalytic Oxidation of 5â€Hydroxymethylfurfural Towards Tunable Products. Angewandte Chemie - International Edition, 2022, 61, .	13.8	52
29	Highly Selective Photocatalytic CO₂ Methanation with Water Vapor on Singleâ€Atom Platinumâ€Decorated Defective Carbon Nitride. Angewandte Chemie, 2022, 134, .	2.0	18
30	How to Make Personal Protective Equipment Spontaneously and Continuously Antimicrobial (Incorporating Oxidase-like Catalysts). ACS Nano, 2022, 16, 7755-7771.	14.6	27
31	Synergizing Inter and Intraband Transitions in Defective Tungsten Oxide for Efficient Photocatalytic Alcohol Dehydration to Alkenes. Jacs Au, 2022, 2, 1160-1168.	7.9	12
32	High-performance photocatalytic nonoxidative conversion of methane to ethane and hydrogen by heteroatoms-engineered TiO2. Nature Communications, 2022, 13, 2806.	12.8	89
33	A Minireview on the Role of Cocatalysts in Semiconductor-Based Photocatalytic CH₄ Conversion. Energy & Fuels, 2022, 36, 11428-11442.	5.1	13
34	Exploring the Polarization Photocatalysis of ZnIn₂S₄ Material toward Hydrogen Evolution by Integrating Cascade Electric Fields with Hole Transfer Vehicle. Advanced Functional Materials, 2022, 32, .	14.9	59
35	Metal-Organic Frameworks Offering Tunable Binary Active Sites toward Highly Efficient Urea Oxidation Electrolysis. Research, 2022, 2022, .	5.7	18
36	Centromere targeting of Mis18 requires the interaction with DNA and H2Aâ€“H2B in fission yeast. Cellular and Molecular Life Sciences, 2021, 78, 373-384.	5.4	3

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37	Timeâ€Resolved Xâ€Ray Absorption Spectroscopy: Visualizing the Time Evolution of Photophysics and Photochemistry in Photocatalytic Solar Energy Conversion. Solar Rrl, 2021, 5, 2000468.	5.8	11
38	Boron doping and high curvature in Bi nanorolls for promoting photoelectrochemical nitrogen fixation. Applied Catalysis B: Environmental, 2021, 284, 119689.	20.2	45
39	Pt/AlGaN Nanoarchitecture: Toward High Responsivity, Self-Powered Ultraviolet-Sensitive Photodetection. Nano Letters, 2021, 21, 120-129.	9.1	127
40	Bimetallic oxyhydroxidein situderived from an Fe₂Co-MOF for efficient electrocatalytic oxygen evolution. Journal of Materials Chemistry A, 2021, 9, 13271-13278.	10.3	27
41	Electrocatalytic fixation of N₂ into NO₃^{â^'}: electron transfer between oxygen vacancies and loaded Au in Nb₂O_{5â^'x} nanobelts to promote ambient nitrogen oxidation. Journal of Materials Chemistry A, 2021, 9, 17442-17450.	10.3	33
42	Transparent and flexible resins functionalized by lanthanide-based upconversion nanocrystals. Dalton Transactions, 2021, 50, 6432-6436.	3.3	0
43	Î±-Fe₂O₃/Ag/CdS ternary heterojunction photoanode for efficient solar water oxidation. Catalysis Science and Technology, 2021, 11, 5859-5867.	4.1	7
44	Surface-bound reactive oxygen species generating nanozymes for selective antibacterial action. Nature Communications, 2021, 12, 745.	12.8	202
45	Efficient Photoelectrochemical Conversion of Methane into Ethylene Glycol by WO₃ Nanobar Arrays. Angewandte Chemie, 2021, 133, 9443-9447.	2.0	20
46	Fundamental Insights into Surface Modification of Silicon Material toward Improved Activity and Durability in Photocatalytic Hydrogen Production: A Case Study of Pre-Lithiation. Journal of Physical Chemistry C, 2021, 125, 5542-5548.	3.1	7
47	Efficient Photoelectrochemical Conversion of Methane into Ethylene Glycol by WO₃ Nanobar Arrays. Angewandte Chemie - International Edition, 2021, 60, 9357-9361.	13.8	71
48	Elegant Construction of ZnIn₂S₄/BiVO₄ Hierarchical Heterostructures as Direct Z-Scheme Photocatalysts for Efficient CO₂ Photoreduction. ACS Applied Materials & Interfaces, 2021, 13, 15092-15100.	8.0	115
49	Controlling Oxygen Reduction Selectivity through Steric Effects: Electrocatalytic Twoâ€Electron and Fourâ€Electron Oxygen Reduction with Cobalt Porphyrin Atropisomers. Angewandte Chemie - International Edition, 2021, 60, 12742-12746.	13.8	85
50	Efficient photoelectrochemical CO2 conversion for selective acetic acid production. Science Bulletin, 2021, 66, 1296-1304.	9.0	37
51	Metal Substitution Steering Electron Correlations in Pyrochlore Ruthenates for Efficient Acidic Water Oxidation. ACS Nano, 2021, 15, 8537-8548.	14.6	54
52	IrW nanochannel support enabling ultrastable electrocatalytic oxygen evolution at 2â€‰Aâ€‰cmâ^'2 in acidic media. Nature Communications, 2021, 12, 3540.	12.8	89
53	Altering Hydrogenation Pathways in Photocatalytic Nitrogen Fixation by Tuning Local Electronic Structure of Oxygen Vacancy with Dopant. Angewandte Chemie - International Edition, 2021, 60, 16085-16092.	13.8	152
54	Altering Hydrogenation Pathways in Photocatalytic Nitrogen Fixation by Tuning Local Electronic Structure of Oxygen Vacancy with Dopant. Angewandte Chemie, 2021, 133, 16221-16228.	2.0	8

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55	Carbon Dioxide Conversion. ChemNanoMat, 2021, 7, 967-968.	2.8	9
56	Vacancy-defect modulated pathway of photoreduction of CO2 on single atomically thin AgInP2S6 sheets into olefiant gas. Nature Communications, 2021, 12, 4747.	12.8	128
57	Surface Local Polarization Induced by Bismuthâ€Oxygen Vacancy Pairs Tuning Nonâ€Covalent Interaction for CO₂ Photoreduction. Advanced Energy Materials, 2021, 11, 2102389.	19.5	109
58	Van der waals heterostructures by single cobalt sites-anchored graphene and g-C3N4 nanosheets for photocatalytic syngas production with tunable CO/H2 ratio. Applied Catalysis B: Environmental, 2021, 295, 120261.	20.2	51
59	Ultrastable Cu Catalyst for CO₂ Electroreduction to Multicarbon Liquid Fuels by Tuning Câ€“C Coupling with CuTi Subsurface. Angewandte Chemie, 2021, 133, 26326-26331.	2.0	3
60	Ultrastable Cu Catalyst for CO₂ Electroreduction to Multicarbon Liquid Fuels by Tuning Câ€“C Coupling with CuTi Subsurface. Angewandte Chemie - International Edition, 2021, 60, 26122-26127.	13.8	56
61	Self-optimizing iron phosphorus oxide for stable hydrogen evolution at high current. Applied Catalysis B: Environmental, 2021, 298, 120559.	20.2	14
62	Working-in-tandem mechanism of multi-dopants in enhancing electrocatalytic nitrogen reduction reaction performance of carbon-based materials. Nano Research, 2021, 14, 3234-3239.	10.4	20
63	Pd-Modified ZnOâ€“Au Enabling Alkoxy Intermediates Formation and Dehydrogenation for Photocatalytic Conversion of Methane to Ethylene. Journal of the American Chemical Society, 2021, 143, 269-278.	13.7	151
64	Bioinspiration toward efficient photosynthetic systems: From biohybrids to biomimetics. Chem Catalysis, 2021, 1, 1367-1377.	6.1	14
65	Integrating bimetallic AuPd nanocatalysts with a 2D aza-fused Ï€-conjugated microporous polymer for light-driven benzyl alcohol oxidation. Chinese Chemical Letters, 2020, 31, 231-234.	9.0	19
66	Direct Observation of Dynamic Bond Evolution in Singleâ€Atom Pt/C₃N₄ Catalysts. Angewandte Chemie - International Edition, 2020, 59, 6224-6229.	13.8	256
67	Direct Observation of Dynamic Bond Evolution in Singleâ€Atom Pt/C₃N₄ Catalysts. Angewandte Chemie, 2020, 132, 6283-6288.	2.0	34
68	In situ no-slot joint integration of half-metallic C(CN)3 cocatalyst into g-C3N4 scaffold: An absolute metal-free in-plane heterosystem for efficient and selective photoconversion of CO2 into CO. Applied Catalysis B: Environmental, 2020, 264, 118470.	20.2	41
69	Anchoring Positively Charged Pd Single Atoms in Ordered Porous Ceria to Boost Catalytic Activity and Stability in Suzuki Coupling Reactions. Small, 2020, 16, e2001782.	10.0	51
70	Photocatalytic CO₂ conversion: What can we learn from conventional CO_x hydrogenation?. Chemical Society Reviews, 2020, 49, 6579-6591.	38.1	268
71	Lattice oxygen activation enabled by high-valence metal sites for enhanced water oxidation. Nature Communications, 2020, 11, 4066.	12.8	337
72	Design of CuInS2 hollow nanostructures toward CO2 electroreduction. Science China Chemistry, 2020, 63, 1721-1726.	8.2	21

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73	Recent advances in engineering active sites for photocatalytic CO₂ reduction. Nanoscale, 2020, 12, 12196-12209.	5.6	93
74	Visible-Light-Driven Nitrogen Fixation Catalyzed by Bi₅O₇Br Nanostructures: Enhanced Performance by Oxygen Vacancies. Journal of the American Chemical Society, 2020, 142, 12430-12439.	13.7	260
75	Heterogeneous Single-Atom Photocatalysts: Fundamentals and Applications. Chemical Reviews, 2020, 120, 12175-12216.	47.7	620
76	Catalyst: How Material Chemistry Enables Solar-Driven CO2 Conversion. CheM, 2020, 6, 1035-1038.	11.7	37
77	Boosting Photocatalytic Activity in Crossâ€Coupling Reactions by Constructing Pdâ€Oxide Heterostructures. ChemNanoMat, 2020, 6, 920-924.	2.8	5
78	Tracking Mechanistic Pathway of Photocatalytic CO₂ Reaction at Ni Sites Using Operando, Time-Resolved Spectroscopy. Journal of the American Chemical Society, 2020, 142, 5618-5626.	13.7	121
79	Switching Light for Site-Directed Spatial Loading of Cocatalysts onto Heterojunction Photocatalysts with Boosted Redox Catalysis. ACS Catalysis, 2020, 10, 3194-3202.	11.2	93
80	Sulfur Atomically Doped Bismuth Nanobelt Driven by Electrochemical Self-Reconstruction for Boosted Electrocatalysis. Journal of Physical Chemistry Letters, 2020, 11, 1746-1752.	4.6	23
81	Oxygen vacancy mediated bismuth stannate ultra-small nanoparticle towards photocatalytic CO2-to-CO conversion. Applied Catalysis B: Environmental, 2020, 276, 119156.	20.2	59
82	Metal-free electrocatalysts for nitrogen reduction reaction. EnergyChem, 2020, 2, 100040.	19.1	34
83	Regulating Câ€“C coupling in thermocatalytic and electrocatalytic CO_xconversion based on surface science. Chemical Science, 2019, 10, 7310-7326.	7.4	34
84	Precisely Tuning the Number of Fe Atoms in Clusters on N-Doped Carbon toward Acidic Oxygen Reduction Reaction. CheM, 2019, 5, 2865-2878.	11.7	346
85	CeO₂-Induced Interfacial Co²⁺ Octahedral Sites and Oxygen Vacancies for Water Oxidation. ACS Catalysis, 2019, 9, 6484-6490.	11.2	278
86	Designing Highly Efficient and Longâ€Term Durable Electrocatalyst for Oxygen Evolution by Coupling B and P into Amorphous Porous NiFeâ€Based Material. Small, 2019, 15, e1901020.	10.0	71
87	Metalâ€“organic frameworks for artificial photosynthesis via photoelectrochemical route. Current Opinion in Electrochemistry, 2019, 17, 114-120.	4.8	16
88	Metalâ€“Organic Framework Coating Enhances the Performance of Cu₂O in Photoelectrochemical CO₂ Reduction. Journal of the American Chemical Society, 2019, 141, 10924-10929.	13.7	219
89	Design of atomically dispersed catalytic sites for photocatalytic CO₂ reduction. Nanoscale, 2019, 11, 11064-11070.	5.6	57
90	Timeâ€Dependent Surface Oxidation of Pd Nanocubes and its Role in Controlling Catalytic Performance. ChemNanoMat, 2019, 5, 878-882.	2.8	2

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91	Sensors: Development of a Cloudâ€Based Epidermal MoSe₂ Device for Hazardous Gas Sensing (Adv. Funct. Mater. 18/2019). Advanced Functional Materials, 2019, 29, 1970122.	14.9	2
92	Porous amorphous NiFeOx/NiFeP framework with dual electrocatalytic functions for water electrolysis. Journal of Power Sources, 2019, 428, 76-81.	7.8	40
93	Surface Plasmon Enabling Nitrogen Fixation in Pure Water through a Dissociative Mechanism under Mild Conditions. Journal of the American Chemical Society, 2019, 141, 7807-7814.	13.7	235
94	Electrocatalysts: 2D Layered Double Hydroxides for Oxygen Evolution Reaction: From Fundamental Design to Application (Adv. Energy Mater. 17/2019). Advanced Energy Materials, 2019, 9, 1970057.	19.5	11
95	Selective photoelectrochemical oxidation of glycerol to high value-added dihydroxyacetone. Nature Communications, 2019, 10, 1779.	12.8	185
96	Dynamic Evolution of Atomically Dispersed Cu Species for CO₂ Photoreduction to Solar Fuels. ACS Catalysis, 2019, 9, 4824-4833.	11.2	230
97	Tandem nanocatalyst design: putting two step-reaction sites into one location towards enhanced hydrogen transfer reactions. Science China Materials, 2019, 62, 1297-1305.	6.3	4
98	2D Layered Double Hydroxides for Oxygen Evolution Reaction: From Fundamental Design to Application. Advanced Energy Materials, 2019, 9, 1803358.	19.5	467
99	Development of a Cloudâ€Based Epidermal MoSe₂ Device for Hazardous Gas Sensing. Advanced Functional Materials, 2019, 29, 1900138.	14.9	102
100	Ethylene/1-Hexene Copolymerization with Modified Ziegler-Natta Catalyst. Chemical Research in Chinese Universities, 2019, 35, 1089-1094.	2.6	4
101	2020 roadmap on pore materials for energy and environmental applications. Chinese Chemical Letters, 2019, 30, 2110-2122.	9.0	75
102	Crystal phase engineering on photocatalytic materials for energy and environmental applications. Nano Research, 2019, 12, 2031-2054.	10.4	95
103	Recent Progress on Electrocatalyst and Photocatalyst Design for Nitrogen Reduction. Small Methods, 2019, 3, 1800388.	8.6	252
104	Defect engineering: A versatile tool for tuning the activation of key molecules in photocatalytic reactions. Journal of Energy Chemistry, 2019, 37, 43-57.	12.9	143
105	Photogenerated Charge Separation and Photocatalytic Hydrogen Production of TiO₂/Graphene Composite Materials. Acta Chimica Sinica, 2019, 77, 520.	1.4	7
106	Surface Modification on Pd Nanostructures for Selective Styrene Oxidation with Molecular Oxygen. ChemNanoMat, 2018, 4, 467-471.	2.8	18
107	Recent progress on advanced design for photoelectrochemical reduction of CO2 to fuels. Science China Materials, 2018, 61, 771-805.	6.3	172
108	Van der Waals Heterostructures Comprised of Ultrathin Polymer Nanosheets for Efficient Zâ€Scheme Overall Water Splitting. Angewandte Chemie, 2018, 130, 3512-3516.	2.0	64

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109	Van der Waals Heterostructures Comprised of Ultrathin Polymer Nanosheets for Efficient Zâ€Scheme Overall Water Splitting. Angewandte Chemie - International Edition, 2018, 57, 3454-3458.	13.8	248
110	Heterogeneous Singleâ€Atom Catalyst for Visibleâ€Lightâ€Driven Highâ€Turnover CO₂ Reduction: The Role of Electron Transfer. Advanced Materials, 2018, 30, e1704624.	21.0	383
111	Controlling Auâ€“Pd Surface on Au Nanocubes for Selective Catalytic Alkyne Semihydrogenation. Particle and Particle Systems Characterization, 2018, 35, 1700377.	2.3	8
112	Steering plasmonic hot electrons to realize enhanced full-spectrum photocatalytic hydrogen evolution. Chinese Journal of Catalysis, 2018, 39, 453-462.	14.0	18
113	Scalable Fabrication of Highly Active and Durable Membrane Electrodes toward Water Oxidation. Small, 2018, 14, 1702109.	10.0	20
114	Enhanced O2 reduction on atomically thin Pt-based nanoshells by integrating surface facet, interfacial electronic, and substrate stabilization effects. Nano Research, 2018, 11, 3313-3326.	10.4	21
115	pH-sensitive zwitterionic coating of gold nanocages improves tumor targeting and photothermal treatment efficacy. Nano Research, 2018, 11, 3193-3204.	10.4	53
116	Energy Materials Research at the University of Science and Technology of China. Advanced Materials, 2018, 30, 1806572.	21.0	0
117	Turning Au Nanoclusters Catalytically Active for Visible-Light-Driven CO₂ Reduction through Bridging Ligands. Journal of the American Chemical Society, 2018, 140, 16514-16520.	13.7	208
118	Solar Energy Conversion: 2D Polymers as Emerging Materials for Photocatalytic Overall Water Splitting (Adv. Mater. 48/2018). Advanced Materials, 2018, 30, 1870369.	21.0	41
119	Enabling Visibleâ€Lightâ€Driven Selective CO₂ Reduction by Doping Quantum Dots: Trapping Electrons and Suppressing H₂ Evolution. Angewandte Chemie, 2018, 130, 16685-16689.	2.0	28
120	Enabling Visibleâ€Lightâ€Driven Selective CO₂ Reduction by Doping Quantum Dots: Trapping Electrons and Suppressing H₂ Evolution. Angewandte Chemie - International Edition, 2018, 57, 16447-16451.	13.8	262
121	Defect engineering in photocatalytic materials. Nano Energy, 2018, 53, 296-336.	16.0	732
122	Refining Defect States in W₁₈O₄₉ by Mo Doping: A Strategy for Tuning N₂ Activation towards Solar-Driven Nitrogen Fixation. Journal of the American Chemical Society, 2018, 140, 9434-9443.	13.7	722
123	Surface and interface design for photocatalytic water splitting. Dalton Transactions, 2018, 47, 12035-12040.	3.3	16
124	2D Polymers as Emerging Materials for Photocatalytic Overall Water Splitting. Advanced Materials, 2018, 30, e1801955.	21.0	211
125	Surface Modification on Pdâ€TiO 2 Hybrid Nanostructures towards Highly Efficient H 2 Production from Catalytic Formic Acid Decomposition. Chemistry - A European Journal, 2018, 24, 18398-18402.	3.3	14
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127	Isolation of Cu Atoms in Pd Lattice: Forming Highly Selective Sites for Photocatalytic Conversion of CO₂ to CH₄. Journal of the American Chemical Society, 2017, 139, 4486-4492.	13.7	455
128	Photocatalytic oxygen evolution from low-bandgap conjugated microporous polymer nanosheets: a combined first-principles calculation and experimental study. Nanoscale, 2017, 9, 4090-4096.	5.6	126
129	Near-surface dilution of trace Pd atoms to facilitate Pd-H bond cleavage for giant enhancement of electrocatalytic hydrogen evolution. Nano Energy, 2017, 34, 306-312.	16.0	48
130	PdPt Alloy Nanocatalysts Supported on TiO₂: Maneuvering Metalâ€“Hydrogen Interactions for Lightâ€Driven and Waterâ€Donating Selective Alkyne Semihydrogenation. Small, 2017, 13, 1604173.	10.0	44
131	Hydriding Pd cocatalysts: An approach to giant enhancement on photocatalytic CO2 reduction into CH4. Nano Research, 2017, 10, 3396-3406.	10.4	95
132	Amorphous Metallic NiFeP: A Conductive Bulk Material Achieving High Activity for Oxygen Evolution Reaction in Both Alkaline and Acidic Media. Advanced Materials, 2017, 29, 1606570.	21.0	441
133	Defective Tungsten Oxide Hydrate Nanosheets for Boosting Aerobic Coupling of Amines: Synergistic Catalysis by Oxygen Vacancies and BrÃ¸nsted Acid Sites. Small, 2017, 13, 1701354.	10.0	62
134	N-doped carbon-stabilized PtCo nanoparticles derived from Pt@ZIF-67: Highly active and durable catalysts for oxygen reduction reaction. Nano Research, 2017, 10, 3228-3237.	10.4	90
135	Coordination chemistry in the design of heterogeneous photocatalysts. Chemical Society Reviews, 2017, 46, 2799-2823.	38.1	449
136	Nobleâ€Metalâ€Free Janusâ€like Structures by Cation Exchange for Zâ€Scheme Photocatalytic Water Splitting under Broadband Light Irradiation. Angewandte Chemie - International Edition, 2017, 56, 4206-4210.	13.8	166
137	Nobleâ€Metalâ€Free Janusâ€like Structures by Cation Exchange for Zâ€Scheme Photocatalytic Water Splitting under Broadband Light Irradiation. Angewandte Chemie, 2017, 129, 4270-4274.	2.0	62
138	Novel Iron/Cobaltâ€Containing Polypyrrole Hydrogelâ€Derived Trifunctional Electrocatalyst for Selfâ€Powered Overall Water Splitting. Advanced Functional Materials, 2017, 27, 1606497.	14.9	320
139	Engineering the surface charge states of nanostructures for enhanced catalytic performance. Materials Chemistry Frontiers, 2017, 1, 1951-1964.	5.9	63
140	Plasmonic nanostructures in solar energy conversion. Journal of Materials Chemistry C, 2017, 5, 1008-1021.	5.5	138
141	Pt4PdCu0.4 alloy nanoframes as highly efficient and robust bifunctional electrocatalysts for oxygen reduction reaction and formic acid oxidation. Nano Energy, 2017, 39, 532-538.	16.0	97
142	Conjugated Microporous Polymer Nanosheets for Overall Water Splitting Using Visible Light. Advanced Materials, 2017, 29, 1702428.	21.0	302
143	Silicon nanostructures for solar-driven catalytic applications. Nano Today, 2017, 17, 96-116.	11.9	63
144	Facetâ€Engineered Surface and Interface Design of Photocatalytic Materials. Advanced Science, 2017, 4, 1600216.	11.2	307

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145	Highly Crystalline Mesoporous Silicon Spheres for Efficient Visible Photocatalytic Hydrogen Evolution. ChemNanoMat, 2017, 3, 22-26.	2.8	27
146	Boosting Photocatalytic Hydrogen Production of a Metalâ€“Organic Framework Decorated with Platinum Nanoparticles: The Platinum Location Matters. Angewandte Chemie, 2016, 128, 9535-9539.	2.0	122
147	Integration of Multiple Plasmonic and Co-Catalyst Nanostructures on TiO₂ Nanosheets for Visible-Near-Infrared Photocatalytic Hydrogen Evolution. Small, 2016, 12, 1640-1648.	10.0	136
148	Oxide Defect Engineering Enables to Couple Solar Energy into Oxygen Activation. Journal of the American Chemical Society, 2016, 138, 8928-8935.	13.7	840
149	Incorporation of Pd into Pt Coâ€Catalysts toward Enhanced Photocatalytic Water Splitting. Particle and Particle Systems Characterization, 2016, 33, 506-511.	2.3	26
150	Boosting Photocatalytic Hydrogen Production of a Metalâ€“Organic Framework Decorated with Platinum Nanoparticles: The Platinum Location Matters. Angewandte Chemie - International Edition, 2016, 55, 9389-9393.	13.8	513
151	Interface engineering in inorganic hybrid structures towards improved photocatalysis (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock 0		
152	Pd-Ag alloy hollow nanostructures with interatomic charge polarization for enhanced electrocatalytic formic acid oxidation. Nano Research, 2016, 9, 1590-1599.	10.4	102
153	Unraveling Surface Plasmon Decay in Coreâ€“Shell Nanostructures toward Broadband Light-Driven Catalytic Organic Synthesis. Journal of the American Chemical Society, 2016, 138, 6822-6828.	13.7	136
154	A Metalâ€Amino Acid Complexâ€Derived Bifunctional Oxygen Electrocatalyst for Rechargeable Zincâ€“Air Batteries. Small, 2016, 12, 5414-5421.	10.0	48
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