Yun Hau Ng

List of Publications by Year
in descending order

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212	22,624	12330 69	8630 146
papers	citations	h-index	g-index

223	223	223	22061
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced visible-light-driven heterogeneous photocatalytic CO2 methanation using a Cu2O@Cu-MOF-74 thin film. ChemPhysMater, 2023, 2, 126-133.	2.8	4
2	Advancement of Bismuthâ€Based Materials for Electrocatalytic and Photo(electro)catalytic Ammonia Synthesis. Advanced Functional Materials, 2022, 32, 2106713.	14.9	44
3	Facet-dependent carrier dynamics of cuprous oxide regulating the photocatalytic hydrogen generation. Materials Advances, 2022, 3, 2200-2212.	5.4	15
4	Facet-dependent spatial charge separation with rational cocatalyst deposition on BiVO4. Materials Today Energy, 2022, 26, 100986.	4.7	6
5	Reconstructing Cu Nanoparticle Supported on Vertical Graphene Surfaces via Electrochemical Treatment to Tune the Selectivity of CO₂ Reduction toward Valuable Products. ACS Catalysis, 2022, 12, 4792-4805.	11.2	24
6	Green synthesis of graphite-based photo-Fenton nanocatalyst from waste tar via a self-reduction and solvent-free strategy. Science of the Total Environment, 2022, 824, 153772.	8.0	6
7	Hetero-phase dendritic elemental phosphorus for visible light photocatalytic hydrogen generation. Applied Catalysis B: Environmental, 2022, 312, 121428.	20.2	15
8	Modulating the Active Sites of Oxygenâ€Deficient TiO₂ by Copper Loading for Enhanced Electrocatalytic Nitrogen Reduction to Ammonia. Small, 2022, 18, e2200996.	10.0	29
9	Resolve deep-rooted challenges of halide perovskite for sustainable energy development and environmental remediation. Nano Energy, 2022, 99, 107401.	16.0	14
10	Modulating the Active Sites of Oxygenâ€Deficient TiO₂ by Copper Loading for Enhanced Electrocatalytic Nitrogen Reduction to Ammonia (Small 25/2022). Small, 2022, 18, .	10.0	3
11	Surface Modulation Inducing Bismuth-Rich Surface Composition in BiVO₄ for Efficient Photoelectrochemical Water Splitting. ACS Applied Energy Materials, 2022, 5, 8419-8427.	5.1	14
12	FeCo alloy@N-doped graphitized carbon as an efficient cocatalyst for enhanced photocatalytic H2 evolution by inducing accelerated charge transfer. Journal of Energy Chemistry, 2021, 52, 92-101.	12.9	37
13	Constructing low-cost Ni3C/twin-crystal Zn0.5Cd0.5S heterojunction/homojunction nanohybrids for efficient photocatalytic H2 evolution. Chinese Journal of Catalysis, 2021, 42, 25-36.	14.0	272
14	Superior photoelectrocatalytic performance of ternary structural BiVO4/GQD/g-C3N4 heterojunction. Journal of Colloid and Interface Science, 2021, 586, 785-796.	9.4	32
15	Recent advances in photodegradation of antibiotic residues in water. Chemical Engineering Journal, 2021, 405, 126806.	12.7	234
16	Visible-light-driven photoelectrocatalytic activation of chloride by nanoporous MoS2@BiVO4 photoanode for enhanced degradation of bisphenol A. Chemosphere, 2021, 263, 128279.	8.2	53
17	Photogenerated charge dynamics of CdS nanorods with spatially distributed MoS2 for photocatalytic hydrogen generation. Chemical Engineering Journal, 2021, 420, 127709.	12.7	56
18	Selective Ethanol Oxidation to Acetaldehyde on Nanostructured Zeolitic Imidazolate Frameworkâ€8â€Wrapped ZnO Photothermocatalyst Thin Films. Solar Rrl, 2021, 5, 2000423.	5.8	26

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19	Recent advances and the design criteria of metal sulfide photocathodes and photoanodes for photoelectrocatalysis. Journal of Materials Chemistry A, 2021, 9, 20277-20319.	10.3	53
20	Mechanism of Incorporation of Zirconium into BiVO₄ Visible-Light Photocatalyst. Journal of Physical Chemistry C, 2021, 125, 3320-3326.	3.1	14
21	Metalâ€“Organic Framework Decorated Cuprous Oxide Nanowires for Longâ€lived Charges Applied in Selective Photocatalytic CO₂ Reduction to CH₄. Angewandte Chemie, 2021, 133, 8536-8540.	2.0	11
22	Metalâ€“Organic Framework Decorated Cuprous Oxide Nanowires for Longâ€lived Charges Applied in Selective Photocatalytic CO₂ Reduction to CH₄. Angewandte Chemie - International Edition, 2021, 60, 8455-8459.	13.8	152
23	Antibacterial Activity of Reduced Graphene Oxide. Journal of Nanomaterials, 2021, 2021, 1-10.	2.7	18
24	Tracking Sâ€Scheme Charge Transfer Pathways in Mo₂C/CdS H₂â€Evolution Photocatalysts. Solar Rrl, 2021, 5, 2100177.	5.8	117
25	Oxygen Nucleation of MoS₂ Nanosheet Thin Film Supercapacitor Electrodes for Enhanced Electrochemical Energy Storage. ChemSusChem, 2021, 14, 2882-2891.	6.8	3
26	A CuNi Alloyâ€“Carbon Layer Coreâ€“Shell Catalyst for Highly Efficient Conversion of Aqueous Formaldehyde to Hydrogen at Room Temperature. ACS Applied Materials & Interfaces, 2021, 13, 37299-37307.	8.0	24
27	Coupled porosity and heterojunction engineering: MOF-derived porous Co3O4 embedded on TiO2 nanotube arrays for water remediation. Chemosphere, 2021, 274, 129799.	8.2	5
28	Noble-Metal-Free Multicomponent Nanointegration for Sustainable Energy Conversion. Chemical Reviews, 2021, 121, 10271-10366.	47.7	156
29	Manipulating the Fate of Charge Carriers with Tungsten Concentration: Enhancing Photoelectrochemical Water Oxidation of Bi₂WO₆. Small, 2021, 17, e2102023.	10.0	14
30	In-situ construction of metallic Ni3C@Ni coreâ€“shell cocatalysts over g-C3N4 nanosheets for shell-thickness-dependent photocatalytic H2 production. Applied Catalysis B: Environmental, 2021, 291, 120104.	20.2	258
31	Manipulating the Fate of Charge Carriers with Tungsten Concentration: Enhancing Photoelectrochemical Water Oxidation of Bi₂WO₆ (Small 35/2021). Small, 2021, 17, 2170183.	10.0	2
32	Unveiling Carrier Dynamics in Periodic Porous BiVO₄ Photocatalyst for Enhanced Solar Water Splitting. ACS Energy Letters, 2021, 6, 3400-3407.	17.4	68
33	Selective N2/H2O adsorption onto 2D amphiphilic amorphous photocatalysts for ambient gas-phase nitrogen fixation. Applied Catalysis B: Environmental, 2021, 294, 120240.	20.2	10
34	Understanding photoelectrocatalytic degradation of tetracycline over three-dimensional coral-like ZnO/BiVO4 nanocomposite. Materials Chemistry and Physics, 2021, 271, 124871.	4.0	40
35	In situ construction of elemental phosphorus nanorod-modified TiO2 photocatalysts for efficient visible-light-driven H2 generation. Applied Catalysis B: Environmental, 2021, 297, 120412.	20.2	30
36	Phosphorus vapor assisted preparation of P-doped ultrathin hollow g-C3N4 sphere for efficient solar-to-hydrogen conversion. Applied Catalysis B: Environmental, 2021, 297, 120438.	20.2	47

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37	In situ recycling of particulate matter for a high-performance supercapacitor and oxygen evolution reaction. Materials Chemistry Frontiers, 2021, 5, 2742-2748.	5.9	1
38	3.17% efficient Cu₂ZnSnS₄â€“BiVO₄ integrated tandem cell for standalone overall solar water splitting. Energy and Environmental Science, 2021, 14, 1480-1489.	30.8	74
39	Chemical reduction-induced surface oxygen vacancies of BiVO₄ photoanodes with enhanced photoelectrochemical performance. Sustainable Energy and Fuels, 2021, 5, 2284-2293.	4.9	21
40	Tailoring the morphological structure of BiVO4 photocatalyst for enhanced photoelectrochemical solar hydrogen production from natural lake water. Applied Surface Science, 2020, 504, 144417.	6.1	48
41	Flame-made amorphous solid acids with tunable acidity for the aqueous conversion of glucose to levulinic acid. Green Chemistry, 2020, 22, 688-698.	9.0	14
42	Photocatalytic and Photoelectrochemical Systems: Similarities and Differences. Advanced Materials, 2020, 32, e1904717.	21.0	213
43	Nanostructured CdS for efficient photocatalytic H2 evolution: A review. Science China Materials, 2020, 63, 2153-2188.	6.3	281
44	Visible-light photocatalysis and charge carrier dynamics of elemental crystalline red phosphorus. Journal of Chemical Physics, 2020, 153, 024707.	3.0	13
45	Unlocking the potential of the formate pathway in the photo-assisted Sabatier reaction. Nature Catalysis, 2020, 3, 1034-1043.	34.4	90
46	Silk fibroin-derived nitrogen-doped carbon quantum dots anchored on TiO2 nanotube arrays for heterogeneous photocatalytic degradation and water splitting. Nano Energy, 2020, 78, 105313.	16.0	100
47	Halide Perovskite Single Crystals: Optoelectronic Applications and Strategical Approaches. Energies, 2020, 13, 4250.	3.1	17
48	Enhanced Electrochemical CO₂ Reduction of Cu@Cu_xO Nanoparticles Decorated on 3D Vertical Graphene with Intrinsic sp³â€type Defect. Advanced Functional Materials, 2020, 30, 1910118.	14.9	54
49	Z-Schematic Solar Water Splitting Using Fine Particles of H₂-Evolving (CuGa)_{0.5}ZnS₂ Photocatalyst Prepared by a Flux Method with Chloride Salts. ACS Applied Energy Materials, 2020, 3, 5684-5692.	5.1	22
50	Solid Nanoporosity Governs Catalytic CO₂ and N₂ Reduction. ACS Nano, 2020, 14, 7734-7759.	14.6	59
51	A review on 2D MoS2 cocatalysts in photocatalytic H2 production. Journal of Materials Science and Technology, 2020, 56, 89-121.	10.7	364
52	Experimental and DFT Insights on Microflower g-C₃N₄/BiVO₄ Photocatalyst for Enhanced Photoelectrochemical Hydrogen Generation from Lake Water. ACS Sustainable Chemistry and Engineering, 2020, 8, 9393-9403.	6.7	59
53	Balancing the crystallinity and specific surface area of bismuth tungstate for photocatalytic water oxidation. Molecular Catalysis, 2020, 487, 110887.	2.0	5
54	Preparation of Bi-based photocatalysts in the form of powdered particles and thin films: a review. Journal of Materials Chemistry A, 2020, 8, 15302-15318.	10.3	76

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55	Solvothermal synthesis of copper-doped BiOBr microflowers with enhanced adsorption and visible-light driven photocatalytic degradation of norfloxacin. Chemical Engineering Journal, 2020, 401, 126012.	12.7	144
56	Customised fabrication of nitrogen-doped biochar for environmental and energy applications. Chemical Engineering Journal, 2020, 401, 126136.	12.7	158
57	Scavenger-free and self-powered photocathodic sensing system for aqueous hydrogen peroxide monitoring by CuO/ZnO nanostructure. Chemical Engineering Science, 2020, 226, 115886.	3.8	16
58	Strongly coupled 2D-2D nanojunctions between P-doped Ni2S (Ni2SP) cocatalysts and CdS nanosheets for efficient photocatalytic H2 evolution. Chemical Engineering Journal, 2020, 390, 124496.	12.7	174
59	A pulse electrodeposited amorphous tunnel layer stabilises Cu₂O for efficient photoelectrochemical water splitting under visible-light irradiation. Journal of Materials Chemistry A, 2020, 8, 5638-5646.	10.3	78
60	Light-Induced Formation of MoO_xS_y Clusters on CdS Nanorods as Cocatalyst for Enhanced Hydrogen Evolution. ACS Applied Materials & Interfaces, 2020, 12, 8324-8332.	8.0	67
61	Reversible ternary nickelâ€cobaltâ€iron catalysts for intermittent water electrolysis. EcoMat, 2020, 2, e12012.	11.9	14
62	Surface plasmon resonance effect of a Pt-nano-particles-modified TiO2 nanoball overlayer enables a significant enhancement in efficiency to 3.5% for a Cu2ZnSnS4-based thin film photocathode used for solar water splitting. Chemical Engineering Journal, 2020, 396, 125264.	12.7	18
63	Light soaking effect driven in porphyrin dye-sensitized solar cells using 1D TiO2 nanotube photoanodes. Sustainable Materials and Technologies, 2020, 24, e00165.	3.3	9
64	Biorenewable hydrogen production through biomass gasification: A review and future prospects. Environmental Research, 2020, 186, 109547.	7.5	280
65	Cu2O photocatalyst: Activity enhancement driven by concave surface. Materials Today Energy, 2020, 16, 100422.	4.7	9
66	3D Heterostructured Copper Electrode for Conversion of Carbon Dioxide to Alcohols at Low Overpotentials. Advanced Sustainable Systems, 2019, 3, 1800064.	5.3	37
67	Cadmium sulfide Co-catalyst reveals the crystallinity impact of nickel oxide photocathode in photoelectrochemical water splitting. International Journal of Hydrogen Energy, 2019, 44, 20851-20856.	7.1	7
68	The Dependence of Bi₂MoO₆ Photocatalytic Water Oxidation Capability on Crystal Facet Engineering. ChemPhotoChem, 2019, 3, 1246-1253.	3.0	23
69	Modulating Activity through Defect Engineering of Tin Oxides for Electrochemical CO₂ Reduction. Advanced Science, 2019, 6, 1900678.	11.2	92
70	Self-cleaning BiOBr/Ag photocatalytic membrane for membrane regeneration under visible light in membrane distillation. Chemical Engineering Journal, 2019, 378, 122137.	12.7	50
71	An Oxygen Paradox: Catalytic Use of Oxygen in Radical Photopolymerization. Angewandte Chemie - International Edition, 2019, 58, 16811-16814.	13.8	48
72	An Oxygen Paradox: Catalytic Use of Oxygen in Radical Photopolymerization. Angewandte Chemie, 2019, 131, 16967-16970.	2.0	15

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73	Interfacial origins of visible-light photocatalytic activity in ZnSâ€“GaP multilayers. Acta Materialia, 2019, 181, 139-147.	7.9	5
74	Hydrogen Production: Light-Driven Sustainable Hydrogen Production Utilizing TiO2 Nanostructures: A Review (Small Methods 1/2019). Small Methods, 2019, 3, 1800053.	8.6	7
75	GaPâ€“ZnS Multilayer Films: Visible-Light Photoelectrodes by Interface Engineering. Journal of Physical Chemistry C, 2019, 123, 3336-3342.	3.1	7
76	Bio-inspired hierarchical hetero-architectures of in-situ C-doped g-C3N4 grafted on C, N co-doped ZnO micro-flowers with booming solar photocatalytic activity. Journal of Industrial and Engineering Chemistry, 2019, 77, 393-407.	5.8	64
77	The Importance of the Interfacial Contact: Is Reduced Graphene Oxide Always an Enhancer in Photo(Electro)Catalytic Water Oxidation?. ACS Applied Materials & Interfaces, 2019, 11, 23125-23134.	8.0	34
78	Graphite oxide- and graphene oxide-supported catalysts for microwave-assisted glucose isomerisation in water. Green Chemistry, 2019, 21, 4341-4353.	9.0	80
79	Solar Water Splitting under Neutral Conditions Using Zâ€Scheme Systems with Moâ€Doped BiVO₄ as an O₂â€Evolving Photocatalyst. Energy Technology, 2019, 7, 1900358.	3.8	13
80	Green synthesis of gamma-valerolactone (GVL) through hydrogenation of biomass-derived levulinic acid using non-noble metal catalysts: A critical review. Chemical Engineering Journal, 2019, 372, 992-1006.	12.7	259
81	Photocatalytic generation of hydrogen coupled with in-situ hydrogen storage. International Journal of Hydrogen Energy, 2019, 44, 28521-28526.	7.1	7
82	Photocatalytic degradation of real industrial poultry wastewater via platinum decorated BiVO4/g-C3N4 photocatalyst under solar light irradiation. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 378, 46-56.	3.9	40
83	Heterogeneous photocatalysts: an overview of classic and modern approaches for optical, electronic, and charge dynamics evaluation. Chemical Society Reviews, 2019, 48, 1255-1271.	38.1	225
84	Lightâ€Driven Sustainable Hydrogen Production Utilizing TiO₂ Nanostructures: A Review. Small Methods, 2019, 3, 1800184.	8.6	118
85	Photocatalytic degradation of phenol wastewater over Z-scheme g-C3N4/CNT/BiVO4 heterostructure photocatalyst under solar light irradiation. Journal of Molecular Liquids, 2019, 277, 977-988.	4.9	116
86	Carbonâ€Coated Cu nanoparticles as a Cocatalyst of gâ€C₃N₄ for Enhanced Photocatalytic H₂ Evolution Activity under Visibleâ€Light Irradiation. Energy Technology, 2019, 7, 1800846.	3.8	17
87	ZnO/CdS/PbS nanotube arrays with multi-heterojunctions for efficient visible-light-driven photoelectrochemical hydrogen evolution. Chemical Engineering Journal, 2019, 362, 658-666.	12.7	76
88	Manipulation of Charge Transport by Metallic V₁₃O₁₆ Decorated on Bismuth Vanadate Photoelectrochemical Catalyst. Advanced Materials, 2019, 31, e1807204.	21.0	57
89	Revealing the role of kapok fibre as bio-template for In-situ construction of C-doped g-C3N4@C, N co-doped TiO2 core-shell heterojunction photocatalyst and its photocatalytic hydrogen production performance. Applied Surface Science, 2019, 476, 205-220.	6.1	66
90	Recent advances in suppressing the photocorrosion of cuprous oxide for photocatalytic and photoelectrochemical energy conversion. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2019, 40, 191-211.	11.6	113

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91	Synthesis and characterization of a La Ni/Î±-Al2O3 catalyst and its use in pyrolysis of glycerol to syngas. Renewable Energy, 2019, 132, 1389-1401.	8.9	25
92	Decorating platinum on nitrogen-doped graphene sheets: Control of the platinum particle size distribution for improved photocatalytic H2 generation. Chemical Engineering Science, 2019, 194, 85-93.	3.8	31
93	Cocatalysts on Semiconductor Photocatalyst: A Mini Review. Journal of the Indonesian Chemical Society, 2019, 2, 72.	0.3	0
94	Improving the Photo-Oxidative Performance of Bi₂MoO₆ by Harnessing the Synergy between Spatial Charge Separation and Rational Co-Catalyst Deposition. ACS Applied Materials & Interfaces, 2018, 10, 9342-9352.	8.0	44
95	MoS₂ Quantum Dots@TiO₂ Nanotube Arrays: An Extended-Spectrum-Driven Photocatalyst for Solar Hydrogen Evolution. ChemSusChem, 2018, 11, 1708-1721.	6.8	77
96	A dual-electrolyte system for photoelectrochemical hydrogen generation using CuInS2-In2O3-TiO2 nanotube array thin film. Science China Materials, 2018, 61, 895-904.	6.3	16
97	Transformation of Cuprous Oxide into Hollow Copper Sulfide Cubes for Photocatalytic Hydrogen Generation. Journal of Physical Chemistry C, 2018, 122, 14072-14081.	3.1	43
98	Highly Selective Reduction of CO₂ to Formate at Low Overpotentials Achieved by a Mesoporous Tin Oxide Electrocatalyst. ACS Sustainable Chemistry and Engineering, 2018, 6, 1670-1679.	6.7	96
99	Ab initio study of two-dimensional PdPS as an ideal light harvester and promising catalyst for hydrogen evolution reaction. Materials Today Energy, 2018, 7, 136-140.	4.7	24
100	Pulsed Electrodeposition of Co3 O4 Nanocrystals on One-Dimensional ZnO Scaffolds for Enhanced Electrochemical Water Oxidation. ChemPlusChem, 2018, 83, 889-889.	2.8	0
101	Future Energy Technology: Enabling New Science for a Sustainable Future. ChemPlusChem, 2018, 83, 890-892.	2.8	2
102	Electroreduction of CO₂ to CO on a Mesoporous Carbon Catalyst with Progressively Removed Nitrogen Moieties. ACS Energy Letters, 2018, 3, 2292-2298.	17.4	129
103	A review on visible-light induced photoelectrochemical sensors based on CdS nanoparticles. Journal of Materials Chemistry B, 2018, 6, 4551-4568.	5.8	92
104	Oxygen-deficient bismuth tungstate and bismuth oxide composite photoanode with improved photostability. Science Bulletin, 2018, 63, 990-996.	9.0	29
105	Pulsed Electrodeposition of Co₃O₄ Nanocrystals on Oneâ€Dimensional ZnO Scaffolds for Enhanced Electrochemical Water Oxidation. ChemPlusChem, 2018, 83, 934-940.	2.8	16
106	Construction of a Bi2MoO6:Bi2Mo3O12 heterojunction for efficient photocatalytic oxygen evolution. Chemical Engineering Journal, 2018, 353, 636-644.	12.7	56
107	Concentration-Mediated Band Gap Reduction of Bi₂MoO₆ Photoanodes Prepared by Bi³⁺ Cation Insertions into Anodized MoO₃ Thin Films: Structural, Optical, and Photoelectrochemical Properties. ACS Applied Energy Materials, 2018, 1, 3955-3964.	5.1	14
108	A sea-change: manganese doped nickel/nickel oxide electrocatalysts for hydrogen generation from seawater. Energy and Environmental Science, 2018, 11, 1898-1910.	30.8	192

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109	Photocorrosion of Cuprous Oxide in Hydrogen Production: Rationalising Selfâ€Oxidation or Selfâ€Reduction. Angewandte Chemie, 2018, 130, 13801-13805.	2.0	55
110	Photocorrosion of Cuprous Oxide in Hydrogen Production: Rationalising Selfâ€Oxidation or Selfâ€Reduction. Angewandte Chemie - International Edition, 2018, 57, 13613-13617.	13.8	177
111	Pulsed electrodeposition of CdS on ZnO nanorods for highly sensitive photoelectrochemical sensing of copper (II) ions. Sustainable Materials and Technologies, 2018, 18, e00075.	3.3	22
112	Multipronged Validation of Oxalate Câ€“C Bond Cleavage Driven by Au-TiO₂ Interfacial Charge Transfer Using Operando DRIFTS. ACS Catalysis, 2018, 8, 7158-7163.	11.2	8
113	Photo-driven synthesis of polymer-coated platinized ZnO nanoparticles with enhanced photoelectrochemical charge transportation. Journal of Materials Chemistry A, 2017, 5, 4568-4575.	10.3	16
114	Highly Selective Conversion of CO₂ to CO Achieved by a Threeâ€Dimensional Porous Silver Electrocatalyst. ChemistrySelect, 2017, 2, 879-884.	1.5	51
115	Unravelling charge carrier dynamics in protonated g-C3N4 interfaced with carbon nanodots as co-catalysts toward enhanced photocatalytic CO2 reduction: A combined experimental and first-principles DFT study. Nano Research, 2017, 10, 1673-1696.	10.4	376
116	Restoration of liquid effluent from oil palm agroindustry in Malaysia using UV/TiO 2 and UV/ZnO photocatalytic systems: A comparative study. Journal of Environmental Management, 2017, 196, 674-680.	7.8	42
117	Surface engineered tin foil for electrocatalytic reduction of carbon dioxide to formate. Catalysis Science and Technology, 2017, 7, 2542-2550.	4.1	39
118	Singleâ€Enzyme Biofuel Cells. Angewandte Chemie - International Edition, 2017, 56, 9762-9766.	13.8	23
119	Tiny Particles with Big Impacts on Clean Future Energy. Particle and Particle Systems Characterization, 2017, 34, 1700102.	2.3	0
120	Improving the photo-oxidative capability of BiOBr via crystal facet engineering. Journal of Materials Chemistry A, 2017, 5, 8117-8124.	10.3	163
121	Enhancing the Photoactivity of Faceted BiVO₄ via Annealing in Oxygenâ€Deficient Condition. Particle and Particle Systems Characterization, 2017, 34, 1600290.	2.3	75
122	Reduced graphene oxide is not a universal promoter for photocatalytic activities of TiO 2. Journal of Materiomics, 2017, 3, 51-57.	5.7	12
123	Monolithic Integration of Anodic Molybdenum Oxide Pseudocapacitive Electrodes on Screenâ€Printed Silicon Solar Cells for Hybrid Energy Harvestingâ€Storage Systems. Advanced Energy Materials, 2017, 7, 1602325.	19.5	14
124	Goldâ€“silver@TiO₂ nanocomposite-modified plasmonic photoanodes for higher efficiency dye-sensitized solar cells. Physical Chemistry Chemical Physics, 2017, 19, 1395-1407.	2.8	52
125	Liquid Hydrocarbon Production from CO₂: Recent Development in Metalâ€Based Electrocatalysis. ChemSusChem, 2017, 10, 4342-4358.	6.8	54
126	Platinum electrocatalysts with plasmonic nano-cores for photo-enhanced oxygen-reduction. Nano Energy, 2017, 41, 233-242.	16.0	41

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127	Batteries: An Operando Mechanistic Evaluation of a Solarâ€Rechargeable Sodiumâ€Ion Intercalation Battery (Adv. Energy Mater. 19/2017). Advanced Energy Materials, 2017, 7, .	19.5	1
128	Nitrogen Doped Carbon Nanosheets Coupled Nickelâ€“Carbon Pyramid Arrays Toward Efficient Evolution of Hydrogen. Advanced Sustainable Systems, 2017, 1, 1700032.	5.3	12
129	Plasmon enhanced selective electronic pathways in TiO2 supported atomically ordered bimetallic Au-Cu alloys. Journal of Catalysis, 2017, 352, 638-648.	6.2	16
130	An Operando Mechanistic Evaluation of a Solarâ€Rechargeable Sodiumâ€Ion Intercalation Battery. Advanced Energy Materials, 2017, 7, 1700545.	19.5	36
131	Singleâ€Enzyme Biofuel Cells. Angewandte Chemie, 2017, 129, 9894-9898.	2.0	4
132	Bio-mimicking TiO₂ architectures for enhanced photocatalytic activity under UV and visible light. RSC Advances, 2017, 7, 39098-39108.	3.6	9
133	Alternative strategies in improving the photocatalytic and photoelectrochemical activities of visible light-driven BiVO₄: a review. Journal of Materials Chemistry A, 2017, 5, 16498-16521.	10.3	364
134	One-Dimensional TiO2 Nanostructured Photoanodes: From Dye-Sensitised Solar Cells to Perovskite Solar Cells. Energies, 2016, 9, 1030.	3.1	23
135	Efficient Water Splitting Catalyzed by Cobalt Phosphideâ€Based Nanoneedle Arrays Supported on Carbon Cloth. ChemSusChem, 2016, 9, 472-477.	6.8	185
136	Highly Selective and Stable Reduction of CO₂ to CO by a Graphitic Carbon Nitride/Carbon Nanotube Composite Electrocatalyst. Chemistry - A European Journal, 2016, 22, 11991-11996.	3.3	132
137	Fabrication of high aspect ratio and openâ€ended TiO₂ nanotube photocatalytic arrays through electrochemical anodization. AICHE Journal, 2016, 62, 415-420.	3.6	11
138	Nanorods: Epitaxial Growth of Au-Pt-Ni Nanorods for Direct High Selectivity H2 O2 Production (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	21.0	1
139	ZnS Thin Films for Visible-Light Active Photoelectrodes: Effect of Film Morphology and Crystal Structure. Crystal Growth and Design, 2016, 16, 2461-2465.	3.0	27
140	Defect engineering of ZnS thin films for photoelectrochemical water-splitting under visible light. Solar Energy Materials and Solar Cells, 2016, 153, 179-185.	6.2	69
141	A study on the kinetics of syngas production from glycerol over alumina-supported samariumâ€“nickel catalyst. International Journal of Hydrogen Energy, 2016, 41, 10568-10577.	7.1	17
142	Graphitic Carbon Nitride (g-C₃N₄)-Based Photocatalysts for Artificial Photosynthesis and Environmental Remediation: Are We a Step Closer To Achieving Sustainability?. Chemical Reviews, 2016, 116, 7159-7329.	47.7	5,505
143	Mobile Polaronic States in Î±-MoO₃: An ab Initio Investigation of the Role of Oxygen Vacancies and Alkali Ions. ACS Applied Materials & Interfaces, 2016, 8, 10911-10917.	8.0	49
144	Exploring the Different Roles of Particle Size in Photoelectrochemical and Photocatalytic Water Oxidation on BiVO₄. ACS Applied Materials & Interfaces, 2016, 8, 28607-28614.	8.0	73

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145	Photocatalysis: Interfacing BiVO₄ with Reduced Graphene Oxide for Enhanced Photoactivity: A Tale of Facet Dependence of Electron Shuttling (Small 38/2016). Small, 2016, 12, 5232-5232.	10.0	0
146	Water Splitting and CO₂ Reduction under Visible Light Irradiation Using Z-Scheme Systems Consisting of Metal Sulfides, CoOx-Loaded BiVO₄, and a Reduced Graphene Oxide Electron Mediator. Journal of the American Chemical Society, 2016, 138, 10260-10264.	13.7	461
147	Interfacing BiVO 4 with Reduced Graphene Oxide for Enhanced Photoactivity: A Tale of Facet Dependence of Electron Shuttling. Small, 2016, 12, 5295-5302.	10.0	68
148	Epitaxial Growth of Auâ€“Ptâ€“Ni Nanorods for Direct High Selectivity H₂O₂ Production. Advanced Materials, 2016, 28, 9949-9955.	21.0	205
149	Câ€“C Cleavage by Au/TiO₂ during Ethanol Oxidation: Understanding Bandgap Photoexcitation and Plasmonically Mediated Charge Transfer via Quantitative in Situ DRIFTS. ACS Catalysis, 2016, 6, 8021-8029.	11.2	38
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