

# Pingwu Du

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Tuning the (Chir)Optical Properties and Squeezing out the Inherent Chirality in Polyphenylene-locked Helical Carbon Nanorings. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	18
2	A molecular cobaloxime cocatalyst and ultrathin FeOOH nanolayers co-modified BiVO <sub>4</sub> photoanode for efficient photoelectrochemical water oxidation. <i>Journal of Energy Chemistry</i> , 2022, 69, 497-505.	12.9	17
3	Synthesis of a magnetic $\pi$ -extended carbon nanosolenoid with Riemann $\pi$ surfaces. <i>Nature Communications</i> , 2022, 13, 1239.	12.8	20
4	Facile Synthesis of a Conjugated Macrocyclic Nanoring with Graphenic Hexabenzocoronene Sidewall as the Segment of [12,12] Carbon Nanotubes. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	9
5	An unexpected dual-emissive luminogen with tunable aggregation-induced emission and enhanced chiroptical property. <i>Nature Communications</i> , 2022, 13, .	12.8	45
6	Selective synthesis and (chir)optical properties of binaphthyl-based chiral carbon macrocycles. <i>Chemical Communications</i> , 2022, 58, 8278-8281.	4.1	9
7	Boosting Photoelectrochemical Water Oxidation Performance of Nanoporous BiVO <sub>4</sub> via Dual Cocatalysts Cobaloxime and Ni-OEC Modification. <i>Journal of Physical Chemistry C</i> , 2022, 126, 11042-11050.	3.1	5
8	Efficient Improved Charge Separation of FeP Decorated Worm-Like Nanoporous BiVO <sub>4</sub> Photoanodes for Solar-Driven Water Splitting. <i>Catalysis Letters</i> , 2021, 151, 1231-1238.	2.6	6
9	Synthesis and properties of a nanographene-embedded conjugated macrocyclic nanoring <i>via</i> the Scholl reaction. <i>Chemical Communications</i> , 2021, 57, 9104-9107.	4.1	16
10	A supramolecular polymeric heterojunction composed of an all-carbon conjugated polymer and fullerenes. <i>Chemical Science</i> , 2021, 12, 10506-10513.	7.4	27
11	Topology Selectivity in On-Surface Dehydrogenative Coupling Reaction: Dendritic Structure <i>versus</i> Porous Graphene Nanoribbon. <i>ACS Nano</i> , 2021, 15, 4617-4626.	14.6	15
12	Ozone modification as an efficient strategy for photocatalytic nitrogen fixation under visible light irradiation. <i>Journal of Porous Materials</i> , 2021, 28, 825-834.	2.6	1
13	Synthesis and Photophysical Properties of [3]Cyclo-1,8-pyrenes via [4 + 2] Cycloaddition Reaction. <i>Journal of Organic Chemistry</i> , 2021, 86, 7038-7045.	3.2	6
14	Efficient suppression of surface charge recombination by CoP-Modified nanoporous BiVO <sub>4</sub> for photoelectrochemical water splitting. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 15517-15525.	7.1	27
15	CdS Nanorods Anchored with Crystalline FeP Nanoparticles for Efficient Photocatalytic Formic Acid Dehydrogenation. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 23751-23759.	8.0	35
16	A Highly Strained All-Phenylene Conjoined Bismacrocycle. <i>Angewandte Chemie</i> , 2021, 133, 17508-17512.	2.0	11
17	A Highly Strained All-Phenylene Conjoined Bismacrocycle. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17368-17372.	13.8	42
18	Boosting Antitumor Sonodynamic Therapy Efficacy of Black Phosphorus via Covalent Functionalization. <i>Advanced Science</i> , 2021, 8, e2102422.	11.2	32

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19	NiCoP nanoparticles anchored on CdS nanorods for enhanced hydrogen production by visible light-driven formic acid dehydrogenation. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 32435-32444.	7.1	18
20	A Conjugated Molecular Crown Containing a Single Pyrenyl Unit: Synthesis, Characterization, and Photophysical Properties. <i>Chinese Journal of Organic Chemistry</i> , 2021, 41, 2401.	1.3	2
21	Pomegranate-like C60@cobalt/nitrogen-codoped porous carbon for high-performance oxygen reduction reaction and lithium-sulfur battery. <i>Nano Research</i> , 2021, 14, 2596-2605.	10.4	15
22	Precise membrane separation of nanoparticles using a microporous polymer containing radially $\pi$ -conjugated molecular carbocycles. <i>Chemical Communications</i> , 2021, 57, 11867-11870.	4.1	5
23	Synthesis and Physical Properties of a Phenanthrene-Based [6,6] Hollow Bilayer Cylindrical Nanoring. <i>Organic Letters</i> , 2021, 23, 7976-7980.	4.6	0
24	Ultrathin MOF Coupling with Molecular Cobaloxime to Construct an Efficient Hybrid Hematite Photoanode for Photocatalytic Water Splitting. <i>Journal of Physical Chemistry C</i> , 2021, 125, 23153-23161.	3.1	9
25	Large $\pi$ -Extended and Curved Carbon Nanorings as Carbon Nanotube Segments. <i>Accounts of Chemical Research</i> , 2021, 54, 4178-4190.	15.6	54
26	Nitrogen photofixation on holey g-C3N4 nanosheets with carbon vacancies under visible-light irradiation. <i>Chinese Chemical Letters</i> , 2020, 31, 792-796.	9.0	40
27	Self-supported Ni2P nanosheets on low-cost three-dimensional Fe foam as a novel electrocatalyst for efficient water oxidation. <i>Journal of Energy Chemistry</i> , 2020, 42, 71-76.	12.9	44
28	Selective Synthesis of Conjugated Chiral Macrocycles: Sidewall Segments of $(\pi^+)$ $\pi$ -Conjugated Carbon Nanotubes with Strong Circularly Polarized Luminescence. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1619-1626.	13.8	85
29	Selective Synthesis of Conjugated Chiral Macrocycles: Sidewall Segments of $(\pi^+)$ $\pi$ -Conjugated Carbon Nanotubes with Strong Circularly Polarized Luminescence. <i>Angewandte Chemie</i> , 2020, 132, 1636-1643.	2.0	38
30	Synthesis of Giant $\pi$ -Extended Molecular Macrocyclic Rings as Finite Models of Carbon Nanotubes Displaying Enriched Size-Dependent Physical Properties. <i>Chemistry - A European Journal</i> , 2020, 26, 2159-2163.	3.3	23
31	Enhancing the photodynamic therapy efficacy of black phosphorus nanosheets by covalently grafting fullerene C <sub>60</sub> . <i>Chemical Science</i> , 2020, 11, 11435-11442.	7.4	21
32	Homogeneous Molecular Iron Catalysts for Direct Photocatalytic Conversion of Formic Acid to Syngas (CO+H <sub>2</sub> ). <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14818-14824.	13.8	42
33	Synthesis, Photophysical and Supramolecular Properties of a $\pi$ -Conjugated Molecular Crown Containing a Pentagonal Unit: A Model Compound for Fullerene C <sub>240</sub> . <i>Synthesis</i> , 2020, 52, 2535-2540.	2.3	15
34	On-surface synthesis of planar acenes via regioselective aryl-aryl coupling. <i>Chemical Communications</i> , 2020, 56, 4890-4893.	4.1	9
35	Homogeneous Molecular Iron Catalysts for Direct Photocatalytic Conversion of Formic Acid to Syngas (CO+H <sub>2</sub> ). <i>Angewandte Chemie</i> , 2020, 132, 14928-14934.	2.0	2
36	Precise synthesis and photophysical properties of a small chiral carbon nanotube segment: cyclo[7]paraphenylene-2,6-naphthylene. <i>Chemical Communications</i> , 2019, 55, 9456-9459.	4.1	28

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37	From Planar Macrocyclic to Cylindrical Molecule: Synthesis and Properties of a Phenanthrene-Based Coronal Nanohoop as a Segment of [6,6]Carbon Nanotube. <i>Organic Letters</i> , 2019, 21, 5917-5921.	4.6	12
38	Kinetic Control over Morphology of Nanoporous Graphene on Surface. <i>ChemPhysChem</i> , 2019, 20, 2327-2332.	2.1	12
39	The Supramolecular Chemistry of Cycloparaphenylenes and Their Analogs. <i>Frontiers in Chemistry</i> , 2019, 7, 668.	3.6	72
40	Construction of a short metallofullerene-peapod with a spin probe. <i>Chemical Communications</i> , 2019, 55, 11511-11514.	4.1	14
41	Reaction selectivity of homochiral versus heterochiral intermolecular reactions of prochiral terminal alkynes on surfaces. <i>Nature Communications</i> , 2019, 10, 4122.	12.8	27
42	Multifunctionalized octamethoxy-[8]cycloparaphenylene: facile synthesis and analysis of novel photophysical and photoinduced electron transfer properties. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1885-1890.	4.5	18
43	Photoconductive Curved Nanographene/Fullerene Supramolecular Heterojunctions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6244-6249.	13.8	99
44	Photoconductive Curved Nanographene/Fullerene Supramolecular Heterojunctions. <i>Angewandte Chemie</i> , 2019, 131, 6310-6315.	2.0	30
45	A Long $\pi$ -Conjugated Poly( <i>para</i> -Phenylene)-Based Polymeric Segment of Single-Walled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2019, 141, 18938-18943.	13.7	41
46	Through-space $\pi$ -delocalization in a conjugated macrocycle consisting of [2.2]paracyclophane. <i>Chemical Communications</i> , 2019, 55, 14617-14620.	4.1	14
47	Cobalt Phosphide Nanowire Arrays on Conductive Substrate as an Efficient Bifunctional Catalyst for Overall Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2360-2369.	6.7	37
48	Integrating non-precious-metal cocatalyst Ni <sub>3</sub> N with g-C <sub>3</sub> N <sub>4</sub> for enhanced photocatalytic H <sub>2</sub> production in water under visible-light irradiation. <i>Chinese Journal of Catalysis</i> , 2019, 40, 160-167.	14.0	57
49	Azide Passivation of Black Phosphorus Nanosheets: Covalent Functionalization Affords Ambient Stability Enhancement. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1479-1483.	13.8	123
50	Highly efficient and selective photocatalytic dehydrogenation of benzyl alcohol for simultaneous hydrogen and benzaldehyde production over Ni-decorated Zn <sub>0.5</sub> Cd <sub>0.5</sub> S solid solution. <i>Journal of Energy Chemistry</i> , 2019, 30, 71-77.	12.9	60
51	A novel symmetrically multifunctionalized dodecamethoxy-cycloparaphenylene: synthesis, photophysical, and supramolecular properties. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1446-1451.	4.5	26
52	Mimicking the Key Functions of Photosystem II in Artificial Photosynthesis for Photoelectrocatalytic Water Splitting. <i>Journal of the American Chemical Society</i> , 2018, 140, 3250-3256.	13.7	224
53	Copper oxide nanosheets prepared by molten salt method for efficient electrocatalytic oxygen evolution reaction with low catalyst loading. <i>Electrochimica Acta</i> , 2018, 263, 318-327.	5.2	44
54	Facile three-step synthesis and photophysical properties of [8]-, [9]-, and [12]cyclo-1,4-naphthalene nanorings via platinum-mediated reductive elimination. <i>Chemical Communications</i> , 2018, 54, 988-991.	4.1	36

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55	Hybridizing MoS <sub>2</sub> and C <sub>60</sub> via a van der Waals heterostructure toward synergistically enhanced visible light photocatalytic hydrogen production activity. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 8698-8706.	7.1	27
56	Degradation Chemistry and Stabilization of Exfoliated Few-Layer Black Phosphorus in Water. <i>Journal of the American Chemical Society</i> , 2018, 140, 7561-7567.	13.7	273
57	Highly efficient simultaneous hydrogen evolution and benzaldehyde production using cadmium sulfide nanorods decorated with small cobalt nanoparticles under visible light. <i>Journal of Catalysis</i> , 2018, 357, 147-153.	6.2	93
58	A novel two-dimensional nickel phthalocyanine-based metal-organic framework for highly efficient water oxidation catalysis. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1188-1195.	10.3	265
59	Defect engineering of mesoporous nickel ferrite and its application for highly enhanced water oxidation catalysis. <i>Journal of Catalysis</i> , 2018, 358, 1-7.	6.2	68
60	Stabilizing black phosphorus nanosheets via edge-selective bonding of sacrificial C <sub>60</sub> molecules. <i>Nature Communications</i> , 2018, 9, 4177.	12.8	171
61	Metal-free graphene quantum dots photosensitizer coupled with nickel phosphide cocatalyst for enhanced photocatalytic hydrogen production in water under visible light. <i>Chinese Journal of Catalysis</i> , 2018, 39, 1753-1761.	14.0	23
62	Embedding Noble-Metal-Free Ni <sub>2</sub> P Cocatalyst on g-C <sub>3</sub> N <sub>4</sub> for Enhanced Photocatalytic H <sub>2</sub> Evolution in Water Under Visible Light. <i>Catalysis Letters</i> , 2018, 148, 3741-3749.	2.6	16
63	A highly efficient photoelectrochemical cell using cobalt phosphide-modified nanoporous hematite photoanode for solar-driven water splitting. <i>Journal of Catalysis</i> , 2018, 366, 275-281.	6.2	38
64	A Three-Dimensional Capsule-like Carbon Nanocage as a Segment Model of Capped Zigzag [12,0] Carbon Nanotubes: Synthesis, Characterization, and Complexation with C <sub>70</sub> . <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9330-9335.	13.8	75
65	A Three-Dimensional Capsule-like Carbon Nanocage as a Segment Model of Capped Zigzag [12,0] Carbon Nanotubes: Synthesis, Characterization, and Complexation with C <sub>70</sub> . <i>Angewandte Chemie</i> , 2018, 130, 9474-9479.	2.0	38
66	Black Phosphorus Revisited: A Missing Metal-Free Elemental Photocatalyst for Visible Light Hydrogen Evolution. <i>Advanced Materials</i> , 2017, 29, 1605776.	21.0	405
67	Cobalt nitride as an efficient cocatalyst on CdS nanorods for enhanced photocatalytic hydrogen production in water. <i>Catalysis Science and Technology</i> , 2017, 7, 1515-1522.	4.1	63
68	A Large Extended Carbon Nanoring Based on Nanographene Units: Bottom-Up Synthesis, Photophysical Properties, and Selective Complexation with Fullerene C <sub>70</sub> . <i>Angewandte Chemie - International Edition</i> , 2017, 56, 158-162.	13.8	95
69	Improving the water splitting performance of nickel electrodes by optimizing their pore structure using a phase inversion method. <i>Catalysis Science and Technology</i> , 2017, 7, 3056-3064.	4.1	18
70	Large Extension of Carbon Nanorings by Incorporating Hexa-peri-hexabenzocoronenes. <i>Synlett</i> , 2017, 28, 1671-1677.	1.8	11
71	A facile mechanochemical route to a covalently bonded graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) and fullerene hybrid toward enhanced visible light photocatalytic hydrogen production. <i>Nanoscale</i> , 2017, 9, 5615-5623.	5.6	89
72	A Large Extended Carbon Nanoring Based on Nanographene Units: Bottom-Up Synthesis, Photophysical Properties, and Selective Complexation with Fullerene C <sub>70</sub> . <i>Angewandte Chemie</i> , 2017, 129, 164-168.	2.0	52

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73	Crystalline Copper Phosphide Nanosheets as an Efficient Janus Catalyst for Overall Water Splitting. ACS Applied Materials & Interfaces, 2017, 9, 2240-2248.	8.0	228
74	Highly Efficient and Stable Water Oxidation Electrocatalysis with a Very Low Overpotential using FeNiP Substitutional Solid Solution Nanoplate Arrays. Advanced Materials, 2017, 29, 1704075.	21.0	163
75	Heptanuclear Co, Ni and mixed Co-Ni clusters as high-performance water oxidation electrocatalysts. Electrochimica Acta, 2017, 249, 343-352.	5.2	20
76	Incorporating a molecular co-catalyst with a heterogeneous semiconductor heterojunction photocatalyst: Novel mechanism with two electron-transfer pathways for enhanced solar hydrogen production. Journal of Catalysis, 2017, 353, 274-285.	6.2	35
77	Integrating noble-metal-free NiS cocatalyst with a semiconductor heterojunction composite for efficient photocatalytic H <sub>2</sub> production in water under visible light. Chinese Journal of Catalysis, 2017, 38, 2102-2109.	14.0	61
78	Incorporating Graphitic Carbon Nitride (g-C <sub>3</sub> N <sub>4</sub> ) Quantum Dots into Bulk-Heterojunction Polymer Solar Cells Leads to Efficiency Enhancement. Advanced Functional Materials, 2016, 26, 1719-1728.	14.9	221
79	Noble Metal-Free Copper Hydroxide as an Active and Robust Electrocatalyst for Water Oxidation at Weakly Basic pH. ACS Sustainable Chemistry and Engineering, 2016, 4, 2593-2600.	6.7	66
80	A cycloparaphenylene nanoring with graphenic hexabenzocoronene sidewalls. Chemical Communications, 2016, 52, 7164-7167.	4.1	59
81	Synergistic Effect of a Molecular Cocatalyst and a Heterojunction in a 1D Semiconductor Photocatalyst for Robust and Highly Efficient Solar Hydrogen Production. ChemSusChem, 2016, 9, 3084-3092.	6.8	32
82	Enhanced photocatalytic H <sub>2</sub> production on cadmium sulfide photocatalysts using nickel nitride as a novel cocatalyst. Journal of Materials Chemistry A, 2016, 4, 13289-13295.	10.3	116
83	A Copper Porphyrin-Based Conjugated Mesoporous Polymer-Derived Bifunctional Electrocatalyst for Hydrogen and Oxygen Evolution. ChemSusChem, 2016, 9, 2365-2373.	6.8	80
84	Enhanced photocatalytic H <sub>2</sub> production on CdS nanorods with simple molecular bidentate cobalt complexes as cocatalysts under visible light. Dalton Transactions, 2016, 45, 12897-12905.	3.3	29
85	Pyrolyzed cobalt porphyrin-based conjugated mesoporous polymers as bifunctional catalysts for hydrogen production and oxygen evolution in water. Chemical Communications, 2016, 52, 13483-13486.	4.1	61
86	Polymer Solar Cells: Incorporating Graphitic Carbon Nitride (g-C <sub>3</sub> N <sub>4</sub> ) Quantum Dots into Bulk-Heterojunction Polymer Solar Cells Leads to Efficiency Enhancement (Adv. Funct. Mater. 11/2016). Advanced Functional Materials, 2016, 26, 1851-1851.	14.9	8
87	Ternary metal phosphide nanosheets as a highly efficient electrocatalyst for water reduction to hydrogen over a wide pH range from 0 to 14. Journal of Materials Chemistry A, 2016, 4, 10195-10202.	10.3	117
88	Cadmium sulfide/graphitic carbon nitride heterostructure nanowire loading with a nickel hydroxide cocatalyst for highly efficient photocatalytic hydrogen production in water under visible light. Nanoscale, 2016, 8, 4748-4756.	5.6	127
89	Cuprous oxide thin film directly electrodeposited from a simple copper salt on conductive electrode for efficient oxygen evolution reaction. Electrochimica Acta, 2016, 187, 381-388.	5.2	23
90	Core-shell amorphous cobalt phosphide/cadmium sulfide semiconductor nanorods for exceptional photocatalytic hydrogen production under visible light. Journal of Materials Chemistry A, 2016, 4, 1598-1602.	10.3	108

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91	In situ generated highly active copper oxide catalysts for the oxygen evolution reaction at low overpotential in alkaline solutions. <i>Chemical Communications</i> , 2016, 52, 5546-5549.	4.1	74
92	An artificial photosynthetic system containing an inorganic semiconductor and a molecular catalyst for photocatalytic water oxidation. <i>Journal of Catalysis</i> , 2016, 338, 168-173.	6.2	66
93	Cadmium Sulfide Nanorods Decorated with Copper Sulfide via One-Step Cation Exchange Approach for Enhanced Photocatalytic Hydrogen Evolution under Visible Light. <i>ChemCatChem</i> , 2016, 8, 157-162.	3.7	39
94	An iron porphyrin-based conjugated network wrapped around carbon nanotubes as a noble-metal-free electrocatalyst for efficient oxygen reduction reaction. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 821-827.	6.0	39
95	Self-Supported Copper Oxide Electrocatalyst for Water Oxidation at Low Overpotential and Confirmation of Its Robustness by Cu K-Edge X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2016, 120, 831-840.	3.1	146
96	A cocatalyst-free CdS nanorod/ZnS nanoparticle composite for high-performance visible-light-driven hydrogen production from water. <i>Journal of Materials Chemistry A</i> , 2016, 4, 675-683.	10.3	214
97	Synthesis and Enhanced Electrochemical Catalytic Performance of Monolayer WS <sub>2</sub> (1-x)/Se <sub>2</sub> (x) with a Tunable Band Gap. <i>Advanced Materials</i> , 2015, 27, 4732-4738.	21.0	214
98	Covalent Cobalt Porphyrin Framework on Multiwalled Carbon Nanotubes for Efficient Water Oxidation at Low Overpotential. <i>Chemistry of Materials</i> , 2015, 27, 4586-4593.	6.7	108
99	Hydrogen Production on a Hybrid Photocatalytic System Composed of Ultrathin CdS Nanosheets and a Molecular Nickel Complex. <i>Chemistry - A European Journal</i> , 2015, 21, 4571-4575.	3.3	59
100	Earth-Abundant Copper-Based Bifunctional Electrocatalyst for Both Catalytic Hydrogen Production and Water Oxidation. <i>ACS Catalysis</i> , 2015, 5, 1530-1538.	11.2	150
101	Copper oxide nanomaterials synthesized from simple copper salts as active catalysts for electrocatalytic water oxidation. <i>Electrochimica Acta</i> , 2015, 160, 202-208.	5.2	110
102	Atomic Scale Analysis of the Enhanced Electro- and Photo-Catalytic Activity in High-Index Faceted Porous NiO Nanowires. <i>Scientific Reports</i> , 2015, 5, 8557.	3.3	12
103	Robust and highly active copper-based electrocatalyst for hydrogen production at low overpotential in neutral water. <i>Chemical Communications</i> , 2015, 51, 12954-12957.	4.1	71
104	High catalytic activity for water oxidation based on nanostructured nickel phosphide precursors. <i>Chemical Communications</i> , 2015, 51, 11626-11629.	4.1	182
105	Molecular cobalt-salen complexes as novel cocatalysts for highly efficient photocatalytic hydrogen production over a CdS nanorod photosensitizer under visible light. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15729-15737.	10.3	83
106	MoP is a novel, noble-metal-free cocatalyst for enhanced photocatalytic hydrogen production from water under visible light. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16941-16947.	10.3	211
107	Extraordinarily efficient photocatalytic hydrogen evolution in water using semiconductor nanorods integrated with crystalline Ni <sub>2</sub> P cocatalysts. <i>Energy and Environmental Science</i> , 2015, 8, 2668-2676.	30.8	519
108	Copper phosphide modified cadmium sulfide nanorods as a novel p-n heterojunction for highly efficient visible-light-driven hydrogen production in water. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10243-10247.	10.3	175

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109	Pyrolyzed cobalt porphyrin-modified carbon nanomaterial as an active catalyst for electrocatalytic water oxidation. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 6538-6545.	7.1	45
110	Cobalt-Salen Complexes as Catalyst Precursors for Electrocatalytic Water Oxidation at Low Overpotential. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8998-9004.	3.1	60
111	Enhanced photocatalytic hydrogen production in water under visible light using noble metal-free ferrous phosphide as an active cocatalyst. <i>Catalysis Science and Technology</i> , 2015, 5, 4964-4967.	4.1	83
112	Microwave-assisted synthesis of hematite/activated graphene composites with superior performance for photocatalytic reduction of Cr(VI). <i>RSC Advances</i> , 2015, 5, 81438-81444.	3.6	16
113	A robust hydrogen evolution catalyst based on crystalline nickel phosphide nanoflakes on three-dimensional graphene/nickel foam: high performance for electrocatalytic hydrogen production from pH 14. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1941-1946.	10.3	138
114	Oxyanion induced variations in domain structure for amorphous cobalt oxide oxygen evolving catalysts, resolved by X-ray pair distribution function analysis. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2015, 71, 713-721.	1.1	17
115	Solar cells and photocatalytic systems: general discussion. <i>Faraday Discussions</i> , 2014, 176, 313-331.	3.2	1
116	Direct growth of porous crystalline NiCo <sub>2</sub> O <sub>4</sub> nanowire arrays on a conductive electrode for high-performance electrocatalytic water oxidation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20823-20831.	10.3	111
117	Microwave-assisted heating synthesis: a general and rapid strategy for large-scale production of highly crystalline g-C <sub>3</sub> N <sub>4</sub> with enhanced photocatalytic H <sub>2</sub> production. <i>Green Chemistry</i> , 2014, 16, 4663-4668.	9.0	166
118	Facile deposition of cobalt oxide based electrocatalyst on low-cost and tin-free electrode for water splitting. <i>Journal of Energy Chemistry</i> , 2014, 23, 179-184.	12.9	10
119	Cobalt porphyrin electrode films for electrocatalytic water oxidation. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 11224-11232.	2.8	58
120	Electrochemical, spectroscopic and theoretical studies of a simple bifunctional cobalt corrole catalyst for oxygen evolution and hydrogen production. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 1883-1893.	2.8	188
121	Noble-Metal-Free Ni(OH) <sub>2</sub> -Modified CdS/Reduced Graphene Oxide Nanocomposite with Enhanced Photocatalytic Activity for Hydrogen Production under Visible Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22896-22903.	3.1	140
122	Structural, spectroscopic and theoretical studies of a vapochromic platinum(II) terpyridyl complex. <i>CrystEngComm</i> , 2014, 16, 5531-5542.	2.6	35
123	MoS <sub>2</sub> nanosheet/TiO <sub>2</sub> nanowire hybrid nanostructures for enhanced visible-light photocatalytic activities. <i>Chemical Communications</i> , 2014, 50, 15447-15449.	4.1	173
124	Nickel-Based Thin Film on Multiwalled Carbon Nanotubes as an Efficient Bifunctional Electrocatalyst for Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 15395-15402.	8.0	112
125	Reversible Mechanochromic Luminescence at Room Temperature in Cationic Platinum(II) Terpyridyl Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 3338-3344.	4.0	75
126	Linear Bimetallic Alkynylplatinum(II) Terpyridyl Complexes Bearing <i>p</i> -Phenylene Ethynylene Oligomers: Synthesis, Characterization, Aggregation, and Photophysical Properties. <i>Organometallics</i> , 2014, 33, 2738-2746.	2.3	11

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127	Green Cobalt Oxide (CoO) Film with Nanoribbon Structures Electrodeposited from the BF <sub>2</sub> -Annulated Cobaloxime Precursor for Efficient Water Oxidation. ACS Applied Materials & Interfaces, 2014, 6, 10929-10934.	8.0	47
128	Synthesis of branched tetranuclear alkynylplatinum(II) terpyridine complexes and their photophysical properties. Tetrahedron Letters, 2014, 55, 3486-3490.	1.4	5
129	Optical Properties of Metal-Molybdenum Disulfide Hybrid Nanosheets and Their Application for Enhanced Photocatalytic Hydrogen Evolution. ACS Nano, 2014, 8, 6979-6985.	14.6	92
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