Yong Ding

List of Publications by Year in descending order

102 papers	5,452 citations	71102 41 h-index	85541 71 g-index
104 all docs	104 docs citations	104 times ranked	4964 citing authors

#	Article	IF	Citations
1	Crystal facet engineering of BiVO4/CQDs/TPP with improved charge transfer efficiency for photocatalytic water oxidation. Chemical Engineering Journal, 2022, 430, 132872.	12.7	30
2	Viologen-based covalent triazine frameworks for NO2 sensing at room temperature. Sensors and Actuators B: Chemical, 2022, 352, 131045.	7.8	7
3	Coupling NiCo catalysts with carbon quantum dots on hematite photoanodes for highly efficient oxygen evolution. Journal of Materials Chemistry A, 2022, 10, 2813-2818.	10.3	17
4	Metalâ€“Organic Cages with {SiW₉Ni₄} Polyoxotungstate Nodes. Angewandte Chemie - International Edition, 2022, 61, .	13.8	22
5	Light-Driven CO₂ Reduction over Prussian Blue Analogues as Heterogeneous Catalysts. ACS Catalysis, 2022, 12, 89-100.	11.2	47
6	Efficient water splitting over a hybrid photocatalyst with (002) active facets and heterostructure. Chemical Communications, 2022, 58, 8129-8132.	4.1	4
7	A homogeneous Cu-based polyoxometalate coupled with mesoporous TiO2 for efficient photocatalytic H2 production. Journal of Colloid and Interface Science, 2021, 587, 613-621.	9.4	24
8	Si-doped graphene nanosheets for NOx gas sensing. Sensors and Actuators B: Chemical, 2021, 328, 129005.	7.8	42
9	Visible-light driven ZnIn2S4/TiO2-x heterostructure for boosting photocatalytic H2 evolution. International Journal of Hydrogen Energy, 2021, 46, 6262-6271.	7.1	53
10	Defective acidic 2D COF-based catalysts for boosting the performance of polyoxymethylene diethyl ether synthesis under mild conditions. Dalton Transactions, 2021, 50, 5139-5145.	3.3	2
11	Electrochemical Trimming of Graphene Oxide Affords Graphene Quantum Dots for Fe³⁺ Detection. ACS Applied Nano Materials, 2021, 4, 5220-5229.	5.0	13
12	Integrating Mo2Bx (xÂ=Â1, 4) with CdS for efficient photocatalytic hydrogen production. Chemical Engineering Journal, 2021, 410, 128339.	12.7	29
13	Si-doped graphene nanosheets as a metal-free catalyst for electrochemical detection of nitroaromatic explosives. Journal of Colloid and Interface Science, 2021, 594, 848-856.	9.4	11
14	Morphology Engineering of BiVO₄ with CoO_x Derived from Cobaltâ€containing Polyoxometalate as Coâ€catalyst for Oxygen Evolution. Chemistry - an Asian Journal, 2021, 16, 2967-2972.	3.3	8
15	Covalent immobilization of molecular complexes on metal-organic frameworks towards robust and highly efficient heterogeneous water oxidation catalysts. Applied Catalysis B: Environmental, 2021, 291, 120070.	20.2	22
16	Carbon quantum dots enriching molecular nickel polyoxometalate over CdS semiconductor for photocatalytic water splitting. Applied Catalysis B: Environmental, 2021, 293, 120214.	20.2	112
17	Structural evolution of imine-linked covalent organic frameworks and their NH₃ sensing performance. Journal of Materials Chemistry C, 2021, 9, 8562-8569.	5.5	31
18	Enhancing the macroscopic polarization of CdS for piezo-photocatalytic water splitting. Nano Energy, 2021, 90, 106635.	16.0	77

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19	Carbon Quantum Dot Conjugated Copper(II) Phthalocyanine Integrating BiVO₄ Semiconductor for Photocatalytic Water Oxidation. Journal of Physical Chemistry C, 2021, 125, 24413-24421.	3.1	11
20	Rationally designed/assembled hybrid BiVO4-based photoanode for enhanced photoelectrochemical performance. Applied Catalysis B: Environmental, 2020, 260, 118136.	20.2	69
21	Cubic Co-Co prussian blue MOF-based transition metal phosphide as an efficient catalyst for visible light-driven water oxidation. Journal of Catalysis, 2020, 382, 13-21.	6.2	25
22	Study two kind different catalytic behaviors for K4H1.2[Co0.6(H2O)0.6SiW11.4O39.4]-cocatalyzed visible light driven water oxidation in pH 1â€“7 media. Journal of Catalysis, 2020, 392, 29-38.	6.2	4
23	Amorphous CoO coupled carbon dots as a spongy porous bifunctional catalyst for efficient photocatalytic water oxidation and CO2 reduction. Chinese Journal of Catalysis, 2020, 41, 1826-1836.	14.0	76
24	Covalent triazine-based frameworks for NH3 gas sensing at room temperature. Sensors and Actuators B: Chemical, 2020, 321, 128513.	7.8	20
25	Immobilization of Metalâ€“Organic Framework MIL-100(Fe) on the Surface of BiVO₄: A New Platform for Enhanced Visible-Light-Driven Water Oxidation. ACS Applied Materials & Interfaces, 2020, 12, 10410-10419.	8.0	42
26	Carbon quantum dots assisted strategy to synthesize Co@NC for boosting photocatalytic hydrogen evolution performance of CdS. Chemical Engineering Journal, 2020, 389, 124432.	12.7	108
27	A graphene oxideâ€“molecular Cu porphyrin-integrated BiVO₄ photoanode for improved photoelectrochemical water oxidation performance. Journal of Materials Chemistry A, 2020, 8, 4062-4072.	10.3	66
28	Visible-light-driven hydrogen evolution using a polyoxometalate-based copper molecular catalyst. Dalton Transactions, 2020, 49, 3457-3462.	3.3	18
29	Enhanced Photoelectrochemical Performance of WO₃â€Based Composite Photoanode Coupled with Carbon Quantum Dots and NiFe Layered Double Hydroxide. ChemSusChem, 2019, 12, 4685-4692.	6.8	27
30	Recent Progress in Visible Light Driven Water Oxidation Using Semiconductors Coupled with Molecular Catalysts. ChemCatChem, 2019, 11, 6190-6202.	3.7	28
31	Enhanced photoelectrochemical water oxidation activity of BiVO4 by coating of Co-phenolic networks as hole-transfer and co-catalyst. Journal of Catalysis, 2019, 377, 684-691.	6.2	43
32	Synthesis of a 6-nm-Long Transition-Metalâ€“Rare-Earth-Containing Polyoxometalate. Inorganic Chemistry, 2019, 58, 12534-12537.	4.0	38
33	A stable iron-containing polyoxometalate coupled with semiconductor for efficient photocatalytic water oxidation under acidic condition. Chemical Communications, 2019, 55, 11778-11781.	4.1	23
34	Enhanced photocatalytic activity of BiVO4 coupled with iron-based complexes for water oxidation under visible light irradiation. Chemical Communications, 2019, 55, 2529-2532.	4.1	18
35	Amorphous Niâ€“Fe double hydroxide hollow nanocubes enriched with oxygen vacancies as efficient electrocatalytic water oxidation catalysts. Chemical Communications, 2019, 55, 1044-1047.	4.1	102
36	FeO_x Derived from an Iron-Containing Polyoxometalate Boosting the Photocatalytic Water Oxidation Activity of Ti³⁺-Doped TiO₂. ACS Applied Materials & Interfaces, 2019, 11, 23135-23143.	8.0	20

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37	A novel dicobalt-substituted tungstoantimonate polyoxometalate: Synthesis, characterization, and photocatalytic water oxidation properties. Chinese Journal of Catalysis, 2019, 40, 953-958.	14.0	25
38	Ultrathin CoO_xnanolayers derived from polyoxometalate for enhanced photoelectrochemical performance of hematite photoanodes. Journal of Materials Chemistry A, 2019, 7, 6294-6303.	10.3	61
39	Insight into a hexanuclear cobalt complex: Strategy to construct efficient catalysts for visible light-driven water oxidation. Applied Catalysis B: Environmental, 2019, 241, 351-358.	20.2	28
40	Co Nanoparticles Decorated with Nitrogen Doped Carbon Nanotubes for Boosting Photocatalytic Water Splitting. ACS Sustainable Chemistry and Engineering, 2019, 7, 1753-1759.	6.7	38
41	Efficient visible light-driven water oxidation catalysts based on B-Î²-{BiW₈O₃₀} and unique 14-nuclear hetero-metal sandwich unit. Chemical Communications, 2018, 54, 674-677.	4.1	13
42	Ultrathin FeOOH Nanolayers with Abundant Oxygen Vacancies on BiVO₄ Photoanodes for Efficient Water Oxidation. Angewandte Chemie - International Edition, 2018, 57, 2248-2252.	13.8	558
43	Ultrathin FeOOH Nanolayers with Abundant Oxygen Vacancies on BiVO₄ Photoanodes for Efficient Water Oxidation. Angewandte Chemie, 2018, 130, 2270-2274.	2.0	57
44	Rationally designed/constructed MnOx/WO3 anode for photoelectrochemical water oxidation. Chinese Chemical Letters, 2018, 29, 811-814.	9.0	19
45	Boosting photocatalytic water oxidation achieved by BiVO4 coupled with iron-containing polyoxometalate: Analysis the true catalyst. Journal of Catalysis, 2018, 363, 109-116.	6.2	67
46	Water oxidation catalytic ability of polypyridine complex containing a Î¼-OH, Î¼-O2 dicobalt(iii) core. Chinese Journal of Catalysis, 2018, 39, 463-471.	14.0	35
47	Homogeneous electrocatalytic water oxidation at neutral pH by a robust trinuclear copper(<scp>ii</scp>)-substituted polyoxometalate. Chemical Communications, 2018, 54, 354-357.	4.1	52
48	Binuclear polyoxometalates based on abundant metals as efficient homogeneous photocatalytic water oxidation catalysts. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 355, 371-376.	3.9	8
49	An octanuclear Cu(<scp>ii</scp>) cluster with a bio-inspired Cu₄O₄ cubic fragment for efficient photocatalytic water oxidation. Chemical Communications, 2018, 54, 12515-12518.	4.1	36
50	Facet effect of Co3O4 nanocrystals on visible-light driven water oxidation. Applied Catalysis B: Environmental, 2018, 237, 74-84.	20.2	88
51	P vacancies-enriched 3D hierarchical reduced cobalt phosphide as a precursor template for defect engineering for efficient water oxidation. Journal of Materials Chemistry A, 2018, 6, 14939-14948.	10.3	125
52	Catalysts Based on Earthâ€Abundant Metals for Visible Lightâ€Driven Water Oxidation Reaction. Chemical Record, 2018, 18, 1531-1547.	5.8	16
53	Homogeneous and heterogeneous photocatalytic water oxidation by polyoxometalates containing the most earth-abundant transition metal, iron. Applied Catalysis B: Environmental, 2018, 237, 1091-1100.	20.2	47
54	Recent advances in the field of light-driven water oxidation catalyzed by transition-metal substituted polyoxometalates. Dalton Transactions, 2018, 47, 8180-8188.	3.3	56

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55	Study of the Active Sites in Porous Nickel Oxide Nanosheets by Manganese Modulation for Enhanced Oxygen Evolution Catalysis. ACS Energy Letters, 2018, 3, 2150-2158.	17.4	131
56	Rationally Designed/Constructed CoO_x/WO₃ Anode for Efficient Photoelectrochemical Water Oxidation. ACS Catalysis, 2017, 7, 1841-1845.	11.2	141
57	Polyoxometalate-based manganese clusters as catalysts for efficient photocatalytic and electrochemical water oxidation. Applied Catalysis B: Environmental, 2017, 209, 45-52.	20.2	62
58	In Situ Grown Pristine Cobalt Sulfide as Bifunctional Photocatalyst for Hydrogen and Oxygen Evolution. Advanced Functional Materials, 2017, 27, 1605846.	14.9	145
59	Ironâ€“cobalt bimetal oxide nanorods as efficient and robust water oxidation catalysts. Dalton Transactions, 2017, 46, 10602-10610.	3.3	22
60	The mechanism change by switching the reactants from water to hydroxyl ions for electrocatalytic water oxidation: a case study of copper oxide microspheres. Dalton Transactions, 2017, 46, 7327-7331.	3.3	40
61	Design and synthesis of Cu modified cobalt oxides with hollow polyhedral nanocages as efficient electrocatalytic and photocatalytic water oxidation catalysts. Journal of Catalysis, 2017, 352, 246-255.	6.2	66
62	Efficient Co@CoO core-shell nanocrystals as catalysts for visible-light-driven water oxidation. Applied Catalysis B: Environmental, 2017, 210, 67-76.	20.2	27
63	Efficient hydrogen production from MIL-53(Fe) catalyst-modified Mo:BiVO₄ photoelectrodes. Catalysis Science and Technology, 2017, 7, 4971-4976.	4.1	41
64	Identification of homogeneous [Co4(H2O)4(HPMIDA)2(PMIDA)2]6â^' as an effective molecular-light-driven water oxidation catalyst. Applied Catalysis B: Environmental, 2017, 202, 397-403.	20.2	19
65	[{Î²-SiNi₂W₁₀O₃₆(OH)₂(H₂O)}₄]^{24â^'}: a new robust visible light-driven water oxidation catalyst based on nickel-containing polyoxometalate. Chemical Communications, 2016, 52, 14494-14497.	4.1	42
66	Porous Co 3 O 4 /CuO hollow polyhedral nanocages derived from metal-organic frameworks with heterojunctions as efficient photocatalytic water oxidation catalysts. Applied Catalysis B: Environmental, 2016, 198, 447-456.	20.2	153
67	Mn-doping and NiFe layered double hydroxide coating: Effective approaches to enhancing the performance of Î±-Fe2O3 in photoelectrochemical water oxidation. Journal of Catalysis, 2016, 340, 261-269.	6.2	107
68	Solvation effect promoted formation of pâ€“n junction between WO3 and FeOOH: A high performance photoanode for water oxidation. Journal of Catalysis, 2016, 333, 200-206.	6.2	86
69	Flowerâ”like 3D CuO microsphere acting as photocatalytic water oxidation catalyst. Chinese Journal of Catalysis, 2016, 37, 123-134.	14.0	69
70	Efficient Photochemical, Thermal, and Electrochemical Water Oxidation Catalyzed by a Porous Iron-Based Oxide Derived Metalâ€“Organic Framework. Journal of Physical Chemistry C, 2016, 120, 517-526.	3.1	29
71	Morphologyâ€Controlled Selfâ€Assembly and Nanostructured NiO: An Eï¬ƒcient and Robust Photocatalytic Waterâ€Oxidation Catalyst. ChemCatChem, 2015, 7, 2370-2376.	3.7	16
72	A Bioinspired Molecular Polyoxometalate Catalyst with Two Cobalt(II) Oxide Cores for Photocatalytic Water Oxidation. ChemSusChem, 2015, 8, 2630-2634.	6.8	78

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73	Efficient photocatalytic water oxidation catalyzed by polyoxometalate [Fe₁₁(H₂O)₁₄(OH)₂(W₃O₁₀)₄]₂(β2-SbW<su based on abundant metals. Chemical Communications, 2015, 51, 13925-13928.	4.1	62
74	Ferromagnetic nanocrystallines containing copper as an efficient catalyst for photoinduced water oxidation. Physical Chemistry Chemical Physics, 2015, 17, 10648-10655.	2.8	20
75	Efficient light-driven water oxidation catalyzed by a mononuclear cobalt(<scp>iii</scp>) complex. Chemical Communications, 2015, 51, 17309-17312.	4.1	41
76	Efficient visible light-driven water oxidation catalyzed by an all-inorganic copper-containing polyoxometalate. Chemical Communications, 2015, 51, 17443-17446.	4.1	60
77	Efficient photocatalytic H2 evolution catalyzed by an unprecedented robust molecular semiconductor {Fe11} nanocluster without cocatalysts at neutral conditions. Nano Energy, 2015, 16, 247-255.	16.0	94
78	M_xCo_{3â^'x}O₄ (M = Co, Mn, Fe) porous nanocages derived from metalâ€“organic frameworks as efficient water oxidation catalysts. Journal of Materials Chemistry A, 2015, 3, 22300-22310.	10.3	65
79	Hexagonal assembly of Co₃V₂O₈nanoparticles acting as an efficient catalyst for visible light-driven water oxidation. Journal of Materials Chemistry A, 2014, 2, 19308-19314.	10.3	58
80	A mononuclear cobalt complex with an organic ligand acting as a precatalyst for efficient visible light-driven water oxidation. Chemical Communications, 2014, 50, 2167-2169.	4.1	71
81	Visibleâ€Lightâ€Induced Water Oxidation Mediated by a Mononuclearâ€Cobalt(II)â€Substituted Silicotungstate. Chemistry - an Asian Journal, 2014, 9, 3228-3237.	3.3	33
82	MnO₂spontaneously coated on carbon nanotubes for enhanced water oxidation. Chemical Communications, 2014, 50, 11938-11941.	4.1	31
83	A new halide-free efficient reaction-controlled phase-transfer catalyst based on silicotungstate of [(C₁₈H₃₇)₂(CH₃)₂N]₃[SiO₄H(WO₅ for olefin epoxidation, oxidation of sulfides and alcohols with hydrogen peroxide. RSC Advances, 2014, 4, 32054-32062.	3.6	21
84	An efficient oxygen evolving catalyst based on a Î¼-O diiron coordination complex. Chemical Communications, 2014, 50, 12779-12782.	4.1	58
85	Progress in Polyoxometalates-Catalyzed Water Oxidation. Acta Chimica Sinica, 2014, 72, 133.	1.4	13
86	A kinetic and spectroscopic study on the polyoxometalate species in a reaction-controlled phase transfer catalytic epoxidation system. Reaction Kinetics, Mechanisms and Catalysis, 2013, 109, 509-524.	1.7	5
87	The oxidation of pyridines catalyzed by surfactant-encapsulated polyoxometalate [(C18H37)2(CH3)2N]8[HBW11O39] with the temperature-responsive property of solubility. New Journal of Chemistry, 2013, 37, 2614.	2.8	15
88	K7[CoIIICoII(H2O)W11O39]: a molecular mixed-valence Keggin polyoxometalate catalyst of high stability and efficiency for visible light-driven water oxidation. Energy and Environmental Science, 2013, 6, 1170.	30.8	285
89	Oxidation of Alcohols and Pyridines by a Water-Soluble Polyoxometalate with Hydrogen Peroxide. Synthetic Communications, 2013, 43, 1211-1218.	2.1	5
90	Sulfamic Acid as A Cost-Effective Catalyst for Synthesis of Î±-Acyloxyacrylate Esters as Candidate Monomers for Biobased Polymers by Acylation of Pyruvate Esters. Synthetic Communications, 2012, 42, 3053-3060.	2.1	7

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91	Lacunary Derivative [HPW₉O₃₄]^{8â^'}as Reusable and Active Catalyst for Alcohol Oxidation in Water. Synthetic Communications, 2012, 42, 554-562.	2.1	8
92	Efficient Light-Driven Carbon-Free Cobalt-Based Molecular Catalyst for Water Oxidation. Journal of the American Chemical Society, 2011, 133, 2068-2071.	13.7	336
93	Mild and recyclable catalytic oxidation of pyridines to N-oxides with H2O2 in water mediated by a vanadium-substituted polyoxometalate. Green Chemistry, 2011, 13, 1486.	9.0	52
94	An effective and recyclable catalytic system for alcohol oxidation in water based on a temperature-responsive catalyst. Reaction Kinetics, Mechanisms and Catalysis, 2011, 102, 85-92.	1.7	11
95	[(C18H37)2(CH3)2N]7[PW11O39]: a temperature-controlled phase transfer catalyst for olefin epoxidation. Reaction Kinetics, Mechanisms and Catalysis, 2011, 102, 93-102.	1.7	12
96	Immobilization of heteropolytungstate on functionalized KIT-1 mesoporous silica: catalyst for alkene epoxidation. Reaction Kinetics, Mechanisms and Catalysis, 2011, 102, 459-472.	1.7	6
97	[Ï€-C5H5N(CH2)15CH3]3[PW4O32]/H2O2/ethyl acetate/alkenes: a recyclable and environmentally benign alkenes epoxidation catalytic system. Green Chemistry, 2008, 10, 910.	9.0	94
98	Epoxidation of Alkenes by Hydrogen Peroxide over 12-Heteropolyacids of Molybdenum and Tungsten (H3PMo3W9O40) Combined with Cetylpyridinium Bromide. Journal of Chemical Research, 2006, 2006, 499-503.	1.3	7
99	Some New Features on Synthesis of Titanium Silicalite-1 in a Non-TPAOH Inorganic Reactant Synthetic System. Journal of Porous Materials, 2005, 12, 131-141.	2.6	14
100	One-Step Synthesis of Isoamyl Butyrate from Isoamyl Alcohol and n-Butyraldehyde over TS-1 in Air. Catalysis Letters, 2003, 87, 81-83.	2.6	4
101	Hydroxylation of phenol catalyzed by copper Keggin-type heteropoly compounds with hydrogen peroxide. New Journal of Chemistry, 2002, 26, 376-377.	2.8	34
102	Metalâ€"Organic Cages with {SiW ₉ Ni ₄ } Polyoxotungstate Nodes. Angewandte Chemie, 0, , .	2.0	4