Yuming Dong

List of Publications by Year in Descending Order

92 papers	3,040 citations	30 h-index	54 g-index
96 ext. papers	3,627 ext. citations	7.3 avg, IF	5.55 L-index

#	Paper	IF	Citations
92	Monodisperse Ni-clusters anchored on carbon nitride for efficient photocatalytic hydrogen evolution. *Chinese Journal of Catalysis*, **2022**, 43, 536-545	11.3	3
91	Bi2WO6 nanosheets assembled BN quantum dots: Enhanced charge separation and photocatalytic antibiotics degradation. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2022**, 637, 128208	5.1	1
90	NixP and Mn3O4 dual co-catalysts separately deposited on a g-C3N4/red phosphorus hybrid photocatalyst for an efficient hydrogen evolution. *New Journal of Chemistry*, **2022**, 46, 6267-6273	3.6	
89	Efficient photothermal degradation on Bi12CoO20 sillenite with a strong internal electric field induced by the thermal effect. *Applied Catalysis B: Environmental*, **2022**, 313, 121452	21.8	1
88	Photodeposition of earth-abundant cocatalysts in photocatalytic water splitting: Methods, functions, and mechanisms. *Chinese Journal of Catalysis*, **2022**, 43, 1774-1804	11.3	3
87	Photochemical synthesis of Ni-Ni(OH)2 synergistic cocatalysts hybridized with CdS nanorods for efficient photocatalytic hydrogen evolution. *FlatChem*, **2021**, 26, 100232	5.1	7
86	Construction of quantum-scale catalytic regions on anatase TiO2 nanoparticles by loading TiO2 quantum dots for the photocatalytic degradation of VOCs. *Ceramics International*, **2021**, 47, 21090-21090	5.1	1
85	Smart nanozyme of silver hexacyanoferrate with versatile bio-regulated activities for probing different targets. *Talanta*, **2021**, 228, 122268	6.2	4
84	A novel ternary MQDs/NCDs/TiO2 nanocomposite that collaborates with activated persulfate for efficient RhB degradation under visible light irradiation. *New Journal of Chemistry*, **2021**, 45, 1327-1338	3.6	9
83	Coupling p-Hydroxybenzoate Hydroaxylase with the Photoresponsive Nanozyme for Universal Dehydrogenase-Based Bioassays. *Sensors and Actuators B: Chemical*, **2021**, 327, 128859	8.5	0
82	Improving the photocatalytic activity of benzyl alcohol oxidation by Z-scheme SnS/g-C3N4. *New Journal of Chemistry*, **2021**, 45, 6611-6617	3.6	9
81	Efficiently selective oxidation of glycerol by BiQDs/BiOBr□v: promotion of molecular oxygen activation by Bi quantum dots and oxygen vacancies. *New Journal of Chemistry*, **2021**, 45, 12938-12944	3.6	3
80	The construction of a wide-spectrum-responsive and high-activity photocatalyst, Bi25CoO40, via the creation of large external dipoles. *Journal of Materials Chemistry A*, **2021**, 9, 3616-3627	13	5
79	Overcoming the phase separation within high-entropy metal carbide by poly(ionic liquid)s. *Chemical Communications*, **2021**, 57, 3676-3679	5.8	3
78	Create a strong internal electric-field on PDI photocatalysts for boosting phenols degradation via preferentially exposing □conjugated planes up to 100%. *Applied Catalysis B: Environmental*, **2021**, 300, 120762	21.8	6
77	Methylene blue embedded duplex DNA as an efficient signal stimulator of petal-like BiVO for ultrasensitive photoelectrochemical bioassay. *Analytica Chimica Acta*, **2021**, 1182, 338945	6.6	1
76	Invoking Cathodic Photoelectrochemistry through a Spontaneously Coordinated Electron Transporter: A Proof of Concept Toward Signal Transduction for Bioanalysis.. *Analytical Chemistry*, **2021**, 93, 17119-17126	7.8	0

75	Single atoms or not? The limitation of EXAFS. *Applied Physics Letters*, **2020**, 116, 191903	3.4	23
74	Fabrication of a Z-Scheme {001}/{110} Facet Heterojunction in BiOCl to Promote Spatial Charge Separation. *ACS Applied Materials & Interfaces*, **2020**, 12, 31532-31541	9.5	30
73	Controllable photochemical synthesis of amorphous Ni(OH)2 as hydrogen production cocatalyst using inorganic phosphorous acid as sacrificial agent. *Chinese Journal of Catalysis*, **2020**, 41, 889-897	11.3	13
72	Acidic–Basic Bifunctional Magnetic Mesoporous CoFe2O4@(CaO–ZnO) for the Synthesis of Glycerol Carbonate. *Catalysis Letters*, **2020**, 150, 2863-2872	2.8	5
71	Remarkable photocatalytic activity enhancement of CO2 conversion over 2D/2D g-C3N4/BiVO4 Z-scheme heterojunction promoted by efficient interfacial charge transfer. *Carbon*, **2020**, 160, 342-352	10.4	90
70	Photo-sensitization of BiOCl by CuInS2 Surface Layer for Photoelectrochemical Cathode. *Catalysis Letters*, **2020**, 150, 1337-1345	2.8	2
69	TiO2 hollow heterophase junction with enhanced pollutant adsorption, light harvesting, and charge separation for photocatalytic degradation of volatile organic compounds. *Chemical Engineering Journal*, **2020**, 391, 123602	14.7	15
68	p-Type Cu2O as an effective interlayer between CdS and NiOx cocatalysts to promote photocatalytic hydrogen production. *New Journal of Chemistry*, **2020**, 44, 17719-17723	3.6	2
67	Photochemical preparation of atomically dispersed nickel on cadmium sulfide for superior photocatalytic hydrogen evolution. *Applied Catalysis B: Environmental*, **2020**, 261, 118233	21.8	39
66	Facile synthesis of a highly efficient Co/Cu@NC catalyst for base-free oxidation of alcohols to esters. *New Journal of Chemistry*, **2020**, 44, 7780-7785	3.6	2
65	NiO nanowires as hole-transfer layer for drastic enhancement of CdSe-sensitized photocathodes. *New Journal of Chemistry*, **2019**, 43, 4075-4081	3.6	3
64	Surface Modification of KF Immobilized on Spherical Magnetite Nanoparticle with CTAB for Glycerol Carbonate Production. *ChemistrySelect*, **2019**, 4, 1214-1219	1.8	
63	A special synthesis of BiOCl photocatalyst for efficient pollutants removal: New insight into the band structure regulation and molecular oxygen activation. *Applied Catalysis B: Environmental*, **2019** , 256, 117872	21.8	81
62	Lithium Doping Y2O3: A Highly Efficient Solid Base Catalyst for Biodiesel Synthesis with Excellent Water Resistance and Acid Resistance. *Catalysis Letters*, **2019**, 149, 2433-2443	2.8	4
61	The Application of the Transient Optical Switch Based on Gradient Organic Heterojunctions. *Plasmonics*, **2019**, 14, 1405-1410	2.4	
60	Ferricyanide stimulated cathodic photoelectrochemistry of flower-like bismuth oxyiodide under ambient air: A general strategy for robust bioanalysis. *Sensors and Actuators B: Chemical*, **2019**, 288, 683-690	8.5	9
59	Acid Phosphatase Invoked Exquisite Enzyme Cascade for Amplified Colorimetric Bioassay. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 7572-7579	8.3	14
58	Immobilization-free, split-mode cathodic photoelectrochemical strategy combined with cascaded amplification for versatile biosensing. *Biosensors and Bioelectronics*, **2019**, 142, 111572	11.8	5

57	A novel visible-light-driven ternary Ag@Ag2O/BiOCl Z-scheme photocatalyst with enhanced removal efficiency of RhB. *New Journal of Chemistry*, **2019**, 43, 13929-13937	3.6	19
56	Modified cellulose nanocrystals enhancement to mechanical properties and water resistance of vegetable oil-based waterborne polyurethane. *Journal of Applied Polymer Science*, **2019**, 136, 48228	2.9	12
55	In situ chemical redox and functionalization of graphene oxide: toward new cathodic photoelectrochemical bioanalysis. *Chemical Communications*, **2019**, 55, 10072-10075	5.8	2
54	Photoswitching enzymatic activity of horseradish peroxidase by graphene oxide for colorimetric immunoassay. *Biosensors and Bioelectronics*, **2019**, 145, 111707	11.8	16
53	Highly Dispersed and Small-Sized Nickel(II) Hydroxide Co-Catalyst Prepared by Photodeposition for Hydrogen Production. *Chemistry - an Asian Journal*, **2019**, 14, 4193-4200	4.5	7
52	High-throughput photoelectrochemical determination of E. coli O157:H7 by modulation of the anodic photoelectrochemistry of CdS quantum dots via reversible deposition of MnO. *Mikrochimica Acta*, **2019**, 187, 16	5.8	3
51	Enzymatic in situ generation of covalently conjugated electron acceptor of PbSe quantum dots for high throughput and versatile photoelectrochemical bioanalysis. *Analytica Chimica Acta*, **2019**, 1058, 1-8	6.6	5
50	Rare earth-doped calcium-based magnetic catalysts for transesterification of glycerol to glycerol carbonate. *Journal of the Chinese Chemical Society*, **2019**, 66, 164-170	1.5	4
49	Switched photoelectrochemistry of carbon dots for split-type immunoassay. *Analytica Chimica Acta*, **2018**, 1014, 19-26	6.6	11
48	Insight into the Crucial Factors for Photochemical Deposition of Cobalt Cocatalysts on g-CN Photocatalysts. *ACS Applied Materials & Interfaces*, **2018**, 10, 9522-9531	9.5	61
47	A novel strategy for amplified probing versatile biomolecules through a photoswitchable biocatalytic cascade. *Sensors and Actuators B: Chemical*, **2018**, 262, 110-117	8.5	6
46	Enzyme-Initiated Quinone-Chitosan Conjugation Chemistry: Toward A General in Situ Strategy for High-Throughput Photoelectrochemical Enzymatic Bioanalysis. *Analytical Chemistry*, **2018**, 90, 1492-1497	7.8	37
45	Magnetic Solid Base Catalyst Fe3O4@Gly Used as Acid-Resistant Catalyst for Biodiesel Production. *Journal of the Chinese Chemical Society*, **2018**, 65, 681-686	1.5	6
44	Synthesis of Bismuth(III)Neodecanoate and Its Application to Poly(Vinyl Chloride) as a Thermal Stabilizer. *Polymer-Plastics Technology and Engineering*, **2018**, 57, 1657-1664		
43	ITO nanoparticle film as a hole-selective layer for PbS-sensitized photocathodes. *New Journal of Chemistry*, **2018**, 42, 2243-2247	3.6	1
42	A facile approach for the synthesis of Z-scheme photocatalyst ZIF-8/g-C3N4 with highly enhanced photocatalytic activity under simulated sunlight. *New Journal of Chemistry*, **2018**, 42, 12180-12187	3.6	39
41	A photochemical synthesis route to typical transition metal sulfides as highly efficient cocatalyst for hydrogen evolution: from the case of NiS/g-C3N4. *Applied Catalysis B: Environmental*, **2018**, 225, 284-290	21.8	116
40	Ternary graphitic carbon nitride/red phosphorus/molybdenum disulfide heterostructure: An efficient and low cost photocatalyst for visible-light-driven H2 evolution from water. *Carbon*, **2017**, 119, 56-61	10.4	50

39	A General Strategy To Fabricate NixP as Highly Efficient Cocatalyst via Photoreduction Deposition for Hydrogen Evolution. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 6845-6853	8.3	64
38	Photochemical synthesis of CoxP as cocatalyst for boosting photocatalytic H2 production via spatial charge separation. *Applied Catalysis B: Environmental*, **2017**, 211, 245-251	21.8	81
37	A facile solvothermal approach for the synthesis of novel W-doped TiO2 nanoparticles/reduced graphene oxide composites with enhanced photodegradation performance under visible light irradiation. *New Journal of Chemistry*, **2017**, 41, 13382-13390	3.6	19
36	A novel photoswitchable enzyme cascade for powerful signal amplification in versatile bioassays. *Chemical Communications*, **2017**, 53, 11165-11168	5.8	21
35	Noble-Metal-Free Iron Phosphide Cocatalyst Loaded Graphitic Carbon Nitride as an Efficient and Robust Photocatalyst for Hydrogen Evolution under Visible Light Irradiation. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 8053-8060	8.3	75
34	Light-assisted rapid preparation of a Ni/g-C3N4 magnetic composite for robust photocatalytic H2 evolution from water. *Journal of Materials Chemistry A*, **2016**, 4, 9998-10007	13	149
33	A novel g-C3N4 based photocathode for photoelectrochemical hydrogen evolution. *RSC Advances*, **2016**, 6, 7465-7473	3.7	24
32	Facile synthesis of N□ codoped and molecularly imprinted TiO2 for enhancing photocatalytic degradation of target contaminants. *Applied Surface Science*, **2016**, 364, 829-836	6.7	30
31	Synthesis of Mo-doped TiO2 nanowires/reduced graphene oxide composites with enhanced photodegradation performance under visible light irradiation. *RSC Advances*, **2016**, 6, 23809-23815	3.7	18
30	The value-added utilization of glycerol for the synthesis of glycerol carbonate catalyzed with a novel porous ZnO catalyst. *RSC Advances*, **2016**, 6, 76223-76230	3.7	15
29	3D Macro-Mesoporous TiO2-Graphene Oxide (GO) Composite with Enhanced Catalytic Performance in the Epoxidation of Styrene and its Derivatives. *ChemistrySelect*, **2016**, 1, 1384-1392	1.8	10
28	One-step preparation of nickel sulfide/nickel hydroxide films for electrocatalytic hydrogen generation from water. *RSC Advances*, **2015**, 5, 60674-60680	3.7	15
27	Superior peroxidase mimetic activity of carbon dots□Pt nanocomposites relies on synergistic effects. *New Journal of Chemistry*, **2015**, 39, 4141-4146	3.6	43
26	Light-Assisted Preparation of a ZnO/CdS Nanocomposite for Enhanced Photocatalytic H2 Evolution: An Insight into Importance of in Situ Generated ZnS. *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 969-977	8.3	129
25	In situ light-assisted preparation of MoS2 on graphitic C3N4 nanosheets for enhanced photocatalytic H2 production from water. *Journal of Materials Chemistry A*, **2015**, 3, 7375-7381	13	237
24	Highly dispersed CeO□on TiO□nanotube: a synergistic nanocomposite with superior peroxidase-like activity. *ACS Applied Materials & Interfaces*, **2015**, 7, 6451-61	9.5	205
23	Efficient Photoelectrochemical Hydrogen Generation from Water Using a Robust Photocathode Formed by CdTe QDs and Nickel Ion. *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 2429-2434	8.3	38
22	Facile preparation of a ZnS/ZnO nanocomposite for robust sunlight photocatalytic H2 evolution from water. *RSC Advances*, **2015**, 5, 6494-6500	3.7	40

21	ZnAl2O4 as a novel high-surface-area ozonation catalyst: One-step green synthesis, catalytic performance and mechanism. *Chemical Engineering Journal*, **2015**, 260, 623-630	14.7	58
20	Efficient and Stable MoS2 /CdSe/NiO Photocathode for Photoelectrochemical Hydrogen Generation from Water. *Chemistry - an Asian Journal*, **2015**, 10, 1660-7	4.5	27
19	AgBi(WO4)2 : A New Modification Material to Bi2 WO6 for Enhanced and Stable Visible-Light Photocatalyic Performance. *Chemistry - an Asian Journal*, **2015**, 10, 1948-52	4.5	1
18	A new p-metal-n structure AgBr-Ag-BiOBr with superior visible-light-responsive catalytic performance. *Chemistry - an Asian Journal*, **2015**, 10, 687-93	4.5	24
17	Photoelectrochemical Generation of Hydrogen from Water Using a CdSe Quantum Dot-Sensitized Photocathode. *ACS Catalysis*, **2015**, 5, 2255-2259	13.1	51
16	Simple one-pot synthesis of ZnO/Ag heterostructures and the application in visible-light-responsive photocatalysis. *RSC Advances*, **2014**, 4, 7340-7346	3.7	41
15	Effects of morphology and crystal phase of sulfated nano-titania solid acids on catalytic esterification. *Reaction Kinetics, Mechanisms and Catalysis*, **2014**, 113, 445-458	1.6	9
14	Simple hydrothermal preparation of □ □ and □MnO2 and phase sensitivity in catalytic ozonation. *RSC Advances*, **2014**, 4, 39167	3.7	58
13	An insight into the kinetics and interface sensitivity for catalytic ozonation: the case of nano-sized NiFe2O4. *Catalysis Science and Technology*, **2014**, 4, 494-501	5.5	44
12	A high-surface-area mesoporous sulfated nano-titania solid superacid catalyst with exposed (101) facets for esterification: facile preparation and catalytic performance. *New Journal of Chemistry*, **2014**, 38, 4541	3.6	44
11	An □MnO2 nanotube used as a novel catalyst in ozonation: performance and the mechanism. *New Journal of Chemistry*, **2014**, 38, 1743-1750	3.6	70
10	Zinc glycerolate with lanthanum stearate to inhibit the thermal degradation of poly(vinyl chloride). *Journal of Applied Polymer Science*, **2013**, 127, 3681-3686	2.9	19
9	Novel magnetically separable nanomaterials for heterogeneous catalytic ozonation of phenol pollutant: NiFe2O4 and their performances. *Chemical Engineering Journal*, **2013**, 219, 295-302	14.7	99
8	Novel Two-Phase Catalysis with Organometallic Compounds for Epoxidation of Vegetable Oils by Hydrogen Peroxide. *JAOCS, Journal of the American Oil ChemistspSociety*, **2010**, 87, 83-91	1.8	21
7	Novel Ti and Mn Mesoporous Molecular Sieves: Synthesis, Characterization and Catalytic Activity in the Epoxidation of Vegetable Oil. *Catalysis Letters*, **2010**, 137, 88-93	2.8	22
6	A Facile Hydrothermal Method to Synthesize Nanosized Co3O4/CeO2 and Study of its Catalytic Characteristic in Catalytic Ozonation of Phenol. *Catalysis Letters*, **2009**, 133, 209-213	2.8	4
5	□MnO2 nanowires: A novel ozonation catalyst for water treatment. *Applied Catalysis B: Environmental*, **2009**, 85, 155-161	21.8	113
4	Catalytic activity and stability of Y zeolite for phenol degradation in the presence of ozone. *Applied Catalysis B: Environmental*, **2008**, 82, 163-168	21.8	53

3	Catalytic ozonation of azo dye active brilliant red X-3B in water with natural mineral brucite. *Catalysis Communications*, **2007**, 8, 1599-1603	3.2	68
2	A facile route to controlled synthesis of Co3O4nanoparticles and their environmental catalytic properties. *Nanotechnology*, **2007**, 18, 435602	3.4	206
1	Transition-metal-based cocatalysts for photocatalytic water splitting. *Small Structures*,	8.7	4