

Yuming Dong

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3831767/yuming-dong-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	In situ light-assisted preparation of MoS ₂ on graphitic C ₃ N ₄ nanosheets for enhanced photocatalytic H ₂ production from water. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 7375-7381	13	237
91	A facile route to controlled synthesis of Co ₃ O ₄ nanoparticles and their environmental catalytic properties. <i>Nanotechnology</i> , 2007 , 18, 435602	3.4	206
90	Highly dispersed CeO ₂ /TiO ₂ nanotube: a synergistic nanocomposite with superior peroxidase-like activity. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 6451-61	9.5	205
89	Light-assisted rapid preparation of a Ni/g-C ₃ N ₄ magnetic composite for robust photocatalytic H ₂ evolution from water. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9998-10007	13	149
88	Light-Assisted Preparation of a ZnO/CdS Nanocomposite for Enhanced Photocatalytic H ₂ Evolution: An Insight into Importance of in Situ Generated ZnS. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 969-977	8.3	129
87	A photochemical synthesis route to typical transition metal sulfides as highly efficient cocatalyst for hydrogen evolution: from the case of NiS/g-C ₃ N ₄ . <i>Applied Catalysis B: Environmental</i> , 2018 , 225, 284-290	21.8	116
86	BMnO ₂ nanowires: A novel ozonation catalyst for water treatment. <i>Applied Catalysis B: Environmental</i> , 2009 , 85, 155-161	21.8	113
85	Novel magnetically separable nanomaterials for heterogeneous catalytic ozonation of phenol pollutant: NiFe ₂ O ₄ and their performances. <i>Chemical Engineering Journal</i> , 2013 , 219, 295-302	14.7	99
84	Remarkable photocatalytic activity enhancement of CO ₂ conversion over 2D/2D g-C ₃ N ₄ /BiVO ₄ Z-scheme heterojunction promoted by efficient interfacial charge transfer. <i>Carbon</i> , 2020 , 160, 342-352	10.4	90
83	Photochemical synthesis of CoxP as cocatalyst for boosting photocatalytic H ₂ production via spatial charge separation. <i>Applied Catalysis B: Environmental</i> , 2017 , 211, 245-251	21.8	81
82	A special synthesis of BiOCl photocatalyst for efficient pollutants removal: New insight into the band structure regulation and molecular oxygen activation. <i>Applied Catalysis B: Environmental</i> , 2019 , 256, 117872	21.8	81
81	Noble-Metal-Free Iron Phosphide Cocatalyst Loaded Graphitic Carbon Nitride as an Efficient and Robust Photocatalyst for Hydrogen Evolution under Visible Light Irradiation. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 8053-8060	8.3	75
80	An BMnO ₂ nanotube used as a novel catalyst in ozonation: performance and the mechanism. <i>New Journal of Chemistry</i> , 2014 , 38, 1743-1750	3.6	70
79	Catalytic ozonation of azo dye active brilliant red X-3B in water with natural mineral brucite. <i>Catalysis Communications</i> , 2007 , 8, 1599-1603	3.2	68
78	A General Strategy To Fabricate Ni ₂ P as Highly Efficient Cocatalyst via Photoreduction Deposition for Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 6845-6853	8.3	64
77	Insight into the Crucial Factors for Photochemical Deposition of Cobalt Cocatalysts on g-CN Photocatalysts. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 9522-9531	9.5	61
76	ZnAl ₂ O ₄ as a novel high-surface-area ozonation catalyst: One-step green synthesis, catalytic performance and mechanism. <i>Chemical Engineering Journal</i> , 2015 , 260, 623-630	14.7	58

75	Simple hydrothermal preparation of Fe_2O_3 and FeMnO_2 and phase sensitivity in catalytic ozonation. <i>RSC Advances</i> , 2014 , 4, 39167	3.7	58
74	Catalytic activity and stability of Y zeolite for phenol degradation in the presence of ozone. <i>Applied Catalysis B: Environmental</i> , 2008 , 82, 163-168	21.8	53
73	Photoelectrochemical Generation of Hydrogen from Water Using a CdSe Quantum Dot-Sensitized Photocathode. <i>ACS Catalysis</i> , 2015 , 5, 2255-2259	13.1	51
72	Ternary graphitic carbon nitride/red phosphorus/molybdenum disulfide heterostructure: An efficient and low cost photocatalyst for visible-light-driven H_2 evolution from water. <i>Carbon</i> , 2017 , 119, 56-61	10.4	50
71	An insight into the kinetics and interface sensitivity for catalytic ozonation: the case of nano-sized NiFe_2O_4 . <i>Catalysis Science and Technology</i> , 2014 , 4, 494-501	5.5	44
70	A high-surface-area mesoporous sulfated nano-titania solid superacid catalyst with exposed (101) facets for esterification: facile preparation and catalytic performance. <i>New Journal of Chemistry</i> , 2014 , 38, 4541	3.6	44
69	Superior peroxidase mimetic activity of carbon dotsPt nanocomposites relies on synergistic effects. <i>New Journal of Chemistry</i> , 2015 , 39, 4141-4146	3.6	43
68	Simple one-pot synthesis of ZnO/Ag heterostructures and the application in visible-light-responsive photocatalysis. <i>RSC Advances</i> , 2014 , 4, 7340-7346	3.7	41
67	Facile preparation of a ZnS/ZnO nanocomposite for robust sunlight photocatalytic H_2 evolution from water. <i>RSC Advances</i> , 2015 , 5, 6494-6500	3.7	40
66	A facile approach for the synthesis of Z-scheme photocatalyst $\text{ZIF-8}/\text{g-C}_3\text{N}_4$ with highly enhanced photocatalytic activity under simulated sunlight. <i>New Journal of Chemistry</i> , 2018 , 42, 12180-12187	3.6	39
65	Photochemical preparation of atomically dispersed nickel on cadmium sulfide for superior photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2020 , 261, 118233	21.8	39
64	Efficient Photoelectrochemical Hydrogen Generation from Water Using a Robust Photocathode Formed by CdTe QDs and Nickel Ion. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 2429-2434	8.3	38
63	Enzyme-Initiated Quinone-Chitosan Conjugation Chemistry: Toward A General in Situ Strategy for High-Throughput Photoelectrochemical Enzymatic Bioanalysis. <i>Analytical Chemistry</i> , 2018 , 90, 1492-1497	7.8	37
62	Fabrication of a Z-Scheme {001}/{110} Facet Heterojunction in BiOCl to Promote Spatial Charge Separation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 31532-31541	9.5	30
61	Facile synthesis of Nb codoped and molecularly imprinted TiO_2 for enhancing photocatalytic degradation of target contaminants. <i>Applied Surface Science</i> , 2016 , 364, 829-836	6.7	30
60	Efficient and Stable $\text{MoS}_2/\text{CdSe}/\text{NiO}$ Photocathode for Photoelectrochemical Hydrogen Generation from Water. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 1660-7	4.5	27
59	A novel $\text{g-C}_3\text{N}_4$ based photocathode for photoelectrochemical hydrogen evolution. <i>RSC Advances</i> , 2016 , 6, 7465-7473	3.7	24
58	A new p-metal-n structure AgBr-Ag-BiOBr with superior visible-light-responsive catalytic performance. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 687-93	4.5	24

57	Single atoms or not? The limitation of EXAFS. <i>Applied Physics Letters</i> , 2020 , 116, 191903	3.4	23
56	Novel Ti and Mn Mesoporous Molecular Sieves: Synthesis, Characterization and Catalytic Activity in the Epoxidation of Vegetable Oil. <i>Catalysis Letters</i> , 2010 , 137, 88-93	2.8	22
55	A novel photoswitchable enzyme cascade for powerful signal amplification in versatile bioassays. <i>Chemical Communications</i> , 2017 , 53, 11165-11168	5.8	21
54	Novel Two-Phase Catalysis with Organometallic Compounds for Epoxidation of Vegetable Oils by Hydrogen Peroxide. <i>JAOCS, Journal of the American Oil Chemists Society</i> , 2010 , 87, 83-91	1.8	21
53	A facile solvothermal approach for the synthesis of novel W-doped TiO ₂ nanoparticles/reduced graphene oxide composites with enhanced photodegradation performance under visible light irradiation. <i>New Journal of Chemistry</i> , 2017 , 41, 13382-13390	3.6	19
52	A novel visible-light-driven ternary Ag@Ag ₂ O/BiOCl Z-scheme photocatalyst with enhanced removal efficiency of RhB. <i>New Journal of Chemistry</i> , 2019 , 43, 13929-13937	3.6	19
51	Zinc glycerolate with lanthanum stearate to inhibit the thermal degradation of poly(vinyl chloride). <i>Journal of Applied Polymer Science</i> , 2013 , 127, 3681-3686	2.9	19
50	Synthesis of Mo-doped TiO ₂ nanowires/reduced graphene oxide composites with enhanced photodegradation performance under visible light irradiation. <i>RSC Advances</i> , 2016 , 6, 23809-23815	3.7	18
49	Photoswitching enzymatic activity of horseradish peroxidase by graphene oxide for colorimetric immunoassay. <i>Biosensors and Bioelectronics</i> , 2019 , 145, 111707	11.8	16
48	One-step preparation of nickel sulfide/nickel hydroxide films for electrocatalytic hydrogen generation from water. <i>RSC Advances</i> , 2015 , 5, 60674-60680	3.7	15
47	TiO ₂ hollow heterophase junction with enhanced pollutant adsorption, light harvesting, and charge separation for photocatalytic degradation of volatile organic compounds. <i>Chemical Engineering Journal</i> , 2020 , 391, 123602	14.7	15
46	The value-added utilization of glycerol for the synthesis of glycerol carbonate catalyzed with a novel porous ZnO catalyst. <i>RSC Advances</i> , 2016 , 6, 76223-76230	3.7	15
45	Acid Phosphatase Invoked Exquisite Enzyme Cascade for Amplified Colorimetric Bioassay. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 7572-7579	8.3	14
44	Controllable photochemical synthesis of amorphous Ni(OH) ₂ as hydrogen production cocatalyst using inorganic phosphorous acid as sacrificial agent. <i>Chinese Journal of Catalysis</i> , 2020 , 41, 889-897	11.3	13
43	Modified cellulose nanocrystals enhancement to mechanical properties and water resistance of vegetable oil-based waterborne polyurethane. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 48228	2.9	12
42	Switched photoelectrochemistry of carbon dots for split-type immunoassay. <i>Analytica Chimica Acta</i> , 2018 , 1014, 19-26	6.6	11
41	3D Macro-Mesoporous TiO ₂ -Graphene Oxide (GO) Composite with Enhanced Catalytic Performance in the Epoxidation of Styrene and its Derivatives. <i>ChemistrySelect</i> , 2016 , 1, 1384-1392	1.8	10
40	Ferricyanide stimulated cathodic photoelectrochemistry of flower-like bismuth oxyiodide under ambient air: A general strategy for robust bioanalysis. <i>Sensors and Actuators B: Chemical</i> , 2019 , 288, 683-690	8.5	9

39	Effects of morphology and crystal phase of sulfated nano-titania solid acids on catalytic esterification. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2014 , 113, 445-458	1.6	9
38	A novel ternary MQDs/NCDs/TiO ₂ nanocomposite that collaborates with activated persulfate for efficient RhB degradation under visible light irradiation. <i>New Journal of Chemistry</i> , 2021 , 45, 1327-1338	3.6	9
37	Improving the photocatalytic activity of benzyl alcohol oxidation by Z-scheme SnS/g-C ₃ N ₄ . <i>New Journal of Chemistry</i> , 2021 , 45, 6611-6617	3.6	9
36	Highly Dispersed and Small-Sized Nickel(II) Hydroxide Co-Catalyst Prepared by Photodeposition for Hydrogen Production. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 4193-4200	4.5	7
35	Photochemical synthesis of Ni-Ni(OH) ₂ synergistic cocatalysts hybridized with CdS nanorods for efficient photocatalytic hydrogen evolution. <i>FlatChem</i> , 2021 , 26, 100232	5.1	7
34	A novel strategy for amplified probing versatile biomolecules through a photoswitchable biocatalytic cascade. <i>Sensors and Actuators B: Chemical</i> , 2018 , 262, 110-117	8.5	6
33	Magnetic Solid Base Catalyst Fe ₃ O ₄ @Gly Used as Acid-Resistant Catalyst for Biodiesel Production. <i>Journal of the Chinese Chemical Society</i> , 2018 , 65, 681-686	1.5	6
32	Create a strong internal electric-field on PDI photocatalysts for boosting phenols degradation via preferentially exposing π -conjugated planes up to 100%. <i>Applied Catalysis B: Environmental</i> , 2021 , 300, 120762	21.8	6
31	AcidicBasic Bifunctional Magnetic Mesoporous CoFe ₂ O ₄ @(CaO/ZnO) for the Synthesis of Glycerol Carbonate. <i>Catalysis Letters</i> , 2020 , 150, 2863-2872	2.8	5
30	Immobilization-free, split-mode cathodic photoelectrochemical strategy combined with cascaded amplification for versatile biosensing. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111572	11.8	5
29	Enzymatic in situ generation of covalently conjugated electron acceptor of PbSe quantum dots for high throughput and versatile photoelectrochemical bioanalysis. <i>Analytica Chimica Acta</i> , 2019 , 1058, 1-8	6.6	5
28	The construction of a wide-spectrum-responsive and high-activity photocatalyst, Bi ₂₅ CoO ₄₀ , via the creation of large external dipoles. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 3616-3627	13	5
27	Lithium Doping Y ₂ O ₃ : A Highly Efficient Solid Base Catalyst for Biodiesel Synthesis with Excellent Water Resistance and Acid Resistance. <i>Catalysis Letters</i> , 2019 , 149, 2433-2443	2.8	4
26	A Facile Hydrothermal Method to Synthesize Nanosized Co ₃ O ₄ /CeO ₂ and Study of its Catalytic Characteristic in Catalytic Ozonation of Phenol. <i>Catalysis Letters</i> , 2009 , 133, 209-213	2.8	4
25	Smart nanozyme of silver hexacyanoferrate with versatile bio-regulated activities for probing different targets. <i>Talanta</i> , 2021 , 228, 122268	6.2	4
24	Rare earth-doped calcium-based magnetic catalysts for transesterification of glycerol to glycerol carbonate. <i>Journal of the Chinese Chemical Society</i> , 2019 , 66, 164-170	1.5	4
23	Transition-metal-based cocatalysts for photocatalytic water splitting. <i>Small Structures</i> ,	8.7	4
22	NiO nanowires as hole-transfer layer for drastic enhancement of CdSe-sensitized photocathodes. <i>New Journal of Chemistry</i> , 2019 , 43, 4075-4081	3.6	3

21	Monodisperse Ni-clusters anchored on carbon nitride for efficient photocatalytic hydrogen evolution. <i>Chinese Journal of Catalysis</i> , 2022 , 43, 536-545	11.3	3
20	High-throughput photoelectrochemical determination of E. coli O157:H7 by modulation of the anodic photoelectrochemistry of CdS quantum dots via reversible deposition of MnO. <i>Mikrochimica Acta</i> , 2019 , 187, 16	5.8	3
19	Efficiently selective oxidation of glycerol by BiQDs/BiOBr _{0.5} : promotion of molecular oxygen activation by Bi quantum dots and oxygen vacancies. <i>New Journal of Chemistry</i> , 2021 , 45, 12938-12944	3.6	3
18	Overcoming the phase separation within high-entropy metal carbide by poly(ionic liquid)s. <i>Chemical Communications</i> , 2021 , 57, 3676-3679	5.8	3
17	Photodeposition of earth-abundant cocatalysts in photocatalytic water splitting: Methods, functions, and mechanisms. <i>Chinese Journal of Catalysis</i> , 2022 , 43, 1774-1804	11.3	3
16	In situ chemical redox and functionalization of graphene oxide: toward new cathodic photoelectrochemical bioanalysis. <i>Chemical Communications</i> , 2019 , 55, 10072-10075	5.8	2
15	Photo-sensitization of BiOCl by CuInS ₂ Surface Layer for Photoelectrochemical Cathode. <i>Catalysis Letters</i> , 2020 , 150, 1337-1345	2.8	2
14	p-Type Cu ₂ O as an effective interlayer between CdS and NiO _x cocatalysts to promote photocatalytic hydrogen production. <i>New Journal of Chemistry</i> , 2020 , 44, 17719-17723	3.6	2
13	Facile synthesis of a highly efficient Co/Cu@NC catalyst for base-free oxidation of alcohols to esters. <i>New Journal of Chemistry</i> , 2020 , 44, 7780-7785	3.6	2
12	ITO nanoparticle film as a hole-selective layer for PbS-sensitized photocathodes. <i>New Journal of Chemistry</i> , 2018 , 42, 2243-2247	3.6	1
11	AgBi(WO ₄) ₂ : A New Modification Material to Bi ₂ WO ₆ for Enhanced and Stable Visible-Light Photocatalytic Performance. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 1948-52	4.5	1
10	Bi ₂ WO ₆ nanosheets assembled BN quantum dots: Enhanced charge separation and photocatalytic antibiotics degradation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 637, 128208	5.1	1
9	Construction of quantum-scale catalytic regions on anatase TiO ₂ nanoparticles by loading TiO ₂ quantum dots for the photocatalytic degradation of VOCs. <i>Ceramics International</i> , 2021 , 47, 21090-21098	5.1	1
8	Methylene blue embedded duplex DNA as an efficient signal stimulator of petal-like BiVO ₄ for ultrasensitive photoelectrochemical bioassay. <i>Analytica Chimica Acta</i> , 2021 , 1182, 338945	6.6	1
7	Efficient photothermal degradation on Bi ₁₂ CoO ₂₀ sillenite with a strong internal electric field induced by the thermal effect. <i>Applied Catalysis B: Environmental</i> , 2022 , 313, 121452	21.8	1
6	Coupling p-Hydroxybenzoate Hydroxylase with the Photoresponsive Nanozyme for Universal Dehydrogenase-Based Bioassays. <i>Sensors and Actuators B: Chemical</i> , 2021 , 327, 128859	8.5	0
5	Invoking Cathodic Photoelectrochemistry through a Spontaneously Coordinated Electron Transporter: A Proof of Concept Toward Signal Transduction for Bioanalysis.. <i>Analytical Chemistry</i> , 2021 , 93, 17119-17126	7.8	0
4	Surface Modification of KF Immobilized on Spherical Magnetite Nanoparticle with CTAB for Glycerol Carbonate Production. <i>ChemistrySelect</i> , 2019 , 4, 1214-1219	1.8	

- 3 The Application of the Transient Optical Switch Based on Gradient Organic Heterojunctions. *Plasmonics*, **2019**, 14, 1405-1410 2.4
- 2 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
- 1 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