Deli Jiang

List of Publications by Citations

99 papers	4,478 citations	34 h-index	65 g-index
106 ext. papers	5,554 ext. citations	7.2 avg, IF	6.08 L-index

#	Paper	IF	Citations
99	Novel p-n heterojunction photocatalyst constructed by porous graphite-like C3N4 and nanostructured BiOI: facile synthesis and enhanced photocatalytic activity. *Dalton Transactions*, **2013**, 42, 15726-34	4.3	295
98	Perovskite oxide ultrathin nanosheets/g-C3N4 2D-2D heterojunction photocatalysts with significantly enhanced photocatalytic activity towards the photodegradation of tetracycline. *Applied Catalysis B: Environmental*, **2017**, 201, 617-628	21.8	285
97	Synergistic coupling of CoFe-LDH arrays with NiFe-LDH nanosheet for highly efficient overall water splitting in alkaline media. *Applied Catalysis B: Environmental*, **2019**, 253, 131-139	21.8	258
96	Two-Dimensional CaIn2S4/g-C3N4 Heterojunction Nanocomposite with Enhanced Visible-Light Photocatalytic Activities: Interfacial Engineering and Mechanism Insight. *ACS Applied Materials & Interfaces*, **2015**, 7, 19234-42	9.5	255
95	Modifiers-assisted formation of nickel nanoparticles and their catalytic application to p-nitrophenol reduction. *CrystEngComm*, **2013**, 15, 560-569	3.3	221
94	Construction of SnNb2O6 nanosheet/g-C3N4 nanosheet two-dimensional heterostructures with improved photocatalytic activity: Synergistic effect and mechanism insight. *Applied Catalysis B: Environmental*, **2016**, 183, 113-123	21.8	208
93	Synthesis of redox-mediator-free direct Z-scheme AgI/WO3 nanocomposite photocatalysts for the degradation of tetracycline with enhanced photocatalytic activity. *Chemical Engineering Journal*, **2016**, 300, 280-290	14.7	190
92	Ag2S/g-C3N4 composite photocatalysts for efficient Pt-free hydrogen production. The co-catalyst function of Ag/Ag2S formed by simultaneous photodeposition. *Dalton Transactions*, **2014**, 43, 4878-85	4.3	168
91	A new visible light active multifunctional ternary composite based on TiO2/In2O3 nanocrystals heterojunction decorated porous graphitic carbon nitride for photocatalytic treatment of hazardous pollutant and H2 evolution. *Applied Catalysis B: Environmental*, **2015**, 170-171, 195-205	21.8	140
90	Enhancement of g-C3N4 nanosheets photocatalysis by synergistic interaction of ZnS microsphere and RGO inducing multistep charge transfer. *Applied Catalysis B: Environmental*, **2016**, 198, 200-210	21.8	132
89	Highly efficient heterojunction photocatalyst based on nanoporous g-C3N4 sheets modified by Ag3PO4 nanoparticles: synthesis and enhanced photocatalytic activity. *Journal of Colloid and Interface Science*, **2014**, 417, 115-20	9.3	127
88	Hydrothermal synthesis of In2S3/g-C3N4 heterojunctions with enhanced photocatalytic activity. *Journal of Colloid and Interface Science*, **2014**, 433, 9-15	9.3	127
87	A g-C3N4/nanocarbon/ZnIn2S4 nanocomposite: an artificial Z-scheme visible-light photocatalytic system using nanocarbon as the electron mediator. *Chemical Communications*, **2015**, 51, 17144-7	5.8	117
86	In-situ ion exchange synthesis of hierarchical AgI/BiOI microsphere photocatalyst with enhanced photocatalytic properties. *CrystEngComm*, **2013**, 15, 7556	3.3	93
85	RGO-Promoted All-Solid-State g-C3N4/BiVO4 Z-Scheme Heterostructure with Enhanced Photocatalytic Activity toward the Degradation of Antibiotics. *Industrial & Engineering Chemistry Research*, **2017**, 56, 8823-8832	3.9	90
84	Enhanced photocatalytic activity of graphitic carbon nitride/carbon nanotube/BiWO ternary Z-scheme heterojunction with carbon nanotube as efficient electron mediator. *Journal of Colloid and Interface Science*, **2018**, 512, 693-700	9.3	76
83	2020 Roadmap on two-dimensional nanomaterials for environmental catalysis. *Chinese Chemical Letters*, **2019**, 30, 2065-2088	8.1	72

82	Construction of cobalt sulfide/graphitic carbon nitride hybrid nanosheet composites for high performance supercapacitor electrodes. *Journal of Alloys and Compounds*, **2017**, 706, 41-47	5.7	66
81	N-doped graphene quantum dots as an effective photocatalyst for the photochemical synthesis of silver deposited porous graphitic C3N4 nanocomposites for nonenzymatic electrochemical H2O2 sensing. *RSC Advances*, **2014**, 4, 16163-16171	3.7	65
80	CoP3/CoMoP Heterogeneous Nanosheet Arrays as Robust Electrocatalyst for pH-Universal Hydrogen Evolution Reaction. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 9309-9317	8.3	63
79	Construction of RGO/CdIn 2 S 4 /g-C 3 N 4 ternary hybrid with enhanced photocatalytic activity for the degradation of tetracycline hydrochloride. *Applied Surface Science*, **2018**, 433, 388-397	6.7	59
78	2D/2D heterojunctions of WO3 nanosheet/K+Ca2Nb3O10 ultrathin nanosheet with improved charge separation efficiency for significantly boosting photocatalysis. *Catalysis Science and Technology*, **2017**, 7, 3481-3491	5.5	56
77	Hydrogen peroxide sensing using Cu2O nanocubes decorated by Ag-Au alloy nanoparticles. *Journal of Alloys and Compounds*, **2017**, 690, 1-7	5.7	53
76	Construction of novel WO/SnNbO hybrid nanosheet heterojunctions as efficient Z-scheme photocatalysts for pollutant degradation. *Journal of Colloid and Interface Science*, **2017**, 506, 93-101	9.3	49
75	Shape-controlled synthesis of F-substituted hydroxyapatite microcrystals in the presence of Na2EDTA and citric acid. *Journal of Colloid and Interface Science*, **2010**, 350, 30-8	9.3	46
74	Bimetallic Co-Mo nitride nanosheet arrays as high-performance bifunctional electrocatalysts for overall water splitting. *Chemical Engineering Journal*, **2021**, 411, 128433	14.7	45
73	MoS/SnNbO 2D/2D nanosheet heterojunctions with enhanced interfacial charge separation for boosting photocatalytic hydrogen evolution. *Journal of Colloid and Interface Science*, **2019**, 536, 1-8	9.3	45
72	CdIn2S4/g-C3N4 heterojunction photocatalysts: enhanced photocatalytic performance and charge transfer mechanism. *RSC Advances*, **2017**, 7, 231-237	3.7	44
71	Engineering Ni(OH)2 Nanosheet on CoMoO4 Nanoplate Array as Efficient Electrocatalyst for Oxygen Evolution Reaction. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 16086-16095	8.3	42
70	ZnS microsphere/g-C3N4 nanocomposite photo-catalyst with greatly enhanced visible light performance for hydrogen evolution: synthesis and synergistic mechanism study. *RSC Advances*, **2014**, 4, 62223-62229	3.7	41
69	Synthesis of novel metal nanoparitcles/SnNb2O6 nanosheets plasmonic nanocomposite photocatalysts with enhanced visible-light photocatalytic activity and mechanism insight. *Journal of Alloys and Compounds*, **2016**, 685, 647-655	5.7	38
68	Graphene-Sensitized Perovskite Oxide Monolayer Nanosheets for Efficient Photocatalytic Reaction. *Advanced Functional Materials*, **2018**, 28, 1806284	15.6	37
67	SrTiO3 Nanoparticle/SnNb2O6 Nanosheet 0D/2D Heterojunctions with Enhanced Interfacial Charge Separation and Photocatalytic Hydrogen Evolution Activity. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 9749-9757	8.3	35
66	Construction of ultrafine TiO2 nanoparticle and SnNb2O6 nanosheet 0D/2D heterojunctions with abundant interfaces and significantly improved photocatalytic activity. *Catalysis Science and Technology*, **2017**, 7, 2308-2317	5.5	34
65	Coupling CoP and CoP nanoparticles with copper ions incorporated CoS nanowire arrays for synergistically boosting hydrogen evolution reaction electrocatalysis. *Journal of Colloid and Interface Science*, **2019**, 550, 10-16	9.3	31

64	2D/2D BiOCl/K+Ca2Nb3O10 heterostructure with Z-scheme charge carrier transfer pathways for tetracycline degradation under simulated solar light. *Applied Surface Science*, **2019**, 466, 863-873	6.7	30
63	Ag nanoparticle-decorated CoS nanosheet nanocomposites: a high-performance material for multifunctional applications in photocatalysis and supercapacitors. *RSC Advances*, **2016**, 6, 55039-55045	3.7	29
62	Nickel manganese bimetallic phosphides porous nanosheet arrays as highly active bifunctional hydrogen and oxygen evolution electrocatalysts for overall water splitting. *Electrochimica Acta*, **2020**, 329, 135121	6.7	29
61	Hierarchically structured Co3O4@glucose-modified LDH architectures for high-performance supercapacitors. *Applied Surface Science*, **2019**, 488, 639-647	6.7	27
60	Carbon nanodots as reductant and stabilizer for one-pot sonochemical synthesis of amorphous carbon-supported silver nanoparticles for electrochemical nonenzymatic H2O2 sensing. *Journal of Electroanalytical Chemistry*, **2014**, 728, 26-33	4.1	27
59	The synthesis of a novel Ag NaTaO3 hybrid with plasmonic photocatalytic activity under visible-light. *CrystEngComm*, **2014**, 16, 1384	3.3	27
58	Integrating Ru-modulated CoP nanosheets binary co-catalyst with 2D g-CN nanosheets for enhanced photocatalytic hydrogen evolution activity. *Journal of Colloid and Interface Science*, **2021**, 585, 108-117	9.3	27
57	Hierarchical NiCo2O4@Ni(OH)2 core-shell nanoarrays as advanced electrodes for asymmetric supercapacitors with high energy density. *Journal of Alloys and Compounds*, **2019**, 771, 784-792	5.7	26
56	Novel Zn0.8Cd0.2S/g-C3N4 heterojunctions with superior visible-light photocatalytic activity: Hydrothermal synthesis and mechanism study. *Journal of Molecular Catalysis A*, **2014**, 395, 261-268		25
55	Enhanced non-enzymatic electrochemical sensing of hydrogen peroxide based on Cu 2 O nanocubes/Ag-Au alloy nanoparticles by incorporation of RGO nanosheets. *Journal of Electroanalytical Chemistry*, **2017**, 791, 23-28	4.1	24
54	Dion acobson-type perovskite KCa2Ta3O10 nanosheets hybridized with g-C3N4 nanosheets for photocatalytic H2 production. *Catalysis Science and Technology*, **2018**, 8, 3767-3773	5.5	23
53	MOF-derived cobalt oxides nanoparticles anchored on CoMoO4 as a highly active electrocatalyst for oxygen evolution reaction. *Journal of Alloys and Compounds*, **2019**, 806, 1097-1104	5.7	22
52	Facile synthesis of core hell atellite Ag/C/Ag nanocomposites using carbon nanodots as reductant and their SERS properties. *CrystEngComm*, **2013**, 15, 6305	3.3	20
51	Novel Au/CaIn2S4 nanocomposites with plasmon-enhanced photocatalytic performance under visible light irradiation. *Applied Surface Science*, **2017**, 396, 430-437	6.7	20
50	Construction of novel SrHNbO HO/g-CN heterojunction with enhanced visible light photocatalytic activity for hydrogen evolution. *Journal of Colloid and Interface Science*, **2018**, 526, 451-458	9.3	20
49	Iron-doped nickle cobalt ternary phosphide hyperbranched hierarchical arrays for efficient overall water splitting. *Electrochimica Acta*, **2020**, 334, 135633	6.7	19
48	Synthesis of cuprous oxide with morphological evolution from truncated octahedral to spherical structures and their size and shape-dependent photocatalytic activities. *Journal of Colloid and Interface Science*, **2016**, 461, 25-31	9.3	19
47	Synergistically coupling of Fe-doped CoP nanocubes with CoP nanosheet arrays towards enhanced and robust oxygen evolution electrocatalysis. *Journal of Colloid and Interface Science*, **2021**, 591, 67-75	9.3	18

46	Construction of CuO quantum Dots/WO3 nanosheets 0D/2D Z-scheme heterojunction with enhanced photocatalytic CO2 reduction activity under visible-light. *Journal of Alloys and Compounds* , **2021**, 858, 157668	5.7	18
45	Synthesis and size-dependent electrochemical nonenzymatic H2O2 sensing of cuprous oxide nanocubes. *RSC Advances*, **2015**, 5, 82496-82502	3.7	17
44	Integration of ZnCo2S4 nanowires arrays with NiFe-LDH nanosheet as water dissociation promoter for enhanced electrocatalytic hydrogen evolution. *Electrochimica Acta*, **2019**, 324, 134861	6.7	17
43	Interfacial engineering of Co3FeNx embedded N-doped carbon nanoarray derived from metal□rganic frameworks for enhanced oxygen evolution reaction. *Electrochimica Acta*, **2020**, 354, 136629	6.7	16
42	Plasmonic Au Nanoparticles/KCa2Nb3O10 nanosheets 0D/2D heterojunctions with enhanced photocatalytic activity towards the degradation of tetracycline hydrochloride. *Journal of Alloys and Compounds*, **2018**, 762, 38-45	5.7	14
41	Oxygen vacancy engineering of BiOBr/HNbO Z-scheme hybrid photocatalyst for boosting photocatalytic conversion of CO. *Journal of Colloid and Interface Science*, **2021**, 599, 245-254	9.3	14
40	Novel □n2.77S4 nanosheet-assembled hierarchical microspheres: synthesis and high performance for photocatalytic reduction of Cr(VI). *RSC Advances*, **2016**, 6, 18227-18234	3.7	13
39	Interfacial Engineering of the CoxP□e2P Heterostructure for Efficient and Robust Electrochemical Overall Water Splitting. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 7737-7748	8.3	11
38	Fe-doped NiCoP/Prussian blue analog hollow nanocubes as an efficient electrocatalyst for oxygen evolution reaction. *Electrochimica Acta*, **2021**, 367, 137492	6.7	11
37	Hierarchical urchin-like Co9S8@Ni(OH)2 heterostructures with superior electrochemical performance for hybrid supercapacitors. *New Journal of Chemistry*, **2019**, 43, 8444-8451	3.6	10
36	Holey Cobalt-Iron Nitride Nanosheet Arrays as High-Performance Bifunctional Electrocatalysts for Overall Water Splitting. *ACS Applied Materials & Interfaces*, **2020**, 12, 29253-29263	9.5	10
35	Hierarchical CoO@Ni(OH) core-shell heterostructure arrays for advanced asymmetric supercapacitors. *Nanotechnology*, **2020**, 31, 405705	3.4	10
34	Photocatalytic reduction of CO into CH over Ru-doped TiO: Synergy of Ru and oxygen vacancies. *Journal of Colloid and Interface Science*, **2021**,	9.3	10
33	Steering Multistep Charge Transfer for Highly Selectively Photocatalytic Reduction of CO2 into CH4 over Pd/Cu2O/TiO2 Ternary Hybrid. *Solar Rrl*, **2021**, 5, 2000813	7.1	10
32	Synergistic Integration of AuCu Co-Catalyst with Oxygen Vacancies on TiO for Efficient Photocatalytic Conversion of CO to CH. *ACS Applied Materials & Interfaces*, **2021**, 13, 46772-46782	9.5	10
31	Synergistically integrated CoS@NiFe-layered double hydroxide core-branch hierarchical architectures as efficient bifunctional electrocatalyst for water splitting. *Journal of Colloid and Interface Science*, **2021**, 604, 680-690	9.3	10
30	Synthesis of an iron-doped 3D-ordered mesoporous cobalt phosphide material toward efficient electrocatalytic overall water splitting. *Inorganic Chemistry Frontiers*, **2020**, 7, 3002-3010	6.8	9
29	Photoenhanced degradation of rhodamine blue on monometallic gold (Au) loaded brookite titania photocatalysts activated by visible light. *Reaction Kinetics, Mechanisms and Catalysis*, **2012**, 107, 487-502	1.6	9

28	Facile synthesis and characterisation of hexagonal magnetite nanoplates. *Micro and Nano Letters*, **2013**, 8, 383-385	0.9	9
27	Covalently Bonded Bi2O3 Nanosheet/Bi2WO6 Network Heterostructures for Efficient Photocatalytic CO2 Reduction. *ACS Applied Energy Materials*, **2020**, 3, 12194-12203	6.1	9
26	Accelerating water dissociation kinetic in Co9S8 electrocatalyst by mn/N Co-doping toward efficient alkaline hydrogen evolution. *International Journal of Hydrogen Energy*, **2021**, 46, 7989-8001	6.7	8
25	Synthesis and electrochemical performance of LiFePO4/C cathode materials from Fe2O3 for high-power lithium-ion batteries. *Ionics*, **2017**, 23, 377-384	2.7	7
24	KCa2Nb3O10/ZnIn2S4 nanosheet heterojunctions with improved charge separation efficiency for efficient photocatalytic CO2 reduction. *Journal of Alloys and Compounds*, **2021**, 865, 158836	5.7	7
23	Oxygen-doped hollow, porous NiCoP nanocages derived from Ni-Co prussian blue analogs for oxygen evolution. *Chemical Communications*, **2021**, 57, 8158-8161	5.8	7
22	Interfacial engineering of CeO on NiCoP nanoarrays for efficient electrocatalytic oxygen evolution. *Nanotechnology*, **2021**, 32, 195704	3.4	7
21	Fe-Doped CoP holey nanosheets as bifunctional electrocatalysts for efficient hydrogen and oxygen evolution reactions. *International Journal of Hydrogen Energy*, **2021**, 46, 26391-26401	6.7	7
20	0D ultrafine ruthenium quantum dot decorated 3D porous graphitic carbon nitride with efficient charge separation and appropriate hydrogen adsorption capacity for superior photocatalytic hydrogen evolution. *Dalton Transactions*, **2021**, 50, 2414-2425	4.3	6
19	CdS nanoparticles decorated K+Ca2Nb3O10−nanosheets with enhanced photocatalytic activity. *Materials Letters*, **2018**, 229, 236-239	3.3	5
18	Designing positive electrodes based on 3D hierarchical CoMn2O4@NiMn-LDH nanoarray composites for high energy and power density supercapacitors. *CrystEngComm*, **2020**, 22, 6864-6875	3.3	5
17	Holey defected TiO2 nanosheets with oxygen vacancies for efficient photocatalytic hydrogen production from water splitting. *Surfaces and Interfaces*, **2021**, 23, 100979	4.1	5
16	Synergistically Integrating Nickel Porous Nanosheets with 5d Transition Metal Oxides Enabling Efficient Electrocatalytic Overall Water Splitting. *Inorganic Chemistry*, **2021**, 60, 8189-8199	5.1	5
15	Interfacing Co3Mo with CoMoOx for synergistically boosting electrocatalytic hydrogen and oxygen evolution reactions. *Chemical Engineering Journal*, **2021**, 133240	14.7	4
14	Facile synthesis of hierarchical NiCoP nanosheets/NiCoP nanocubes homojunction electrocatalyst for highly efficient and stable hydrogen evolution reaction. *Applied Surface Science*, **2021**, 565, 150537	6.7	4
13	Noble-metal-free Mo2C co-catalsyt modified perovskite oxide nanosheet photocatalysts with enhanced hydrogen evolution performance. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 615, 126252	5.1	3
12	Synergistic effects of surface Lewis Base/Acid and nitrogen defect in MgAl layered double Oxides/Carbon nitride heterojunction for efficient photoreduction of carbon dioxide. *Applied Surface Science*, **2021**, 563, 150369	6.7	3
11	Synthesis, Crystal Structure, Fluorescence and Photocatalytic Properties of a Copper Compound with 2-Phenyl-1H-1,3,7,8-tetraazacyclopenta[l]phenanthrene and Silicotungstic Acid. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2015**, 641, 826-830	1.3	2

10	Stable and enhanced electrochemical performance based on hierarchical core-shell structure of CoMnO@NiSelectrode for hybrid supercapacitor. *Nanotechnology*, **2021**, 33,	3.4	2
9	Highly dispersed ultra-fine Ru nanoparticles anchored on nitrogen-doped carbon sheets for efficient hydrogen evolution reaction with a low overpotential. *Journal of Alloys and Compounds*, **2021**, 864, 158174	5.7	2
8	Noble-metal-free Co P nanoparticles: modified perovskite oxide ultrathin nanosheet photocatalysts with significantly enhanced photocatalytic hydrogen evolution activity. *Nanotechnology*, **2020**, 31, 325401	3.4	2
7	Iron and nitrogen Co-doped CoSe2 nanosheet arrays for robust electrocatalytic water oxidation. *Inorganic Chemistry Frontiers*, **2021**, 8, 2725-2734	6.8	2
6	Template confined construction of FeNiCoP/NiCoP/NF heterostructures for highly efficient electrocatalytic oxygen evolution reaction. *International Journal of Hydrogen Energy*, **2021**, 46, 37746-37746	6.7	2
5	Anchoring RuSe on CoSe nanoarrays as a hybrid catalyst for efficient and robust oxygen evolution reaction.. *Journal of Colloid and Interface Science*, **2022**, 615, 327-334	9.3	1
4	Co(OH) water oxidation cocatalyst-decorated CdS nanowires for enhanced photocatalytic CO reduction performance. *Dalton Transactions*, **2021**, 50, 10159-10167	4.3	1
3	Synergy of nitrogen vacancies and Fe2P cocatalyst on graphitic carbon nitride for boosting photocatalytic CO2 conversion. *Chemical Engineering Journal*, **2022**, 446, 137096	14.7	1
2	Heterostructure arrays of (Ni,Co)Se2 nanowires integrated with MOFs-derived CoSe2 dodecahedra for synergistically high-efficiency and stable overall water splitting. *Applied Surface Science*, **2022**, 592, 153352	6.7	0
1	Synthesis of AuPd/g-C3N4 nanocomposites and their electrochemical properties. *IOP Conference Series: Materials Science and Engineering*, **2017**, 207, 012005	0.4	