

Jun Ke

List of Publications by Year in descending order

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58
papers

4,643
citations

126708

33
h-index

143772

57
g-index

60
all docs

60
docs citations

60
times ranked

5213
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanistic investigation of the enhanced NH ₃ -SCR on cobalt-decorated Ce-Ti mixed oxide: In situ FTIR analysis for structure-activity correlation. Applied Catalysis B: Environmental, 2017, 200, 297-308.	10.8	388
2	Facile assembly of Bi ₂ O ₃ /Bi ₂ S ₃ /MoS ₂ n-p heterojunction with layered n-Bi ₂ O ₃ and p-MoS ₂ for enhanced photocatalytic water oxidation and pollutant degradation. Applied Catalysis B: Environmental, 2017, 200, 47-55.	10.8	314
3	0D (MoS ₂)/2D (g-C ₃ N ₄) heterojunctions in Z-scheme for enhanced photocatalytic and electrochemical hydrogen evolution. Applied Catalysis B: Environmental, 2018, 228, 64-74.	10.8	298
4	Z-scheme plasmonic Ag decorated WO ₃ /Bi ₂ WO ₆ hybrids for enhanced photocatalytic abatement of chlorinated-VOCs under solar light irradiation. Applied Catalysis B: Environmental, 2019, 242, 76-84.	10.8	270
5	Co ₃ O ₄ quantum dots/TiO ₂ nanobelt hybrids for highly efficient photocatalytic overall water splitting. Applied Catalysis B: Environmental, 2018, 236, 396-403.	10.8	218
6	CuInS ₂ quantum dots embedded in Bi ₂ WO ₆ nanoflowers for enhanced visible light photocatalytic removal of contaminants. Applied Catalysis B: Environmental, 2018, 221, 215-222.	10.8	186
7	Novel V ₂ O ₅ /BiVO ₄ /TiO ₂ Nanocomposites with High Visible-Light-Induced Photocatalytic Activity for the Degradation of Toluene. Journal of Physical Chemistry C, 2014, 118, 10113-10121.	1.5	184
8	Nanostructured Ternary Metal Tungstate-Based Photocatalysts for Environmental Purification and Solar Water Splitting: A Review. Nano-Micro Letters, 2018, 10, 69.	14.4	180
9	Black NiO-TiO ₂ nanorods for solar photocatalysis: Recognition of electronic structure and reaction mechanism. Applied Catalysis B: Environmental, 2018, 224, 705-714.	10.8	177
10	Upconversion carbon quantum dots as visible light responsive component for efficient enhancement of photocatalytic performance. Journal of Colloid and Interface Science, 2017, 496, 425-433.	5.0	176
11	Oxygen Vacancies in Shape Controlled Cu ₂ O/Reduced Graphene Oxide/In ₂ O ₃ Hybrid for Promoted Photocatalytic Water Oxidation and Degradation of Environmental Pollutants. ACS Applied Materials & Interfaces, 2017, 9, 11678-11688.	4.0	137
12	Fe ₃ O ₄ nanoparticles three-dimensional electro-peroxydisulfate for improving tetracycline degradation. Chemosphere, 2021, 268, 129315.	4.2	123
13	Highly Dispersed NiCo ₂ O ₄ Nanodots Decorated Three-Dimensional g-C ₃ N ₄ for Enhanced Photocatalytic H ₂ Generation. ACS Sustainable Chemistry and Engineering, 2019, 7, 12428-12438.	3.2	115
14	Cobalt monoxide/tungsten trioxide p-n heterojunction boosting charge separation for efficient visible-light-driven gaseous toluene degradation. Chemical Engineering Journal, 2020, 400, 125919.	6.6	105
15	UV-assisted construction of 3D hierarchical rGO/Bi ₂ MoO ₆ composites for enhanced photocatalytic water oxidation. Chemical Engineering Journal, 2017, 313, 1447-1453.	6.6	102
16	Preparation of AgInS ₂ /TiO ₂ composites for enhanced photocatalytic degradation of gaseous o-dichlorobenzene under visible light. Applied Catalysis B: Environmental, 2016, 185, 1-10.	10.8	98
17	Ultrasensitive Quantum Dot Fluorescence quenching Assay for Selective Detection of Mercury Ions in Drinking Water. Scientific Reports, 2014, 4, 5624.	1.6	91
18	One-step facile hydrothermal synthesis of flowerlike Ce/Fe bimetallic oxides for efficient As(V) and Cr(VI) remediation: Performance and mechanism. Chemical Engineering Journal, 2018, 343, 416-426.	6.6	86

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19	Facile synthesis of tube-shaped Mn-Ni-Ti solid solution and preferable Langmuir-Hinshelwood mechanism for selective catalytic reduction of NO by NH ₃ . <i>Applied Catalysis A: General</i> , 2018, 549, 289-301.	2.2	83
20	Construction of ternary Ag/AgCl/NH ₂ -UiO-66 hybridized heterojunction for effective photocatalytic hexavalent chromium reduction. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 342-351.	5.0	75
21	Cysteine-Modified Gold Nanostars for SERS-Based Copper Ions Detection in Aqueous Media. <i>Langmuir</i> , 2014, 30, 13491-13497.	1.6	73
22	Lanthanum orthovanadate/bismuth oxybromide heterojunction for enhanced photocatalytic air purification and mechanism exploration. <i>Chemical Engineering Journal</i> , 2020, 379, 122380.	6.6	68
23	Size dependence of uniformed carbon spheres in promoting graphitic carbon nitride toward enhanced photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2017, 204, 358-364.	10.8	67
24	Fe ³⁺ -sulfite complexation enhanced persulfate Fenton-like process for antibiotic degradation based on response surface optimization. <i>Science of the Total Environment</i> , 2020, 727, 138773.	3.9	67
25	Nanocarbon-Enhanced 2D Photoelectrodes: A New Paradigm in Photoelectrochemical Water Splitting. <i>Nano-Micro Letters</i> , 2021, 13, 24.	14.4	62
26	Self-sacrificial template synthesis of heteroatom doped porous biochar for enhanced electrochemical energy storage. <i>Journal of Power Sources</i> , 2021, 488, 229455.	4.0	61
27	A facile and highly sensitive probe for Hg(II) based on metal-induced aggregation of ZnSe/ZnS quantum dots. <i>Nanoscale</i> , 2012, 4, 4996.	2.8	59
28	Crystal transformation of 2D tungstic acid H ₂ WO ₄ to WO ₃ for enhanced photocatalytic water oxidation. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 576-583.	5.0	58
29	In situ growing of Bi/Bi ₂ O ₂ CO ₃ on Bi ₂ WO ₆ nanosheets for improved photocatalytic performance. <i>Catalysis Today</i> , 2018, 314, 2-9.	2.2	56
30	Facile anion exchange to construct uniform AgX (X = Cl, Br, I)/Ag ₂ CrO ₄ NR hybrids for efficient visible light driven photocatalytic activity. <i>Solar Energy</i> , 2018, 169, 392-400.	2.9	49
31	Construction of efficient g-C ₃ N ₄ /NH ₂ -UiO-66 (Zr) heterojunction photocatalysts for wastewater purification. <i>Separation and Purification Technology</i> , 2021, 274, 118973.	3.9	48
32	Enhanced light-driven water splitting by fast electron transfer in 2D/2D reduced graphene oxide/tungsten trioxide heterojunction with preferential facets. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 413-422.	5.0	47
33	Fabrication of V ₂ O ₅ /g-C ₃ N ₄ heterojunction composites and its enhanced visible light photocatalytic performance for degradation of gaseous ortho-dichlorobenzene. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 93, 158-165.	2.7	42
34	Magnetic Fe ₃ O ₄ /attapulgite hybrids for Cd(II) adsorption: Performance, mechanism and recovery. <i>Journal of Hazardous Materials</i> , 2021, 412, 125237.	6.5	39
35	Synergically Improving Light Harvesting and Charge Transportation of TiO ₂ Nanobelts by Deposition of MoS ₂ for Enhanced Photocatalytic Removal of Cr(VI). <i>Catalysts</i> , 2017, 7, 30.	1.6	34
36	Bimetallic Fe/In metal-organic frameworks boosting charge transfer for enhancing pollutant degradation in wastewater. <i>Applied Surface Science</i> , 2020, 528, 147053.	3.1	33

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37	Plasmonic Ag/AgCl/NH ₂ -MIL-88B (Fe) inorganic-organic hybridized heterojunction as visible-light-driven photocatalyst for hexavalent chromium reduction. <i>Journal of Alloys and Compounds</i> , 2021, 862, 158195.	2.8	31
38	Zn ₂ SnO ₄ QDs decorated Bi ₂ WO ₆ nanoplates for improved visible-light-driven photocatalytic removal of gaseous contaminants. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 96, 390-399.	2.7	29
39	Advances in Two-Dimensional MXenes for Nitrogen Electrocatalytic Reduction to Ammonia. <i>International Journal of Photoenergy</i> , 2020, 2020, 1-11.	1.4	28
40	Photocatalytic degradation of gaseous toluene over bcc-In ₂ O ₃ hollow microspheres. <i>Applied Surface Science</i> , 2015, 337, 27-32.	3.1	27
41	Construction of zinc-indium-sulfide/indium oxide step-scheme junction catalyst for enhanced photocatalytic activities of pollutant degradation and hydrogen generation. <i>Separation and Purification Technology</i> , 2021, 266, 118545.	3.9	27
42	Photocatalytic degradation of gaseous toluene with multiphase Ti _x Zr _{1-x} O ₂ synthesized via co-precipitation route. <i>Journal of Colloid and Interface Science</i> , 2015, 438, 1-6.	5.0	26
43	Construction of plasmonic Bi/Bismuth oxycarbonate/Zinc bismuth oxide ternary heterojunction for enhanced charge carrier separation and photocatalytic performances. <i>Journal of Colloid and Interface Science</i> , 2022, 615, 663-673.	5.0	26
44	Novel Fe ₃ O ₄ /Ce Mixed Oxide for the Selective Catalytic Reduction of NO _x with NH ₃ at Low Temperatures. <i>Catalysts</i> , 2017, 7, 71.	1.6	24
45	Catalytic photo-redox of simulated air into ammonia over bimetallic MOFs nanosheets with oxygen vacancies. <i>Applied Catalysis B: Environmental</i> , 2022, 305, 121046.	10.8	24
46	A novel approach to synthesize ultrasmall Cu doped Zn _{0.9} In _{0.1} Se nanocrystal emitters in a colloidal system. <i>Nanoscale</i> , 2014, 6, 3403-3409.	2.8	19
47	Surface-passivated SBA-15-Supported Gold Nanoparticles: Highly Improved Catalytic Activity and Selectivity toward Hydrophobic Substrates. <i>Chemistry - an Asian Journal</i> , 2013, 8, 934-938.	1.7	17
48	HEPES-mediated controllable synthesis of hierarchical CuO nanostructures and their analogous photo-Fenton and antibacterial performance. <i>Advanced Powder Technology</i> , 2017, 28, 1332-1339.	2.0	15
49	Construction of Cu ₂ O/In ₂ O ₃ Hybrids with <i>n-p-n</i> Heterojunctions for Enhanced Photocatalytic Performance. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 7689-7695.	0.9	12
50	Defect and Interface Engineering on Two-Dimensional Nanosheets for the Photocatalytic Nitrogen Reduction Reaction. <i>ChemPhotoChem</i> , 2020, 4, 5322-5336.	1.5	12
51	Facile synthesis and characterizations of copper-zinc-10,15,20-tetra(4-pyridyl) porphyrin (Cu-ZnTPyP) coordination polymer with hexagonal micro-lump and micro-prism morphologies. <i>Journal of Colloid and Interface Science</i> , 2014, 432, 229-235.	5.0	11
52	Self-assembled perylene diimide modified NH ₂ -UiO-66 (Zr) construct n-n heterojunction catalysts for enhanced Cr (VI) photocatalytic reduction. <i>Separation and Purification Technology</i> , 2022, 296, 121423.	3.9	11
53	Manganese tungstate/graphitic carbon nitride S-scheme heterojunction for boosting hydrogen evolution and mechanism exploration. <i>Materials Today Energy</i> , 2022, 23, 100918.	2.5	10
54	<i>In Situ</i> Construction of a Two-Dimensional Heterojunction by Stacking Bismuth Trioxide Nanoplates with Reduced Graphene Oxide for Enhanced Water Oxidation Performance. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 5554-5561.	0.9	6

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55	Enhanced solar light driven activity of p-n heterojunction for water oxidation induced by deposition of Cu ₂ O on Bi ₂ O ₃ microplates. Sustainable Materials and Technologies, 2019, 19, e00088.	1.7	6
56	Creating triazine units to bridge carbon nitride with titania for enhanced hydrogen evolution performance. Journal of Colloid and Interface Science, 2022, 608, 2768-2778.	5.0	6
57	Highly Dispersion Cu ₂ O QDs Decorated Bi ₂ WO ₆ S-Scheme Heterojunction for Enhanced Photocatalytic Water Oxidation. Nanomaterials, 2022, 12, 2455.	1.9	6
58	Semiconductor Nanocrystals for Environmental Catalysis. , 2020, , 119-163.		1