

Danjun Wang

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,273
citations

218592

26
h-index

315616

38
g-index

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all docs

38
docs citations

38
times ranked

2645
citing authors

#	ARTICLE	IF	CITATIONS
1	AgBr quantum dots decorated mesoporous Bi ₂ WO ₆ architectures with enhanced photocatalytic activities for methylene blue. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11716-11727.	5.2	211
2	Monodispersed Ag nanoparticles loaded on the surface of spherical Bi ₂ WO ₆ nanoarchitectures with enhanced photocatalytic activities. <i>Journal of Materials Chemistry</i> , 2012, 22, 4751.	6.7	194
3	Synergistic effect of surface oxygen vacancies and interfacial charge transfer on Fe(III)/Bi ₂ MoO ₆ for efficient photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2019, 247, 150-162.	10.8	185
4	Fluffy honeycomb-like activated carbon from popcorn with high surface area and well-developed porosity for ultra-high efficiency adsorption of organic dyes. <i>Bioresource Technology</i> , 2019, 285, 121340.	4.8	116
5	Alkali-assisted synthesis of direct Z-scheme based Bi ₂ O ₃ /Bi ₂ MoO ₆ photocatalyst for highly efficient photocatalytic degradation of phenol and hydrogen evolution reaction. <i>Journal of Catalysis</i> , 2019, 375, 399-409.	3.1	108
6	Design and construction of the sandwich-like Z-scheme multicomponent CdS/Ag/Bi ₂ MoO ₆ heterostructure with enhanced photocatalytic performance in RhB photodegradation. <i>New Journal of Chemistry</i> , 2016, 40, 8614-8624.	1.4	100
7	Bi ₂ WO ₆ hollow microspheres with high specific surface area and oxygen vacancies for efficient photocatalysis N ₂ fixation. <i>Chemical Engineering Journal</i> , 2021, 414, 128827.	6.6	97
8	Synthesis of mesoporous Bi ₂ WO ₆ architectures and their gas sensitivity to ethanol. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4153.	2.7	86
9	Ag/Bi ₂ MoO _{6-x} with enhanced visible-light-responsive photocatalytic activities via the synergistic effect of surface oxygen vacancies and surface plasmon. <i>Applied Surface Science</i> , 2018, 436, 536-547.	3.1	84
10	In situ fabrication of Bi ₂ MoO ₆ /Bi ₂ MoO _{6-x} homojunction photocatalyst for simultaneous photocatalytic phenol degradation and Cr(VI) reduction. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 741-751.	5.0	80
11	Template-Free Hydrothermal Synthesis of Novel Three-Dimensional Dendritic CdS Nanoarchitectures. <i>Journal of Physical Chemistry C</i> , 2009, 113, 5984-5990.	1.5	74
12	Plate-to-Layer Bi ₂ MoO ₆ /MXene-Heterostructured Anode for Lithium-Ion Batteries. <i>Nano-Micro Letters</i> , 2019, 11, 81.	14.4	70
13	Ceramic supported attapulgite-graphene oxide composite membrane for efficient removal of heavy metal contamination. <i>Journal of Membrane Science</i> , 2019, 591, 117323.	4.1	66
14	Porous BiOBr/Bi ₂ MoO ₆ Heterostructures for Highly Selective Adsorption of Methylene Blue. <i>ACS Omega</i> , 2016, 1, 566-577.	1.6	59
15	Highly efficient visible-light-driven photo-Fenton catalytic performance over FeOOH/Bi ₂ WO ₆ composite for organic pollutant degradation. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152560.	2.8	57
16	La and F co-doped Bi ₂ MoO ₆ architectures with enhanced photocatalytic performance via synergistic effect. <i>RSC Advances</i> , 2016, 6, 71052-71060.	1.7	51
17	Magnetically recyclable Fe ₃ O ₄ @SiO ₂ /Bi ₂ WO ₆ /Bi ₂ S ₃ with visible-light-driven photocatalytic oxidative desulfurization. <i>Materials Research Bulletin</i> , 2019, 118, 110520.	2.7	50
18	In-Situ Construction of 2D/2D ZnIn ₂ S ₄ /BiOCl Heterostructure with Enhanced Photocatalytic Activity for N ₂ Fixation and Phenol Degradation. <i>Catalysts</i> , 2019, 9, 729.	1.6	48

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19	2D/2D type-II Cu ₂ ZnSnS ₄ /Bi ₂ WO ₆ heterojunctions to promote visible-light-driven photo-Fenton catalytic activity. Chinese Journal of Catalysis, 2020, 41, 503-513.	6.9	47
20	Ultrafine Au nanoparticles anchored on Bi ₂ MoO ₆ with abundant surface oxygen vacancies for efficient oxygen molecule activation. Catalysis Science and Technology, 2019, 9, 3193-3202.	2.1	46
21	Magnetically recyclable Fe ₃ O ₄ @SiO ₂ /Bi ₂ WO ₆ photocatalyst with well-designed core-shell nanostructure for the reduction of Cr(VI). Chemical Engineering Journal, 2019, 370, 1522-1533.	6.6	45
22	Vanadium-substituted heteropolyacids immobilized on amine-functionalized mesoporous MCM-41: A recyclable catalyst for selective oxidation of alcohols with H ₂ O ₂ . Materials Research Bulletin, 2014, 57, 210-220.	2.7	44
23	Efficient Degradation of Phenol and 4-Nitrophenol by Surface Oxygen Vacancies and Plasmonic Silver Co-Modified Bi ₂ MoO ₆ Photocatalysts. Chemistry - A European Journal, 2018, 24, 18463-18478.	1.7	40
24	Direct utilization of air and water as feedstocks in the photo-driven nitrogen reduction reaction over a ternary Z-scheme SiW ₉ Co ₃ /PDA/BWO hetero-junction. Journal of Materials Chemistry A, 2020, 8, 16590-16598.	5.2	38
25	Synthesis of nano-porous Bi ₂ WO ₆ hierarchical microcrystal with selective adsorption for cationic dyes. Materials Research Bulletin, 2016, 83, 387-395.	2.7	35
26	2D In-Plane CuS/Bi ₂ WO ₆ p-n Heterostructures with Promoted Visible-Light-Driven Photo-Fenton Degradation Performance. Nanomaterials, 2019, 9, 1151.	1.9	30
27	Nanoarchitectonics of CdS/ZnSnO ₃ heterostructures for Z-Scheme mediated directional transfer of photo-generated charges with enhanced photocatalytic performance. International Journal of Hydrogen Energy, 2022, 47, 9566-9578.	3.8	28
28	Cu and Fe-doped monolacunary tungstosilicate catalysts with efficient catalytic activity for benzyl alcohol oxidation and simulation gasoline desulfurization. Materials Research Bulletin, 2017, 85, 152-160.	2.7	27
29	Strong violet emission from zinc oxide dumbbell-like microrods and nanowires. Journal of Luminescence, 2012, 132, 1879-1884.	1.5	24
30	In-situ anion exchange based Bi ₂ S ₃ /OV-Bi ₂ MoO ₆ heterostructure for efficient ammonia production: A synchronized approach to strengthen NRR and OER reactions. Journal of Materials Science and Technology, 2022, 110, 152-160.	5.6	24
31	AgBr nanoparticles decorated BiPO ₄ microrod: a novel heterojunction with enhanced photocatalytic activities. RSC Advances, 2015, 5, 72830-72840.	1.7	21
32	Single-molecule magnet based on a C-type polyoxomolybdate with an S = 11 ground state: [Fe ₅ CoMo ₂₂ As ₂ O ₈₅ (H ₂ O)] ¹⁵⁺ . Dalton Transactions, 2013, 42, 58-62.	1.6	20
33	Assembly of CaIn ₂ S ₄ on Defect-Rich BiOCl for Acceleration of Interfacial Charge Separation and Photocatalytic Phenol Degradation via S-Scheme Electron Transfer Mechanism. Catalysts, 2021, 11, 1130.	1.6	17
34	In-Situ Construction of 2D/2D CuCo ₂ S ₄ /Bi ₂ WO ₆ contact heterojunction as a visible-light-driven fenton-like catalyst with highly efficient charge transfer for highly efficient degradation of tetracycline hydrochloride. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 634, 127965.	2.3	14
35	Synthesis of 1-(1-ferrocenylethyl)-pyridinium chloride and its hybrid materials with lindquist-type polyoxometalates. Journal of Organometallic Chemistry, 2010, 695, 1863-1868.	0.8	12
36	Preparation of efficient Ag/AgBr/TiO ₂ visible light photocatalyst for destruction of MB. Journal of Materials Science: Materials in Electronics, 2017, 28, 691-696.	1.1	10

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37	Amorphization and defect engineering in constructing ternary composite Ag/PW ₁₀ V ₂ /am-TiO ₂ for enhanced photocatalytic nitrogen fixation. <i>New Journal of Chemistry</i> , 2022, 46, 1731-1740.	1.4	9
38	Synergism of carbon quantum dots and Au nanoparticles with Bi ₂ MoO ₆ for activity enhanced photocatalytic oxidative degradation of phenol. <i>RSC Advances</i> , 2021, 11, 28674-28684.	1.7	6