

Shaonan Gu

List of Publications by Year in descending order

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43
papers

1,612
citations

331670
21
h-index

289244
40
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all docs

44
docs citations

44
times ranked

1867
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-template formation of porous yolk-shell structure Mo-doped NiCo ₂ O ₄ toward enhanced lithium storage performance as anode material. <i>Journal of Materials Science and Technology</i> , 2022, 102, 186-194.	10.7	25
2	Engineering of bionic Fe/Mo bimetallic for boosting the photocatalytic nitrogen reduction performance. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1625-1632.	9.4	10
3	The effect of ionic liquid-based electrolytes for dendrite-inhibited and performance-boosted lithium metal batteries. <i>Electrochimica Acta</i> , 2022, 401, 139527.	5.2	9
4	Preparation of yolk-shell Mn _{0.5} Zn _{0.5} Co ₂ O ₄ /C nanomaterials as anodes for high-performance lithium-ion batteries. <i>Applied Materials Today</i> , 2022, 27, 101452.	4.3	3
5	Redox regulation of photocatalytic nitrogen reduction reaction by gadolinium doping in two-dimensional bismuth molybdate nanosheets. <i>Applied Surface Science</i> , 2022, 600, 154105.	6.1	7
6	Efficient ytterbium-doped Bi ₂ WO ₆ photocatalysts: Synthesis, the formation of oxygen vacancies and boosted superoxide yield for enhanced visible-light photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2021, 851, 156935.	5.5	53
7	Performance-enhanced lithium metal batteries through ionic liquid based electrolytes and mechanism research derived by density functional theory calculations. <i>Electrochimica Acta</i> , 2021, 368, 137535.	5.2	14
8	Tunable Synthesis of Hierarchical Yolk/Double-shelled SiO ₂ @TiO ₂ @C Nanospheres for High-Performance Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2021, 27, 2654-2661.	3.3	16
9	Enhanced photocatalytic performance of rhodamine B and enrofloxacin by Pt loaded Bi ₄ V ₂ O ₁₁ : boosted separation of charge carriers, additional superoxide radical production, and the photocatalytic mechanism. <i>RSC Advances</i> , 2021, 11, 9746-9755.	3.6	10
10	Two-Dimensional Metal Telluride Atomic Crystals: Preparation, Physical Properties, and Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2010901.	14.9	22
11	The production discipline and mechanism of hydroxyl radical by investigating the Ln ₂ O ₃ -Bi ₂ MoO ₆ heterojunction photocatalysts. <i>Journal of Alloys and Compounds</i> , 2021, 864, 158894.	5.5	15
12	Surface charge engineering for two-dimensional Ti ₂ CT _x MXene for highly efficient and selective removal of cationic dye from aqueous solution. <i>Separation and Purification Technology</i> , 2021, 272, 118964.	7.9	56
13	Tunable Synthesis of Hierarchical Yolk/Double-shelled SiO ₂ @TiO ₂ @C Nanospheres for High-Performance Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2021, 27, 2555-2555.	3.3	1
14	Facile fabrication of 2D/2D step-scheme In ₂ S ₃ /Bi ₂ O ₂ CO ₃ heterojunction towards enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2020, 504, 144351.	6.1	89
15	Preparations of NiFe ₂ O ₄ Yolk-Shell@C Nanospheres and Their Performances as Anode Materials for Lithium-Ion Batteries. <i>Nanomaterials</i> , 2020, 10, 1994.	4.1	12
16	Hollow sandwich-structured N-doped carbon-silica-carbon nanocomposite anode materials for Li ion batteries. <i>Journal of Physics: Conference Series</i> , 2020, 1520, 012012.	0.4	3
17	BiVO ₄ , Bi ₂ WO ₆ and Bi ₂ MoO ₆ photocatalysis: A brief review. <i>Journal of Materials Science and Technology</i> , 2020, 56, 45-68.	10.7	219
18	The in-built bionic MoFe cofactor in Fe-doped two-dimensional MoTe ₂ nanosheets for boosting the photocatalytic nitrogen reduction performance. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13038-13048.	10.3	30

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19	Fabrication of Silica/Sulfur@Polyaniline Spheres with Radial Mesochannels as Enhanced Cathode Materials for High-Performance Lithium-Sulfur Batteries. <i>ChemNanoMat</i> , 2020, 6, 827-836.	2.8	2
20	ZnSe nanoparticles with bulk WC as cocatalyst: A novel and noble-metal-free heterojunction photocatalyst for enhancing photocatalytic hydrogen evolution under visible light irradiation. <i>Applied Materials Today</i> , 2020, 20, 100731.	4.3	23
21	Highly wrinkled NiO nanosheet-based hierarchical structure/reduced fluorographene composite for enhanced performance of lithium-sulfur battery. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 111, 205-211.	5.3	10
22	Valence mediation of samarium towards polysulfides as a redox mediator for high performance Li-S batteries. <i>Materials Today Energy</i> , 2020, 17, 100484.	4.7	5
23	Fabrication of AgBr/La ₂ Ti ₂ O ₇ hierarchical heterojunctions: Boosted interfacial charge transfer and high efficiency visible-light photocatalytic activity. <i>Separation and Purification Technology</i> , 2019, 229, 115798.	7.9	23
24	Conductive metal-organic framework with redox metal center as cathode for high rate performance lithium ion battery. <i>Journal of Power Sources</i> , 2019, 429, 22-29.	7.8	133
25	In situ grown In-Cos/Co heterostructures on nitrogen doped carbon polyhedra enabling the trapping and reaction-intensification of polysulfides towards high performance lithium sulfur batteries. <i>Nanoscale</i> , 2019, 11, 20579-20588.	5.6	16
26	Construction of Eu ²⁺ /g-C ₃ N ₄ Redox Heterojunctions Containing Eu ³⁺ /Eu ²⁺ Self-Redox Centers for Boosted Visible-Light Photocatalytic Activity. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2564-2573.	2.0	12
27	DMF-Assisted Hydrothermal Synthesis of BiVO ₄ /Bi ₂ VO ₅ Heterojunction Photocatalyst with Highly Enhanced Photocatalytic Activity. <i>Russian Journal of Physical Chemistry A</i> , 2018, 92, 1837-1845.	0.6	1
28	Forming oxygen vacancies inside in lutetium-doped Bi ₂ MoO ₆ nanosheets for enhanced visible-light photocatalytic activity. <i>Molecular Catalysis</i> , 2017, 433, 301-312.	2.0	60
29	Facile fabrication of direct Z-scheme MoS ₂ /Bi ₂ WO ₆ heterojunction photocatalyst with superior photocatalytic performance under visible light irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 335, 140-148.	3.9	79
30	Visible-light-driven heterojunction photocatalysts based on g-C ₃ N ₄ decorated La ₂ Ti ₂ O ₇ : Effective transportation of photogenerated carriers in this heterostructure. <i>Catalysis Communications</i> , 2017, 96, 50-53.	3.3	15
31	Enhancement of photocatalytic activity in Tb/Eu co-doped Bi ₂ MoO ₆ : the synergistic effect of Tb-Eu redox cycles. <i>RSC Advances</i> , 2016, 6, 48089-48098.	3.6	34
32	Fabrication of FeWO ₄ @ZnWO ₄ /ZnO Heterojunction Photocatalyst: Synergistic Effect of ZnWO ₄ /ZnO and FeWO ₄ @ZnWO ₄ /ZnO Heterojunction Structure on the Enhancement of Visible-Light Photocatalytic Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 6288-6298.	6.7	94
33	Samarium and Nitrogen Co-Doped Bi ₂ WO ₆ Photocatalysts: Synergistic Effect of Sm ³⁺ /Sm ²⁺ Redox Centers and N-Doped Level for Enhancing Visible-Light Photocatalytic Activity. <i>Chemistry - A European Journal</i> , 2016, 22, 12859-12867.	3.3	73
34	Synthesis of BiVO ₄ -TiO ₂ -BiVO ₄ three-layer composite photocatalyst: effect of layered heterojunction structure on the enhancement of photocatalytic activity. <i>RSC Advances</i> , 2016, 6, 75482-75490.	3.6	22
35	Highly-Visible-Light Photocatalytic Performance Derived from a Lanthanide Self-Redox Cycle in Ln ₂ O ₃ /BiVO ₄ (Ln: Sm, Eu, Tb) Redox Heterojunction. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19242-19251.	3.1	35
36	Novel Application of Silicate Sol to Improve the Stability of Sodium Dodecylsulfate Foams Used for Enhanced Oil Recovery. <i>Chemistry and Technology of Fuels and Oils</i> , 2016, 52, 386-395.	0.5	4

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37	In-built Tb ⁴⁺ /Tb ³⁺ redox centers in terbium-doped bismuth molybdate nanograss for enhanced photocatalytic activity. Catalysis Science and Technology, 2016, 6, 3510-3519.	4.1	79
38	Substitution of Ce ^(III,IV) ions for Bi in BiVO ₄ and its enhanced impact on visible light-driven photocatalytic activities. Catalysis Science and Technology, 2016, 6, 1870-1881.	4.1	55
39	Effect of starch particles on foam stability and dilational viscoelasticity of aqueous-foam. Chinese Journal of Chemical Engineering, 2015, 23, 276-280.	3.5	61
40	Synthesis of buckhorn-like BiVO ₄ with a shell of CeO nanodots: Effect of heterojunction structure on the enhancement of photocatalytic activity. Applied Catalysis B: Environmental, 2015, 170-171, 186-194.	20.2	96
41	Visible Light-Driven BiVO ₄ /TiO ₂ Composite Photocatalysts: Preparation Methods and Photocatalytic Performance. Australian Journal of Chemistry, 2015, 68, 1268.	0.9	9
42	In situ preparation of novel heterojunction BiOBr/BiVO ₄ photocatalysts with enhanced visible light photocatalytic activity. RSC Advances, 2015, 5, 92769-92777.	3.6	26
43	Novel In ₂ S ₃ /ZnWO ₄ heterojunction photocatalysts: facile synthesis and high-efficiency visible-light-driven photocatalytic activity. RSC Advances, 2015, 5, 89940-89950.	3.6	51