

Hua-ming Li

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381
papers

21,902
citations

79
h-index

130
g-index

395
ext. papers

26,690
ext. citations

8.9
avg, IF

7.41
L-index

#	Paper	IF	Citations
381	A Hierarchical Z-Scheme Fe ₃ O ₄ /g-C ₃ N ₄ Hybrid for Enhanced Photocatalytic CO Reduction. <i>Advanced Materials</i> , 2018 , 30, 1706108	24	544
380	Novel visible-light-driven AgX/graphite-like C ₃ N ₄ (X=Br, I) hybrid materials with synergistic photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2013 , 129, 182-193	21.8	525
379	High Efficiency Photocatalytic Water Splitting Using 2D Fe ₂ O ₃ /g-C ₃ N ₄ Z-Scheme Catalysts. <i>Advanced Energy Materials</i> , 2017 , 7, 1700025	21.8	501
378	Novel visible-light-driven CQDs/Bi ₂ WO ₆ hybrid materials with enhanced photocatalytic activity toward organic pollutants degradation and mechanism insight. <i>Applied Catalysis B: Environmental</i> , 2015 , 168-169, 51-61	21.8	410
377	Preparation of sphere-like g-C ₃ N ₄ /BiOI photocatalysts via a reactable ionic liquid for visible-light-driven photocatalytic degradation of pollutants. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 5340	13	386
376	Visible-light-induced WO ₃ /g-C ₃ N ₄ composites with enhanced photocatalytic activity. <i>Dalton Transactions</i> , 2013 , 42, 8606-16	4.3	382
375	Ionic liquid-induced strategy for carbon quantum dots/BiOX (X = Br, Cl) hybrid nanosheets with superior visible light-driven photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2016 , 181, 260-269	21.8	318
374	Graphene-analogue carbon nitride: novel exfoliation synthesis and its application in photocatalysis and photoelectrochemical selective detection of trace amount of Cu ²⁺ . <i>Nanoscale</i> , 2014 , 6, 1406-15	7.7	308
373	Oxygenated monolayer carbon nitride for excellent photocatalytic hydrogen evolution and external quantum efficiency. <i>Nano Energy</i> , 2016 , 27, 138-146	17.1	303
372	Ultrathin 2D Photocatalysts: Electronic-Structure Tailoring, Hybridization, and Applications. <i>Advanced Materials</i> , 2018 , 30, 1704548	24	298
371	Bismuth oxyhalide layered materials for energy and environmental applications. <i>Nano Energy</i> , 2017 , 41, 172-192	17.1	272
370	Surface Defect Engineering in 2D Nanomaterials for Photocatalysis. <i>Advanced Functional Materials</i> , 2018 , 28, 1801983	15.6	260
369	Carbon Quantum Dots Modified BiOCl Ultrathin Nanosheets with Enhanced Molecular Oxygen Activation Ability for Broad Spectrum Photocatalytic Properties and Mechanism Insight. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 20111-23	9.5	252
368	Advanced photocatalytic performance of graphene-like BN modified BiOBr flower-like materials for the removal of pollutants and mechanism insight. <i>Applied Catalysis B: Environmental</i> , 2016 , 183, 254-262	21.8	250
367	Improved visible light photocatalytic activity of sphere-like BiOBr hollow and porous structures synthesized via a reactable ionic liquid. <i>Dalton Transactions</i> , 2011 , 40, 5249-58	4.3	221
366	Defect-Rich Bi ₂ O ₃ /Cl Nanotubes Self-Accelerating Charge Separation for Boosting Photocatalytic CO Reduction. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 14847-14851	16.4	219
365	Deep oxidative desulfurization of dibenzothiophene with POM-based hybrid materials in ionic liquids. <i>Chemical Engineering Journal</i> , 2013 , 220, 328-336	14.7	216

364	Self-assembled synthesis of defect-engineered graphitic carbon nitride nanotubes for efficient conversion of solar energy. <i>Applied Catalysis B: Environmental</i> , 2018 , 225, 154-161	21.8	210
363	One-pot extraction combined with metal-free photochemical aerobic oxidative desulfurization in deep eutectic solvent. <i>Green Chemistry</i> , 2015 , 17, 2464-2472	10	204
362	Controlled Gas Exfoliation of Boron Nitride into Few-Layered Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10766-70	16.4	201
361	Synthesis of magnetic CoFe ₂ O ₄ /g-C ₃ N ₄ composite and its enhancement of photocatalytic ability under visible-light. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 478, 71-80	5.1	192
360	Defect-Tailoring Mediated Electron-Hole Separation in Single-Unit-Cell Bi O Br Nanosheets for Boosting Photocatalytic Hydrogen Evolution and Nitrogen Fixation. <i>Advanced Materials</i> , 2019 , 31, e1807576	24	188
359	Construction of MnO ₂ /Monolayer g-C ₃ N ₄ with Mn vacancies for Z-scheme overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2019 , 241, 452-460	21.8	179
358	Isolated single atom cobalt in BiOBr atomic layers to trigger efficient CO photoreduction. <i>Nature Communications</i> , 2019 , 10, 2840	17.4	177
357	2D heterostructure comprised of metallic 1T-MoS ₂ /Monolayer O-g-C ₃ N ₄ towards efficient photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2018 , 220, 379-385	21.8	176
356	Synthesis and characterization of g-C ₃ N ₄ /MoO ₃ photocatalyst with improved visible-light photoactivity. <i>Applied Surface Science</i> , 2013 , 283, 25-32	6.7	175
355	A template-free solvent-mediated synthesis of high surface area boron nitride nanosheets for aerobic oxidative desulfurization. <i>Chemical Communications</i> , 2016 , 52, 144-7	5.8	170
354	Reactable ionic liquid-assisted rapid synthesis of BiOI hollow microspheres at room temperature with enhanced photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 15864-15874	13	170
353	Polyoxometalate-based ionic liquids as catalysts for deep desulfurization of fuels. <i>Fuel Processing Technology</i> , 2011 , 92, 1842-1848	7.2	168
352	Controllable synthesis of Bi ₄ O ₅ Br ₂ ultrathin nanosheets for photocatalytic removal of ciprofloxacin and mechanism insight. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15108-15118	13	167
351	Novel magnetic CoFe ₂ O ₄ /Ag/Ag ₃ VO ₄ composites: Highly efficient visible light photocatalytic and antibacterial activity. <i>Applied Catalysis B: Environmental</i> , 2016 , 199, 11-22	21.8	165
350	Application of graphene-like layered molybdenum disulfide and its excellent adsorption behavior for doxycycline antibiotic. <i>Chemical Engineering Journal</i> , 2014 , 243, 60-67	14.7	164
349	Pyridinium-based temperature-responsive magnetic ionic liquid for oxidative desulfurization of fuels. <i>Chemical Engineering Journal</i> , 2013 , 229, 250-256	14.7	156
348	Taming interfacial electronic properties of platinum nanoparticles on vacancy-abundant boron nitride nanosheets for enhanced catalysis. <i>Nature Communications</i> , 2017 , 8, 15291	17.4	154
347	A g-C ₃ N ₄ /BiOBr visible-light-driven composite: synthesis via a reactable ionic liquid and improved photocatalytic activity. <i>RSC Advances</i> , 2013 , 3, 19624	3.7	153

346	Porous nitrogen-rich g-C ₃ N ₄ nanotubes for efficient photocatalytic CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2019 , 256, 117854	21.8	152
345	Atomically-thin Bi ₂ MoO ₆ nanosheets with vacancy pairs for improved photocatalytic CO ₂ reduction. <i>Nano Energy</i> , 2019 , 61, 54-59	17.1	150
344	Ultrathin two-dimensional materials for photo- and electrocatalytic hydrogen evolution. <i>Materials Today</i> , 2018 , 21, 749-770	21.8	147
343	Nature-based catalyst for visible-light-driven photocatalytic CO ₂ reduction. <i>Energy and Environmental Science</i> , 2018 , 11, 2382-2389	35.4	145
342	Graphene-Analogue Hexagonal BN Supported with Tungsten-based Ionic Liquid for Oxidative Desulfurization of Fuels. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 186-194	8.3	144
341	The selectivity for sulfur removal from oils: An insight from conceptual density functional theory. <i>AIChE Journal</i> , 2016 , 62, 2087-2100	3.6	144
340	Few-layered graphene-like boron nitride induced a remarkable adsorption capacity for dibenzothiophene in fuels. <i>Green Chemistry</i> , 2015 , 17, 1647-1656	10	144
339	Freestanding atomically-thin two-dimensional materials beyond graphene meeting photocatalysis: Opportunities and challenges. <i>Nano Energy</i> , 2017 , 35, 79-91	17.1	142
338	Reactable ionic liquid assisted solvothermal synthesis of graphite-like C ₃ N ₄ hybridized Fe ₂ O ₃ hollow microspheres with enhanced supercapacitive performance. <i>Journal of Power Sources</i> , 2014 , 245, 866-874	8.9	138
337	Morphology controlled preparation of ZnCo ₂ O ₄ nanostructures for asymmetric supercapacitor with ultrahigh energy density. <i>Energy</i> , 2017 , 123, 296-304	7.9	136
336	Construction of a 2D Graphene-Like MoS ₂ /C ₃ N ₄ Heterojunction with Enhanced Visible-Light Photocatalytic Activity and Photoelectrochemical Activity. <i>Chemistry - A European Journal</i> , 2016 , 22, 4764-4773	4.8	135
335	Synthesis of g-C ₃ N ₄ /Ag ₃ VO ₄ composites with enhanced photocatalytic activity under visible light irradiation. <i>Chemical Engineering Journal</i> , 2015 , 271, 96-105	14.7	132
334	Constructing magnetic catalysts with in-situ solid-liquid interfacial photo-Fenton-like reaction over Ag ₃ PO ₄ @NiFe ₂ O ₄ composites. <i>Applied Catalysis B: Environmental</i> , 2018 , 225, 40-50	21.8	132
333	Heteropolyanion-Based Ionic Liquid for Deep Desulfurization of Fuels in Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 8998-9003	3.9	131
332	Solvothermal synthesis of metallic 1T-WS ₂ : A supporting co-catalyst on carbon nitride nanosheets toward photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , 2018 , 335, 282-289	14.7	121
331	Constructing confined surface carbon defects in ultrathin graphitic carbon nitride for photocatalytic free radical manipulation. <i>Carbon</i> , 2016 , 107, 1-10	10.4	121
330	Preparation of TiO ₂ /g-C ₃ N ₄ composites and their application in photocatalytic oxidative desulfurization. <i>Ceramics International</i> , 2014 , 40, 11627-11635	5.1	118
329	Bismuth vacancy mediated single unit cell Bi ₂ WO ₆ nanosheets for boosting photocatalytic oxygen evolution. <i>Applied Catalysis B: Environmental</i> , 2018 , 238, 119-125	21.8	116

328	Carbon Quantum Dots Induced Ultrasmall BiOI Nanosheets with Assembled Hollow Structures for Broad Spectrum Photocatalytic Activity and Mechanism Insight. <i>Langmuir</i> , 2016 , 32, 2075-84	4	114
327	Construction of novel CNT/LaVO ₄ nanostructures for efficient antibiotic photodegradation. <i>Chemical Engineering Journal</i> , 2019 , 357, 487-497	14.7	113
326	Novel heterogeneous iron-based redox ionic liquid supported on SBA-15 for deep oxidative desulfurization of fuels. <i>Chemical Engineering Journal</i> , 2015 , 266, 213-221	14.7	110
325	Bidirectional acceleration of carrier separation spatially via N-CQDs/atomically-thin BiOI nanosheets nanojunctions for manipulating active species in a photocatalytic process. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5051-5061	13	110
324	Carbon quantum dots in situ coupling to bismuth oxyiodide via reactable ionic liquid with enhanced photocatalytic molecular oxygen activation performance. <i>Carbon</i> , 2016 , 98, 613-623	10.4	104
323	Synthesis of supported SiW ₁₂ O ₄₀ -based ionic liquid catalyst induced solvent-free oxidative deep-desulfurization of fuels. <i>Chemical Engineering Journal</i> , 2016 , 288, 608-617	14.7	104
322	Carbon-doped porous boron nitride: metal-free adsorbents for sulfur removal from fuels. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12738-12747	13	104
321	Three dimensional polyaniline/MgIn ₂ S ₄ nanoflower photocatalysts accelerated interfacial charge transfer for the photoreduction of Cr(VI), photodegradation of organic pollution and photocatalytic H ₂ production. <i>Chemical Engineering Journal</i> , 2019 , 360, 1601-1612	14.7	103
320	Different Morphologies of SnS ₂ Supported on 2D g-C ₃ N ₄ for Excellent and Stable Visible Light Photocatalytic Hydrogen Generation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 5132-5141	8.3	102
319	Ionic liquid extraction and catalytic oxidative desulfurization of fuels using dialkylpiperidinium tetrachloroferrates catalysts. <i>Chemical Engineering Journal</i> , 2014 , 250, 48-54	14.7	98
318	One-pot solvothermal synthesis of Cu-modified BiOCl via a Cu-containing ionic liquid and its visible-light photocatalytic properties. <i>RSC Advances</i> , 2014 , 4, 14281	3.7	98
317	Emerging surface strategies on graphitic carbon nitride for solar driven water splitting. <i>Chemical Engineering Journal</i> , 2020 , 382, 122812	14.7	97
316	New insight of Ag quantum dots with the improved molecular oxygen activation ability for photocatalytic applications. <i>Applied Catalysis B: Environmental</i> , 2016 , 188, 376-387	21.8	95
315	Cr-doped CoFe layered double hydroxides: Highly efficient and robust bifunctional electrocatalyst for the oxidation of water and urea. <i>Applied Catalysis B: Environmental</i> , 2020 , 272, 118959	21.8	94
314	One-pot synthesis, characterization and desulfurization of functional mesoporous W-MCM-41 from POM-based ionic liquids. <i>Chemical Engineering Journal</i> , 2014 , 243, 386-393	14.7	94
313	Magnetic g-C ₃ N ₄ /NiFe ₂ O ₄ hybrids with enhanced photocatalytic activity. <i>RSC Advances</i> , 2015 , 5, 57960-57967	3.7	92
312	Nickel-cobalt-layered double hydroxide nanosheet arrays on Ni foam as a bifunctional electrocatalyst for overall water splitting. <i>Dalton Transactions</i> , 2017 , 46, 8372-8376	4.3	90
311	Graphene-like boron nitride induced accelerated charge transfer for boosting the photocatalytic behavior of Bi ₄ O ₅ I ₂ towards bisphenol a removal. <i>Chemical Engineering Journal</i> , 2018 , 331, 355-363	14.7	89

310	Copper nanoparticles advance electron mobility of graphene-like boron nitride for enhanced aerobic oxidative desulfurization. <i>Chemical Engineering Journal</i> , 2016 , 301, 123-131	14.7	88
309	2D-2D stacking of graphene-like g-C ₃ N ₄ /Ultrathin Bi ₄ O ₅ Br ₂ with matched energy band structure towards antibiotic removal. <i>Applied Surface Science</i> , 2017 , 413, 372-380	6.7	87
308	Boric acid-based ternary deep eutectic solvent for extraction and oxidative desulfurization of diesel fuel. <i>Green Chemistry</i> , 2019 , 21, 3074-3080	10	87
307	Magnetic mesoporous nanospheres supported phosphomolybdate-based ionic liquid for aerobic oxidative desulfurization of fuel. <i>Journal of Colloid and Interface Science</i> , 2019 , 534, 239-247	9.3	87
306	Ionic liquid-induced strategy for porous perovskite-like PbBiO ₂ Br photocatalysts with enhanced photocatalytic activity and mechanism insight. <i>Applied Catalysis B: Environmental</i> , 2017 , 206, 127-135	21.8	85
305	Temperature-responsive ionic liquid extraction and separation of the aromatic sulfur compounds. <i>Fuel</i> , 2015 , 140, 590-596	7.1	82
304	Defect engineering in atomically-thin bismuth oxychloride towards photocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14144-14151	13	81
303	N-CQDs accelerating surface charge transfer of Bi ₄ O ₅ I ₂ hollow nanotubes with broad spectrum photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2018 , 237, 1033-1043	21.8	80
302	Taming electronic properties of boron nitride nanosheets as metal-free catalysts for aerobic oxidative desulfurization of fuels. <i>Green Chemistry</i> , 2018 , 20, 4453-4460	10	79
301	Bismuth Vacancy-Tuned Bismuth Oxybromide Ultrathin Nanosheets toward Photocatalytic CO Reduction. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 30786-30792	9.5	79
300	In-situ preparation of NH ₂ -MIL-125(Ti)/BiOCl composite with accelerating charge carriers for boosting visible light photocatalytic activity. <i>Applied Surface Science</i> , 2019 , 466, 525-534	6.7	79
299	NiCo ₂ O ₄ ultrathin nanosheets with oxygen vacancies as bifunctional electrocatalysts for Zn-air battery. <i>Applied Surface Science</i> , 2019 , 478, 552-559	6.7	78
298	Polyoxometalate-based ionic liquid supported on graphite carbon induced solvent-free ultra-deep oxidative desulfurization of model fuels. <i>Fuel</i> , 2017 , 190, 1-9	7.1	78
297	Phase and interlayer effect of transition metal dichalcogenide cocatalyst toward photocatalytic hydrogen evolution: The case of MoSe ₂ . <i>Applied Catalysis B: Environmental</i> , 2019 , 243, 330-336	21.8	78
296	In-situ hydroxyl modification of monolayer black phosphorus for stable photocatalytic carbon dioxide conversion. <i>Applied Catalysis B: Environmental</i> , 2020 , 269, 118760	21.8	76
295	A ternary cobalt-molybdenum-vanadium layered double hydroxide nanosheet array as an efficient bifunctional electrocatalyst for overall water splitting. <i>Chemical Communications</i> , 2019 , 55, 3521-3524	5.8	75
294	Rapid gas-assisted exfoliation promises V ₂ O ₅ nanosheets for high performance lithium-sulfur batteries. <i>Nano Energy</i> , 2020 , 67, 104253	17.1	74
293	Boron Nitride Mesoporous Nanowires with Doped Oxygen Atoms for the Remarkable Adsorption Desulfurization Performance from Fuels. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 4457-4464	8.3	71

292	Synthesis of metal-based ionic liquid supported catalyst and its application in catalytic oxidative desulfurization of fuels. <i>Fuel</i> , 2014 , 136, 358-365	7.1	71
291	Boosting aerobic oxidative desulfurization performance in fuel oil via strong metal-edge interactions between Pt and h-BN. <i>Chemical Engineering Journal</i> , 2020 , 380, 122526	14.7	71
290	Biomass willow catkin-derived Co ₃ O ₄ /N-doped hollow hierarchical porous carbon microtubes as an effective tri-functional electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 20170-20179	13	70
289	Tunable oxygen activation induced by oxygen defects in nitrogen doped carbon quantum dots for sustainable boosting photocatalysis. <i>Carbon</i> , 2017 , 114, 601-607	10.4	69
288	A DFT study of the extractive desulfurization mechanism by [BMIM](+)[AlCl ₄](-) ionic liquid. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 5995-6009	3.4	69
287	Visible-light-driven Ag/AgBr/ZnFeO composites with excellent photocatalytic activity for E. coli disinfection and organic pollutant degradation. <i>Journal of Colloid and Interface Science</i> , 2018 , 512, 555-586	8.3	68
286	Ultrathin structured photocatalysts: A versatile platform for CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2019 , 256, 117788	21.8	67
285	Tuning the electrophilicity of vanadium-substituted polyoxometalate based ionic liquids for high-efficiency aerobic oxidative desulfurization. <i>Applied Catalysis B: Environmental</i> , 2020 , 271, 118936	21.8	66
284	Controllable synthesis of uniform mesoporous H-Nb ₂ O ₅ /rGO nanocomposites for advanced lithium ion hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 693-703	13	66
283	Enhancing reactive oxygen species generation and photocatalytic performance via adding oxygen reduction reaction catalysts into the photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2017 , 218, 174-185	21.8	62
282	Synthesis of Ionic-Liquid-Based Deep Eutectic Solvents for Extractive Desulfurization of Fuel. <i>Energy & Fuels</i> , 2016 , 30, 8164-8170	4.1	62
281	Enhancing charge density and steering charge unidirectional flow in 2D non-metallic semiconductor-CNTs-metal coupled photocatalyst for solar energy conversion. <i>Applied Catalysis B: Environmental</i> , 2017 , 202, 112-117	21.8	62
280	Photoelectrochemical monitoring of ciprofloxacin based on metallic Bi self-doping BiOBr nanocomposites. <i>Electrochimica Acta</i> , 2018 , 259, 873-881	6.7	62
279	Decavanadates anchored into micropores of graphene-like boron nitride: Efficient heterogeneous catalysts for aerobic oxidative desulfurization. <i>Fuel</i> , 2018 , 230, 104-112	7.1	62
278	Theoretical evidence of charge transfer interaction between SO ₂ and deep eutectic solvents formed by choline chloride and glycerol. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 28729-42	3.6	61
277	A large number of low coordinated atoms in boron nitride for outstanding adsorptive desulfurization performance. <i>Green Chemistry</i> , 2016 , 18, 3040-3047	10	61
276	Facile synthesis of amphiphilic polyoxometalate-based ionic liquid supported silica induced efficient performance in oxidative desulfurization. <i>Journal of Molecular Catalysis A</i> , 2015 , 406, 23-30		61
275	A Specifically Exposed Cobalt Oxide/Carbon Nitride 2D Heterostructure for Carbon Dioxide Photoreduction. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 17394-17400	3.9	61

274	Rapid synthesis of ultrathin 2D materials through liquid-nitrogen and microwave treatments. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 5209-5213	13	60
273	Hydrothermal synthesis of mpg-C ₃ N ₄ and Bi ₂ WO ₆ nest-like structure nanohybrids with enhanced visible light photocatalytic activities. <i>RSC Advances</i> , 2017 , 7, 38682-38690	3.7	59
272	Synergistic effect of dual Brønsted acidic deep eutectic solvents for oxidative desulfurization of diesel fuel. <i>Chemical Engineering Journal</i> , 2020 , 394, 124831	14.7	58
271	Improving the photocatalytic activity and stability of graphene-like BN/AgBr composites. <i>Applied Surface Science</i> , 2014 , 313, 1-9	6.7	58
270	Ionic liquid assisted synthesis and photocatalytic properties of Fe ₂ O ₃ hollow microspheres. <i>Dalton Transactions</i> , 2013 , 42, 6468-77	4.3	58
269	Tuning the Chemical Hardness of Boron Nitride Nanosheets by Doping Carbon for Enhanced Adsorption Capacity. <i>ACS Omega</i> , 2017 , 2, 5385-5394	3.9	58
268	Enhanced photocatalytic activity of ternary Ag ₃ PO ₄ /GO/g-C ₃ N ₄ photocatalysts for Rhodamine B degradation under visible light radiation. <i>Applied Surface Science</i> , 2019 , 466, 70-77	6.7	58
267	Mechanism and optimization for oxidative desulfurization of fuels catalyzed by Fenton-like catalysts in hydrophobic ionic liquid. <i>Journal of Molecular Catalysis A</i> , 2014 , 382, 8-14		57
266	In-situ formation of hierarchical 1D-3D hybridized carbon nanostructure supported nonnoble transition metals for efficient electrocatalysis of oxygen reaction. <i>Applied Catalysis B: Environmental</i> , 2019 , 243, 151-160	21.8	57
265	Freestanding ultrathin bismuth-based materials for diversified photocatalytic applications. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 25203-25226	13	56
264	Sacrificing ionic liquid-assisted anchoring of carbonized polymer dots on perovskite-like PbBiO ₂ Br for robust CO ₂ photoreduction. <i>Applied Catalysis B: Environmental</i> , 2019 , 254, 551-559	21.8	55
263	Taming Interfacial Oxygen Vacancies of Amphiphilic Tungsten Oxide for Enhanced Catalysis in Oxidative Desulfurization. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 8930-8938	8.3	55
262	Controllable Fabrication of Tungsten Oxide Nanoparticles Confined in Graphene-Analogous Boron Nitride as an Efficient Desulfurization Catalyst. <i>Chemistry - A European Journal</i> , 2015 , 21, 15421-7	4.8	55
261	Deep oxidative desulfurization of dibenzothiophene using low-temperature-mediated titanium dioxide catalyst in ionic liquids. <i>Fuel</i> , 2015 , 159, 446-453	7.1	54
260	Enhanced photocatalytic activity of bismuth oxyiodine (BiOI) porous microspheres synthesized via reactable ionic liquid-assisted solvothermal method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 387, 23-28	5.1	54
259	Improved photocatalytic activity of few-layer Bi ₄ O ₅ I ₂ nanosheets induced by efficient charge separation and lower valence position. <i>Journal of Alloys and Compounds</i> , 2017 , 695, 922-930	5.7	52
258	Hexagonal boron nitride: A metal-free catalyst for deep oxidative desulfurization of fuel oils. <i>Green Energy and Environment</i> , 2020 , 5, 166-172	5.7	52
257	1D metallic MoO ₂ -C as co-catalyst on 2D g-C ₃ N ₄ semiconductor to promote photocatalytic hydrogen production. <i>Applied Surface Science</i> , 2018 , 447, 732-739	6.7	52

256	Oxygen vacancies modulated Bi-rich bismuth oxyiodide microspheres with tunable valence band position to boost the photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2019 , 533, 612-620	9.3	52
255	Synthesis of mesoporous WO ₃ /TiO ₂ catalyst and its excellent catalytic performance for the oxidation of dibenzothiophene. <i>New Journal of Chemistry</i> , 2017 , 41, 569-578	3.6	51
254	Space-Confined Yolk-Shell Construction of Fe ₃ O ₄ Nanoparticles Inside N-Doped Hollow Mesoporous Carbon Spheres as Bifunctional Electrocatalysts for Long-Term Rechargeable Zinc-Air Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 2005834	15.6	51
253	Graphitic carbon nitride/BiOCl composites for sensitive photoelectrochemical detection of ciprofloxacin. <i>Journal of Colloid and Interface Science</i> , 2016 , 483, 241-248	9.3	51
252	AgInS ₂ /In ₂ S ₃ heterostructure sensitization of Escherichia coli for sustainable hydrogen production. <i>Nano Energy</i> , 2018 , 46, 234-240	17.1	50
251	Low cost and green preparation process for Fe ₂ O ₃ @gum arabic electrode for high performance sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 2102-2109	13	49
250	Tailoring N-Terminated Defective Edges of Porous Boron Nitride for Enhanced Aerobic Catalysis. <i>Small</i> , 2017 , 13, 1701857	11	48
249	Silver Nanoparticle-Decorated Boron Nitride with Tunable Electronic Properties for Enhancement of Adsorption Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 4948-4957	8.3	48
248	Confined active species and effective charge separation in Bi ₄ O ₅ I ₂ ultrathin hollow nanotube with increased photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2020 , 268, 118403	21.8	48
247	Oxidative desulfurization of fuels promoted by choline chloride-based deep eutectic solvents. <i>Journal of Molecular Catalysis A</i> , 2016 , 424, 261-268		47
246	Graphene-Analogues Boron Nitride Nanosheets Confining Ionic Liquids: A High-Performance Quasi-Liquid Solid Electrolyte. <i>Small</i> , 2016 , 12, 3535-42	11	45
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