

Cheng Yan

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390
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ext. citations

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#	Paper	IF	Citations
377	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
376	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
375	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
374	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
373	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
372	Oxygenated monolayer carbon nitride for excellent photocatalytic hydrogen evolution and external quantum efficiency. <i>Nano Energy</i> , 2016 , 27, 138-146	17.1	303
371	Ultrathin 2D Photocatalysts: Electronic-Structure Tailoring, Hybridization, and Applications. <i>Advanced Materials</i> , 2018 , 30, 1704548	24	298
370	Exfoliated graphene-like carbon nitride in organic solvents: enhanced photocatalytic activity and highly selective and sensitive sensor for the detection of trace amounts of Cu ²⁺ . <i>Journal of Materials Chemistry A</i> , 2014 , 2, 2563	13	288
369	Electrochemical CO ₂ Reduction with Atomic Iron-Dispersed on Nitrogen-Doped Graphene. <i>Advanced Energy Materials</i> , 2018 , 8, 1703487	21.8	277
368	Bismuth oxyhalide layered materials for energy and environmental applications. <i>Nano Energy</i> , 2017 , 41, 172-192	17.1	272
367	Surface Defect Engineering in 2D Nanomaterials for Photocatalysis. <i>Advanced Functional Materials</i> , 2018 , 28, 1801983	15.6	260
366	MoS ₂ /TiO ₂ Edge-On Heterostructure for Efficient Photocatalytic Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2016 , 6, 1600464	21.8	226
365	Defect-Rich Bi ₂ OCl Nanotubes Self-Accelerating Charge Separation for Boosting Photocatalytic CO Reduction. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 14847-14851	16.4	219
364	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
363	Controlled Gas Exfoliation of Boron Nitride into Few-Layered Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10766-70	16.4	201
362	Commercially available molybdenic compound-catalyzed ultra-deep desulfurization of fuels in ionic liquids. <i>Green Chemistry</i> , 2008 , 10, 641	10	193
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, e1807516	24	188
359	Oxidative Desulfurization of Fuels Catalyzed by Peroxotungsten and Peroxomolybdenum Complexes in Ionic Liquids. <i>Energy & Fuels</i> , 2007 , 21, 2514-2516	4.1	183
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	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
356	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
355	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
354	Facile fabrication of the visible-light-driven Bi ₂ WO ₆ /BiOBr composite with enhanced photocatalytic activity. <i>RSC Advances</i> , 2014 , 4, 82-90	3.7	159
353	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
352	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
351	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
350	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
349	Ultrathin two-dimensional materials for photo- and electrocatalytic hydrogen evolution. <i>Materials Today</i> , 2018 , 21, 749-770	21.8	147
348	Nature-based catalyst for visible-light-driven photocatalytic CO ₂ reduction. <i>Energy and Environmental Science</i> , 2018 , 11, 2382-2389	35.4	145
347	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
346	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
345	Freestanding atomically-thin two-dimensional materials beyond graphene meeting photocatalysis: Opportunities and challenges. <i>Nano Energy</i> , 2017 , 35, 79-91	17.1	142
344	Synthesis and characterization of CeO ₂ /g-C ₃ N ₄ composites with enhanced visible-light photocatalytic activity. <i>RSC Advances</i> , 2013 , 3, 22269	3.7	136
343	Deep oxidative desulfurization of fuels in redox ionic liquids based on iron chloride. <i>Green Chemistry</i> , 2009 , 11, 810	10	136

342	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
341	Construction of core-shell heterojunction regulating γ -Fe ₂ O ₃ layer on CeO ₂ nanotube arrays enables highly efficient Z-scheme photoelectrocatalysis. <i>Applied Catalysis B: Environmental</i> , 2020 , 276, 119138	21.8	131
340	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
339	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
338	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
337	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
336	Synthesis of g-C ₃ N ₄ at different temperatures for superior visible/UV photocatalytic performance and photoelectrochemical sensing of MB solution. <i>RSC Advances</i> , 2015 , 5, 101552-101562	3.7	105
335	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
334	Deep oxidative desulfurization of fuels by Fenton-like reagent in ionic liquids. <i>Green Chemistry</i> , 2009 , 11, 1801	10	104
333	Recent Progress of Carbon-Supported Single-Atom Catalysts for Energy Conversion and Storage. <i>Matter</i> , 2020 , 3, 1442-1476	12.7	103
332	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
331	Catalytic oxidative desulfurization with a hexatungstate/aqueous H ₂ O ₂ /ionic liquid emulsion system. <i>Green Chemistry</i> , 2011 , 13, 1210	10	100
330	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
329	Emerging surface strategies on graphitic carbon nitride for solar driven water splitting. <i>Chemical Engineering Journal</i> , 2020 , 382, 122812	14.7	97
328	Phosphotungstic Acid Immobilized on Ionic Liquid-Modified SBA-15: Efficient Hydrophobic Heterogeneous Catalyst for Oxidative Desulfurization in Fuel. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 19895-19904	3.9	96
327	Deep Oxidative Desulfurization of Fuel Oils Catalyzed by Decatungstates in the Ionic Liquid of [Bmim]PF ₆ . <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 9034-9039	3.9	95
326	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
325	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

324	A sensitive signal-on photoelectrochemical sensor for tetracycline determination using visible-light-driven flower-like CN/BiOBr composites. <i>Biosensors and Bioelectronics</i> , 2018 , 111, 74-81	11.8	87
323	Hierarchical Sandwich-Like Structure of Ultrafine N-Rich Porous Carbon Nanospheres Grown on Graphene Sheets as Superior Lithium-Ion Battery Anodes. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 10324-33	9.5	87
322	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
321	Controllable Synthesis of Atomically Thin Type-II Weyl Semimetal WTe Nanosheets: An Advanced Electrode Material for All-Solid-State Flexible Supercapacitors. <i>Advanced Materials</i> , 2017 , 29, 1701909	24	81
320	Defect engineering in atomically-thin bismuth oxychloride towards photocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14144-14151	13	81
319	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
318	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
317	Bismuth Vacancy-Tuned Bismuth Oxybromide Ultrathin Nanosheets toward Photocatalytic CO Reduction. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 30786-30792	9.5	79
316	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
315	Enhanced Photocatalytic Activity of Ag ₃ VO ₄ Loaded with Rare-Earth Elements under Visible-Light Irradiation. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 10771-10778	3.9	77
314	Fenton-like ionic liquids/H ₂ O ₂ system: one-pot extraction combined with oxidation desulfurization of fuel. <i>RSC Advances</i> , 2012 , 2, 658-664	3.7	75
313	A plasmonic photocatalyst of Ag/AgBr nanoparticles coupled with g-C ₃ N ₄ with enhanced visible-light photocatalytic ability. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 436, 474-483	5.1	74
312	Improved visible light photocatalytic properties of Fe/BiOCl microspheres synthesized via self-doped reactable ionic liquids. <i>CrystEngComm</i> , 2013 , 15, 10132	3.3	74
311	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
310	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
309	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
308	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, 555-566	8.2	68
307	Ultrathin structured photocatalysts: A versatile platform for CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2019 , 256, 117788	21.8	67

306	Metal-Oxide-Mediated Subtractive Manufacturing of Two-Dimensional Carbon Nitride for High-Efficiency and High-Yield Photocatalytic H Evolution. <i>ACS Nano</i> , 2019 , 13, 11294-11302	16.7	66
305	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
304	Synthesis and characterization of g-C ₃ N ₄ /Ag ₂ CO ₃ with enhanced visible-light photocatalytic activity for the degradation of organic pollutants. <i>RSC Advances</i> , 2014 , 4, 34539	3.7	64
303	Synthesis of Ionic-Liquid-Based Deep Eutectic Solvents for Extractive Desulfurization of Fuel. <i>Energy & Fuels</i> , 2016 , 30, 8164-8170	4.1	62
302	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
301	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
300	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
299	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
298	Vibrational analysis and formation mechanism of typical deep eutectic solvents: An experimental and theoretical study. <i>Journal of Molecular Graphics and Modelling</i> , 2016 , 68, 158-175	2.8	60
297	Reversible Formation of g-C ₃ N ₄ 3D Hydrogels through Ionic Liquid Activation: Gelation Behavior and Room-Temperature Gas-Sensing Properties. <i>Advanced Functional Materials</i> , 2017 , 27, 1700653	15.6	59
296	Synthesis and photocatalytic activity of a bentonite/g-C ₃ N ₄ composite. <i>RSC Advances</i> , 2014 , 4, 11831	3.7	59
295	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
294	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
293	Ultrathin g-CN with enriched surface carbon vacancies enables highly efficient photocatalytic nitrogen fixation. <i>Journal of Colloid and Interface Science</i> , 2019 , 553, 530-539	9.3	57
292	Solvothermal synthesis and enhanced visible-light photocatalytic decontamination of bisphenol A (BPA) by g-C ₃ N ₄ /BiOBr heterojunctions. <i>Materials Science in Semiconductor Processing</i> , 2014 , 24, 96-103	4.3	57
291	Achieving Ultrahigh Capacity with Self-Assembled Ni(OH) ₂ Nanosheet-Decorated Hierarchical Flower-like MnCoO Nanoneedles as Advanced Electrodes of Battery-Supercapacitor Hybrid Devices. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9984-9993	9.5	57
290	Multiple Active Sites of Carbon for High-Rate Surface-Capacitive Sodium-Ion Storage. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13584-13589	16.4	56
289	Freestanding ultrathin bismuth-based materials for diversified photocatalytic applications. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 25203-25226	13	56

288	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
287	Magnetically controlled fluorescence aptasensor for simultaneous determination of ochratoxin A and aflatoxin B1. <i>Analytica Chimica Acta</i> , 2018 , 1019, 119-127	6.6	55
286	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
285	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
284	Non-metal photocatalyst nitrogen-doped carbon nanotubes modified mpg-C(3)N(4):facile synthesis and the enhanced visible-light photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2017 , 494, 38-46	9.3	53
283	Non-covalent modification of graphene oxide nanocomposites with chitosan/dextran and its application in drug delivery. <i>RSC Advances</i> , 2016 , 6, 9328-9337	3.7	52
282	Ionic liquid-assisted synthesis and improved photocatalytic activity of p-n junction g-C ₃ N ₄ /BiOCl. <i>Journal of Materials Science</i> , 2016 , 51, 4769-4777	4.3	52
281	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
280	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
279	Immobilized fenton-like ionic liquid: Catalytic performance for oxidative desulfurization. <i>AIChE Journal</i> , 2013 , 59, 4696-4704	3.6	51
278	Efficient Synthesis of 1-Acetylpyrene Using [Bmim]Cl/FeCl ₃ Ionic Liquid as Dual Catalyst and Solvent. <i>International Journal of Chemical Reactor Engineering</i> , 2013 , 11, 1-7	1.2	51
277	Construction of SnO ₂ /graphene-like g-C ₃ N ₄ with enhanced visible light photocatalytic activity. <i>RSC Advances</i> , 2017 , 7, 36101-36111	3.7	51
276	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
275	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
274	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
273	Ionic liquid-induced double regulation of carbon quantum dots modified bismuth oxychloride/bismuth oxybromide nanosheets with enhanced visible-light photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2018 , 519, 263-272	9.3	49
272	Photocatalytic oxidative desulfurization of dibenzothiophene catalyzed by amorphous TiO ₂ in ionic liquid. <i>Korean Journal of Chemical Engineering</i> , 2014 , 31, 211-217	2.8	49
271	Tailoring N-Terminated Defective Edges of Porous Boron Nitride for Enhanced Aerobic Catalysis. <i>Small</i> , 2017 , 13, 1701857	11	48

270	Microwave-assisted synthesis of few-layered MoS ₂ /BiOBr hollow microspheres with superior visible-light-response photocatalytic activity for ciprofloxacin removal. <i>CrystEngComm</i> , 2015 , 17, 3645-3651	3.3	48
269	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
268	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
267	Graphene-like boron nitride modified bismuth phosphate materials for boosting photocatalytic degradation of enrofloxacin. <i>Journal of Colloid and Interface Science</i> , 2017 , 492, 51-60	9.3	47
266	High yield synthesis of nano-size g-C ₃ N ₄ derivatives by a dissolve-regrowth method with enhanced photocatalytic ability. <i>RSC Advances</i> , 2015 , 5, 26281-26290	3.7	47
265	Highly efficient phenothiazine 5,5-dioxide-based hole transport materials for planar perovskite solar cells with a PCE exceeding 20%. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 9510-9516	13	46
264	Hydrophobic mesoporous silica-supported heteropolyacid induced by ionic liquid as a high efficiency catalyst for the oxidative desulfurization of fuel. <i>RSC Advances</i> , 2015 , 5, 16847-16855	3.7	46
263	Magnetically separable Fe ₂ O ₃ /g-C ₃ N ₄ catalyst with enhanced photocatalytic activity. <i>RSC Advances</i> , 2015 , 5, 95727-95735	3.7	45
262	Graphene-Analogues Boron Nitride Nanosheets Confining Ionic Liquids: A High-Performance Quasi-Liquid Solid Electrolyte. <i>Small</i> , 2016 , 12, 3535-42	11	45
261	Magnetically Separable Fe ₃ O ₄ Nanoparticles-Decorated Reduced Graphene Oxide Nanocomposite for Catalytic Wet Hydrogen Peroxide Oxidation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013 , 23, 907-916	3.2	45
260	Cobalt nitride as a novel cocatalyst to boost photocatalytic CO ₂ reduction. <i>Nano Energy</i> , 2021 , 79, 105429	7.1	45
259	A multidimensional In ₂ S ₃ /In ₂ S ₂ heterostructure for photocatalytic carbon dioxide reduction. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 3163-3169	6.8	45
258	MnCo ₂ S ₄ /FeCo ₂ S ₄ bilipolarrays on a hollow N-doped carbon skeleton as flexible electrodes for hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20778-20789	13	44
257	Graphitic Carbon Nitride Nanorods for Photoelectrochemical Sensing of Trace Copper(II) Ions. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 3665-3673	2.3	44
256	Synthesis and photocatalytic activity of g-C ₃ N ₄ /BiOI/BiOBr ternary composites. <i>RSC Advances</i> , 2016 , 6, 41204-41213	3.7	42
255	Enhanced long-wavelength light utilization with polyaniline/bismuth-rich bismuth oxyhalide composite towards photocatalytic degradation of antibiotics. <i>Journal of Colloid and Interface Science</i> , 2019 , 537, 101-111	9.3	42
254	Ionic liquid-assisted bidirectional regulation strategy for carbon quantum dots (CQDs)/Bi ₄ O ₅ I ₂ nanomaterials and enhanced photocatalytic properties. <i>Journal of Colloid and Interface Science</i> , 2016 , 478, 324-33	9.3	41
253	Ion-exchange preparation for visible-light-driven photocatalyst AgBr/Ag ₂ CO ₃ and its photocatalytic activity. <i>RSC Advances</i> , 2014 , 4, 9139	3.7	41

252	Macroporous polystyrene resins as adsorbents for the removal of tetracycline antibiotics from an aquatic environment. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	41
251	Low-crystalline mesoporous CoFe ₂ O ₄ /C composite with oxygen vacancies for high energy density asymmetric supercapacitors. <i>RSC Advances</i> , 2017 , 7, 55513-55522	3.7	41
250	An All-Organic D-A System for Visible-Light-Driven Overall Water Splitting. <i>Small</i> , 2020 , 16, e2003914	11	41
249	Graphene quantum dots modified flower like BiWO ₄ for enhanced photocatalytic nitrogen fixation. <i>Journal of Colloid and Interface Science</i> , 2019 , 557, 498-505	9.3	40
248	Supported ionic liquid [Bmim]FeCl ₄ /Am TiO ₂ as an efficient catalyst for the catalytic oxidative desulfurization of fuels. <i>RSC Advances</i> , 2015 , 5, 43528-43536	3.7	40
247	Polyoxometalate-Based Poly(ionic liquid) as a Precursor for Superhydrophobic Magnetic Carbon Composite Catalysts toward Aerobic Oxidative Desulfurization. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 15755-15761	8.3	40
246	Ionic liquid-assisted strategy for bismuth-rich bismuth oxybromides nanosheets with superior visible light-driven photocatalytic removal of bisphenol-A. <i>Journal of Colloid and Interface Science</i> , 2016 , 473, 112-9	9.3	40
245	Metal-free boron nitride adsorbent for ultra-deep desulfurization. <i>AIChE Journal</i> , 2017 , 63, 3463-3469	3.6	39
244	Atomically Thin 2D Multinary Nanosheets for Energy-Related Photo, Electrocatalysis. <i>Advanced Science</i> , 2018 , 5, 1800244	13.6	39
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