Cheng Yan

List of Publications by Year in Descending Order

377 papers	18,170 citations	69 h-index	117 g-index
390 ext. papers	22,227 ext. citations	7.4 avg, IF	7.19 L-index

#	Paper	IF	Citations
377	Interfacial chemical bond modulated Bi19S27Br3/g-C3N4 Z-scheme heterojunction for enhanced photocatalytic CO2 conversion. *Applied Catalysis B: Environmental*, **2022**, 307, 121162	21.8	8
376	Construction of single-atom catalysts for electro-, photo- and photoelectro-catalytic applications: State-of-the-art, opportunities, and challenges. *Materials Today*, **2022**,	21.8	5
375	Ionic liquid-induced preparation of novel CNTs/PbBiO2Cl nanosheet photocatalyst with boosted photocatalytic activity for the removal of organic contaminants. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2022**, 634, 127894	5.1	1
374	Mo-O-Bi Bonds as interfacial electron transport bridges to fuel CO2 photoreduction via in-situ reconstruction of black Bi2MoO6/BiO2-x heterojunction. *Chemical Engineering Journal*, **2022**, 429, 132204	14.7	16
373	Porous silver microrods by plasma vulcanization activation for enhanced electrocatalytic carbon dioxide reduction. *Journal of Colloid and Interface Science*, **2022**, 606, 793-799	9.3	8
372	Anchoring Copper Single Atoms on Porous Boron Nitride Nanofiber to Boost Selective Reduction of Nitroaromatics.. *ACS Nano*, **2022**,	16.7	5
371	Orientated dominating charge separation via crystal facet homojunction inserted into BiOBr for solar-driven CO2 conversion. *Journal of CO2 Utilization*, **2022**, 59, 101957	7.6	0
370	Synergy between plasmonic and sites on gold nanoparticle-modified bismuth-rich bismuth oxybromide nanotubes for the efficient photocatalytic CC coupling synthesis of ethane.. *Journal of Colloid and Interface Science*, **2022**, 616, 649-658	9.3	1
369	Branch-Regulated Palladium-Antimony Nanoparticles Boost Ethanol Electro-oxidation to Acetate.. *Inorganic Chemistry*, **2022**,	5.1	2
368	Electronic state tuning over Mo-doped W18O49 ultrathin nanowires with enhanced molecular oxygen activation for desulfurization. *Separation and Purification Technology*, **2022**, 294, 121167	8.3	1
367	Oxygen vacancies mediated BiOCl ultrathin nanobelts: Boosting molecular oxygen activation for efficient organic pollutants degradation. *Journal of Colloid and Interface Science*, **2021**, 609, 23-32	9.3	3
366	Positively charged silver improve carbon dioxide electroreduction reaction performance by introducing phosphate. *Journal of Colloid and Interface Science*, **2021**, 609, 65-74	9.3	0
365	Dual modulation steering electron reducibility and transfer of bismuth molybdate nanoparticle to boost carbon dioxide photoreduction to carbon monoxide. *Journal of Colloid and Interface Science*, **2021**, 610, 518-518	9.3	1
364	Ultrathin structure of oxygen doped carbon nitride for efficient CO2 photocatalytic reduction. *Nanotechnology*, **2021**,	3.4	1
363	Edge-Site-Rich Ordered Macroporous BiOCl Triggers C?O Activation for Efficient CO Photoreduction. *Small*, **2021**, e2105228	11	2
362	Self-assembly and boosted photodegradation properties of perylene diimide via different solvents. *New Journal of Chemistry*, **2021**, 45, 21701-21707	3.6	1
361	Nanostructure and functional group engineering of black phosphorus via plasma treatment for CO2 photoreduction. *Journal of CO2 Utilization*, **2021**, 54, 101745	7.6	2

360	Surface Engineering of 2D Carbon Nitride with Cobalt Sulfide Cocatalyst for Enhanced Photocatalytic Hydrogen Evolution. *Physica Status Solidi (A) Applications and Materials Science*, **2021**, 218, 2100012	1.6	2
359	Amorphous Bimetallic Phosphate–Carbon Precatalyst with Deep Self-Reconstruction toward Efficient Oxygen Evolution Reaction and Zn–Air Batteries. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 5345-5355	8.3	5
358	High-performance adsorptive desulfurization by ternary hybrid boron carbon nitride aerogel. *AICHE Journal*, **2021**, 67, e17280	3.6	20
357	Minireview on the Commonly Applied Copper-Based Electrocatalysts for Electrochemical CO2 Reduction. *Energy & Fuels*, **2021**, 35, 8585-8601	4.1	5
356	Ionic Liquid-Assisted Synthesis of Ag3PO4 Spheres for Boosting Photodegradation Activity under Visible Light. *Catalysts*, **2021**, 11, 788	4	2
355	An efficient broad spectrum-driven carbon and oxygen co-doped g-CN for the photodegradation of endocrine disrupting: Mechanism, degradation pathway, DFT calculation and toluene selective oxidation. *Journal of Hazardous Materials*, **2021**, 401, 123309	12.8	17
354	Single-metal-atom catalysts: An emerging platform for electrocatalytic oxygen reduction. *Chemical Engineering Journal*, **2021**, 406, 127135	14.7	39
353	A Janus cobalt nanoparticles and molybdenum carbide decorated N-doped carbon for high-performance overall water splitting. *Journal of Colloid and Interface Science*, **2021**, 583, 614-625	9.3	17
352	Cobalt nitride as a novel cocatalyst to boost photocatalytic CO2 reduction. *Nano Energy*, **2021**, 79, 105429	17.1	45
351	Oxygen Vacancies Engineering–Mediated BiOBr Atomic Layers for Boosting Visible Light-Driven Photocatalytic CO2 Reduction. *Solar Rrl*, **2021**, 5, 2000480	7.1	17
350	Novel ionic liquid modified carbon nitride fabricated by in situ pyrolysis of 1-butyl-3-methylimidazolium cyanamide to improve electronic structure for efficiently degradation of bisphenol A. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 610, 125648	5.1	2
349	Interface engineering in low-dimensional bismuth-based materials for photoreduction reactions. *Journal of Materials Chemistry A*, **2021**, 9, 2662-2677	13	18
348	Carbonized polymer dots modified ultrathin Bi12O17Cl2 nanosheets Z-scheme heterojunction for robust CO2 photoreduction. *Chemical Engineering Science*, **2021**, 232, 116338	4.4	14
347	Realizing the synergistic effect of electronic modulation over graphitic carbon nitride for highly efficient photodegradation of bisphenol A and 2-mercaptobenzothiazole: Mechanism, degradation pathway and density functional theory calculation. *Journal of Colloid and Interface Science*, **2021**, 583, 413-427	9.3	9
346	Aerobic Oxidative Desulfurization by Nanoporous Tungsten Oxide with Oxygen Defects. *ACS Applied Nano Materials*, **2021**, 4, 1085-1093	5.6	14
345	In situ preparation of Bi2O3/(BiO)2CO3 composite photocatalyst with enhanced visible-light photocatalytic activity. *Research on Chemical Intermediates*, **2021**, 47, 1601-1613	2.8	2
344	Plasma-induced black bismuth tungstate as a photon harvester for photocatalytic carbon dioxide conversion. *New Journal of Chemistry*, **2021**, 45, 1993-2000	3.6	3
343	Engineering Highly Dispersed Pt Species by Defects for Boosting the Reactive Desulfurization Performance. *Industrial & Engineering Chemistry Research*, **2021**, 60, 2828-2837	3.9	4

342	Constructing Ni3C/2D g-C3N4 Photocatalyst and the Internal Catalytic Mechanism Study. *Physica Status Solidi (A) Applications and Materials Science*, **2021**, 218, 2100171	1.6	
341	The novel photo-Fenton-like few-layer MoS2/FeVO4 composite for improved degradation activity under visible light irradiation. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 623, 126721	5.1	7
340	Unique Dual-Sites Boosting Overall CO Photoconversion by Hierarchical Electron Harvesters. *Small*, **2021**, 17, e2103796	11	17
339	Cerium Oxysulfide with O-Ce-S Bindings for Efficient Adsorption and Conversion of Lithium Polysulfide in Li-S Batteries. *Inorganic Chemistry*, **2021**, 60, 12847-12854	5.1	3
338	Accelerated Photoreduction of CO to CO over a Stable Heterostructure with a Seamless Interface. *ACS Applied Materials & Interfaces*, **2021**, 13, 39523-39532	9.5	12
337	Highly dispersed tungsten-based quantum dots confined in porous channel induced by ionic liquid with remarkable desulfurization behavior. *Separation and Purification Technology*, **2021**, 119676	8.3	0
336	Construction of oxygen vacancy assisted Z-scheme BiO/BiOBr heterojunction for LED light pollutants degradation and bacteria inactivation. *Journal of Colloid and Interface Science*, **2021**, 600, 344-357	9.3	9
335	Oxygen vacancies in Bi2Sn2O7 quantum dots to trigger efficient photocatalytic nitrogen reduction. *Applied Catalysis B: Environmental*, **2021**, 299, 120680	21.8	9
334	Facile Construction of Magnetic Ionic Liquid Supported Silica for Aerobic Oxidative Desulfurization in Fuel. *Catalysts*, **2021**, 11, 1496	4	
333	Solar driven high efficiency hydrogen evolution catalyzed by surface engineered ultrathin carbon nitride. *New Journal of Chemistry*, **2020**, 44, 19314-19322	3.6	0
332	Recent Progress of Carbon-Supported Single-Atom Catalysts for Energy Conversion and Storage. *Matter*, **2020**, 3, 1442-1476	12.7	103
331	Self-templated formation of (NiCo)S yolk-shelled spheres for high-performance hybrid supercapacitors. *Nanoscale*, **2020**, 12, 23497-23505	7.7	8
330	Construction of NH2-MIL-125(Ti) nanoplates modified Bi2WO6 microspheres with boosted visible-light photocatalytic activity. *Research on Chemical Intermediates*, **2020**, 46, 3311-3326	2.8	7
329	Construction of NH2-MIL-125(Ti)/Bi2WO6 composites with accelerated charge separation for degradation of organic contaminants under visible light irradiation. *Green Energy and Environment*, **2020**, 5, 203-213	5.7	22
328	Amorphous TiO2-Derived Large-Capacity Lithium Ion Sieve for Lithium Recovery. *Chemical Engineering and Technology*, **2020**, 43, 1784-1791	2	17
327	Revealing the role of oxygen vacancies in bimetallic PbBiO2Br atomic layers for boosting photocatalytic CO2 conversion. *Applied Catalysis B: Environmental*, **2020**, 277, 119170	21.8	36
326	Strong electronic coupled FeNi3/Fe2(MoO4)3 nanohybrids for enhancing the electrocatalytic activity for the oxygen evolution reaction. *Inorganic Chemistry Frontiers*, **2020**, 7, 2791-2798	6.8	0
325	Graphene Oxide-Loaded SnO2 Quantum Wires with Sub-4 Nanometer Diameters for Low-Temperature H2S Gas Sensing. *ACS Applied Nano Materials*, **2020**, 3, 6385-6393	5.6	14

324	Harnessing strong metal-support interactions via a reverse route. *Nature Communications*, **2020**, 11, 3042	17.4	33
323	Oxygen-Defective TiNb2O7-x Nanochains with Enlarged Lattice Spacing for High-Rate Lithium Ion Capacitor. *Advanced Materials Interfaces*, **2020**, 7, 2000705	4.6	16
322	High-performance mesoporous FeO sphere/graphene aerogel composites towards enhanced lithium storage. *Nanotechnology*, **2020**, 31, 265405	3.4	1
321	Graphene-like BN@SiO nanocomposites as efficient sorbents for solid-phase extraction of Rhodamine B and Rhodamine 6G from food samples. *Food Chemistry*, **2020**, 320, 126666	8.5	23
320	Charge steering in ultrathin 2D nanomaterials for photocatalysis. *Journal of Materials Chemistry A*, **2020**, 8, 12928-12950	13	27
319	Mechanical exfoliation of boron carbide: A metal-free catalyst for aerobic oxidative desulfurization in fuel. *Journal of Hazardous Materials*, **2020**, 391, 122183	12.8	23
318	Porous defective carbon nitride obtained by a universal method for photocatalytic hydrogen production from water splitting. *Journal of Colloid and Interface Science*, **2020**, 566, 171-182	9.3	22
317	Mechanistic Insight into Energy-Transfer Dynamics and Color Tunability of Na CaSi O :Tb ,Eu for Warm White LEDs. *Chemistry - A European Journal*, **2020**, 26, 5619-5628	4.8	10
316	Accelerating the Hole Mobility of Graphitic Carbon Nitride for Photocatalytic Hydrogen Evolution via 2D/2D Heterojunction Structural Advantages and Ni(OH)2 Characteristic. *Solar Rrl*, **2020**, 4, 1900538	7.1	17
315	Atomic-Layered V2O5 Nanosheets Obtained via Fast Gas-Driven Exfoliation for Superior Aerobic Oxidative Desulfurization. *Energy & Fuels*, **2020**, 34, 2612-2616	4.1	17
314	Ionic liquid induced mechanochemical synthesis of BiOBr ultrathin nanosheets at ambient temperature with superior visible-light-driven photocatalysis. *Journal of Colloid and Interface Science*, **2020**, 574, 131-139	9.3	21
313	Construction of core-shell heterojunction regulating Fe2O3 layer on CeO2 nanotube arrays enables highly efficient Z-scheme photoelectrocatalysis. *Applied Catalysis B: Environmental*, **2020**, 276, 119138	21.8	131
312	Unraveling the mechanism of CO capture and separation by porous liquids.. *RSC Advances*, **2020**, 10, 42706-42717	3.9	17
311	Confined active species and effective charge separation in Bi4O5I2 ultrathin hollow nanotube with increased photocatalytic activity. *Applied Catalysis B: Environmental*, **2020**, 268, 118403	21.8	48
310	In-situ preparation of MIL-125(Ti)/Bi2WO6 photocatalyst with accelerating charge carriers for the photodegradation of tetracycline hydrochloride. *Journal of Photochemistry and Photobiology A: Chemistry*, **2020**, 387, 112149	4.7	23
309	Macroscopic 3D boron nitride monolith for efficient adsorptive desulfurization. *Fuel*, **2020**, 261, 116448	7.1	18
308	Selenium-rich nickel cobalt bimetallic selenides with core-shell architecture enable superior hybrid energy storage devices. *Nanoscale*, **2020**, 12, 4040-4050	7.7	29
307	Plasma treated Bi2WO6 ultrathin nanosheets with oxygen vacancies for improved photocatalytic CO2 reduction. *Inorganic Chemistry Frontiers*, **2020**, 7, 597-602	6.8	38

306	Novel Z-scheme heterogeneous photo-Fenton-like g-C3N4/FeOCl for the pollutants degradation under visible light irradiation. *Journal of Photochemistry and Photobiology A: Chemistry*, **2020**, 391, 112345	4.7	32
305	Few Layer g-C3N4 Dispersed Quaternary Phosphonium Ionic Liquid for Highly Efficient Catalytic Oxidative Desulfurization of Fuel. *Energy & Fuels*, **2020**, 34, 12379-12387	4.1	13
304	Strain-Engineering of Bi12O17Br2 Nanotubes for Boosting Photocatalytic CO2 Reduction **2020**, 2, 1025-1032		38
303	Plasma-induced defect engineering: Boosted the reverse water gas shift reaction performance with electron trap. *Journal of Colloid and Interface Science*, **2020**, 580, 814-821	9.3	14
302	Atomic-level active sites steering in ultrathin photocatalysts to trigger high efficiency nitrogen fixation. *Chemical Engineering Journal*, **2020**, 402, 126208	14.7	16
301	An All-Organic D-A System for Visible-Light-Driven Overall Water Splitting. *Small*, **2020**, 16, e2003914	11	41
300	The interaction nature between hollow silica-based porous ionic liquids and CO: A DFT study. *Journal of Molecular Graphics and Modelling*, **2020**, 100, 107694	2.8	9
299	Assessing the Maximum Power and Consistency of Carbon Supercapacitors Through a Facile Practical Strategy. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 12430-12436	8.3	1
298	Theoretical prediction of F-doped hexagonal boron nitride: A promising strategy to enhance the capacity of adsorptive desulfurization. *Journal of Molecular Graphics and Modelling*, **2020**, 101, 107715	2.8	4
297	Dispersing TiO2 Nanoparticles on Graphite Carbon for an Enhanced Catalytic Oxidative Desulfurization Performance. *Industrial & Engineering Chemistry Research*, **2020**, 59, 18471-18479	3.9	24
296	Constructing a CeO2@CoFe-layered double hydroxide heterostructure as an improved electrocatalyst for highly efficient water oxidation. *Inorganic Chemistry Frontiers*, **2020**, 7, 4461-4468	6.8	12
295	Bismuth-rich bismuth oxyhalides: a new opportunity to trigger high-efficiency photocatalysis. *Journal of Materials Chemistry A*, **2020**, 8, 21434-21454	13	32
294	Metal Nanoparticles Confined within an Inorganic-Organic Framework Enable Superior Substrate-Selective Catalysis. *ACS Applied Materials & Interfaces*, **2020**, 12, 42739-42748	9.5	8
293	Bipolar Organic Material Assisted Surface and Boundary Defects Passivation for Highly Efficient MAPbI3-Based Inverted Perovskite Solar Cells. *Solar Rrl*, **2020**, 4, 2000369	7.1	4
292	Space-Confined Yolk-Shell Construction of Fe3O4 Nanoparticles Inside N-Doped Hollow Mesoporous Carbon Spheres as Bifunctional Electrocatalysts for Long-Term Rechargeable Zinc–Air Batteries. *Advanced Functional Materials*, **2020**, 30, 2005834	15.6	51
291	Emerging surface strategies on graphitic carbon nitride for solar driven water splitting. *Chemical Engineering Journal*, **2020**, 382, 122812	14.7	97
290	In situ construction efficient visible-light-driven three-dimensional Polypyrrole/ZnInS nanoflower to systematically explore the photoreduction of Cr(VI): Performance, factors and mechanism. *Journal of Hazardous Materials*, **2020**, 384, 121480	12.8	39
289	The electronic structure and physicochemical property of boron nitridene. *Journal of Molecular Graphics and Modelling*, **2020**, 94, 107475	2.8	1

288	Short-time Thermal Oxidation of Ultrathin and Broadband Carbon Nitride for Efficient Photocatalytic H2 Generation. *ChemCatChem*, **2020**, 12, 1169-1176	5.2	2
287	Construction of ultrathin MoS/BiOI composites: Effective charge separation and increased photocatalytic activity. *Journal of Colloid and Interface Science*, **2020**, 560, 475-484	9.3	20
286	Nitrogen-rich graphitic carbon nitride nanotubes for photocatalytic hydrogen evolution with simultaneous contaminant degradation. *Journal of Colloid and Interface Science*, **2020**, 560, 555-564	9.3	21
285	Manganese-Modulated Cobalt-Based Layered Double Hydroxide Grown on Nickel Foam with 1D-2D-3D Heterostructure for Highly Efficient Oxygen Evolution Reaction and Urea Oxidation Reaction. *Chemistry - A European Journal*, **2020**, 26, 9382-9388	4.8	11
284	A novel carbon quantum dots (CQDs) modified Cs4PW11O39Fe(III)(H2O) material to achieve high photocatalytic property. *Functional Materials Letters*, **2020**, 13, 2051022	1.2	5
283	Novel broad-spectrum-driven oxygen-linked band and porous defect co-modified orange carbon nitride for photodegradation of Bisphenol A and 2-Mercaptobenzothiazole. *Journal of Hazardous Materials*, **2020**, 396, 122659	12.8	11
282	One-step Mechanical Synthesis of Oxygen-defect Modified Ultrathin Bi12O17Br2 Nanosheets for Boosting Photocatalytic Activity. *ChemistrySelect*, **2020**, 5, 11177-11184	1.8	5
281	Tailoring of crystalline structure of carbon nitride for superior photocatalytic hydrogen evolution. *Journal of Colloid and Interface Science*, **2019**, 556, 324-334	9.3	10
280	Graphene quantum dots modified flower like BiWO for enhanced photocatalytic nitrogen fixation. *Journal of Colloid and Interface Science*, **2019**, 557, 498-505	9.3	40
279	Scalable Synthesis of Micromesoporous Iron-Nitrogen-Doped Carbon as Highly Active and Stable Oxygen Reduction Electrocatalyst. *ACS Applied Materials & Interfaces*, **2019**, 11, 39263-39273	9.5	25
278	Metal-Oxide-Mediated Subtractive Manufacturing of Two-Dimensional Carbon Nitride for High-Efficiency and High-Yield Photocatalytic H Evolution. *ACS Nano*, **2019**, 13, 11294-11302	16.7	66
277	Single Transition Metal Atom-Doped Graphene Supported on a Nickel Substrate: Enhanced Oxygen Reduction Reactions Modulated by Electron Coupling. *Journal of Physical Chemistry C*, **2019**, 123, 3703-3710	3.8	21
276	Rapid synthesis of ultrathin 2D materials through liquid-nitrogen and microwave treatments. *Journal of Materials Chemistry A*, **2019**, 7, 5209-5213	13	60
275	Ultrathin g-CN with enriched surface carbon vacancies enables highly efficient photocatalytic nitrogen fixation. *Journal of Colloid and Interface Science*, **2019**, 553, 530-539	9.3	57
274	Porous NbN/rGO Nanocomposite for Ultrahigh-Energy-Density Lithium-Ion Hybrid Capacitor. *ACS Applied Materials & Interfaces*, **2019**, 11, 24114-24121	9.5	21
273	Promoting Pt catalysis for CO oxidation via the Mott-Schottky effect. *Nanoscale*, **2019**, 11, 18568-18574	7.7	6
272	Construction of 3D Hierarchical GO/MoS2/g-C3N4 Ternary Nanocomposites with Enhanced Visible-Light Photocatalytic Degradation Performance. *ChemistrySelect*, **2019**, 4, 7123-7133	1.8	11
271	Porous nitrogen-rich g-C3N4 nanotubes for efficient photocatalytic CO2 reduction. *Applied Catalysis B: Environmental*, **2019**, 256, 117854	21.8	152

270	Ultrathin structured photocatalysts: A versatile platform for CO2 reduction. *Applied Catalysis B: Environmental*, **2019**, 256, 117788	21.8	67
269	In-situ preparation of iron(II) phthalocyanine modified bismuth oxybromide with enhanced visible-light photocatalytic activity and mechanism insight. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 575, 336-345	5.1	19
268	Metallic cobalt nanoparticles embedded in sulfur and nitrogen co-doped rambutan-like nanocarbons for the oxygen reduction reaction under both acidic and alkaline conditions. *Journal of Materials Chemistry A*, **2019**, 7, 14291-14301	13	21
267	An Fe-doped NiV LDH ultrathin nanosheet as a highly efficient electrocatalyst for efficient water oxidation. *Inorganic Chemistry Frontiers*, **2019**, 6, 1890-1896	6.8	30
266	Boric acid-based ternary deep eutectic solvent for extraction and oxidative desulfurization of diesel fuel. *Green Chemistry*, **2019**, 21, 3074-3080	10	87
265	Defect-Tailoring Mediated Electron-Hole Separation in Single-Unit-Cell Bi O Br Nanosheets for Boosting Photocatalytic Hydrogen Evolution and Nitrogen Fixation. *Advanced Materials*, **2019**, 31, e1807576	24	188
264	Sacrificing ionic liquid-assisted anchoring of carbonized polymer dots on perovskite-like PbBiO2Br for robust CO2 photoreduction. *Applied Catalysis B: Environmental*, **2019**, 254, 551-559	21.8	55
263	Supported phosphotungstic-based ionic liquid as an heterogeneous catalyst used in the extractive coupled catalytic oxidative desulfurization in diesel. *Research on Chemical Intermediates*, **2019**, 45, 4315-4334	2.8	8
262	Few-Layer Boron Nitride with Engineered Nitrogen Vacancies for Promoting Conversion of Polysulfide as a Cathode Matrix for Lithium-Sulfur Batteries. *Chemistry - A European Journal*, **2019**, 25, 8112-8117	4.8	27
261	Highly efficient phenothiazine 5,5-dioxide-based hole transport materials for planar perovskite solar cells with a PCE exceeding 20%. *Journal of Materials Chemistry A*, **2019**, 7, 9510-9516	13	46
260	High-performance electrolytic oxygen evolution with a seamless armor core-shell FeCoNi oxynitride. *Nanoscale*, **2019**, 11, 7239-7246	7.7	21
259	Fe2O3 Nanoparticles Modified 2D N-Doped Porous Graphene-like Carbon as an Efficient and Robust Electrocatalyst for Oxygen Reduction Reaction. *ChemistrySelect*, **2019**, 4, 4131-4139	1.8	6
258	Atomically-thin Bi2MoO6 nanosheets with vacancy pairs for improved photocatalytic CO2 reduction. *Nano Energy*, **2019**, 61, 54-59	17.1	150
257	The construction of a Fenton system to achieve in situ H2O2 generation and decomposition for enhanced photocatalytic performance. *Inorganic Chemistry Frontiers*, **2019**, 6, 1490-1500	6.8	15
256	Fabrication of magnetic BaFe12O19/Ag3PO4 composites with an in situ photo-Fenton-like reaction for enhancing reactive oxygen species under visible light irradiation. *Catalysis Science and Technology*, **2019**, 9, 2563-2570	5.5	19
255	Size-Dependent Activity of Iron-Nickel Oxynitride towards Electrocatalytic Oxygen Evolution. *ChemNanoMat*, **2019**, 5, 883-887	3.5	5
254	Accelerating Photogenerated Charge Kinetics via the Synergetic Utilization of 2D Semiconducting Structural Advantages and Noble-Metal-Free Schottky Junction Effect. *Small*, **2019**, 15, e1804613	11	32
253	MnCo2S4/FeCo2S4 □ollipop□arrays on a hollow N-doped carbon skeleton as flexible electrodes for hybrid supercapacitors. *Journal of Materials Chemistry A*, **2019**, 7, 20778-20789	13	44

252	Ultrathin graphitic carbon nitride modified PbBiO2Cl microspheres with accelerating interfacial charge transfer for the photodegradation of organic contaminants. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 582, 123804	5.1	10
251	Polyoxometalate-Based Poly(ionic liquid) as a Precursor for Superhydrophobic Magnetic Carbon Composite Catalysts toward Aerobic Oxidative Desulfurization. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 15755-15761	8.3	40
250	Synthesis of N,O-Doped Porous Graphene from Petroleum Coke for Deep Oxidative Desulfurization of Fuel. *Energy & Fuels*, **2019**, 33, 8302-8311	4.1	19
249	Multiple Active Sites of Carbon for High-Rate Surface-Capacitive Sodium-Ion Storage. *Angewandte Chemie - International Edition*, **2019**, 58, 13584-13589	16.4	56
248	Multiple Active Sites of Carbon for High-Rate Surface-Capacitive Sodium-Ion Storage. *Angewandte Chemie*, **2019**, 131, 13718-13723	3.6	20
247	Preparation of oxygen-deficient 2D WO3□ nanoplates and their adsorption behaviors for organic pollutants: equilibrium and kinetics modeling. *Journal of Materials Science*, **2019**, 54, 12463-12475	4.3	14
246	Efficient photocatalytic hydrogen evolution mediated by defect-rich 1T-PtS2 atomic layer nanosheet modified mesoporous graphitic carbon nitride. *Journal of Materials Chemistry A*, **2019**, 7, 18906-18914	12	24
245	Bismuth Vacancy-Tuned Bismuth Oxybromide Ultrathin Nanosheets toward Photocatalytic CO Reduction. *ACS Applied Materials & Interfaces*, **2019**, 11, 30786-30792	9.5	79
244	Isolated single atom cobalt in BiOBr atomic layers to trigger efficient CO photoreduction. *Nature Communications*, **2019**, 10, 2840	17.4	177
243	Metal-based ionic liquid assisted synthesis of highly dispersed mesoporous Fe(III)/SiO2 for enhanced adsorption of antibiotics. *Journal of Chemical Technology and Biotechnology*, **2019**, 94, 3815-3824	3.5	6
242	Design of Lewis Acid Centers in Bundlelike Boron Nitride for Boosting Adsorptive Desulfurization Performance. *Industrial & Engineering Chemistry Research*, **2019**, 58, 13303-13312	3.9	23
241	Molybdenum-containing dendritic mesoporous silica spheres for fast oxidative desulfurization in fuel. *Inorganic Chemistry Frontiers*, **2019**, 6, 451-458	6.8	39
240	Controllable synthesis of uniform mesoporous H-Nb2O5/rGO nanocomposites for advanced lithium ion hybrid supercapacitors. *Journal of Materials Chemistry A*, **2019**, 7, 693-703	13	66
239	Construction of cobaltous oxide/nickel□ron oxide electrodes with great cycle stability and high energy density for advanced asymmetry supercapacitor. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 21219-21228	2.1	5
238	Achieving Ultrahigh Capacity with Self-Assembled Ni(OH) Nanosheet-Decorated Hierarchical Flower-like MnCoO Nanoneedles as Advanced Electrodes of Battery-Supercapacitor Hybrid Devices. *ACS Applied Materials & Interfaces*, **2019**, 11, 9984-9993	9.5	57
237	Rambutan-Inspired Yolk-Shell Silica@Carbon Frameworks from Biomass for Long-Life Anode Materials. *ChemistrySelect*, **2019**, 4, 14075-14081	1.8	3
236	Freestanding ultrathin bismuth-based materials for diversified photocatalytic applications. *Journal of Materials Chemistry A*, **2019**, 7, 25203-25226	13	56
235	A composite prepared from BiOBr and gold nanoparticles with electron sink and hot-electron donor properties for photoelectrochemical aptasensing of tetracycline. *Mikrochimica Acta*, **2019**, 186, 794	5.8	15

234	Oxygen vacancies modulated Bi-rich bismuth oxyiodide microspheres with tunable valence band position to boost the photocatalytic activity. *Journal of Colloid and Interface Science*, **2019**, 533, 612-620	9.3	52
233	Magnetic mesoporous nanospheres supported phosphomolybdate-based ionic liquid for aerobic oxidative desulfurization of fuel. *Journal of Colloid and Interface Science*, **2019**, 534, 239-247	9.3	87
232	Immobilizing Highly Catalytically Molybdenum Oxide Nanoparticles on Graphene-Analogous BN: Stable Heterogeneous Catalysts with Enhanced Aerobic Oxidative Desulfurization Performance. *Industrial & Engineering Chemistry Research*, **2019**, 58, 863-871	3.9	37
231	Ni Co O Nanoneedle Arrays Grown on Ni Foam as an Efficient Bifunctional Electrocatalyst for Full Water Splitting. *Chemistry - an Asian Journal*, **2019**, 14, 480-485	4.5	15
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