

# Hua-ming Li

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Aerobic ultra-deep desulfurization of diesel oil triggered by porous carbon supported organic molecular N-hydroxyphthalimide catalyst. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2022</b> , 641, 128455	5.1	0
380	Synthesis of task-specific ternary deep eutectic solvents for deep desulfurization via reactive extraction. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2022</b> , 171, 108754	3.7	0
379	A bubble-assisted strategy to prepare porous ultrathin carbon nitride for highly-active photocatalytic hydrogen production. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 904, 163788	5.7	2
378	Construction of single-atom catalysts for electro-, photo- and photoelectro-catalytic applications: State-of-the-art, opportunities, and challenges. <i>Materials Today</i> , <b>2022</b> ,	21.8	5
377	Ionic liquid-induced preparation of novel CNTs/PbBiO <sub>2</sub> Cl nanosheet photocatalyst with boosted photocatalytic activity for the removal of organic contaminants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2022</b> , 634, 127894	5.1	1
376	Inherent Facet-Dominant effect for cobalt oxide nanosheets to enhance photocatalytic CO <sub>2</sub> reduction. <i>Applied Surface Science</i> , <b>2022</b> , 578, 151848	6.7	3
375	Photocatalytic oxidative of Keggin-type polyoxometalate ionic liquid for enhanced extractive desulfurization in binary deep eutectic solvents. <i>Chinese Journal of Chemical Engineering</i> , <b>2022</b> , 44, 205-211	3.2	1
374	Orientated dominating charge separation via crystal facet homojunction inserted into BiOBr for solar-driven CO <sub>2</sub> conversion. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2022</b> , 59, 101957	7.6	0
373	Multidimensional In <sub>2</sub> O <sub>3</sub> /In <sub>2</sub> S <sub>3</sub> heterojunction with lattice distortion for CO <sub>2</sub> photoconversion. <i>Chinese Journal of Catalysis</i> , <b>2022</b> , 43, 1286-1294	11.3	0
372	VO <sub>2</sub> uniformly supported by 3D g-C <sub>3</sub> N <sub>4</sub> : A highly effective catalyst for deep oxidative desulfurization. <i>Fuel</i> , <b>2022</b> , 319, 123792	7.1	2
371	Electronic state tuning over Mo-doped W <sub>18</sub> O <sub>49</sub> ultrathin nanowires with enhanced molecular oxygen activation for desulfurization. <i>Separation and Purification Technology</i> , <b>2022</b> , 294, 121167	8.3	1
370	Surface-amino-induced boosting solar conversion of CO <sub>2</sub> to CO over natural metal-free catalyst. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2021</b> , 54, 101773	7.6	0
369	Oxygen vacancies mediated BiOCl ultrathin nanobelts: Boosting molecular oxygen activation for efficient organic pollutants degradation. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 609, 23-32	9.3	3
368	Optimizing the microstructure of carbon nano-honeycombs for high-energy sodium-ion capacitor. <i>Electrochimica Acta</i> , <b>2021</b> , 403, 139675	6.7	3
367	Ultrathin structure of oxygen doped carbon nitride for efficient CO <sub>2</sub> photocatalytic reduction. <i>Nanotechnology</i> , <b>2021</b> ,	3.4	1
366	Edge-Site-Rich Ordered Macroporous BiOCl Triggers C <sub>2</sub> O Activation for Efficient CO Photoreduction. <i>Small</i> , <b>2021</b> , e2105228	11	2
365	Unraveling the effects of O-doping into h-BN on the adsorptive desulfurization performance by DFT calculations. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 106463	6.8	3

364	Nanostructure and functional group engineering of black phosphorus via plasma treatment for CO <sub>2</sub> photoreduction. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2021</b> , 54, 101745	7.6	2
363	Metallic rhombohedral NbS <sub>2</sub> /2D g-C <sub>3</sub> N <sub>4</sub> composite with enhanced photogenerated carriers separation and photocatalytic performance. <i>Applied Surface Science</i> , <b>2021</b> , 542, 148619	6.7	8
362	Amorphous Bimetallic Phosphate/Carbon Precatalyst with Deep Self-Reconstruction toward Efficient Oxygen Evolution Reaction and Zn/Air Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 5345-5355	8.3	5
361	High-performance adsorptive desulfurization by ternary hybrid boron carbon nitride aerogel. <i>AIChE Journal</i> , <b>2021</b> , 67, e17280	3.6	20
360	Minireview on the Commonly Applied Copper-Based Electrocatalysts for Electrochemical CO <sub>2</sub> Reduction. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 8585-8601	4.1	5
359	Ultrafast electron extraction by 2D carbon nitride modified with CoS cocatalyst for efficient photocatalytic performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 617, 126151	5.1	4
358	Accelerating photocatalytic hydrogen evolution of Ta <sub>2</sub> O <sub>5</sub> /g-C <sub>3</sub> N <sub>4</sub> via nanostructure engineering and surface assembly. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 20516-20523	6.7	3
357	Dynamically-generated TiO <sub>2</sub> active site on MXene Ti <sub>3</sub> C <sub>2</sub> : Boosting reactive desulfurization. <i>Chemical Engineering Journal</i> , <b>2021</b> , 416, 129022	14.7	17
356	Construction of 2D/2D Z-scheme MnO <sub>2</sub> -x/g-C <sub>3</sub> N <sub>4</sub> photocatalyst for efficient nitrogen fixation to ammonia. <i>Green Energy and Environment</i> , <b>2021</b> , 6, 538-545	5.7	11
355	Synthesis of carbon nitride in moist environments: A defect engineering strategy toward superior photocatalytic hydrogen evolution reaction. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 54, 403-413	12	12
354	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. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 401, 123309	12.8	17
353	Sulfur promoted n- $\pi$ electron transitions in thiophene-doped g-C <sub>3</sub> N <sub>4</sub> for enhanced photocatalytic activity. <i>Chinese Journal of Catalysis</i> , <b>2021</b> , 42, 450-459	11.3	28
352	A Janus cobalt nanoparticles and molybdenum carbide decorated N-doped carbon for high-performance overall water splitting. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 583, 614-625	9.3	17
351	Large-scale production of ultrathin carbon nitride-based photocatalysts for high-yield hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 281, 119475	21.8	37
350	Oxygen Vacancies Engineering-Mediated BiOBr Atomic Layers for Boosting Visible Light-Driven Photocatalytic CO <sub>2</sub> Reduction. <i>Solar Rrl</i> , <b>2021</b> , 5, 2000480	7.1	17
349	Construction 3D rod-like Bi <sub>3.64</sub> Mo <sub>0.36</sub> O <sub>6.55</sub> /CuBi <sub>2</sub> O <sub>4</sub> photocatalyst for enhanced photocatalytic activity via a photo-Fenton-like Cu <sup>2+</sup> /Cu <sup>+</sup> redox cycle. <i>Separation and Purification Technology</i> , <b>2021</b> , 254, 117546	8.3	7
348	Construction of 2D/2D MoS <sub>2</sub> /PbBiO <sub>2</sub> Cl nanosheet photocatalysts with accelerated interfacial charge transfer for boosting visible light photocatalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 609, 125655	5.1	5
347	Interface engineering in low-dimensional bismuth-based materials for photoreduction reactions. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 2662-2677	13	18

346	Carbonized polymer dots modified ultrathin Bi <sub>2</sub> O <sub>3</sub> /Bi <sub>2</sub> Cl <sub>2</sub> nanosheets Z-scheme heterojunction for robust CO <sub>2</sub> photoreduction. <i>Chemical Engineering Science</i> , <b>2021</b> , 232, 116338	4.4	14
345	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. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 583, 113-127	9.3	9
344	In situ XRD and electrochemical investigation on a new intercalation-type anode for high-rate lithium ion capacitor. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 57, 109-117	12	11
343	Pt nanoparticles encapsulated on V <sub>2</sub> O <sub>5</sub> nanosheets carriers as efficient catalysts for promoted aerobic oxidative desulfurization performance. <i>Chinese Journal of Catalysis</i> , <b>2021</b> , 42, 557-562	11.3	29
342	Aerobic Oxidative Desulfurization by Nanoporous Tungsten Oxide with Oxygen Defects. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 1085-1093	5.6	14
341	In situ preparation of Bi <sub>2</sub> O <sub>3</sub> /(BiO) <sub>2</sub> CO <sub>3</sub> composite photocatalyst with enhanced visible-light photocatalytic activity. <i>Research on Chemical Intermediates</i> , <b>2021</b> , 47, 1601-1613	2.8	2
340	Plasma-induced black bismuth tungstate as a photon harvester for photocatalytic carbon dioxide conversion. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 1993-2000	3.6	3
339	Oxygen vacancies boosted the electrochemical kinetics of NbO for superior lithium storage. <i>Chemical Communications</i> , <b>2021</b> , 57, 8182-8185	5.8	6
338	Insight into the oxidative desulfurization of high-sulfur petroleum coke under mild conditions: a journey of vanadium-substituted Dawson-type phosphotungstic acid. <i>Petroleum Science</i> , <b>2021</b> , 18, 983	4.4	1
337	Engineering Highly Dispersed Pt Species by Defects for Boosting the Reactive Desulfurization Performance. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 2828-2837	3.9	4
336	Constructing Ni <sub>3</sub> C/2D g-C <sub>3</sub> N <sub>4</sub> Photocatalyst and the Internal Catalytic Mechanism Study. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2021</b> , 218, 2100171	1.6	
335	In situ Raman spectroscopic study towards the growth and excellent HER catalysis of Ni/Ni(OH) <sub>2</sub> heterostructure. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 26861-26872	6.7	7
334	Binary molten salts mediated defect engineering on hexagonal boron nitride catalyst with long-term stability for aerobic oxidative desulfurization. <i>Applied Surface Science</i> , <b>2021</b> , 558, 149724	6.7	5
333	Unique Dual-Sites Boosting Overall CO Photoconversion by Hierarchical Electron Harvesters. <i>Small</i> , <b>2021</b> , 17, e2103796	11	17
332	Controllable electronic effect via deep eutectic solvents modification for boosted aerobic oxidative desulfurization. <i>Molecular Catalysis</i> , <b>2021</b> , 512, 111757	3.3	0
331	Accelerated Photoreduction of CO to CO over a Stable Heterostructure with a Seamless Interface. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 39523-39532	9.5	12
330	Extractive desulfurization of diesel fuel by amide-based type IV deep eutectic solvents. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 338, 116620	6	5
329	Highly dispersed tungsten-based quantum dots confined in porous channel induced by ionic liquid with remarkable desulfurization behavior. <i>Separation and Purification Technology</i> , <b>2021</b> , 119676	8.3	0

328	Theoretical Insights into CO <sub>2</sub> /N <sub>2</sub> Selectivity of the Porous Ionic Liquids Constructed by Ion-Dipole Interactions. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 344, 117676	6	3
327	Comparative study of halogen-doped (X Cl, Br, I) hexagonal boron nitride: A promising strategy to enhance the capacity of adsorptive desulfurization. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105886	6.8	2
326	Oxygen vacancies in Bi <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> quantum dots to trigger efficient photocatalytic nitrogen reduction. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 299, 120680	21.8	9
325	In situ fabrication of hollow silica confined defective molybdenum oxide for enhanced catalytic oxidative desulfurization of diesel fuels. <i>Fuel</i> , <b>2021</b> , 305, 121470	7.1	13
324	Solar driven high efficiency hydrogen evolution catalyzed by surface engineered ultrathin carbon nitride. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 19314-19322	3.6	0
323	Amorphous TiO <sub>2</sub> -Derived Large-Capacity Lithium Ion Sieve for Lithium Recovery. <i>Chemical Engineering and Technology</i> , <b>2020</b> , 43, 1784-1791	2	17
322	Revealing the role of oxygen vacancies in bimetallic PbBiO <sub>2</sub> Br atomic layers for boosting photocatalytic CO <sub>2</sub> conversion. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 277, 119170	21.8	36
321	High-entropy oxide stabilized molybdenum oxide via high temperature for deep oxidative desulfurization. <i>Applied Materials Today</i> , <b>2020</b> , 20, 100680	6.6	13
320	Strong electronic coupled FeNi <sub>3</sub> /Fe <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> nanohybrids for enhancing the electrocatalytic activity for the oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 2791-2798	6.8	0
319	Fast heterogeneous oxidative desulfurization of dibenzothiophene from ionic liquids supported urchin-like meso-silica. <i>Materials Express</i> , <b>2020</b> , 10, 199-205	1.3	0
318	Direct Z-scheme red carbon nitride/rod-like lanthanum vanadate composites with enhanced photodegradation of antibiotic contaminants. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 277, 119245	21.8	39
317	Graphene Oxide-Loaded SnO <sub>2</sub> Quantum Wires with Sub-4 Nanometer Diameters for Low-Temperature H <sub>2</sub> S Gas Sensing. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 6385-6393	5.6	14
316	Oxygen-Defective TiNb <sub>2</sub> O <sub>7-x</sub> Nanochains with Enlarged Lattice Spacing for High-Rate Lithium Ion Capacitor. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2000705	4.6	16
315	Hexagonal boron nitride: A metal-free catalyst for deep oxidative desulfurization of fuel oils. <i>Green Energy and Environment</i> , <b>2020</b> , 5, 166-172	5.7	52
314	Construction of 2D-2D V <sub>2</sub> O <sub>5</sub> /BNNS nanocomposites for improved aerobic oxidative desulfurization performance. <i>Fuel</i> , <b>2020</b> , 270, 117498	7.1	18
313	Graphene-like BN@SiO nanocomposites as efficient sorbents for solid-phase extraction of Rhodamine B and Rhodamine 6G from food samples. <i>Food Chemistry</i> , <b>2020</b> , 320, 126666	8.5	23
312	Charge steering in ultrathin 2D nanomaterials for photocatalysis. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 12928-12950	13	27
311	Preparation of magnetically recoverable and Z-scheme BaFe <sub>12</sub> O <sub>19</sub> /AgBr composite for degradation of 2-Mercaptobenzothiazole and Methyl orange under visible light. <i>Applied Surface Science</i> , <b>2020</b> , 521, 146343	6.7	8

310	Wafer-scale fabrication of high-purity reduced graphene oxide films as ultrahigh-frequency capacitors with minimal self-discharge. <i>Chemical Engineering Journal</i> , <b>2020</b> , 390, 124560	14.7	10
309	In-situ hydroxyl modification of monolayer black phosphorus for stable photocatalytic carbon dioxide conversion. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 269, 118760	21.8	76
308	In situ confinement growth of peasecod-like N-doped carbon nanotubes encapsulate bimetallic FeCu alloy as a bifunctional oxygen reaction cathode electrocatalyst for sustainable energy batteries. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 826, 154152	5.7	23
307	Cryo-induced closely bonded heterostructure for effective CO <sub>2</sub> conversion: The case of ultrathin BP nanosheets/g-C <sub>3</sub> N <sub>4</sub> . <i>Journal of Energy Chemistry</i> , <b>2020</b> , 49, 89-95	12	30
306	Mechanical exfoliation of boron carbide: A metal-free catalyst for aerobic oxidative desulfurization in fuel. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 391, 122183	12.8	23
305	Synthesis of boron nitride nanosheets with N-defects for efficient tetracycline antibiotics adsorptive removal. <i>Chemical Engineering Journal</i> , <b>2020</b> , 387, 124138	14.7	40
304	Porous defective carbon nitride obtained by a universal method for photocatalytic hydrogen production from water splitting. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 566, 171-182	9.3	22
303	Carbon nitride mediated strong metal-support interactions in a Au/TiO <sub>2</sub> catalyst for aerobic oxidative desulfurization. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 1212-1219	6.8	11
302	Accelerating the Hole Mobility of Graphitic Carbon Nitride for Photocatalytic Hydrogen Evolution via 2D/2D Heterojunction Structural Advantages and Ni(OH) <sub>2</sub> Characteristic. <i>Solar Rrl</i> , <b>2020</b> , 4, 1900538	7.1	17
301	Atomic-Layered Bi <sub>2</sub> O <sub>5</sub> Nanosheets Obtained via Fast Gas-Driven Exfoliation for Superior Aerobic Oxidative Desulfurization. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 2612-2616	4.1	17
300	Boron and Nitride Dual vacancies on Metal-Free Oxygen Doping Boron Nitride as Initiating Sites for Deep Aerobic Oxidative Desulfurization. <i>ChemCatChem</i> , <b>2020</b> , 12, 1734-1742	5.2	19
299	Construction of nitrogen and phosphorus co-doped graphene quantum dots/Bi <sub>5</sub> O <sub>7</sub> I composites for accelerated charge separation and enhanced photocatalytic degradation performance. <i>Chinese Journal of Catalysis</i> , <b>2020</b> , 41, 1230-1239	11.3	13
298	Tuning the electrophilicity of vanadium-substituted polyoxometalate based ionic liquids for high-efficiency aerobic oxidative desulfurization. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 271, 118936	21.8	66
297	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> , <b>2020</b> , 272, 118959	21.8	94
296	Synergistic effect of dual Brønsted acidic deep eutectic solvents for oxidative desulfurization of diesel fuel. <i>Chemical Engineering Journal</i> , <b>2020</b> , 394, 124831	14.7	58
295	Ionic liquid induced mechanochemical synthesis of BiOBr ultrathin nanosheets at ambient temperature with superior visible-light-driven photocatalysis. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 574, 131-139	9.3	21
294	Synthesis of carbon nitride supported amphiphilic phosphotungstic acid based ionic liquid for deep oxidative desulfurization of fuels. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 308, 113059	6	11
293	Tandem Electrodes for Carbon Dioxide Reduction into C <sub>2</sub> + Products at Simultaneously High Production Efficiency and Rate. <i>Cell Reports Physical Science</i> , <b>2020</b> , 1, 100051	6.1	26



292	Crystal phase dependent solar driven hydrogen evolution catalysis over cobalt diselenide. <i>Chemical Engineering Journal</i> , <b>2020</b> , 396, 125244	14.7	23
291	Fabrication of carbon quantum dots/1D MoO <sub>3</sub> -x hybrid junction with enhanced LED light efficiency in photocatalytic inactivation of E. coli and S. aureus. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 836, 155410	5.7	8
290	Unraveling the mechanism of CO capture and separation by porous liquids.. <i>RSC Advances</i> , <b>2020</b> , 10, 42706-42717	9.6	17
289	Confined active species and effective charge separation in Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> ultrathin hollow nanotube with increased photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 268, 118403	21.8	48
288	In-situ preparation of MIL-125(Ti)/Bi <sub>2</sub> WO <sub>6</sub> photocatalyst with accelerating charge carriers for the photodegradation of tetracycline hydrochloride. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2020</b> , 387, 112149	4.7	23
287	Extraction combined catalytic oxidation desulfurization of petcoke in ionic liquid under mild conditions. <i>Fuel</i> , <b>2020</b> , 260, 116200	7.1	15
286	Rapid gas-assisted exfoliation promises V <sub>2</sub> O <sub>5</sub> nanosheets for high performance lithium-sulfur batteries. <i>Nano Energy</i> , <b>2020</b> , 67, 104253	17.1	74
285	Macroscopic 3D boron nitride monolith for efficient adsorptive desulfurization. <i>Fuel</i> , <b>2020</b> , 261, 116448	7.1	18
284	Surface amorphous carbon doping of carbon nitride for efficient acceleration of electron transfer to boost photocatalytic activities. <i>Applied Surface Science</i> , <b>2020</b> , 507, 145145	6.7	11
283	Synergistic Catalysis of the PtCu Alloy on Ultrathin BN Nanosheets for Accelerated Oxidative Desulfurization. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 2032-2039	8.3	10
282	Efficient photocatalytic hydrogen evolution by engineering amino groups into ultrathin 2D graphitic carbon nitride. <i>Applied Surface Science</i> , <b>2020</b> , 507, 145085	6.7	9
281	Plasma treated Bi <sub>2</sub> WO <sub>6</sub> ultrathin nanosheets with oxygen vacancies for improved photocatalytic CO <sub>2</sub> reduction. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 597-602	6.8	38
280	Roselle-like Zn <sub>2</sub> Ti <sub>3</sub> O <sub>8</sub> /rGO nanocomposite as anode for lithium ion capacitor. <i>Chemical Engineering Journal</i> , <b>2020</b> , 385, 123881	14.7	22
279	Nitriding Nickel-Based Cocatalyst: A Strategy To Maneuver Hydrogen Evolution Capacity for Enhanced Photocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 884-892	8.3	20
278	Tailoring Electronic Properties of Porphyrin Manganese on Boron Nitride for Enhancing Aerobic Oxidative Desulfurization at Room Temperature. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 1015-1022	8.3	16
277	Lipophilic decavanadate supported by three-dimensional porous carbon nitride catalyst for aerobic oxidative desulfurization. <i>Molecular Catalysis</i> , <b>2020</b> , 483, 110709	3.3	9
276	Few Layer g-C <sub>3</sub> N <sub>4</sub> Dispersed Quaternary Phosphonium Ionic Liquid for Highly Efficient Catalytic Oxidative Desulfurization of Fuel. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 12379-12387	4.1	13
275	Plasma-induced defect engineering: Boosted the reverse water gas shift reaction performance with electron trap. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 580, 814-821	9.3	14

274	Deep eutectic solvent-induced high-entropy structures in boron nitride for boosted initiation of aerobic oxidative desulfurization of diesel. <i>Applied Surface Science</i> , <b>2020</b> , 529, 146980	6.7	10
273	Atomic-level active sites steering in ultrathin photocatalysts to trigger high efficiency nitrogen fixation. <i>Chemical Engineering Journal</i> , <b>2020</b> , 402, 126208	14.7	16
272	An All-Organic D-A System for Visible-Light-Driven Overall Water Splitting. <i>Small</i> , <b>2020</b> , 16, e2003914	11	41
271	The interaction nature between hollow silica-based porous ionic liquids and CO: A DFT study. <i>Journal of Molecular Graphics and Modelling</i> , <b>2020</b> , 100, 107694	2.8	9
270	Assessing the Maximum Power and Consistency of Carbon Supercapacitors Through a Facile Practical Strategy. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 12430-12436	8.3	1
269	Theoretical prediction of F-doped hexagonal boron nitride: A promising strategy to enhance the capacity of adsorptive desulfurization. <i>Journal of Molecular Graphics and Modelling</i> , <b>2020</b> , 101, 107715	2.8	4
268	Dispersing TiO <sub>2</sub> Nanoparticles on Graphite Carbon for an Enhanced Catalytic Oxidative Desulfurization Performance. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 18471-18479	3.9	24
267	Constructing a CeO <sub>2</sub> @CoFe-layered double hydroxide heterostructure as an improved electrocatalyst for highly efficient water oxidation. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 4461-4468	6.8	12
266	Bismuth-rich bismuth oxyhalides: a new opportunity to trigger high-efficiency photocatalysis. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 21434-21454	13	32
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262	Self-Assembly of Monodispersed Closely Packed Composite Superstructures by Anchoring Nanoparticles into Multihierarchical Frameworks. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 18966-18974	8.3	1
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260	Emerging surface strategies on graphitic carbon nitride for solar driven water splitting. <i>Chemical Engineering Journal</i> , <b>2020</b> , 382, 122812	14.7	97
259	Promoting LED light driven photocatalytic inactivation of bacteria by novel Bi <sub>2</sub> O <sub>3</sub> @BiOBr core/shell photocatalyst. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 816, 152665	5.7	28
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257	Short-time Thermal Oxidation of Ultrathin and Broadband Carbon Nitride for Efficient Photocatalytic H <sub>2</sub> Generation. <i>ChemCatChem</i> , <b>2020</b> , 12, 1169-1176	5.2	2



256	Nitrogen-rich graphitic carbon nitride nanotubes for photocatalytic hydrogen evolution with simultaneous contaminant degradation. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 560, 555-564	9.3	21
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254	Enhanced photocatalytic H <sub>2</sub> evolution by deposition of metal nanoparticles into mesoporous structure of g-C <sub>3</sub> N <sub>4</sub> . <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 585, 124067	5.1	13
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252	Boosting aerobic oxidative desulfurization performance in fuel oil via strong metal-edge interactions between Pt and h-BN. <i>Chemical Engineering Journal</i> , <b>2020</b> , 380, 122526	14.7	71
251	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. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 9382-9388	4.8	11
250	Molten salt Boiling synthesis of surface decorated bimetallic-nitrogen doped carbon hollow nanospheres: An oxygen reduction catalyst with dense active sites and high stability. <i>Chemical Engineering Journal</i> , <b>2020</b> , 395, 125064	14.7	16
249	Novel Cobalt-Iron-Vanadium Layered Double Hydroxide Nanosheet Arrays for Superior Water Oxidation Performance. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 16828-16834	8.3	29
248	Tailoring of crystalline structure of carbon nitride for superior photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 556, 324-334	9.3	10
247	Lattice-Refined Transition-Metal Oxides via Ball Milling for Boosted Catalytic Oxidation Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 36666-36675	9.5	18
246	Graphene quantum dots modified flower like BiWO <sub>4</sub> for enhanced photocatalytic nitrogen fixation. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 557, 498-505	9.3	40
245	Scalable Synthesis of Micromesoporous Iron-Nitrogen-Doped Carbon as Highly Active and Stable Oxygen Reduction Electrocatalyst. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 39263-39273	9.5	25
244	NiCo <sub>2</sub> O <sub>4</sub> ultrathin nanosheets with oxygen vacancies as bifunctional electrocatalysts for Zn-air battery. <i>Applied Surface Science</i> , <b>2019</b> , 478, 552-559	6.7	78
243	Rapid synthesis of ultrathin 2D materials through liquid-nitrogen and microwave treatments. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 5209-5213	13	60
242	Cryo-mediated liquid-phase exfoliated 2D BP coupled with 2D C <sub>3</sub> N <sub>4</sub> to photodegrade organic pollutants and simultaneously generate hydrogen. <i>Applied Surface Science</i> , <b>2019</b> , 490, 117-123	6.7	13
241	Porous NbN/rGO Nanocomposite for Ultrahigh-Energy-Density Lithium-Ion Hybrid Capacitor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 24114-24121	9.5	21
240	Promoting Pt catalysis for CO oxidation via the Mott-Schottky effect. <i>Nanoscale</i> , <b>2019</b> , 11, 18568-18574	7.7	6
239	Novel CNT/PbBiO <sub>2</sub> Br hybrid materials with enhanced broad spectrum photocatalytic activity toward ciprofloxacin (CIP) degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 382, 111901	4.7	18

238	Gas-assisted exfoliation of boron nitride nanosheets enhancing adsorption performance. <i>Ceramics International</i> , <b>2019</b> , 45, 18838-18843	5.1	20
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231	Reactable ionic liquid in situ-induced synthesis of Fe <sub>3</sub> O <sub>4</sub> nanoparticles modified N-doped hollow porous carbon microtubes for boosting multifunctional electrocatalytic activity. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 797, 849-858	5.7	14
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226	Integrating the merits of two-dimensional structure and heteroatom modification into semiconductor photocatalyst to boost NO removal. <i>Chemical Engineering Journal</i> , <b>2019</b> , 370, 944-951	14.7	42
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195	Lawn-like FeCo <sub>2</sub> S <sub>4</sub> hollow nanoneedle arrays on flexible carbon nanofiber film as binder-free electrodes for high-performance asymmetric pseudocapacitors. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 772, 337-347	5.7	38
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188	Magnetic supported ionic liquid catalysts with tunable pore volume for enhanced deep oxidative desulfurization. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 274, 293-299	6	30
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182	In-situ preparation of NH <sub>2</sub> -MIL-125(Ti)/BiOCl composite with accelerating charge carriers for boosting visible light photocatalytic activity. <i>Applied Surface Science</i> , <b>2019</b> , 466, 525-534	6.7	79
181	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> , <b>2019</b> , 243, 151-160	21.8	57
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172	Boron defect engineering in boron nitride nanosheets with improved adsorptive desulfurization performance. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 64, 383-389	6.3	23
171	0D/2D Fe <sub>2</sub> O <sub>3</sub> quantum dots/g-C <sub>3</sub> N <sub>4</sub> for enhanced visible-light-driven photocatalysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 541, 188-194	5.1	44
170	Controlled preparation of MoS <sub>2</sub> /PbBiOI hybrid microspheres with enhanced visible-light photocatalytic behaviour. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 517, 278-287	9.3	33
169	AgInS <sub>2</sub> /In <sub>2</sub> S <sub>3</sub> heterostructure sensitization of Escherichia coli for sustainable hydrogen production. <i>Nano Energy</i> , <b>2018</b> , 46, 234-240	17.1	50
168	Fe <sub>2</sub> O <sub>3</sub> nanoplates with superior electrochemical performance for lithium-ion batteries. <i>Green Energy and Environment</i> , <b>2018</b> , 3, 156-162	5.7	23
167	Different Morphologies of SnS <sub>2</sub> Supported on 2D g-C <sub>3</sub> N <sub>4</sub> for Excellent and Stable Visible Light Photocatalytic Hydrogen Generation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 5132-5141	8.3	102



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159	Silicotungstic acid immobilized on lamellar hexagonal boron nitride for oxidative desulfurization of fuel components. <i>Fuel</i> , <b>2018</b> , 213, 12-21	7.1	40
158	Superparamagnetic Mo-containing core-shell microspheres for catalytic oxidative desulfurization of fuel. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 537, 243-249	5.1	21
157	Graphene-like boron nitride induced accelerated charge transfer for boosting the photocatalytic behavior of Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> towards bisphenol a removal. <i>Chemical Engineering Journal</i> , <b>2018</b> , 331, 355-363	14.7	89
156	Surface Defect Engineering in 2D Nanomaterials for Photocatalysis. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1801983	15.6	260
155	Graphene-Analogue Boron Nitride Modified Bismuth Oxide with Increased Visible-Light Photocatalytic Performance. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2018</b> , 215, 1800146	1.6	0
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153	S, N Codoped Graphene Quantum Dots Embedded in (BiO) <sub>2</sub> CO <sub>3</sub> : Incorporating Enzymatic-like Catalysis in Photocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 10229-10240	8.3	41
152	Multifunctional C-Doped CoFe <sub>2</sub> O <sub>4</sub> Material as Cocatalyst to Promote Reactive Oxygen Species Generation over Magnetic Recyclable CoFe/Ag <sub>2</sub> S Photocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 11968-11978	8.3	29
151	Paper-derived cobalt and nitrogen co-doped carbon nanotube@porous carbon as a nonprecious metal electrocatalyst for the oxygen reduction reaction. <i>Chinese Journal of Catalysis</i> , <b>2018</b> , 39, 790-799	11.3	20
150	Atomically Thin 2D Multinary Nanosheets for Energy-Related Photo, Electrocatalysis. <i>Advanced Science</i> , <b>2018</b> , 5, 1800244	13.6	39
149	Designing Visible-Light-Driven Z-scheme Catalyst 2D g-C <sub>3</sub> N <sub>4</sub> /Bi <sub>2</sub> MoO <sub>6</sub> : Enhanced Photodegradation Activity of Organic Pollutants. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2018</b> , 215, 1800520	1.6	13



148	Ionic liquid-supported 3DOM silica for efficient heterogeneous oxidative desulfurization. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 2478-2485	6.8	24
147	Synthesis of WO <sub>3</sub> /mesoporous ZrO <sub>2</sub> catalyst as a high-efficiency catalyst for catalytic oxidation of dibenzothiophene in diesel. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 15927-15938	4.3	26
146	Exploitation of a photoelectrochemical sensing platform for bisphenol A quantitative determination using Cu/graphitic carbon nitride nanocomposites. <i>Chinese Chemical Letters</i> , <b>2018</b> , 29, 1629-1632	8.1	7
145	Taming electronic properties of boron nitride nanosheets as metal-free catalysts for aerobic oxidative desulfurization of fuels. <i>Green Chemistry</i> , <b>2018</b> , 20, 4453-4460	10	79
144	Activated boron nitride ultrathin nanosheets for enhanced adsorption desulfurization performance. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2018</b> , 93, 245-252	5.3	12
143	Controlled synthesis of novel PbBiO <sub>2</sub> I microspheres structure towards photocatalytic degradation of bisphenol A. <i>Research on Chemical Intermediates</i> , <b>2018</b> , 44, 5879-5891	2.8	3
142	N-CQDs accelerating surface charge transfer of Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> hollow nanotubes with broad spectrum photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 237, 1033-1043	21.8	80
141	Highly Efficient Visible-Light-Driven Schottky Catalyst MoN/2D g-C <sub>3</sub> N <sub>4</sub> for Hydrogen Production and Organic Pollutants Degradation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 8863-8870	7.0	29
140	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> , <b>2018</b> , 512, 555-566	8.6	68
139	Gas-exfoliated porous monolayer boron nitride for enhanced aerobic oxidative desulfurization performance. <i>Nanotechnology</i> , <b>2018</b> , 29, 025604	3.4	17
138	Construction of solid-liquid interfacial Fenton-like reaction under visible light irradiation over etched Co <sub>3</sub> FeyO <sub>4</sub> /BiOBr photocatalysts. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 551-561	5.5	19
137	Photoelectrochemical monitoring of ciprofloxacin based on metallic Bi self-doping BiOBr nanocomposites. <i>Electrochimica Acta</i> , <b>2018</b> , 259, 873-881	6.7	62
136	Constructing magnetic catalysts with in-situ solid-liquid interfacial photo-Fenton-like reaction over Ag <sub>3</sub> PO <sub>4</sub> @NiFe <sub>2</sub> O <sub>4</sub> composites. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 225, 40-50	21.8	132
135	Self-assembled synthesis of defect-engineered graphitic carbon nitride nanotubes for efficient conversion of solar energy. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 225, 154-161	21.8	210
134	2D heterostructure comprised of metallic 1T-MoS <sub>2</sub> /Monolayer O-g-C <sub>3</sub> N <sub>4</sub> towards efficient photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 220, 379-385	21.8	176
133	A multidimensional In <sub>2</sub> S <sub>3</sub> /InS <sub>2</sub> heterostructure for photocatalytic carbon dioxide reduction. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 3163-3169	6.8	45
132	A Specifically Exposed Cobalt Oxide/Carbon Nitride 2D Heterostructure for Carbon Dioxide Photoreduction. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 17394-17400	3.9	61
131	The CoMo-LDH ultrathin nanosheet as a highly active and bifunctional electrocatalyst for overall water splitting. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 2964-2970	6.8	34

130	Synthesis of amphiphilic peroxophosphomolybdates for oxidative desulfurization of fuels in ionic liquids. <i>Petroleum Science</i> , <b>2018</b> , 15, 890-897	4.4	6
129	Hierarchical FeCo S Nanotube Arrays Deposited on 3D Carbon Foam as Binder-free Electrodes for High-performance Asymmetric Pseudocapacitors. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 3212-3221	4.5	18
128	Graphene oxide-modified LaVO <sub>4</sub> nanocomposites with enhanced photocatalytic degradation efficiency of antibiotics. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 2818-2828	6.8	22
127	Two-Dimensional Mn-Co LDH/Graphene Composite towards High-Performance Water Splitting. <i>Catalysts</i> , <b>2018</b> , 8, 350	4	17
126	Defect-Rich Bi O Cl Nanotubes Self-Accelerating Charge Separation for Boosting Photocatalytic CO Reduction. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 14847-14851	16.4	219
125	Decavanadates anchored into micropores of graphene-like boron nitride: Efficient heterogeneous catalysts for aerobic oxidative desulfurization. <i>Fuel</i> , <b>2018</b> , 230, 104-112	7.1	62
124	Bismuth vacancy mediated single unit cell Bi <sub>2</sub> WO <sub>6</sub> nanosheets for boosting photocatalytic oxygen evolution. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 238, 119-125	21.8	116
123	Nature-based catalyst for visible-light-driven photocatalytic CO <sub>2</sub> reduction. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 2382-2389	35.4	145
122	ZnCo <sub>2</sub> O <sub>4</sub> ultrathin nanosheets towards the high performance of flexible supercapacitors and bifunctional electrocatalysis. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 764, 565-573	5.7	41
121	Ultrathin 2D Photocatalysts: Electronic-Structure Tailoring, Hybridization, and Applications. <i>Advanced Materials</i> , <b>2018</b> , 30, 1704548	24	298
120	Improved photocatalytic activity of few-layer Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> nanosheets induced by efficient charge separation and lower valence position. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 695, 922-930	5.7	52
119	Ionic liquid-induced strategy for porous perovskite-like PbBiO <sub>2</sub> Br photocatalysts with enhanced photocatalytic activity and mechanism insight. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 206, 127-135	21.8	85
118	One-Pot Extraction and Oxidative Desulfurization of Fuels with Molecular Oxygen in Low-Cost Metal-Based Ionic Liquids. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 1376-1382	4.1	26
117	Facile preparation of TiO <sub>2</sub> /C <sub>3</sub> N <sub>4</sub> hybrid materials with enhanced capacitive properties for high performance supercapacitors. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 702, 178-185	5.7	43
116	Photoelectrochemical sensing of bisphenol a based on graphitic carbon nitride/bismuth oxyiodine composites. <i>RSC Advances</i> , <b>2017</b> , 7, 7929-7935	3.7	20
115	Morphology controlled preparation of ZnCo <sub>2</sub> O <sub>4</sub> nanostructures for asymmetric supercapacitor with ultrahigh energy density. <i>Energy</i> , <b>2017</b> , 123, 296-304	7.9	136
114	Metal-free boron nitride adsorbent for ultra-deep desulfurization. <i>AIChE Journal</i> , <b>2017</b> , 63, 3463-3469	3.6	39
113	Graphene-like boron nitride anchored Brønsted acid ionic liquids as metal-free catalyst for advanced oxidation process. <i>Molecular Catalysis</i> , <b>2017</b> , 436, 53-59	3.3	22

112	2D-2D stacking of graphene-like g-C <sub>3</sub> N <sub>4</sub> /Ultrathin Bi <sub>4</sub> O <sub>5</sub> Br <sub>2</sub> with matched energy band structure towards antibiotic removal. <i>Applied Surface Science</i> , <b>2017</b> , 413, 372-380	6.7	87
111	Design of 3D WO <sub>3</sub> /h-BN nanocomposites for efficient visible-light-driven photocatalysis. <i>RSC Advances</i> , <b>2017</b> , 7, 25160-25170	3.7	22
110	High Efficiency Photocatalytic Water Splitting Using 2D Fe <sub>2</sub> O <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> Z-Scheme Catalysts. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700025	21.8	501
109	Nickel-cobalt-layered double hydroxide nanosheet arrays on Ni foam as a bifunctional electrocatalyst for overall water splitting. <i>Dalton Transactions</i> , <b>2017</b> , 46, 8372-8376	4.3	90
108	A Z-scheme magnetic recyclable Ag/AgBr@CoFe <sub>2</sub> O <sub>4</sub> photocatalyst with enhanced photocatalytic performance for pollutant and bacterial elimination. <i>RSC Advances</i> , <b>2017</b> , 7, 30845-30854	3.7	35
107	Taming interfacial electronic properties of platinum nanoparticles on vacancy-abundant boron nitride nanosheets for enhanced catalysis. <i>Nature Communications</i> , <b>2017</b> , 8, 15291	17.4	154
106	Enhancing reactive oxygen species generation and photocatalytic performance via adding oxygen reduction reaction catalysts into the photocatalysts. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 218, 174-185	21.8	62
105	Kinetics and mechanism of enhanced photocatalytic activity employing ZnS nanospheres/graphene-like C <sub>3</sub> N <sub>4</sub> . <i>Molecular Catalysis</i> , <b>2017</b> , 438, 103-112	3.3	16
104	Freestanding atomically-thin two-dimensional materials beyond graphene meeting photocatalysis: Opportunities and challenges. <i>Nano Energy</i> , <b>2017</b> , 35, 79-91	17.1	142
103	Synthesis of mesoporous WO <sub>3</sub> /TiO <sub>2</sub> catalyst and its excellent catalytic performance for the oxidation of dibenzothiophene. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 569-578	3.6	51
102	Low cost and green preparation process for Fe <sub>2</sub> O <sub>3</sub> @gum arabic electrode for high performance sodium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 2102-2109	13	49
101	Tunable oxygen activation induced by oxygen defects in nitrogen doped carbon quantum dots for sustainable boosting photocatalysis. <i>Carbon</i> , <b>2017</b> , 114, 601-607	10.4	69
100	Eliminating micro-porous layer from gas diffusion electrode for use in high temperature polymer electrolyte membrane fuel cell. <i>Journal of Power Sources</i> , <b>2017</b> , 341, 302-308	8.9	30
99	Tailoring N-Terminated Defective Edges of Porous Boron Nitride for Enhanced Aerobic Catalysis. <i>Small</i> , <b>2017</b> , 13, 1701857	11	48
98	Ag <sub>2</sub> S quantum dots in situ coupled to hexagonal SnS <sub>2</sub> with enhanced photocatalytic activity for MO and Cr(VI) removal. <i>RSC Advances</i> , <b>2017</b> , 7, 46823-46831	3.7	33
97	Green aqueous biphasic systems containing deep eutectic solvents and sodium salts for the extraction of protein. <i>RSC Advances</i> , <b>2017</b> , 7, 49361-49367	3.7	31
96	Photoelectrochemical monitoring of phenol by metallic Bi self-doping BiOI composites with enhanced photoelectrochemical performance. <i>Journal of Electroanalytical Chemistry</i> , <b>2017</b> , 804, 64-71	4.1	26
95	Tuning the Chemical Hardness of Boron Nitride Nanosheets by Doping Carbon for Enhanced Adsorption Capacity. <i>ACS Omega</i> , <b>2017</b> , 2, 5385-5394	3.9	58

94	Bismuth oxyhalide layered materials for energy and environmental applications. <i>Nano Energy</i> , <b>2017</b> , 41, 172-192	17.1	272
93	Controllable Synthesis of Ultrathin NiCo O Nanosheets Incorporated onto Composite Nanotubes for Efficient Oxygen Reduction. <i>Chemistry - an Asian Journal</i> , <b>2017</b> , 12, 2426-2433	4.5	13
92	Magnetic POM-based mesoporous silica for fast oxidation of aromatic sulfur compounds. <i>Fuel</i> , <b>2017</b> , 209, 545-551	7.1	41
91	One-pot extraction and aerobic oxidative desulfurization with highly dispersed V <sub>2</sub> O <sub>5</sub> /SBA-15 catalyst in ionic liquids. <i>RSC Advances</i> , <b>2017</b> , 7, 39383-39390	3.7	32
90	Biomass willow catkin-derived Co <sub>3</sub> O <sub>4</sub> /N-doped hollow hierarchical porous carbon microtubes as an effective tri-functional electrocatalyst. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 20170-20179	13	70
89	Tuning electronic properties of boron nitride nanoplate via doping carbon for enhanced adsorptive performance. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 508, 121-128	9.3	31
88	Taming Interfacial Oxygen Vacancies of Amphiphilic Tungsten Oxide for Enhanced Catalysis in Oxidative Desulfurization. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 8930-8938	8.3	55
87	Hydrothermal synthesis of mpg-C <sub>3</sub> N <sub>4</sub> and Bi <sub>2</sub> WO <sub>6</sub> nest-like structure nanohybrids with enhanced visible light photocatalytic activities. <i>RSC Advances</i> , <b>2017</b> , 7, 38682-38690	3.7	59
86	Designing multifunctional SO <sub>3</sub> H-based polyoxometalate catalysts for oxidative desulfurization in acid deep eutectic solvents. <i>RSC Advances</i> , <b>2017</b> , 7, 55318-55325	3.7	23
85	Low-crystalline mesoporous CoFe <sub>2</sub> O <sub>4</sub> /C composite with oxygen vacancies for high energy density asymmetric supercapacitors. <i>RSC Advances</i> , <b>2017</b> , 7, 55513-55522	3.7	41
84	Defect engineering in atomically-thin bismuth oxychloride towards photocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 14144-14151	13	81
83	Controllable synthesis of perovskite-like PbBiO <sub>2</sub> Cl hollow microspheres with enhanced photocatalytic activity for antibiotic removal. <i>CrystEngComm</i> , <b>2017</b> , 19, 4777-4788	3.3	21
82	Reactable ionic liquid induced homogeneous carbon superdoping of BiPO <sub>4</sub> for superior photocatalytic removal of 4-chlorophenol. <i>Chemical Engineering Journal</i> , <b>2017</b> , 313, 1477-1485	14.7	42
81	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> , <b>2017</b> , 202, 112-117	21.8	62
80	Polyoxometalate-based ionic liquid supported on graphite carbon induced solvent-free ultra-deep oxidative desulfurization of model fuels. <i>Fuel</i> , <b>2017</b> , 190, 1-9	7.1	78
79	A template-free solvent-mediated synthesis of high surface area boron nitride nanosheets for aerobic oxidative desulfurization. <i>Chemical Communications</i> , <b>2016</b> , 52, 144-7	5.8	170
78	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> , <b>2016</b> , 181, 260-269	21.8	318
77	Synthesis of Ionic-Liquid-Based Deep Eutectic Solvents for Extractive Desulfurization of Fuel. <i>Energy &amp; Fuels</i> , <b>2016</b> , 30, 8164-8170	4.1	62

76	Oxidative desulfurization of fuels promoted by choline chloride-based deep eutectic solvents. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 424, 261-268		47
75	Controlled Gas Exfoliation of Boron Nitride into Few-Layered Nanosheets. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 10766-70	16.4	201
74	A silver on 2D white-C3N4 support photocatalyst for mechanistic insights: synergetic utilization of plasmonic effect for solar hydrogen evolution. <i>RSC Advances</i> , <b>2016</b> , 6, 112420-112428	3.7	28
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72	Fabrication and characterization of tungsten-containing mesoporous silica for heterogeneous oxidative desulfurization. <i>Chinese Journal of Catalysis</i> , <b>2016</b> , 37, 971-978	11.3	23
71	Oxygenated monolayer carbon nitride for excellent photocatalytic hydrogen evolution and external quantum efficiency. <i>Nano Energy</i> , <b>2016</b> , 27, 138-146	17.1	303
70	Boron Nitride Mesoporous Nanowires with Doped Oxygen Atoms for the Remarkable Adsorption Desulfurization Performance from Fuels. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 4457-4464	8.3	71
69	Copper nanoparticles advance electron mobility of graphene-like boron nitride for enhanced aerobic oxidative desulfurization. <i>Chemical Engineering Journal</i> , <b>2016</b> , 301, 123-131	14.7	88
68	Ionic liquid-assisted bidirectional regulation strategy for carbon quantum dots (CQDs)/Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> nanomaterials and enhanced photocatalytic properties. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 478, 324-33	9.3	41
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66	The selectivity for sulfur removal from oils: An insight from conceptual density functional theory. <i>AIChE Journal</i> , <b>2016</b> , 62, 2087-2100	3.6	144
65	Carbon quantum dots in situ coupling to bismuth oxyiodide via reactable ionic liquid with enhanced photocatalytic molecular oxygen activation performance. <i>Carbon</i> , <b>2016</b> , 98, 613-623	10.4	104
64	A large number of low coordinated atoms in boron nitride for outstanding adsorptive desulfurization performance. <i>Green Chemistry</i> , <b>2016</b> , 18, 3040-3047	10	61
63	Carbon Quantum Dots Induced Ultrasmall BiOI Nanosheets with Assembled Hollow Structures for Broad Spectrum Photocatalytic Activity and Mechanism Insight. <i>Langmuir</i> , <b>2016</b> , 32, 2075-84	4	114
62	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> , <b>2016</b> , 4, 5051-5061	13	110
61	New insight of Ag quantum dots with the improved molecular oxygen activation ability for photocatalytic applications. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 188, 376-387	21.8	95
60	Synthesis of supported SiW <sub>12</sub> O <sub>40</sub> -based ionic liquid catalyst induced solvent-free oxidative deep-desulfurization of fuels. <i>Chemical Engineering Journal</i> , <b>2016</b> , 288, 608-617	14.7	104
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58	Hexacyanoferrate-based ionic liquids as Fenton-like catalysts for deep oxidative desulfurization of fuels. <i>Applied Organometallic Chemistry</i> , <b>2016</b> , 30, 753-758	3.1	11
57	Deep oxidative desulfurization with a microporous hexagonal boron nitride confining phosphotungstic acid catalyst. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 423, 207-215		40
56	Construction of a 2D Graphene-Like MoS <sub>2</sub> /C <sub>3</sub> N <sub>4</sub> Heterojunction with Enhanced Visible-Light Photocatalytic Activity and Photoelectrochemical Activity. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 4764-4773	4.8	135
55	Constructing confined surface carbon defects in ultrathin graphitic carbon nitride for photocatalytic free radical manipulation. <i>Carbon</i> , <b>2016</b> , 107, 1-10	10.4	121
54	TiO <sub>2</sub> microspheres supported polyoxometalate-based ionic liquids induced catalytic oxidative deep-desulfurization. <i>RSC Advances</i> , <b>2016</b> , 6, 42402-42412	3.7	33
53	MO degradation by Ag-Ag <sub>2</sub> O/g-C <sub>3</sub> N <sub>4</sub> composites under visible-light irradiation. <i>SpringerPlus</i> , <b>2016</b> , 5, 369		22
52	Graphitic carbon nitride/BiOCl composites for sensitive photoelectrochemical detection of ciprofloxacin. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 483, 241-248	9.3	51
51	Synthesis of g-C <sub>3</sub> N <sub>4</sub> /Ag <sub>3</sub> VO <sub>4</sub> composites with enhanced photocatalytic activity under visible light irradiation. <i>Chemical Engineering Journal</i> , <b>2015</b> , 271, 96-105	14.7	132
50	Controllable synthesis of Bi <sub>4</sub> O <sub>5</sub> Br <sub>2</sub> ultrathin nanosheets for photocatalytic removal of ciprofloxacin and mechanism insight. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 15108-15118	13	167
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48	A DFT study of the extractive desulfurization mechanism by [BMIM](+)[AlCl <sub>4</sub> ](-) ionic liquid. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 5995-6009	3.4	69
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45	Theoretical evidence of charge transfer interaction between SO <sub>2</sub> and deep eutectic solvents formed by choline chloride and glycerol. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 28729-42	3.6	61
44	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 &amp; Interfaces</i> , <b>2015</b> , 7, 20111-23	9.5	252
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42	Novel heterogeneous iron-based redox ionic liquid supported on SBA-15 for deep oxidative desulfurization of fuels. <i>Chemical Engineering Journal</i> , <b>2015</b> , 266, 213-221	14.7	110
41	Novel visible-light-driven CQDs/Bi <sub>2</sub> WO <sub>6</sub> hybrid materials with enhanced photocatalytic activity toward organic pollutants degradation and mechanism insight. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 168-169, 51-61	21.8	410



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39	Temperature-responsive ionic liquid extraction and separation of the aromatic sulfur compounds. <i>Fuel</i> , <b>2015</b> , 140, 590-596	7.1	82
38	Controllable Fabrication of Tungsten Oxide Nanoparticles Confined in Graphene-Analogous Boron Nitride as an Efficient Desulfurization Catalyst. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 15421-7	4.8	55
37	Carbon-doped porous boron nitride: metal-free adsorbents for sulfur removal from fuels. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 12738-12747	13	104
36	Facile synthesis of amphiphilic polyoxometalate-based ionic liquid supported silica induced efficient performance in oxidative desulfurization. <i>Journal of Molecular Catalysis A</i> , <b>2015</b> , 406, 23-30		61
35	Magnetic g-C <sub>3</sub> N <sub>4</sub> /NiFe <sub>2</sub> O <sub>4</sub> hybrids with enhanced photocatalytic activity. <i>RSC Advances</i> , <b>2015</b> , 5, 57960-57967	9.2	92
34	Design and synthesis of W-containing mesoporous material with excellent catalytic activity for the oxidation of 4,6-DMDBT in fuels. <i>Chemical Engineering Journal</i> , <b>2015</b> , 280, 256-264	14.7	39
33	One-pot extraction combined with metal-free photochemical aerobic oxidative desulfurization in deep eutectic solvent. <i>Green Chemistry</i> , <b>2015</b> , 17, 2464-2472	10	204
32	Few-layered graphene-like boron nitride induced a remarkable adsorption capacity for dibenzothiophene in fuels. <i>Green Chemistry</i> , <b>2015</b> , 17, 1647-1656	10	144
31	Mechanism and optimization for oxidative desulfurization of fuels catalyzed by Fenton-like catalysts in hydrophobic ionic liquid. <i>Journal of Molecular Catalysis A</i> , <b>2014</b> , 382, 8-14		57
30	Ionic liquid extraction and catalytic oxidative desulfurization of fuels using dialkylpiperidinium tetrachloroferrates catalysts. <i>Chemical Engineering Journal</i> , <b>2014</b> , 250, 48-54	14.7	98
29	One-pot synthesis, characterization and desulfurization of functional mesoporous W-MCM-41 from POM-based ionic liquids. <i>Chemical Engineering Journal</i> , <b>2014</b> , 243, 386-393	14.7	94
28	Graphene-analogue carbon nitride: novel exfoliation synthesis and its application in photocatalysis and photoelectrochemical selective detection of trace amount of Cu <sup>2+</sup> . <i>Nanoscale</i> , <b>2014</b> , 6, 1406-15	7.7	308
27	Development of novel graphene-like layered hexagonal boron nitride for adsorptive removal of antibiotic gatifloxacin from aqueous solution. <i>Green Chemistry Letters and Reviews</i> , <b>2014</b> , 7, 330-336	4.7	26
26	Synthesis of metal-based ionic liquid supported catalyst and its application in catalytic oxidative desulfurization of fuels. <i>Fuel</i> , <b>2014</b> , 136, 358-365	7.1	71
25	Reactable ionic liquid-assisted rapid synthesis of BiOI hollow microspheres at room temperature with enhanced photocatalytic activity. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 15864-15874	13	170
24	Oxidation of Aromatic Sulfur Compounds Catalyzed by Organic Hexacyanoferrates in Ionic Liquids with a Low Concentration of H <sub>2</sub> O <sub>2</sub> as an Oxidant. <i>Energy &amp; Fuels</i> , <b>2014</b> , 28, 2754-2760	4.1	39
23	One-pot solvothermal synthesis of Cu-modified BiOCl via a Cu-containing ionic liquid and its visible-light photocatalytic properties. <i>RSC Advances</i> , <b>2014</b> , 4, 14281	3.7	98

22	Graphitic carbon nitride nanosheet supported high loading silver nanoparticle catalysts for the oxygen reduction reaction. <i>Materials Letters</i> , <b>2014</b> , 128, 349-353	3.3	37
21	Preparation of TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> composites and their application in photocatalytic oxidative desulfurization. <i>Ceramics International</i> , <b>2014</b> , 40, 11627-11635	5.1	118
20	Improving the photocatalytic activity and stability of graphene-like BN/AgBr composites. <i>Applied Surface Science</i> , <b>2014</b> , 313, 1-9	6.7	58
19	Preparation of sphere-like g-C <sub>3</sub> N <sub>4</sub> /BiOI photocatalysts via a reactable ionic liquid for visible-light-driven photocatalytic degradation of pollutants. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 5340	13	386
18	Reactable ionic liquid assisted solvothermal synthesis of graphite-like C <sub>3</sub> N <sub>4</sub> hybridized $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> hollow microspheres with enhanced supercapacitive performance. <i>Journal of Power Sources</i> , <b>2014</b> , 245, 866-874	8.9	138
17	Preparation of highly dispersed tungsten species within mesoporous silica by ionic liquid and their enhanced catalytic activity for oxidative desulfurization. <i>Fuel</i> , <b>2014</b> , 117, 667-673	7.1	45
16	Application of graphene-like layered molybdenum disulfide and its excellent adsorption behavior for doxycycline antibiotic. <i>Chemical Engineering Journal</i> , <b>2014</b> , 243, 60-67	14.7	164
15	A g-C <sub>3</sub> N <sub>4</sub> /BiOBr visible-light-driven composite: synthesis via a reactable ionic liquid and improved photocatalytic activity. <i>RSC Advances</i> , <b>2013</b> , 3, 19624	3.7	153
14	Synthesis and characterization of g-C <sub>3</sub> N <sub>4</sub> /MoO <sub>3</sub> photocatalyst with improved visible-light photoactivity. <i>Applied Surface Science</i> , <b>2013</b> , 283, 25-32	6.7	175
13	Ionic liquid assisted synthesis and photocatalytic properties of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> hollow microspheres. <i>Dalton Transactions</i> , <b>2013</b> , 42, 6468-77	4.3	58
12	Deep oxidative desulfurization of dibenzothiophene with POM-based hybrid materials in ionic liquids. <i>Chemical Engineering Journal</i> , <b>2013</b> , 220, 328-336	14.7	216
11	Pyridinium-based temperature-responsive magnetic ionic liquid for oxidative desulfurization of fuels. <i>Chemical Engineering Journal</i> , <b>2013</b> , 229, 250-256	14.7	156
10	Visible-light-induced WO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> composites with enhanced photocatalytic activity. <i>Dalton Transactions</i> , <b>2013</b> , 42, 8606-16	4.3	382
9	Novel visible-light-driven AgX/graphite-like C <sub>3</sub> N <sub>4</sub> (X=Br, I) hybrid materials with synergistic photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 129, 182-193	21.8	525
8	Improved visible light photocatalytic activity of sphere-like BiOBr hollow and porous structures synthesized via a reactable ionic liquid. <i>Dalton Transactions</i> , <b>2011</b> , 40, 5249-58	4.3	221
7	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> , <b>2011</b> , 387, 23-28	5.1	54
6	One-pot synthesis of 5-acetylnaphthene using heteropoly acid catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2011</b> , 102, 103-111	1.6	6
5	Polyoxometalate-based ionic liquids as catalysts for deep desulfurization of fuels. <i>Fuel Processing Technology</i> , <b>2011</b> , 92, 1842-1848	7.2	168

4	Heteropolyanion-Based Ionic Liquid for Deep Desulfurization of Fuels in Ionic Liquids. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 8998-9003	3.9	131
3	Deep oxidative desulfurization of fuels catalyzed by pristine simple tungstic acid. <i>Reaction Kinetics and Catalysis Letters</i> , <b>2009</b> , 96, 165-173		10
2	Metastable Antimony-Doped SnO <sub>2</sub> Quantum Wires for Ultrasensitive Gas Sensors. <i>Advanced Electronic Materials</i> , 2101049	6.4	2
1	In Situ Growth and Activation of Ag/Ag <sub>2</sub> S Nanowire Clusters by H <sub>2</sub> S Plasma Treatment for Promoted Electrocatalytic CO <sub>2</sub> Reduction. <i>Advanced Sustainable Systems</i> , 2100256	5.9	3