

Jiaguo Yu

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.

792
papers

123,902
citations

182
h-index

327
g-index

820
ext. papers

143,461
ext. citations

9.7
avg, IF

9.43
L-index

#	Paper	IF	Citations
792	A figure of merits-based performance comparison of various advanced functional nanomaterials for adsorptive removal of gaseous ammonia.. <i>Science of the Total Environment</i> , 2022 , 822, 153428	10.2	0
791	WO ₃ Nanosheet-Supported IrW Alloy for High-Performance Acidic Overall Water Splitting with Low Ir Loading. <i>ACS Applied Energy Materials</i> , 2022 , 5, 970-980	6.1	3
790	Aminopolycarboxylic acids modified oxygen reduction by zero valent iron: Proton-coupled electron transfer, role of iron ion and reactive oxidant generation.. <i>Journal of Hazardous Materials</i> , 2022 , 430, 128402	12.8	2
789	New progress on MXenes-based nanocomposite photocatalysts. <i>Materials Reports Energy</i> , 2022 , 100081		1
788	Engineering 2D NiO/Ni ₃ S ₂ heterointerface electrocatalyst for highly efficient hydrogen production coupled with benzyl alcohol oxidation. <i>Chemical Engineering Journal</i> , 2022 , 431, 134137	14.7	3
787	ZIF-8 derived ZnO-CsPbBr ₃ polyhedrons for efficient triethylamine detection. <i>Sensors and Actuators B: Chemical</i> , 2022 , 357, 131366	8.5	0
786	Solar fuel generation over nature-inspired recyclable TiO ₂ /g-C ₃ N ₄ S-scheme hierarchical thin-film photocatalyst. <i>Journal of Materials Science and Technology</i> , 2022 , 112, 1-10	9.1	10
785	Hierarchical Co ₃ O ₄ -NiO hollow dodecahedron-supported Pt for room-temperature catalytic formaldehyde decomposition. <i>Chemical Engineering Journal</i> , 2022 , 430, 132715	14.7	4
784	A novel electro-Fenton process coupled with sulfite: Enhanced Fe reduction and TOC removal. <i>Journal of Hazardous Materials</i> , 2022 , 422, 126888	12.8	3
783	CO ₂ capture and in situ photocatalytic reduction. <i>Chem Catalysis</i> , 2022 , 2, 428-430		0
782	Nickel-cobalt selenide@N-doped carbon towards high-performance anode materials for sodium-ion batteries. <i>Journal of Energy Storage</i> , 2022 , 51, 104522	7.8	1
781	Step-by-Step Mechanism Insights into the TiO ₂ /Ce ₂ S ₃ S-Scheme Photocatalyst for Enhanced Aniline Production with Water as a Proton Source. <i>ACS Catalysis</i> , 2022 , 12, 164-172	13.1	21
780	A Comparative Study of Cobalt Chalcogenides as the Electrode Materials on Lithium-Sulfur Battery Performance.. <i>Small Methods</i> , 2022 , 6, e2101269	12.8	2
779	Additive-mediated intercalation and surface modification of MXenes.. <i>Chemical Society Reviews</i> , 2022 ,	58.5	9
778	Non-Noble Plasmonic Metal-Based Photocatalysts.. <i>Chemical Reviews</i> , 2022 ,	68.1	20
777	Building dual active sites CoO/Cu electrode to break scaling relations for enhancement of electrochemical reduction of nitrate to high-value ammonia.. <i>Journal of Hazardous Materials</i> , 2022 , 434, 128887	12.8	1
776	PtRu Dimer Electrocatalyst with Electron Redistribution for Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2022 , 12, 5540-5548	13.1	3

775	Promoting intramolecular charge transfer of graphitic carbon nitride by donor-acceptor modulation for visible-light photocatalytic H ₂ evolution 2022 , 1, 294-308		5
774	Hollow carbon sphere-supported Pt/CoO hybrid with excellent hydrogen evolution activity and stability in acidic environment. <i>Applied Catalysis B: Environmental</i> , 2022 , 121503	21.8	3
773	ZnO/COF S-scheme heterojunction for improved photocatalytic H ₂ O ₂ production performance. <i>Chemical Engineering Journal</i> , 2022 , 444, 136584	14.7	3
772	S-Scheme 2D/2D Bi ₂ MoO ₆ /BiOI van der Waals heterojunction for CO ₂ photoreduction. <i>Chinese Journal of Catalysis</i> , 2022 , 43, 1657-1666	11.3	0
771	Dynamics of Photogenerated Charge Carriers in Inorganic/Organic S-Scheme Heterojunctions. <i>Journal of Physical Chemistry Letters</i> , 2022 , 13, 4695-4700	6.4	4
770	Introductory chapter: Fundamentals of photocatalysis and electrocatalysis 2022 , 1-30		
769	Graphene oxide-based modified electrodes for high-performance supercapacitors 2022 , 239-266		
768	Graphene oxide-based photocatalysts for environmental purification 2022 , 135-172		
767	Graphene oxide-based heterojunction photocatalysts 2022 , 173-188		
766	Graphene oxide-based photocatalysts for CO ₂ reduction 2022 , 93-134		
765	Graphene oxide-based materials in electrocatalysis 2022 , 189-238		
764	Graphene oxide-based photocatalysts for H ₂ production 2022 , 65-92		
763	Emerging S-scheme Photocatalyst.. <i>Advanced Materials</i> , 2021 , e2107668	24	85
762	Hierarchically Porous ZnO/g-CN S-Scheme Heterojunction Photocatalyst for Efficient H ₂ O Production. <i>Langmuir</i> , 2021 , 37, 14114-14124	4	18
761	S-doped MIL-53 as efficient heterogeneous electro-Fenton catalyst for degradation of sulfamethazine at circumneutral pH. <i>Journal of Hazardous Materials</i> , 2021 , 127674	12.8	7
760	Optimizing Atomic Hydrogen Desorption of Sulfur-Rich NiS Cocatalyst for Boosting Photocatalytic H ₂ Evolution. <i>Advanced Materials</i> , 2021 , e2108475	24	20
759	Enhanced electricity generation and tetracycline removal of bioelectro-Fenton with electroactive biofilm induced by multi external resistance. <i>Chemosphere</i> , 2021 , 289, 133070	8.4	0
758	Metal-organic framework with atomically dispersed Ni-N ₄ sites for greatly-raised visible-light photocatalytic H ₂ production. <i>Chemical Engineering Journal</i> , 2021 , 133944	14.7	3

757	Enhanced degradation of 2,4-dichlorophenoxyacetic acid by electro-fenton in flow-through system using B, Co-TNT anode.. <i>Chemosphere</i> , 2021 , 292, 133470	8.4	1
756	Synthesis of MgNiCo LDH hollow structure derived from ZIF-67 as superb adsorbent for Congo red.. <i>Journal of Colloid and Interface Science</i> , 2021 , 612, 598-607	9.3	3
755	Photocatalytic H Evolution Coupled with Furfuralcohol Oxidation over Pt-Modified ZnCdS Solid Solution.. <i>Small Methods</i> , 2021 , 5, e2100979	12.8	10
754	Core-Shell Structured C@SiO Hollow Spheres Decorated with Nickel Nanoparticles as Anode Materials for Lithium-Ion Batteries. <i>Small</i> , 2021 , 17, e2103673	11	3
753	Inorganic Metal-Oxide Photocatalyst for H ₂ O Production. <i>Small</i> , 2021 , e2104561	11	13
752	Enhanced solar-to-chemical energy conversion of graphitic carbon nitride by two-dimensional cocatalysts. <i>EnergyChem</i> , 2021 , 3, 100051	36.9	45
751	Triethylamine gas sensor based on Pt-functionalized hierarchical ZnO microspheres. <i>Sensors and Actuators B: Chemical</i> , 2021 , 331, 129425	8.5	58
750	In Situ Synthesis of Mo ₂ C Nanoparticles on Graphene Nanosheets for Enhanced Photocatalytic H ₂ -Production Activity of TiO ₂ . <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 3828-3837	8.3	23
749	An Inorganic/Organic S-Scheme Heterojunction H ₂ -Production Photocatalyst and its Charge Transfer Mechanism. <i>Advanced Materials</i> , 2021 , 33, e2100317	24	155
748	Anchoring single Pt atoms and black phosphorene dual co-catalysts on CdS nanospheres to boost visible-light photocatalytic H ₂ evolution. <i>Nano Today</i> , 2021 , 37, 101080	17.9	52
747	Enhanced photocatalytic activity and mechanism of CeO ₂ hollow spheres for tetracycline degradation. <i>Rare Metals</i> , 2021 , 40, 2369-2380	5.5	9
746	Pt Single Atoms Supported on N-Doped Mesoporous Hollow Carbon Spheres with Enhanced Electrocatalytic H ₂ -Evolution Activity. <i>Advanced Materials</i> , 2021 , 33, e2008599	24	103
745	Ultra-Thin Carbon-Doped Bi ₂ WO ₆ Nanosheets for Enhanced Photocatalytic CO ₂ Reduction. <i>Transactions of Tianjin University</i> , 2021 , 27, 338-347	2.9	4
744	A 3D Hierarchical Ti ₃ C ₂ T _x /TiO ₂ Heterojunction for Enhanced Photocatalytic CO ₂ Reduction. <i>ChemNanoMat</i> , 2021 , 7, 910-915	3.5	2
743	In-situ growth of few-layer graphene on ZnO with intimate interfacial contact for enhanced photocatalytic CO ₂ reduction activity. <i>Chemical Engineering Journal</i> , 2021 , 411, 128501	14.7	40
742	Synergistic Effect of Co(III) and Co(II) in a 3D Structured CoO/Carbon Felt Electrode for Enhanced Electrochemical Nitrate Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 28348-28358	9.5	9
741	Selenium-Rich Configuration and Amorphization for Synergistically Maximizing the Active-Center Amount of CoSe _{1+x} Nanodots toward Efficient Photocatalytic H ₂ Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 8653-8662	8.3	8
740	Emerging Solar Photocatalysis. <i>Solar Rrl</i> , 2021 , 5, 2100252	7.1	1

739	Mechanistic Insight into the Heterogeneous Electro-Fenton/Sulfite Process for Ultraefficient Degradation of Pollutants over a Wide pH Range. <i>ACS ES&T Water</i> , 2021 , 1, 1637-1647		5
738	DFT Study on Regulating the Electronic Structure and CO ₂ Reduction Reaction in BiOBr/Sulphur-Doped g-C ₃ N ₄ S-Scheme Heterojunctions. <i>Frontiers in Nanotechnology</i> , 2021 , 3,	5.5	11
737	A high-response formaldehyde sensor based on fibrous Ag-ZnO/InO with multi-level heterojunctions. <i>Journal of Hazardous Materials</i> , 2021 , 413, 125352	12.8	41
736	TiO ₂ /polydopamine S-scheme heterojunction photocatalyst with enhanced CO ₂ -reduction selectivity. <i>Applied Catalysis B: Environmental</i> , 2021 , 289, 120039	21.8	98
735	A continuous flow-through system with integration of electrosorption and peroxi-coagulation for efficient removal of organics. <i>Chemosphere</i> , 2021 , 274, 129983	8.4	6
734	Analytical transmission electron microscopy for emerging advanced materials. <i>Matter</i> , 2021 , 4, 2309-2339	2.7	9
733	H ₂ O molecule adsorption on s-triazine-based g-C ₃ N ₄ . <i>Chinese Journal of Catalysis</i> , 2021 , 42, 115-122	11.3	22
732	ZnxCd1-xS quantum dot with enhanced photocatalytic H ₂ -production performance. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 15-24	11.3	49
731	Sulfur-doped g-C ₃ N ₄ /TiO ₂ S-scheme heterojunction photocatalyst for Congo Red photodegradation. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 56-68	11.3	219
730	Review on nickel-based adsorption materials for Congo red. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123559	12.8	63
729	S-scheme heterojunction based on p-type ZnMn ₂ O ₄ and n-type ZnO with improved photocatalytic CO ₂ reduction activity. <i>Chemical Engineering Journal</i> , 2021 , 409, 127377	14.7	105
728	Selenium-enriched amorphous NiSe _{1+x} nanoclusters as a highly efficient cocatalyst for photocatalytic H ₂ evolution. <i>Chemical Engineering Journal</i> , 2021 , 408, 127230	14.7	28
727	Iron-based persulfate activation process for environmental decontamination in water and soil. <i>Chemosphere</i> , 2021 , 265, 129057	8.4	32
726	Enhanced photocatalytic H ₂ production performance of CdS hollow spheres using C and Pt as bi-cocatalysts. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 743-752	11.3	27
725	Synthesis of reduced graphene oxide supported nickel-cobalt-layered double hydroxide nanosheets for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021 , 588, 637-645	9.3	68
724	Design of highly-active photocatalytic materials for solar fuel production. <i>Chemical Engineering Journal</i> , 2021 , 421, 127732	14.7	10
723	Significant capacitance enhancement induced by cyclic voltammetry in pine needle-like Ni-Co-Cu multicomponent electrode. <i>Journal of Materials Science and Technology</i> , 2021 , 78, 100-109	9.1	7
722	Hetero-phase MoC-Mo ₂ C nanoparticles for enhanced photocatalytic H ₂ -production activity of TiO ₂ . <i>Nano Research</i> , 2021 , 14, 1095-1102	10	22

721	Degradation of 2,4-dichlorophenoxyacetic acid by a novel photoelectrocatalysis/photoelectro-Fenton process using Blue-TiO nanotube arrays as the anode. <i>Chemosphere</i> , 2021 , 266, 129063	8.4	5
720	Hollow CdS-based photocatalysts. <i>Journal of Materiomics</i> , 2021 , 7, 419-439	6.7	25
719	One-Step Realization of Crystallization and Cyano-Group Generation for g-C3N4 Photocatalysts with Improved H2 Production. <i>Solar Rrl</i> , 2021 , 5, 2000372	7.1	39
718	Hydroxyl-enriched highly crystalline TiO suspensible photocatalyst: facile synthesis and superior H-generation activity. <i>Chemical Communications</i> , 2021 , 57, 2025-2028	5.8	9
717	Electrospun TiO2-Based Photocatalysts. <i>Solar Rrl</i> , 2021 , 5, 2000571	7.1	18
716	Highly dispersed MoSx nanodot-modified TiO2 photocatalysts: vitamin C-mediated synthesis and improved H2 evolution activity. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 3239-3246	7.1	15
715	Design, Fabrication, and Mechanism of Nitrogen-Doped Graphene-Based Photocatalyst. <i>Advanced Materials</i> , 2021 , 33, e2003521	24	114
714	Near-Infrared-Responsive Photocatalysts.. <i>Small Methods</i> , 2021 , 5, e2001042	12.8	30
713	Influence of calcination temperature on photocatalytic H2O productivity of hierarchical porous ZnO microspheres. <i>Nanotechnology</i> , 2021 , 32,	3.4	4
712	Trace Derived from MOFs for Ultraefficient Heterogeneous Electro-Fenton Process: Enhanced Electron Transfer and Bimetallic Synergy. <i>ACS ES&T Engineering</i> , 2021 , 1, 1311-1322		7
711	Enhancement in the photocatalytic H2 production activity of CdS NRs by Ag2S and NiS dual cocatalysts. <i>Applied Catalysis B: Environmental</i> , 2021 , 288, 119994	21.8	73
710	Hydrogen-bond activation of N2 molecules and photocatalytic nitrogen fixation. <i>Chem</i> , 2021 , 7, 1983-1986.2	8	8
709	Few-Layered Mo x W1-x S2-Modified CdS Photocatalyst: One-Step Synthesis with Bifunctional Precursors and Improved H2-Evolution Activity. <i>Solar Rrl</i> , 2021 , 5, 2100387	7.1	10
708	Ultrathin 2D/2D Graphdiyne/Bi2WO6 Heterojunction for Gas-Phase CO2 Photoreduction. <i>ACS Applied Energy Materials</i> , 2021 , 4, 8734-8738	6.1	5
707	Sustained CO-photoreduction activity and high selectivity over Mn, C-codoped ZnO core-triple shell hollow spheres. <i>Nature Communications</i> , 2021 , 12, 4936	17.4	48
706	The radical and non-radical oxidation mechanism of electrochemically activated persulfate process on different cathodes in divided and undivided cell. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125804	12.8	5
705	Tuning the strength of built-in electric field in 2D/2D g-C3N4/SnS2 and g-C3N4/ZrS2 S-scheme heterojunctions by nonmetal doping. <i>Journal of Materiomics</i> , 2021 , 7, 988-997	6.7	26
704	Novel amorphous NiCuS H2-evolution cocatalyst: Optimizing surface hydrogen desorption for efficient photocatalytic activity. <i>Chemical Engineering Journal</i> , 2021 , 419, 129652	14.7	30

703	Solar-Driven Glucose Isomerization into Fructose via Transient Lewis Acid-Base Active Sites. <i>ACS Catalysis</i> , 2021 , 11, 12170-12178	13.1	7
702	In situ Irradiated XPS Investigation on S-Scheme TiO ₂ @ZnIn ₂ S Photocatalyst for Efficient Photocatalytic CO Reduction. <i>Small</i> , 2021 , 17, e2103447	11	95
701	Iron-carbon microelectrolysis for wastewater remediation: Preparation, performance and interaction mechanisms. <i>Chemosphere</i> , 2021 , 278, 130483	8.4	16
700	CsPbBr Nanocrystal Induced Bilateral Interface Modification for Efficient Planar Perovskite Solar Cells. <i>Advanced Science</i> , 2021 , 8, e2102648	13.6	24
699	In-situ preparation of TiO ₂ /N-doped graphene hollow sphere photocatalyst with enhanced photocatalytic CO ₂ reduction performance. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 1648-1658	11.3	20
698	Potassium/oxygen co-doped polymeric carbon nitride for enhanced photocatalytic CO ₂ reduction. <i>Applied Surface Science</i> , 2021 , 563, 150310	6.7	7
697	Generation of hydroxyl radicals by metal-free bifunctional electrocatalysts for enhanced organics removal. <i>Science of the Total Environment</i> , 2021 , 791, 148107	10.2	4
696	0D/2D CdS/ZnO composite with n-n heterojunction for efficient detection of triethylamine. <i>Journal of Colloid and Interface Science</i> , 2021 , 600, 898-909	9.3	11
695	Enhanced performance of CH ₃ NH ₃ PbI ₃ perovskite solar cells by excess halide modification. <i>Applied Surface Science</i> , 2021 , 564, 150464	6.7	8
694	Single-atom heterogeneous photocatalysts. <i>Chem Catalysis</i> , 2021 ,		10
693	Selective modification of ultra-thin g-C ₃ N ₄ nanosheets on the (110) facet of Au/BiVO ₄ for boosting photocatalytic H ₂ O ₂ production. <i>Applied Catalysis B: Environmental</i> , 2021 , 297, 120414	21.8	16
692	Hierarchical porous nickel supported NiFeOxHy nanosheets for efficient and robust oxygen evolution electrocatalyst under industrial condition. <i>Applied Catalysis B: Environmental</i> , 2021 , 299, 120668	21.8	12
691	Semiconductor Gas Sensor for Triethylamine Detection. <i>Small</i> , 2021 , e2104984	11	2
690	Room-temperature formaldehyde catalytic decomposition. <i>Environmental Science: Nano</i> , 2020 , 7, 3655-3709	10.9	20
689	Oxygen vacancies in metal oxides: recent progress towards advanced catalyst design. <i>Science China Materials</i> , 2020 , 63, 2089-2118	7.1	81
688	Enhanced Photocatalytic H ₂ -Production Activity of CdS Quantum Dots Using Sn as Cocatalyst under Visible Light Irradiation. <i>Small</i> , 2020 , 16, e2001024	11	76
687	Cooperatively modulating reactive oxygen species generation and bacteria-photocatalyst contact over graphitic carbon nitride by polyethylenimine for rapid water disinfection. <i>Applied Catalysis B: Environmental</i> , 2020 , 274, 119095	21.8	43
686	Efficient HO ₂ generation and spontaneous OH conversion for in-situ phenol degradation on nitrogen-doped graphene: Pyrolysis temperature regulation and catalyst regeneration mechanism. <i>Journal of Hazardous Materials</i> , 2020 , 397, 122681	12.8	20

685	CdS nanosheets decorated with Ni@graphene core-shell cocatalyst for superior photocatalytic H ₂ production. <i>Journal of Materials Science and Technology</i> , 2020 , 56, 170-178	9.1	55
684	Kinetic and mechanism study of UV/pre-magnetized-Fe/oxalate for removing sulfamethazine. <i>Journal of Hazardous Materials</i> , 2020 , 398, 122931	12.8	17
683	Topotactic Transformation of Bismuth Oxybromide into Bismuth Tungstate: Bandgap Modulation of Single-Crystalline {001}-Faceted Nanosheets for Enhanced Photocatalytic CO Reduction. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 26991-27000	9.5	29
682	Enhancement of hydrogen peroxide production by electrochemical reduction of oxygen on carbon nanotubes modified with fluorine. <i>Chemosphere</i> , 2020 , 259, 127423	8.4	21
681	Reaction: Rational Design of Highly Active Photocatalysts for CO ₂ Conversion. <i>CheM</i> , 2020 , 6, 1039-1040	16.2	67
680	Photocatalytic CO reduction of C/ZnO nanofibers enhanced by an Ni-NiS cocatalyst. <i>Nanoscale</i> , 2020 , 12, 7206-7213	7.7	49
679	Low-Temperature-Processed Zr/F Co-Doped SnO ₂ Electron Transport Layer for High-Efficiency Planar Perovskite Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 2000090	7.1	27
678	MXene-based photocatalysts. <i>Journal of Materials Science and Technology</i> , 2020 , 56, 18-44	9.1	92
677	A flow-through electro-Fenton process using modified activated carbon fiber cathode for orange II removal. <i>Chemosphere</i> , 2020 , 252, 126483	8.4	32
676	Comprehensive treatment of marine aquaculture wastewater by a cost-effective flow-through electro-oxidation process. <i>Science of the Total Environment</i> , 2020 , 722, 137812	10.2	46
675	Enhanced photochemical CO ₂ reduction in the gas phase by graphdiyne. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 7671-7676	13	33
674	Highly efficient electrosynthesis of hydrogen peroxide on a superhydrophobic three-phase interface by natural air diffusion. <i>Nature Communications</i> , 2020 , 11, 1731	17.4	136
673	Highly efficient and stable FeFe LDH carbon felt cathode for removal of pharmaceutical ofloxacin at neutral pH. <i>Journal of Hazardous Materials</i> , 2020 , 393, 122513	12.8	46
672	S-Scheme Heterojunction Photocatalyst. <i>CheM</i> , 2020 , 6, 1543-1559	16.2	719
671	A Single Cu-Center Containing Enzyme-Mimic Enabling Full Photosynthesis under CO Reduction. <i>ACS Nano</i> , 2020 , 14, 8584-8593	16.7	73
670	Degradation of Diclofenac Sodium by Pre-magnetization Fe ⁰ /Persulfate System: Efficiency and Degradation Pathway Study. <i>Water, Air, and Soil Pollution</i> , 2020 , 231, 1	2.6	4
669	Simultaneously Tuning Charge Separation and Oxygen Reduction Pathway on Graphitic Carbon Nitride by Polyethylenimine for Boosted Photocatalytic Hydrogen Peroxide Production. <i>ACS Catalysis</i> , 2020 , 10, 3697-3706	13.1	112
668	Graphdiyne: A Brilliant Hole Accumulator for Stable and Efficient Planar Perovskite Solar Cells. <i>Small</i> , 2020 , 16, e1907290	11	35

667	3D Graphene-Based H ₂ -Production Photocatalyst and Electrocatalyst. <i>Advanced Energy Materials</i> , 2020 , 10, 1903802	21.8	109
666	Electro-Fenton and photoelectro-Fenton degradation of sulfamethazine using an active gas diffusion electrode without aeration. <i>Chemosphere</i> , 2020 , 250, 126177	8.4	22
665	Construction of nickel cobalt sulfide nanosheet arrays on carbon cloth for performance-enhanced supercapacitor. <i>Journal of Materials Science and Technology</i> , 2020 , 47, 113-121	9.1	95
664	Designing a 0D/2D S-Scheme Heterojunction over Polymeric Carbon Nitride for Visible-Light Photocatalytic Inactivation of Bacteria. <i>Angewandte Chemie</i> , 2020 , 132, 5256-5263	3.6	10
663	Three-dimensional carbon foam supported MnO ₂ /Pt for rapid capture and catalytic oxidation of formaldehyde at room temperature. <i>Applied Catalysis B: Environmental</i> , 2020 , 267, 118689	21.8	72
662	Designing a 0D/2D S-Scheme Heterojunction over Polymeric Carbon Nitride for Visible-Light Photocatalytic Inactivation of Bacteria. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 5218-5225	16.4	400
661	Improving Artificial Photosynthesis over Carbon Nitride by Gas-Liquid-Solid Interface Management for Full Light-Induced CO Reduction to C and C Fuels and O. <i>ChemSusChem</i> , 2020 , 13, 1730-1734	8.3	33
660	EDTA, oxalate, and phosphate ions enhanced reactive oxygen species generation and sulfamethazine removal by zero-valent iron. <i>Journal of Hazardous Materials</i> , 2020 , 391, 122210	12.8	30
659	Step-scheme CdS/TiO ₂ nanocomposite hollow microsphere with enhanced photocatalytic CO ₂ reduction activity. <i>Journal of Materials Science and Technology</i> , 2020 , 56, 143-150	9.1	124
658	Principle and surface science of photocatalysis. <i>Interface Science and Technology</i> , 2020 , 31, 1-38	2.3	7
657	Hierarchical porous photocatalysts. <i>Interface Science and Technology</i> , 2020 , 63-102	2.3	2
656	Surface heterojunction of photocatalysts. <i>Interface Science and Technology</i> , 2020 , 31, 161-191	2.3	1
655	An in situ assembled WO ₃ -TiO ₂ vertical heterojunction for enhanced Z-scheme photocatalytic activity. <i>Nanoscale</i> , 2020 , 12, 8775-8784	7.7	20
654	2D/2D/0D TiO ₂ /C ₃ N ₄ /Ti ₃ C ₂ MXene composite S-scheme photocatalyst with enhanced CO ₂ reduction activity. <i>Applied Catalysis B: Environmental</i> , 2020 , 272, 119006	21.8	298
653	Recent advances in g-C ₃ N ₄ -based heterojunction photocatalysts. <i>Journal of Materials Science and Technology</i> , 2020 , 56, 1-17	9.1	137
652	High-efficiency degradation of organic pollutants with Fe, N co-doped biochar catalysts via persulfate activation. <i>Journal of Hazardous Materials</i> , 2020 , 397, 122764	12.8	94
651	Surface modification of g-C ₃ N ₄ : first-principles study. <i>Interface Science and Technology</i> , 2020 , 31, 509-539	2.3	2
650	Triethanolamine-mediated photodeposition formation of amorphous Ni-P alloy for improved H ₂ -evolution activity of g-C ₃ N ₄ . <i>Science China Materials</i> , 2020 , 63, 2215-2227	7.1	33

649	MnCo Oxides Supported on Carbon Fibers for High-Performance Supercapacitors. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2020 , 36, 1907072-0	3.8	13
648	Photocatalysts based on polymeric carbon nitride for solar-to-fuel conversion. <i>Interface Science and Technology</i> , 2020 , 31, 475-507	2.3	0
647	A Blinking Mesoporous TiO ₂ Composed of Nanosized Anatase with Unusually Long-Lived Trapped Charge Carriers. <i>Angewandte Chemie</i> , 2020 , 132, 15110-15117	3.6	0
646	Global regulator engineering enhances bioelectricity generation in <i>Pseudomonas aeruginosa</i> -inoculated MFCs. <i>Biosensors and Bioelectronics</i> , 2020 , 163, 112269	11.8	5
645	Plasmon-induced interfacial charge-transfer transition prompts enhanced CO ₂ photoreduction over Cu/Cu ₂ O octahedrons. <i>Chemical Engineering Journal</i> , 2020 , 397, 125390	14.7	38
644	Enhanced photocatalytic H ₂ -production activity of WO ₃ /TiO ₂ step-scheme heterojunction by graphene modification. <i>Chinese Journal of Catalysis</i> , 2020 , 41, 9-20	11.3	255
643	ZIF-67 derived nickel cobalt sulfide hollow cages for high-performance supercapacitors. <i>Applied Surface Science</i> , 2020 , 504, 144501	6.7	59
642	Role of adsorption and oxidation in porous carbon aerogel/persulfate system for non-radical degradation of organic contaminant. <i>Chemosphere</i> , 2020 , 241, 125066	8.4	20
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629	Graphdiyne-modified TiO nanofibers with osteoinductive and enhanced photocatalytic antibacterial activities to prevent implant infection. <i>Nature Communications</i> , 2020 , 11, 4465	17.4	101
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627	Kinetic study of the degradation of rhodamine B using a flow-through UV/electro-Fenton process with the presence of ethylenediaminetetraacetic acid. <i>Chemosphere</i> , 2020 , 240, 124929	8.4	6
626	Pre-magnetized Fe as heterogeneous electro-Fenton catalyst for the degradation of p-nitrophenol at neutral pH. <i>Chemosphere</i> , 2020 , 240, 124962	8.4	16
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611	Ethyl acetate-induced formation of amorphous MoS _x nanoclusters for improved H ₂ -evolution activity of TiO ₂ photocatalyst. <i>Chemical Engineering Journal</i> , 2019 , 375, 121934	14.7	58
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