

Yi Xie

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.

714
papers

67,982
citations

134
h-index

238
g-index

779
ext. papers

77,771
ext. citations

10.1
avg, IF

8.23
L-index

#	Paper	IF	Citations
7 ¹⁴	Progress and perspectives for engineering and recognizing active sites of two-dimensional materials in CO ₂ electroreduction. <i>Science China Chemistry</i> , 2022 , 65, 428	7.9	3
7 ¹³	Epitaxial Growth of Ultrathin Highly-Crystalline Pt-Ni Nanostructure on Metal Carbide Template for Efficient Oxygen Reduction Reaction.. <i>Advanced Materials</i> , 2022 , e2109188	24	2
7 ¹²	Rational design of electrocatalytic carbon dioxide reduction for a zero-carbon network.. <i>Chemical Society Reviews</i> , 2022 ,	58.5	7
7 ¹¹	Constructing artificial mimic-enzyme catalysts for carbon dioxide electroreduction. <i>Science China Chemistry</i> , 2022 , 65, 106	7.9	4
7 ¹⁰	Layered thermoelectric materials: Structure, bonding, and performance mechanisms. <i>Applied Physics Reviews</i> , 2022 , 9, 011303	17.3	4
7 ⁰⁹	Host-guest Intercalation Chemistry for the Synthesis and Modification of Two-dimensional Transition Metal Dichalcogenides.. <i>Advanced Materials</i> , 2022 , e2200425	24	0
7 ⁰⁸	Sintering Bi ₂ O ₃ ·B ₂ O ₃ ·ZnO ternary low temperature glass by hydration device to solidify iodine containing silver-coated silica gel. <i>Radiochimica Acta</i> , 2022 , 110, 193-203	1.9	
7 ⁰⁷	Interfacial ion regulation on 2D layered double hydroxide nanosheets for enhanced thermal insulation. <i>Science China Chemistry</i> , 2022 , 65, 898	7.9	
7 ⁰⁶	Immobilization of iodine waste at low sintering temperature: Phase evolution and microstructure transformation. <i>Annals of Nuclear Energy</i> , 2022 , 173, 109145	1.7	0
7 ⁰⁵	Designing a redox heterojunction for photocatalytic "overall nitrogen fixation" under mild conditions.. <i>Advanced Materials</i> , 2022 , e2200563	24	7
7 ⁰⁴	Behavioral Intention to Resist the Consumption of Wild Animals in China: Netizen Survey. <i>Diversity</i> , 2022 , 14, 343	2.5	
7 ⁰³	Predictors of the Behavioral Intention to Participate in Saiga Antelope Conservation among Chinese Young Residents. <i>Diversity</i> , 2022 , 14, 411	2.5	
7 ⁰²	Conversion of Waste Plastics into Value-Added Carbonaceous Fuels under Mild Conditions (Adv. Mater. 50/2021). <i>Advanced Materials</i> , 2021 , 33, 2170398	24	2
7 ⁰¹	Asymmetric Triple-Atom Sites Confined in Ternary Oxide Enabling Selective CO Photothermal Reduction to Acetate. <i>Journal of the American Chemical Society</i> , 2021 , 143, 18233-18241	16.4	20
7 ⁰⁰	Dual Nanoislands on Ni/C Hybrid Nanosheet Activate Superior Hydrazine Oxidation-Assisted High-Efficiency H ₂ Production. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	6
6 ⁹⁹	Ce-Doped WO ₃ Nanowires for Tuning N ₂ Activation toward Direct Nitrate Photosynthesis. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 11295-11302	6.4	4
6 ⁹⁸	Ultrathin In-Plane Heterostructures for Efficient CO ₂ Chemical Fixation. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	3

697	Ecological Approach for the Evaluation of Structure and Sustainability in the Tourism Industry. <i>Sustainability</i> , 2021 , 13, 13294	3.6	2
696	Enhanced syngas production from CO photoreduction over CoPd alloy modified NiAl-LDH under visible light. <i>Chemical Communications</i> , 2021 , 57, 11629-11632	5.8	1
695	Surface modification boosts exciton extraction in confined layered structure for selective oxidation reaction. <i>Science China Chemistry</i> , 2021 , 64, 1964	7.9	1
694	Stoichiometric two-dimensional non-van der Waals AgCrS with superionic behaviour at room temperature. <i>Nature Chemistry</i> , 2021 , 13, 1235-1240	17.6	14
693	Janus Metal-Organic Frameworks/Wood Aerogel Composites for Boosting Catalytic Performance by Le Châtelier's Principle. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 51039-51047	9.5	2
692	Pd homojunctions enable remarkable CO electroreduction. <i>Chemical Communications</i> , 2021 ,	5.8	1
691	Selective CO Photoreduction into C Product Enabled by Charge-Polarized Metal Pair Sites. <i>Nano Letters</i> , 2021 , 21, 2324-2331	11.5	26
690	Boosting the electrochromic performance of TiO ₂ nanowire film via successively evolving surface structure. <i>Science China Chemistry</i> , 2021 , 64, 745-752	7.9	0
689	In-plane heterostructured Ag ₂ S-In ₂ S ₃ atomic layers enabling boosted CO ₂ photoreduction into CH ₄ . <i>Nano Research</i> , 2021 , 14, 4520	10	4
688	Solid-liquid phase transition induced electrocatalytic switching from hydrogen evolution to highly selective CO ₂ reduction. <i>Nature Catalysis</i> , 2021 , 4, 202-211	36.5	25
687	Efficient Photooxidation of Methane to Liquid Oxygenates over ZnO Nanosheets at Atmospheric Pressure and Near Room Temperature. <i>Nano Letters</i> , 2021 , 21, 4122-4128	11.5	12
686	Conversion of Waste Plastics into Value-Added Carbonaceous Fuels under Mild Conditions. <i>Advanced Materials</i> , 2021 , e2005192	24	19
685	Immobilize CeO ₂ as simulated nuclear waste in natural magmatic granite: maximum solid solubility. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021 , 328, 795-803	1.5	
684	Exciton-Mediated Energy Transfer in Heterojunction Enables Infrared Light Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 12891-12896	16.4	12
683	Ultrastable and Efficient Visible-light-driven CO Reduction Triggered by Regenerative Oxygen-Vacancies in Bi ₂ O ₃ Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 13840-13846	16.4	29
682	Ultrastable and Efficient Visible-light-driven CO ₂ Reduction Triggered by Regenerative Oxygen-Vacancies in Bi ₂ O ₂ CO ₃ Nanosheets. <i>Angewandte Chemie</i> , 2021 , 133, 13959-13965	3.6	5
681	Exciton-Mediated Energy Transfer in Heterojunction Enables Infrared Light Photocatalysis. <i>Angewandte Chemie</i> , 2021 , 133, 13001-13006	3.6	1
680	One-Dimensional Frenkel Chain Defects in CsBiTe. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 5319-5323	3.3	0

679	Direct immobilization of iodine-loaded silver-coated silica gel with silicate glass powders at low temperature. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021 , 329, 401-410	1.5	0
678	Constructing charge transfer channel between dopants and oxygen vacancies for enhanced visible-light-driven water oxidation. <i>Nano Research</i> , 2021 , 14, 3365-3371	10	4
677	Novel method for efficient solidification the iodine contained waste by B ₂ O ₃ -Bi ₂ O ₃ glass powder at very low temperature. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021 , 329, 1467-1476	1.5	1
676	Efficient interlayer charge release for high-performance layered thermoelectrics. <i>National Science Review</i> , 2021 , 8, nwaa085	10.8	9
675	Low-sintering-temperature borosilicate glass to immobilize silver-coated silica-gel with different iodine loadings. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123588	12.8	8
674	Immobilization of iodine waste forms: A low-sintering temperature with Bi ₂ O ₃ -B ₂ O ₃ -ZnO glass. <i>Annals of Nuclear Energy</i> , 2021 , 150, 107817	1.7	10
673	Immobilization of silver-coated silica gel with varying iodine loading in silicate glass ceramics. <i>Journal of Non-Crystalline Solids</i> , 2021 , 551, 120433	3.9	2
672	Rapid solidification of Sr-contaminated soil by consecutive microwave sintering: mechanism and stability evaluation. <i>Journal of Hazardous Materials</i> , 2021 , 407, 124761	12.8	16
671	Role of amorphous silica gel in B ₂ O ₃ -Bi ₂ O ₃ -ZnO-SiO ₂ to immobilize iodine waste. <i>Journal of Nuclear Materials</i> , 2021 , 543, 152619	3.3	7
670	Artificial Heterointerfaces Achieve Delicate Reaction Kinetics towards Hydrogen Evolution and Hydrazine Oxidation Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 5984-5993	16.4	72
669	Artificial Heterointerfaces Achieve Delicate Reaction Kinetics towards Hydrogen Evolution and Hydrazine Oxidation Catalysis. <i>Angewandte Chemie</i> , 2021 , 133, 6049-6058	3.6	9
668	Vacancy cluster-induced local disordered structure for the enhancement of thermoelectric property in Cu ₂ ZnSnSe ₄ . <i>Journal of Materials Chemistry A</i> , 2021 , 9, 1006-1013	13	6
667	Probing reaction pathways for H ₂ O-mediated HCHO photooxidation at room temperature. <i>Nano Research</i> , 2021 , 14, 1471-1478	10	3
666	Heavy-ion irradiation effects on uranium-contaminated soil for nuclear waste. <i>Journal of Hazardous Materials</i> , 2021 , 405, 124273	12.8	6
665	The immobilization on various concentrations of iodine in silver-coated silica gel via B ₂ O ₃ -Bi ₂ O ₃ based material. <i>Materials Chemistry and Physics</i> , 2021 , 259, 124040	4.4	1
664	Immobilization of simulated An ³⁺ into synthetic Gd ₂ Zr ₂ O ₇ ceramic by SPS without occupation or valence design. <i>Ceramics International</i> , 2021 , 47, 6329-6335	5.1	2
663	Application of silica gel to immobilise iodine waste by low-temperature sintering. <i>Philosophical Magazine Letters</i> , 2021 , 101, 79-84	1	1
662	Effect of improved trialkyl phosphine oxides waste content on phase composition and density of spark plasma sintered Gd ₂ Zr ₂ O ₇ ceramics. <i>International Journal of Energy Research</i> , 2021 , 45, 8724-8734	4.5	1

661	Utilization of B ₂ O ₃ -Bi ₂ O ₃ -ZnO low-temperature glass-ceramics to immobilize iodine-loaded silver-coated silica-gel. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 10462-10471	7.1	1
660	Quantum Griffiths Singularity in a Layered Superconducting Organic-Inorganic Hybrid Superlattice 2021 , 3, 210-216		2
659	Xe ²⁰⁺ irradiation effects on soil holding simulated An ⁴⁺ waste. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021 , 327, 1159-1166	1.5	2
658	Handedness Inversion of Chiral 3-Aminophenol Formaldehyde Resin Nanotubes Mediated by Metal Coordination. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 7759-7769	16.4	6
657	Intrinsically Low Lattice Thermal Conductivity in Natural Superlattice (Bi ₂) _m (Bi ₂ Te ₃) _n Thermoelectric Materials. <i>Chemistry of Materials</i> , 2021 , 33, 1140-1148	9.6	9
656	Mechanical and leaching properties of neodymium-contaminated soil glass-ceramics. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 2521-2529	3.8	7
655	Recent advances in novel aerogels through the hybrid aggregation of inorganic nanomaterials and polymeric fibers for thermal insulation. <i>Aggregate</i> , 2021 , 2, e30	22.9	6
654	Handedness Inversion of Chiral 3-Aminophenol Formaldehyde Resin Nanotubes Mediated by Metal Coordination. <i>Angewandte Chemie</i> , 2021 , 133, 7838-7848	3.6	0
653	Rapid and Scalable Synthesis of Prussian Blue Analogue Nanocubes for Electrocatalytic Water Oxidation. <i>Chinese Journal of Chemistry</i> , 2021 , 39, 2347-2353	4.9	3
652	Photoenhanced Dual-Functional Nanomedicine for Promoting Wound Healing: Shifting Focus from Bacteria Eradication to Host Microenvironment Modulation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 32316-32331	9.5	10
651	Subsize Pt-based intermetallic compound enables long-term cyclic mass activity for fuel-cell oxygen reduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	14
650	Nitrogen-Doped Cobalt Diselenide with Cubic Phase Maintained for Enhanced Alkaline Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 21575-21582	16.4	20
649	Low-temperature fabrication of glass-based iodine waste forms via a novel preparation method. <i>Journal of Solid State Chemistry</i> , 2021 , 300, 122186	3.3	3
648	Surface microenvironment optimization- induced robust oxygen reduction for neutral zinc-air batteries. <i>Natural Sciences</i> , 2021 , 1, e20210005		1
647	Rural Residents' Participation Intention in Community Forestry-Challenge and Prospect of Community Forestry in Sri Lanka. <i>Forests</i> , 2021 , 12, 1050	2.8	2
646	Self-Monitoring the Endo-Lysosomal Escape and Near-Infrared-Activated Mitophagy To Guide Synergistic Type-I Photodynamic and Photothermal Therapy. <i>Analytical Chemistry</i> , 2021 , 93, 12059-12066	7.8	2
645	Nitrogen-Doped Cobalt Diselenide with Cubic Phase Maintained for Enhanced Alkaline Hydrogen Evolution. <i>Angewandte Chemie</i> , 2021 , 133, 21745-21752	3.6	3
644	Lanthanum-doped Ni(OH) ₂ 1D-2D-3D hierarchical nanostructures for robust bifunctional electro-oxidation. <i>Particuology</i> , 2021 , 57, 104-111	2.8	10

643	Shedding Light on the Role of Chemical Bond in Catalysis of Nitrogen Fixation. <i>Advanced Materials</i> , 2021 , 33, e2007891	24	6
642	Spin-Dependent Transport at 2D Solids: From Nonmagnetic Layers to Ferromagnetic van der Waals Structures. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 9730-9740	6.4	
641	Structural Transformation of Heterogeneous Materials for Electrocatalytic Oxygen Evolution Reaction. <i>Chemical Reviews</i> , 2021 , 121, 13174-13212	68.1	51
640	Response of simulated An ³⁺ /An ⁴⁺ radioactive soil vitrification under alpha-particle irradiation. <i>Radiation Physics and Chemistry</i> , 2021 , 187, 109567	2.5	
639	Selective CH Partial Photooxidation by Positively Charged Metal Clusters Anchored on Carbon Aerogel under Mild Conditions.. <i>Nano Letters</i> , 2021 ,	11.5	2
638	Immobilization of iodine waste in B ₂ O ₃ âBi ₂ O ₃ âZnO based materials: maximum solid solubility. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020 , 326, 1447-1456	1.5	2
637	Parasitic Ferromagnetism in Few-Layered Transition-Metal Chalcogenophosphate. <i>Journal of the American Chemical Society</i> , 2020 , 142, 10849-10855	16.4	9
636	B ₂ O ₃ âBi ₂ O ₃ âZnO based materials for low-sintering temperature immobilization of iodine adsorbed waste. <i>Journal of Solid State Chemistry</i> , 2020 , 289, 121518	3.3	19
635	Low-Dimensional Semiconductors in Artificial Photosynthesis: An Outlook for the Interactions between Particles/Quasiparticles. <i>ACS Central Science</i> , 2020 , 6, 1058-1069	16.8	8
634	Ketones as Molecular Co-catalysts for Boosting Exciton-Based Photocatalytic Molecular Oxygen Activation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 11093-11100	16.4	14
633	Economic Performance of Forest Plantations in Vietnam: Eucalyptus, Acacia mangium, and Manglietia conifera. <i>Forests</i> , 2020 , 11, 284	2.8	16
632	Excitonic Effects in Polymeric Photocatalysts. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22828-22832	3.6	9
631	Immobilization of simulated An ⁴⁺ in radioactive contaminated clay via microwave sintering. <i>Materials Chemistry and Physics</i> , 2020 , 254, 123534	4.4	3
630	Natural Soft/Rigid Superlattices as Anodes for High-Performance Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17494-17498	16.4	8
629	Surface Nitrogen-Injection Engineering for High Formation Rate of CO Reduction to Formate. <i>Nano Letters</i> , 2020 , 20, 6097-6103	11.5	28
628	Excitonic Effects in Polymeric Photocatalysts. <i>Angewandte Chemie</i> , 2020 , 132, 23024-23035	3.6	9
627	Natural Soft/Rigid Superlattices as Anodes for High-Performance Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2020 , 132, 17647-17651	3.6	0
626	Colloidal Behaviors of Two-Dimensional Titanium Carbide in Natural Surface Waters: The Role of Solution Chemistry. <i>Environmental Science & Technology</i> , 2020 , 54, 3353-3362	10.3	9

625	Photocatalytic Conversion of Waste Plastics into C2 Fuels under Simulated Natural Environment Conditions. <i>Angewandte Chemie</i> , 2020 , 132, 15627-15631	3.6	7
624	Defect engineering in two-dimensional electrocatalysts for hydrogen evolution. <i>Nanoscale</i> , 2020 , 12, 4283-4294	7.7	42
623	Treating Acute Kidney Injury with Antioxidative Black Phosphorus Nanosheets. <i>Nano Letters</i> , 2020 , 20, 1447-1454	11.5	54
622	A self-cleaning zwitterionic nanofibrous membrane for highly efficient oil-in-water separation. <i>Science of the Total Environment</i> , 2020 , 729, 138876	10.2	21
621	Progress and Perspective for In Situ Studies of CO Reduction. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9567-9581	16.4	75
620	Ketones as Molecular Co-catalysts for Boosting Exciton-Based Photocatalytic Molecular Oxygen Activation. <i>Angewandte Chemie</i> , 2020 , 132, 11186-11193	3.6	2
619	Simulated self-irradiation effects of Gd ₂ Ce ₂ O ₇ nuclear waste form. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020 , 324, 271-276	1.5	0
618	Immobilization of simulated waste into pure Gd ₂ Zr ₂ O ₇ pyrochlore without space occupancy design. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 4700-4712	3.8	1
617	Broad-Spectral-Response Photocatalysts for CO Reduction. <i>ACS Central Science</i> , 2020 , 6, 653-660	16.8	33
616	Defects Engineering with Multiple Dimensions in Thermoelectric Materials. <i>Research</i> , 2020 , 2020, 9652749	4.8	33
615	Effective governance for management of invasive alien plants: evidence from the perspective of forest and wildlife officers in Sri Lanka. <i>PeerJ</i> , 2020 , 8, e8343	3.1	3
614	Impacts of community forestry on forest condition: Evidence from Sri Lanka's intermediate zone. <i>PLoS ONE</i> , 2020 , 15, e0239405	3.7	2
613	Surface Defects in Two-Dimensional Photocatalysts for Efficient Organic Synthesis. <i>Matter</i> , 2020 , 2, 842-867	16.7	48
612	Surface/interface nanoengineering for rechargeable Zn-air batteries. <i>Energy and Environmental Science</i> , 2020 , 13, 1132-1153	35.4	148
611	Ecological labeling and wildlife conservation: Citizens' perceptions of the elephant ivory-labeling system in China. <i>Science of the Total Environment</i> , 2020 , 702, 134709	10.2	4
610	High-purity pyrrole-type FeN ₄ sites as a superior oxygen reduction electrocatalyst. <i>Energy and Environmental Science</i> , 2020 , 13, 111-118	35.4	158
609	Ab initio calculation of mechanical and thermodynamic properties of Gd ₂ Zr ₂ O ₇ pyrochlore. <i>Materials Chemistry and Physics</i> , 2020 , 243, 122565	4.4	2
608	Efficient infrared light induced CO ₂ reduction with nearly 100% CO selectivity enabled by metallic CoN porous atomic layers. <i>Nano Energy</i> , 2020 , 69, 104421	17.1	47

607	Two-Dimensional Hierarchical Fe ₂ N ₄ Electrocatalyst for Zn-Air Batteries with Ultrahigh Specific Capacity 2020 , 2, 35-41		16
606	Nanopore Confinement of Electrocatalysts Optimizing Triple Transport for an Ultrahigh-Power-Density Zinc-Air Fuel Cell with Robust Stability. <i>Advanced Materials</i> , 2020 , 32, e200325†24		38
605	Local structure engineering for active sites in fuel cell electrocatalysts. <i>Science China Chemistry</i> , 2020 , 63, 1543-1556	7.9	3
604	Opportunity of Atomically Thin Two-Dimensional Catalysts for Promoting CO Electroreduction. <i>Accounts of Chemical Research</i> , 2020 , 53, 2964-2974	24.3	25
603	Chinese Resident Preferences for African Elephant Conservation: Choice Experiment. <i>Diversity</i> , 2020 , 12, 453	2.5	3
602	High-Density Planar-like Fe ₂ N ₆ Structure Catalyzes Efficient Oxygen Reduction. <i>Matter</i> , 2020 , 3, 509-521†2.7	12.7	71
601	An Excitonic Perspective on Low-Dimensional Semiconductors for Photocatalysis. <i>Journal of the American Chemical Society</i> , 2020 , 142, 14007-14022	16.4	58
600	Farmers' Intentions to Lease Forestland: Evidence from Rural China. <i>Land</i> , 2020 , 9, 78	3.5	2
599	Defect-engineered transition metal hydroxide nanosheets realizing tumor-microenvironment-responsive multimodal-imaging-guided NIR-II photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 8323-8336	7.3	9
598	Fundamentals and challenges of ultrathin 2D photocatalysts in boosting CO photoreduction. <i>Chemical Society Reviews</i> , 2020 , 49, 6592-6604	58.5	101
597	A NIR-I light-responsive superoxide radical generator with cancer cell membrane targeting ability for enhanced imaging-guided photodynamic therapy. <i>Chemical Science</i> , 2020 , 11, 10279-10286	9.4	26
596	Metal-Phenolic Networks Nanoplatfom to Mimic Antioxidant Defense System for Broad-Spectrum Radical Eliminating and Endotoxemia Treatment. <i>Advanced Functional Materials</i> , 2020 , 30, 2002234	15.6	31
595	Fast Lithium Ion Conductivity in Layered (Li-Ag)CrS. <i>Journal of the American Chemical Society</i> , 2020 , 142, 18645-18651	16.4	12
594	Modulation of electronic structures in two-dimensional electrocatalysts for the hydrogen evolution reaction. <i>Chemical Communications</i> , 2020 , 56, 11910-11930	5.8	20
593	Rapid synthesis of Gd ₂ Zr ₂ O ₇ glass-ceramics using spark plasma sintering. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 597-603	3.8	3
592	Vapor induced phase separation towards anion-/near-infrared-responsive pore channels for switchable anti-fouling membranes. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 8934-8948	13	11
591	Photocatalytic Conversion of Waste Plastics into C Fuels under Simulated Natural Environment Conditions. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 15497-15501	16.4	67
590	Sustainable Transformative Economy: Community-Based Ecotourism. <i>Sustainability</i> , 2019 , 11, 4977	3.6	8

589	Emerging natural and tailored materials for uranium-contaminated water treatment and environmental remediation. <i>Progress in Materials Science</i> , 2019 , 103, 180-234	42.2	229
588	Constructing Hierarchical Wire-on-Sheet Nanoarrays in Phase-Regulated Cerium-Doped Nickel Hydroxide for Promoted Urea Electro-oxidation 2019 , 1, 103-110		56
587	Porous NiFe-oxide nanocubes derived from prussian blue analogue as efficient adsorbents for the removal of toxic metal ions and organic dyes. <i>Journal of Hazardous Materials</i> , 2019 , 379, 120786	12.8	39
586	Engineering of Tannic Acid Inspired Antifouling and Antibacterial Membranes through Co-deposition of Zwitterionic Polymers and Ag Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 11689-11697	3.9	30
585	Synthesis of novel nanomaterials and their application in efficient removal of radionuclides. <i>Science China Chemistry</i> , 2019 , 62, 933-967	7.9	186
584	Tailoring Electronic Structure of Atomically Dispersed Metal-3S1 Active Sites for Highly Efficient Oxygen Reduction Catalysis 2019 , 1, 139-146		19
583	Freestanding Cubic ZrN Single-Crystalline Films with Two-Dimensional Superconductivity. <i>Journal of the American Chemical Society</i> , 2019 , 141, 10183-10187	16.4	4
582	Optimal coordination-site exposure engineering in porous platinum for outstanding oxygen reduction performance. <i>Chemical Science</i> , 2019 , 10, 5589-5595	9.4	13
581	Efficient Exciton Dissociation in Heterojunction Interfaces Realizing Enhanced Photoresponsive Performance. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 2904-2910	6.4	16
580	Single Mo atom realized enhanced CO ₂ electro-reduction into formate on N-doped graphene. <i>Nano Energy</i> , 2019 , 61, 428-434	17.1	66
579	Coupling g-CN nanosheets with metal-organic frameworks as 2D/3D composite for the synergetic removal of uranyl ions from aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2019 , 550, 117-127	9.3	53
578	Intrinsic Negative Magnetoresistance in Van Der Waals FeNbTe Single Crystals. <i>Advanced Materials</i> , 2019 , 31, e1900246	24	10
577	Photocatalytic CO Conversion of MWO Directly from the Air with High Selectivity: Insight into Full Spectrum-Induced Reaction Mechanism. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5267-5274	16.4	146
576	High Phase Purity of Large-Sized 1T'-MoS Monolayers with 2D Superconductivity. <i>Advanced Materials</i> , 2019 , 31, e1900568	24	53
575	Interfacial engineering of cobalt sulfide/graphene hybrids for highly efficient ammonia electrosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 6635-6640	11.5	175
574	What Motivates Speculators to Speculate?. <i>Entropy</i> , 2019 , 22,	2.8	6
573	Codeposition of Polydopamine and Zwitterionic Polymer on Membrane Surface with Enhanced Stability and Antibiofouling Property. <i>Langmuir</i> , 2019 , 35, 1430-1439	4	44
572	Photoresponsive polymeric carbon nitride-based materials: Design and application. <i>Materials Today</i> , 2019 , 23, 72-86	21.8	58

571	Visible-Light-Driven Overall Water Splitting Boosted by Tetrahedrally Coordinated Blende Cobalt(II) Oxide Atomic Layers. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3032-3036	16.4	29
570	Visible-Light-Driven Overall Water Splitting Boosted by Tetrahedrally Coordinated Blende Cobalt(II) Oxide Atomic Layers. <i>Angewandte Chemie</i> , 2019 , 131, 3064-3068	3.6	15
569	Photocatalytic nitrogen fixation: the role of defects in photocatalysts. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19616-19633	13	108
568	Preferential Microstructure Design of Two-Dimensional Electrocatalysts for Boosted Oxygen Evolution Reaction. <i>ChemCatChem</i> , 2019 , 11, 4662-4670	5.2	16
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