Chang 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.

925 papers	50,691 citations	103 h-index	187 g-index
971 ext. papers	56,543 ext. citations	7.6 avg, IF	8 L-index

#	Paper	IF	Citations
925	Recent progress in tannic acid-driven antibacterial/antifouling surface coating strategies.. *Journal of Materials Chemistry B*, **2022**,	7.3	3
924	High S Filling and Binder-Free Cathodes Enabled by Thick Arrayed Nanoframeworks and Subtle Interfacial Engineering. *ACS Applied Energy Materials*, **2022**, 5, 1313-1321	6.1	0
923	A Weavable and Scalable Cotton-Yarn-Based Battery Activated by Human Sweat for Textile Electronics.. *Advanced Science*, **2022**, e2103822	13.6	3
922	Living cell-based ultrahigh-supercapacitive behaviours. *Journal of Materials Chemistry A*, **2022**, 10, 1241-1247	13	0
921	Vanadium pentoxide flat-nanofiber networked thin layer-structure to initiate intercalated polymerization for rapidly producing superior conductive hydrogel and its biomimetic hydrogen peroxide sensing application.. *Journal of Colloid and Interface Science*, **2022**, 615, 357-365	9.3	0
920	Active sites-rich layered double hydroxide for nitrate-to-ammonia production with high selectivity and stability. *Chemical Engineering Journal*, **2022**, 434, 134641	14.7	2
919	Significantly enhanced photocatalytic in-situ H2O2 production and consumption activities for efficient sterilization by ZnIn2S4/g-C3N4 heterojunction. *Carbon*, **2022**, 190, 337-347	10.4	6
918	Imidazole-induced manganese oxide nanocrystals on carbon nanofiber hybridized with gold nanoparticles as bifunctional biomimetic enzyme in live-cell assays.. *Journal of Colloid and Interface Science*, **2022**, 614, 288-297	9.3	0
917	Construction of BiVO/NiCoO nanosheet Z-scheme heterojunction for highly boost solar water oxidation.. *Journal of Colloid and Interface Science*, **2022**, 613, 265-275	9.3	1
916	Dynamically self-assembled adenine-mediated synthesis of pristine graphene-supported clean Pd nanoparticles with superior electrocatalytic performance toward formic acid oxidation.. *Journal of Colloid and Interface Science*, **2022**, 613, 515-523	9.3	1
915	Methylene blue intercalated aptamer to amplify signals toward sensitively electrochemical detection of dopamine released from living Parkinson's disease model cells. *Sensors and Actuators Reports*, **2022**, 4, 100080	4.7	2
914	Efficient photocatalytic H2-evolution coupled with valuable furfural-production on exquisite 2D/2D LaVO4/g-C3N4 heterostructure. *Nano Energy*, **2022**, 92, 106714	17.1	8
913	Sandwiching Phosphorene with Iron Porphyrin Monolayer for High Stability and Its Biomimetic Sensor to Sensitively Detect Living Cell Released NO.. *Advanced Science*, **2022**, e2104066	13.6	4
912	Pre-doping iodine to restrain formation of low-active graphitic-N in hard carbon for significantly boosting sodium storage performance. *Carbon*, **2022**, 186, 193-204	10.4	3
911	Molecularly assembled graphdiyne with atomic sites for ultrafast and real-time detection of nitric oxide in cell assays. *Biosensors and Bioelectronics*, **2022**, 195, 113630	11.8	5
910	Rationally tuning ratio of micro- to meso-pores of biomass-derived ultrathin carbon sheets toward supercapacitors with high energy and high power density. *Journal of Colloid and Interface Science*, **2022**, 606, 817-825	9.3	12
909	Self-assembled ultrasmall mixed CoW phosphide nanoparticles on pristine graphene with remarkable synergistic effects as highly efficient electrocatalysts for hydrogen evolution. *Journal of Materials Chemistry A*, **2022**, 10, 7694-7704	13	0

908	Photoactive Manganese Ferrite-Modified Bacterial Anode to Simultaneously Boost Both Mediated and Direct Electron Transfer Processes in Microbial Fuel Cells. *ACS Sustainable Chemistry and Engineering*, **2022**, 10, 3355-3362	8.3	0
907	Interface engineering cerium-doped copper nanocrystal for efficient electrochemical nitrate-to-ammonia production. *Electrochimica Acta*, **2022**, 411, 140095	6.7	1
906	Electrospinning iron-doped carbon fiber to simultaneously boost both mediating and direct biocatalysis for high-performance microbial fuel cell. *Journal of Power Sources*, **2022**, 530, 231277	8.9	2
905	Phytic Acid-Promoted rapid fabrication of natural polypeptide coatings for multifunctional applications. *Chemical Engineering Journal*, **2022**, 440, 135917	14.7	0
904	Wastewater-powered high-value chemical synthesis in a hybrid bioelectrochemical system. *IScience*, **2021**, 24, 103401	6.1	3
903	A FeN/carbon composite electrocatalyst for effective polysulfides regulation in room-temperature Na-S batteries. *Nature Communications*, **2021**, 12, 6347	17.4	15
902	Portable Flow Injection Amperometric Sensor Consisting of Pd Nanochains, Graphene Nanoflakes, and WS2 Nanosheets for Formaldehyde Detection. *ACS Applied Nano Materials*, **2021**, 4, 12429-12441	5.6	4
901	Observation of 4-order water oxidation kinetics by time-resolved photovoltage spectroscopy.. *IScience*, **2021**, 24, 103500	6.1	1
900	Theoretical Insights into Superior Nitrate Reduction to Ammonia Performance of Copper Catalysts. *ACS Catalysis*, **2021**, 11, 14417-14427	13.1	22
899	Facile method to produce sub-1 nm pore-rich carbon from biomass wastes for high performance supercapacitors.. *Journal of Colloid and Interface Science*, **2021**, 612, 213-222	9.3	2
898	self-assembled N-rich carbon on pristine graphene as a highly effective support and cocatalyst of short Pt nanoparticle chains for superior electrocatalytic activity toward methanol oxidation. *Nanoscale*, **2021**, 13, 18332-18339	7.7	2
897	Surface and interface engineering of hollow carbon sphere-based electrocatalysts for the oxygen reduction reaction. *Journal of Materials Chemistry A*, **2021**, 9, 25706-25730	13	1
896	Closed-Loop Modeling to Evaluate the Performance of a Scaled-Up Lithium-Sulfur Battery in Electric Vehicle Applications. *Applied Sciences (Switzerland)*, **2021**, 11, 9593	2.6	
895	Oxygen-defect-rich 3D porous cobalt-gallium layered double hydroxide for high-performance supercapacitor application. *Journal of Colloid and Interface Science*, **2021**, 608, 1837-1845	9.3	2
894	Highly wrinkled palladium nanosheets as advanced electrocatalysts for the oxygen reduction reaction in acidic medium. *Chemical Engineering Journal*, **2021**, 431, 133237	14.7	4
893	Metasequoia-like Nanocrystal of Iron-Doped Copper for Efficient Electrocatalytic Nitrate Reduction into Ammonia in Neutral Media. *ChemSusChem*, **2021**, 14, 1825-1829	8.3	17
892	Cobalt Phosphates Loaded into Iodine-Spaced Reduced Graphene Oxide Nanolayers for Electrochemical Measurement of Superoxide Generated by Cells. *ACS Applied Nano Materials*, **2021**, 4, 3631-3638	5.6	4
891	Ambient-Stable Black Phosphorus-Based 2D/2D S-Scheme Heterojunction for Efficient Photocatalytic CO Reduction to Syngas. *ACS Applied Materials & Interfaces*, **2021**, 13, 20162-20173	9.5	32

890	UV-Assisted Deposition of Antibacterial Ag-Tannic Acid Nanocomposite Coating. *ACS Applied Materials & Interfaces*, **2021**, 13, 20708-20717	9.5	13
889	Simultaneous deposition of tannic acid and poly(ethylene glycol) to construct the antifouling polymeric coating on Titanium surface. *Colloids and Surfaces B: Biointerfaces*, **2021**, 200, 111592	6	14
888	Mechanisms of water oxidation on heterogeneous catalyst surfaces. *Nano Research*, **2021**, 14, 3446-3457	10	12
887	Mussel Adhesive Mimetic Silk Sericin Prepared by Enzymatic Oxidation for the Construction of Antibacterial Coatings. *ACS Biomaterials Science and Engineering*, **2021**, 7, 3379-3388	5.5	3
886	Synthesis of a Cotton-Derived Flexible Porous Carbon Fabric Electrode Using Nickel-Salt Pore Forming for Supercapacitors. *Journal of Electronic Materials*, **2021**, 50, 5557-5566	1.9	
885	Atomically Dispersed Co to an End-Adsorbing Molecule for Excellent Biomimetically and Prime Sensitively Detecting O Released from Living Cells. *Analytical Chemistry*, **2021**, 93, 10789-10797	7.8	2
884	Intra-articular Injection of Kartogenin-Enhanced Bone Marrow-Derived Mesenchymal Stem Cells in the Treatment of Knee Osteoarthritis in a Rat Model. *American Journal of Sports Medicine*, **2021**, 49, 2795-2809	6.8	7
883	Probing the dynamic structural changes of DNA using ultrafast laser pulse in graphene-based optofluidic device. *Informa□□Materi□y*, **2021**, 3, 316-326	23.1	1
882	Can domestic wastes-evolved Fe2N@Carbon hybrids serve as competitive anodes for sustainable Li/Na storage applications?. *Materials Research Bulletin*, **2021**, 134, 111088	5.1	2
881	Electrochemically tuning Li1+xFePO4 for high oxidation state of rich Li+ toward highly sensitive detection of nitric oxide. *Electrochimica Acta*, **2021**, 365, 137347	6.7	5
880	Synthesis of merit-combined antimony tetroxide nanoflowers/reduced graphene oxide to synergistically boost real-time detection of nitric oxide released from living cells for high sensitivity. *Journal of Colloid and Interface Science*, **2021**, 581, 465-474	9.3	6
879	Sensitive glucometer-based microfluidic immune-sensing platform via DNA signal amplification coupled with enzymatic reaction. *Sensors and Actuators B: Chemical*, **2021**, 329, 129055	8.5	3
878	Light-induced synthesis of platinum/titania nanocapsules as an efficient, photosensitive and stable electrocatalyst. *Catalysis Science and Technology*, **2021**, 11, 1323-1329	5.5	3
877	Oral nanotherapeutics with enhanced mucus penetration and ROS-responsive drug release capacities for delivery of curcumin to colitis tissues. *Journal of Materials Chemistry B*, **2021**, 9, 1604-1615	7.3	8
876	Cutting and Bonding Parafilm to Fast Prototyping Flexible Hanging Drop Chips for 3D Spheroid Cultures. *Cellular and Molecular Bioengineering*, **2021**, 14, 187-199	3.9	1
875	2-D/2-D heterostructured biomimetic enzyme by interfacial assembling Mn3(PO4)2 and MXene as a flexible platform for realtime sensitive sensing cell superoxide. *Nano Research*, **2021**, 14, 879-886	10	13
874	An ultrathin and compact electron transport layer made from novel water-dispersed Fe3O4 nanoparticles to accomplish UV-stable perovskite solar cells. *Materials Advances*, **2021**, 2, 3629-3636	3.3	3
873	Rapid synthesis of FeS nanoparticles encapsulated with nanoporous graphitic shells for high performance sodium- and lithium-ion batteries. *Sustainable Energy and Fuels*, **2021**, 5, 4080-4086	5.8	5

872	Tumor Microenvironment-Responsive Nanococktails for Synergistic Enhancement of Cancer Treatment via Cascade Reactions. *ACS Applied Materials & Interfaces*, **2021**, 13, 4861-4873	9.5	13
871	Steric shelter-free cobalt nanoparticle-based high-sensitive biomimetic superoxide anion sensor. *Materials Chemistry Frontiers*, **2021**, 5, 6860-6864	7.8	1
870	Engineering transition metal-based nanomaterials for high-performance electrocatalysis. *Materials Reports Energy*, **2021**, 1, 100006		1
869	Multi-step Controllable Catalysis Method for the Defense of Sodium Polysulfide Dissolution in Room-Temperature Na-S Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 11852-11860	9.5	6
868	Bird nest-like zinc oxide nanostructures for sensitive electrochemical glucose biosensor. *Chinese Chemical Letters*, **2021**,	8.1	5
867	Oxygen-vacancy-enhanced Catalytic Activity of Au@Co3O4/CeO2 Yolk-shell Nanocomposite to Electrochemically Detect Hydrogen Peroxide. *Electroanalysis*, **2021**, 33, 2180	3	0
866	Screen-printed analytical strip constructed with bacteria-templated porous N-doped carbon nanorods/Au nanoparticles for sensitive electrochemical detection of dopamine molecules. *Biosensors and Bioelectronics*, **2021**, 186, 113303	11.8	10
865	Macroporous spider net-like NiO nanowire on carbon nanowire to grow a biofilm with multi-layered bacterium cells toward high-power microbial fuel cells. *Journal of Power Sources*, **2021**, 506, 230133	8.9	1
864	Discrimination of dopamine by an electrode modified with negatively charged manganese dioxide nanoparticles decorated on a poly(3,4 ethylenedioxythiophene)/reduced graphene oxide composite. *Journal of Colloid and Interface Science*, **2021**, 597, 314-324	9.3	10
863	Photoenzymatic Catalytic Cascade System of a Pyromellitic Diimide/g-CN Heterojunction to Efficiently Regenerate NADH for Highly Selective CO Reduction toward Formic Acid. *ACS Applied Materials & Interfaces*, **2021**, 13, 46650-46658	9.5	1
862	One-step self-assembly of biogenic Au NPs/PEG-based universal coatings for antifouling and photothermal killing of bacterial pathogens. *Chemical Engineering Journal*, **2021**, 421, 130005	14.7	14
861	Selective electroreduction of nitrate to ammonia with high Faradaic efficiency on nanocrystalline silver. *Electrochemistry Communications*, **2021**, 131, 107121	5.1	3
860	Unraveling surface functionalization of Cr2B2T2 (T=OH, O, Cl, H) MBene by first-principles calculations. *Computational Materials Science*, **2021**, 199, 110810	3.2	0
859	Effect of supporting matrixes on performance of copper catalysts in electrochemical nitrate reduction to ammonia. *Journal of Power Sources*, **2021**, 511, 230463	8.9	11
858	Highly stable branched cationic polymer-functionalized black phosphorus electrochemical sensor for fast and direct ultratrace detection of copper ion. *Journal of Colloid and Interface Science*, **2021**, 603, 131-140	9.3	7
857	Quadruple-responsive nanoparticle-mediated targeted combination chemotherapy for metastatic breast cancer. *Nanoscale*, **2021**, 13, 5765-5779	7.7	5
856	Synergistically boosting the electrochemical performance of polypyrrole-coated activated carbon derived from carbon dots for a high-performance supercapacitor. *Chemical Communications*, **2021**, 57, 9264-9267	5.8	4
855	Ionic liquid functionalized carbon nanotubes as metal-free catalyst for efficient electrocatalytic hydrogen evolution reaction. *Nanoscale*, **2021**, 13, 4444-4450	7.7	6

854	Highly Selective and Efficient Solar-Light-Driven CO Conversion with an Ambient-Stable 2D/2D Co P@BP/g-C N Heterojunction. *Small*, **2021**, e2105376	11	8
853	Directionally In Situ Self-Assembled, High-Density, Macropore-Oriented, CoP-Impregnated, 3D Hierarchical Porous Carbon Sheet Nanostructure for Superior Electrocatalysis in the Hydrogen Evolution Reaction. *Small*, **2021**, e2103866	11	1
852	Temperature-Dependent CAT-Like RGD-BPNS@SMFN Nanoplatform for PTT-PDT Self-Synergetic Tumor Phototherapy.. *Advanced Healthcare Materials*, **2021**, e2102298	10.1	7
851	Three-Dimensional Ni Foam-Supported CoO Nanoparticles/N-Doped Carbon Multilayer Nanocomposite Electrode for Oxygen Evolution. *ACS Applied Nano Materials*, **2020**, 3, 11416-11425	5.6	5
850	Thermo-selenizing to rationally tune surface composition and evolve structure of stainless steel to electrocatalytically boost oxygen evolution reaction. *Nano Energy*, **2020**, 75, 104949	17.1	23
849	Chemical switching of low-loss phonon polaritons in α-MoO by hydrogen intercalation. *Nature Communications*, **2020**, 11, 2646	17.4	26
848	Unearth the understanding of interfacial engineering techniques on nano sulfur cathodes for steady Li-S cell systems. *Journal of Materials Chemistry A*, **2020**, 8, 11976-11985	13	3
847	Weak polyelectrolyte-based multilayers via layer-by-layer assembly: Approaches, properties, and applications. *Advances in Colloid and Interface Science*, **2020**, 282, 102200	14.3	32
846	Template method for fabricating Co and Ni nanoparticles/porous channels carbon for solid-state sodium-sulfur battery. *Journal of Colloid and Interface Science*, **2020**, 578, 710-716	9.3	13
845	Nitrogen doping to atomically match reaction sites in microbial fuel cells. *Communications Chemistry*, **2020**, 3,	6.3	6
844	Amino-containing tannic acid derivative-mediated universal coatings for multifunctional surface modification. *Biomaterials Science*, **2020**, 8, 2120-2128	7.4	10
843	Gold-Incorporated Cobalt Phosphide Nanoparticles on Nitrogen-Doped Carbon for Enhanced Hydrogen Evolution Electrocatalysis. *ACS Applied Materials & Interfaces*, **2020**, 12, 16548-16556	9.5	31
842	Application of Microfluidic Chip Technology in Food Safety Sensing. *Sensors*, **2020**, 20,	3.8	29
841	Synthesis of hollow Co3O4 nanocrystals in situ anchored on holey graphene for high rate lithium-ion batteries. *Carbon*, **2020**, 163, 137-144	10.4	60
840	Novel scalable freezing-pore-forming strategy for constructing hierarchically porous carbon materials for supercapacitors. *Journal of Alloys and Compounds*, **2020**, 846, 156235	5.7	12
839	A tandem pyrolysis-upgrading strategy in an integrated reactor to improve the quality of coal tar. *Energy Conversion and Management*, **2020**, 220, 113065	10.6	15
838	Facile and Low-Cost Fabrication of a Thread/Paper-Based Wearable System for Simultaneous Detection of Lactate and pH in Human Sweat. *Advanced Fiber Materials*, **2020**, 2, 265-278	10.9	29
837	Curtailing Carbon Usage with Addition of Functionalized NiFeO Quantum Dots: Toward More Practical S Cathodes for Li-S Cells. *Nano-Micro Letters*, **2020**, 12, 145	19.5	11

836	Porous Molybdenum Carbide Nanostructured Catalyst toward Highly Sensitive Biomimetic Sensing of H2O2. *Electroanalysis*, **2020**, 32, 1243-1250	3	10
835	Recovery of Fe and Al from red mud by a novel fractional precipitation process. *Environmental Science and Pollution Research*, **2020**, 27, 14642-14653	5.1	1
834	Recent Advances of Two-Dimensional (2 D) MXenes and Phosphorene for High-Performance Rechargeable Batteries. *ChemSusChem*, **2020**, 13, 1047-1070	8.3	31
833	Tannic acid-assisted deposition of silk sericin on the titanium surfaces for antifouling application. *Colloids and Interface Science Communications*, **2020**, 35, 100241	5.4	16
832	Simulation study of the spatter removal process and optimization design of gas flow system in laser powder bed fusion. *Additive Manufacturing*, **2020**, 32, 101049	6.1	7
831	The Structure Effect on the Activity and Strength of an Industrial Honeycomb Catalyst Derived from Different Ti Sources. *Catalysts*, **2020**, 10, 42	4	0
830	Synthesis of LiTi2(PO4)3@carbon anode material with superior performance using β-cyclodextrin as carbon sources. *Ionics*, **2020**, 26, 2845-2853	2.7	4
829	Investigation of injection strategy for a diesel engine with directly injected methanol and pilot diesel at medium load. *Fuel*, **2020**, 266, 116958	7.1	21
828	Incorporating Fe into Bismuthic Anode Systems: A Smart "Merits Combination/Complementation" Route to Build Better Ni-Bi Batteries. *ACS Applied Materials & Interfaces*, **2020**, 12, 5876-5884	9.5	3
827	Carbon-wrapped cobalt nanoparticles on graphene aerogel for solid-state room-temperature sodium-sulfur batteries. *Chemical Engineering Journal*, **2020**, 388, 124210	14.7	23
826	Green synthesis of perylene diimide-based nanodots for carbon dioxide sensing, antibacterial activity prediction and bacterial discrimination. *Dyes and Pigments*, **2020**, 176, 108245	4.6	1
825	A sensitive lateral flow immunochromatographic strip with prussian blue nanoparticles mediated signal generation and cascade amplification. *Sensors and Actuators B: Chemical*, **2020**, 309, 127728	8.5	21
824	The simultaneous removal of SO2 and NO from flue gas over activated coke in a multi-stage fluidized bed at low temperature. *Fuel*, **2020**, 275, 117862	7.1	17
823	Manganese-doped tremella-like nickel oxide as biomimetic sensors toward highly sensitive detection of glucose in human serum. *Journal of Electroanalytical Chemistry*, **2020**, 863, 114071	4.1	15
822	Synthesis of a manganese dioxide nanorod-anchored graphene oxide composite for highly sensitive electrochemical sensing of dopamine. *Analyst, The*, **2020**, 145, 3283-3288	5	25
821	Electrical tension-triggered conversion of anaerobic to aerobic respiration of Shewanella putrefaciens CN32 cells while promoting biofilm growth in microbial fuel cells. *Chemical Communications*, **2020**, 56, 6050-6053	5.8	2
820	Tannic Acid-Mediated In Situ Controlled Assembly of NiFe Alloy Nanoparticles on Pristine Graphene as a Superior Oxygen Evolution Catalyst. *ACS Applied Energy Materials*, **2020**, 3, 3966-3977	6.1	11
819	In situ self-assembled 3-D interconnected pristine graphene supported NiO nanosheets as superior catalysts for oxygen evolution. *Electrochimica Acta*, **2020**, 342, 136118	6.7	14

818	Tuning Pt-skinned PtAg nanotubes in nanoscales to efficiently modify electronic structure for boosting performance of methanol electrooxidation. *Applied Catalysis B: Environmental*, **2020**, 265, 118606	21.8	55
817	Ultrafast synthesis of uniform 4.5 atoms-thin layered tremella-like Pd nanostructure with extremely large electrochemically active surface area for formic acid oxidation. *Journal of Power Sources*, **2020**, 447, 227248	8.9	42
816	Quantifying the rigidity of 2D carbides (MXenes). *Physical Chemistry Chemical Physics*, **2020**, 22, 2115-2121	3.6	15
815	A distinct excited-state proton transfer mechanism for 4-(N-Substituted-amino)-1H-pyrrolo[2,3-b]pyridines in aprotic and protic solvents. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 231, 117800	4.4	3
814	Remarkably promoted photoelectrochemical water oxidation on TiO2 nanowire arrays via polymer-mediated self-assembly of CoOx nanoparticles. *Solar Energy Materials and Solar Cells*, **2020** , 207, 110349	6.4	13
813	Fabricating an optimal rutile TiO2 electron transport layer by delicately tuning TiCl4 precursor solution for high performance perovskite solar cells. *Nano Energy*, **2020**, 68, 104336	17.1	17
812	Multiwalled carbon nanotubes coated with cobalt(II) sulfide nanoparticles for electrochemical sensing of glucose via direct electron transfer to glucose oxidase. *Mikrochimica Acta*, **2020**, 187, 80	5.8	22
811	Metal-free photo- and electro-catalysts for hydrogen evolution reaction. *Journal of Materials Chemistry A*, **2020**, 8, 23674-23698	13	21
810	Real-time biomimetically monitoring superoxide anions released from transient transmembrane secretion to investigate the inhibition effect on Aspergillus flavus growth. *Sensing and Bio-Sensing Research*, **2020**, 29, 100363	3.3	2
809	Spatially Separating Redox Centers on Z-Scheme ZnIn S /BiVO Hierarchical Heterostructure for Highly Efficient Photocatalytic Hydrogen Evolution. *Small*, **2020**, 16, e2002988	11	76
808	Fabrication of a TiO/FeO Core/Shell Nanostructure by Pulse Laser Deposition toward Stable and Visible Light Photoelectrochemical Water Splitting. *ACS Omega*, **2020**, 5, 19861-19867	3.9	8
807	Ru-Doping Enhanced Electrocatalysis of Metal-Organic Framework Nanosheets toward Overall Water Splitting. *Chemistry - A European Journal*, **2020**, 26, 17091-17096	4.8	16
806	One-Step Dip-Coating-Fabricated Core-Shell Silk Fibroin Rice Paper Fibrous Scaffolds for 3D Tumor Spheroid Formation.. *ACS Applied Bio Materials*, **2020**, 3, 7462-7471	4.1	5
805	Facile Synthesis of FeO@Tannic Acid@Au Nanocomposites as a Catalyst for 4-Nitrophenol and Methylene Blue Removal. *ACS Omega*, **2020**, 5, 20903-20911	3.9	13
804	Strong Electronic Interaction Enhanced Electrocatalysis of Metal Sulfide Clusters Embedded Metal-Organic Framework Ultrathin Nanosheets toward Highly Efficient Overall Water Splitting. *Advanced Science*, **2020**, 7, 2001965	13.6	47
803	A Hybrid Organo-Nanotheranostic Platform of Superlative Biocompatibility for Near-Infrared-Triggered Fluorescence Imaging and Synergistically Enhanced Ablation of Tumors. *Small*, **2020**, 16, e2002445	11	10
802	The in situ preparation of iron phosphide using ionic liquids as iron and phosphorus sources for efficient hydrogen evolution reactions. *RSC Advances*, **2020**, 10, 33026-33032	3.7	1
801	Hole-punching for enhancing electrocatalytic activities of 2D graphene electrodes: Less is more. *Journal of Chemical Physics*, **2020**, 153, 074701	3.9	0

800	Re-stickable All-Solid-State Supercapacitor Supported by Cohesive Thermoplastic for Textile Electronics. *ACS Applied Materials & Interfaces*, **2020**, 12, 45322-45331	9.5	5
799	Metal-free heterojunction of black phosphorus/oxygen-enriched porous g-C3N4 as an efficient photocatalyst for Fenton-like cascade water purification. *Journal of Materials Chemistry A*, **2020**, 8, 19484-19492	13	27
798	Layered and Heterostructured Pd/PdWCr Sheet-Assembled Nanoflowers as Highly Active and Stable Electrocatalysts for Formic Acid Oxidation. *Advanced Functional Materials*, **2020**, 30, 2003933	15.6	30
797	Development of Red Mud Coated Catalytic Filter for NOx Removal in the High Temperature Range of 300–450 °C. *Catalysis Letters*, **2020**, 150, 702-712	2.8	10
796	Pelagivirga dicentrarchi sp. nov., a member of the family Rhodobacteraceae isolated from the gut microflora of sea bass (Dicentrarchus labrax L.). *Antonie Van Leeuwenhoek*, **2020**, 113, 293-301	2.1	3
795	Bienzymatic synergism of vanadium oxide nanodots to efficiently eradicate drug-resistant bacteria during wound healing in vivo. *Journal of Colloid and Interface Science*, **2020**, 559, 313-323	9.3	35
794	Simultaneous removal of particulates and NO by the catalytic bag filter containing V2O5-MoO3/TiO2. *Korean Journal of Chemical Engineering*, **2020**, 37, 633-640	2.8	5
793	Highly active Mo-V-based bifunctional catalysts for catalytic conversion of lignin dimer model compounds at room temperature. *Inorganic Chemistry Communication*, **2020**, 116, 107910	3.1	3
792	Single-Atom Cobalt-Based Electrochemical Biomimetic Uric Acid Sensor with Wide Linear Range and Ultralow Detection Limit. *Nano-Micro Letters*, **2020**, 13, 7	19.5	26
791	Rising Mesopores to Realize Direct Electrochemistry of Glucose Oxidase toward Highly Sensitive Detection of Glucose. *Advanced Functional Materials*, **2019**, 29, 1903026	15.6	41
790	Pristine-Graphene-Supported Nitrogen-Doped Carbon Self-Assembled from Glucaminium-Based Ionic Liquids as Metal-Free Catalyst for Oxygen Evolution. *ChemSusChem*, **2019**, 12, 5041-5050	8.3	14
789	Pilot-Scale Test of a V2O5–WO3/TiO2-Coated Type of Honeycomb DeNOx Catalyst and Its Deactivation Mechanism. *Industrial & Engineering Chemistry Research*, **2019**, 58, 828-835	3.9	14
788	Co-delivery of chlorin e6 and doxorubicin using PEGylated hollow nanocapsules for 'all-in-one' tumor theranostics. *Nanomedicine*, **2019**, 14, 2273-2292	5.6	4
787	-Bromophenol-Enhanced Bienzymatic Chemiluminescence Competitive Immunoassay for Ultrasensitive Determination of Aflatoxin B. *Analytical Chemistry*, **2019**, 91, 13191-13197	7.8	25
786	Smart Colloid-Assisted Technique Prompts the Evolution of Bamboo Wastes into Nanometal-Inlaid Carbon Microfibers for Sustainable Ni–Fe Batteries. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 17919-17928	8.3	9
785	Tailoring pore structures with optimal mesopores to remarkably promote DNA adsorption guiding the growth of active Mn(PO) toward sensitive superoxide biomimetic enzyme sensors. *Nanoscale*, **2019**, 11, 2624-2630	7.7	14
784	A multi-component CuO@FePO core-cage structure to jointly promote fast electron transfer toward the highly sensitive in situ detection of nitric oxide. *Nanoscale*, **2019**, 11, 4471-4477	7.7	14
783	Mass Production of Metallic Fe@Carbon Nanoparticles with Plastic and Rusty Wastes for High-Capacity Anodes of Ni–Fe Batteries. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 10995-11003	8.3	15

782	Sub-15 nm Pd@PtCu concave octahedron with enriched atomic steps as enhanced oxygen reduction electrocatalyst. *Journal of Power Sources*, **2019**, 434, 226742	8.9	6
781	Atomic matching catalysis to realize a highly selective and sensitive biomimetic uric acid sensor. *Biosensors and Bioelectronics*, **2019**, 141, 111421	11.8	14
780	A high-energy-state biomimetic enzyme of oxygen-deficient MnTiO nanodiscs for sensitive electrochemical sensing of the superoxide anion. *Chemical Communications*, **2019**, 55, 7836-7839	5.8	6
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778	Sensitive and portable colorimetric detection of copper in water by cotton thread based pre-concentration. *Microchemical Journal*, **2019**, 148, 735-742	4.8	4
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