

# Wolfgang Schuhmann

## 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.

801  
papers

30,229  
citations

80  
h-index

129  
g-index

859  
ext. papers

34,033  
ext. citations

7.2  
avg, IF

7.55  
L-index

#	Paper	IF	Citations
801	In-situ Carbon Corrosion and Cu Leaching as a Strategy for Boosting Oxygen Evolution Reaction in multi-metal Electrocatalysts.. <i>Advanced Materials</i> , <b>2022</b> , e2109108	24	5
800	Electrocatalytic Conversion of Glycerol to Oxalate on Ni Oxide Nanoparticles-Modified Oxidized Multiwalled Carbon Nanotubes. <i>ACS Catalysis</i> , <b>2022</b> , 12, 982-992	13.1	5
799	Indirect Electrooxidation of Methane to Methyl Bisulfate on a Boron-Doped Diamond Electrode. <i>ChemElectroChem</i> , <b>2022</b> , 9, e202101253	4.3	0
798	Splicing the active phases of copper/cobalt-based catalysts achieves high-rate tandem electroreduction of nitrate to ammonia.. <i>Nature Communications</i> , <b>2022</b> , 13, 1129	17.4	17
797	A single-Pt-atom-on-Ru-nanoparticle electrocatalyst for CO-resilient methanol oxidation. <i>Nature Catalysis</i> , <b>2022</b> , 5, 231-237	36.5	8
796	Correlative Electrochemical Microscopy for the Elucidation of the Local Ionic and Electronic Properties of the Solid Electrolyte Interphase in Li-ion Batteries.. <i>Angewandte Chemie - International Edition</i> , <b>2022</b> ,	16.4	3
795	A biophotoelectrode based on boronic acid-modified <i>Chlorella vulgaris</i> cells integrated within a redox polymer.. <i>Bioelectrochemistry</i> , <b>2022</b> , 146, 108128	5.6	0
794	On the Mediated Electron Transfer of Immobilized Galactose Oxidase for Biotechnological Applications.. <i>Chemistry - A European Journal</i> , <b>2022</b> , e202201306	4.8	
793	Semi-flowable Zn semi-solid electrodes as renewable energy carrier for refillable Zn/Air batteries. <i>Journal of Power Sources</i> , <b>2022</b> , 536, 231480	8.9	1
792	Probing the local activity of CO reduction on gold gas diffusion electrodes: effect of the catalyst loading and CO pressure.. <i>Chemical Science</i> , <b>2021</b> , 12, 15682-15690	9.4	2
791	B-Cu-Zn Gas Diffusion Electrodes for CO Electroreduction to C Products at High Current Densities. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 9135-9141	16.4	18
790	Probing the Local Reaction Environment During High Turnover Carbon Dioxide Reduction with Ag-Based Gas Diffusion Electrodes. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 5906-5912	4.8	12
789	Recovering activity of anodically challenged oxygen reduction electrocatalysts by means of reductive potential pulses. <i>Electrochemistry Communications</i> , <b>2021</b> , 124, 106960	5.1	
788	B-Cu-Zn-Gasdiffusionselektroden für die elektrokatalytische CO <sub>2</sub> -Reduktion zu C <sub>2</sub> <sup>+</sup> -Produkten bei hohen Stromdichten. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 9217-9224	3.6	1
787	Real-Time Measurement of Cellobiose and Glucose Formation during Enzymatic Biomass Hydrolysis. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 7732-7738	7.8	4
786	Trace Metal Loading of B-N-Co-doped Graphitic Carbon for Active and Stable Bifunctional Oxygen Reduction and Oxygen Evolution Electrocatalysts. <i>ChemElectroChem</i> , <b>2021</b> , 8, 1685-1693	4.3	0
785	Electrocatalytic Oxidation of Glycerol Using Solid-State Synthesised Nickel Boride: Impact of Key Electrolysis Parameters on Product Selectivity. <i>ChemElectroChem</i> , <b>2021</b> , 8, 2336-2342	4.3	4

784	Control of Marine Bacteria and Diatom Biofouling by Constant and Alternating Potentials. <i>Langmuir</i> , <b>2021</b> , 37, 7464-7472	4	1
783	Pseudocapacitive Redox Polymers as Battery Materials: A Proof-of-Concept All-Polymer Aqueous Battery. <i>ChemElectroChem</i> , <b>2021</b> , 8, 2308-2314	4.3	
782	Nitrogen and Oxygen Functionalization of Multi-Walled Carbon Nanotubes for Tuning the Bifunctional Oxygen Reduction/Oxygen Evolution Performance of Supported FeCo Oxide Nanoparticles. <i>ChemElectroChem</i> , <b>2021</b> , 8, 2803-2816	4.3	2
781	Importance of catalyst-photoabsorber interface design configuration on the performance of Mo-doped BiVO <sub>4</sub> water splitting photoanodes. <i>Journal of Solid State Electrochemistry</i> , <b>2021</b> , 25, 173-185 <sup>2.6</sup>	2.6	1
780	A Tandem Solar Biofuel Cell: Harnessing Energy from Light and Biofuels. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 2106-2111	3.6	2
779	A Tandem Solar Biofuel Cell: Harnessing Energy from Light and Biofuels. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 2078-2083	16.4	3
778	Electrocatalysis in confined space. <i>Current Opinion in Electrochemistry</i> , <b>2021</b> , 25, 100644	7.2	6
777	Elektrokatalyse einzelner, auf der Spitze einer Kohlenstoff-Nanoelektrode platzierter Co <sub>3</sub> O <sub>4</sub> -Nanopartikel. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 3619-3624	3.6	4
776	Single-Entity Electrocatalysis of Individual "Picked-and-Dropped" Co O Nanoparticles on the Tip of a Carbon Nanoelectrode. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 3576-3580	16.4	16
775	Gemischte Photosystem-I-Monoschichten ermöglichen einen verbesserten anisotropen Elektronenfluss in Biophotovoltaik-Systemen durch Unterdrückung elektrischer Kurzschlüsse. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 2028-2034	3.6	
774	Closing the Gap for Electronic Short-Circuiting: Photosystem I Mixed Monolayers Enable Improved Anisotropic Electron Flow in Biophotovoltaic Devices. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 2000-2006	16.4	5
773	Comparing the Activity of Complex Solid Solution Electrocatalysts Using Inflection Points of Voltammetric Activity Curves as Activity Descriptors. <i>ACS Catalysis</i> , <b>2021</b> , 11, 1014-1023	13.1	20
772	Complex-Solid-Solution Electrocatalyst Discovery by Computational Prediction and High-Throughput Experimentation*. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 6932-6937	16.4	28
771	Complex-Solid-Solution Electrocatalyst Discovery by Computational Prediction and High-Throughput Experimentation**. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 7008-7013	3.6	4
770	Hollow CeO <sub>2</sub> @Co <sub>2</sub> N Nanosheets Derived from Co-ZIF-L for Boosting the Oxygen Evolution Reaction. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2100041	4.6	4
769	What Makes High-Entropy Alloys Exceptional Electrocatalysts?. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	19
768	Multi-wall carbon nanotubes electrochemically modified with phosphorus and nitrogen functionalities as a basis for bioelectrodes with improved performance. <i>Electrochimica Acta</i> , <b>2021</b> , 387, 138530	6.7	3
767	Accelerated Electrochemical Investigation of Li Plating Efficiency as Key Parameter for Li Metal Batteries Utilizing a Scanning Droplet Cell. <i>ChemElectroChem</i> , <b>2021</b> , 8, 3143-3149	4.3	

766	Cryo-EM photosystem I structure reveals adaptation mechanisms to extreme high light in <i>Chlorella obadii</i> . <i>Nature Plants</i> , <b>2021</b> , 7, 1314-1322	11.5	4
765	A Metal-Organic Framework derived Cu O C Catalyst for Electrochemical CO Reduction and Impact of Local pH Change. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 23427-23434	16.4	10
764	Einzelpartikel-Nanoelektrochemie für die Untersuchung der Aktivität der elektrokatalytischen Sauerstoffentwicklungsreaktion an Co <sub>3</sub> O <sub>4</sub> Nanopartikeln. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 23634	3.6	3
763	Ein MOF-basierter Cu <sub>x</sub> O <sub>y</sub> C <sub>z</sub> -Katalysator für die elektrochemische CO <sub>2</sub> -Reduktion und die Auswirkungen der lokalen pH-Änderung. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 23616	3.6	2
762	Synergistic Effects of Co and Fe on the Oxygen Evolution Reaction Activity of LaCo Fe O. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 17145-17158	4.8	1
761	Single Particle Nanoelectrochemistry Reveals the Catalytic Oxygen Evolution Reaction Activity of Co O Nanocubes. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 23444-23450	16.4	12
760	Bayesian Optimization of High-Entropy Alloy Compositions for Electrocatalytic Oxygen Reduction*. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 24144-24152	16.4	16
759	The Roles of Composition and Mesostructure of Cobalt-Based Spinel Catalysts in Oxygen Evolution Reactions. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 17038-17048	4.8	3
758	Optimizing the nickel boride layer thickness in a spectroelectrochemical ATR-FTIR thin-film flow cell applied in glycerol oxidation. <i>Chinese Journal of Catalysis</i> , <b>2021</b> , 42, 2206-2215	11.3	1
757	Is Cu instability during the CO reduction reaction governed by the applied potential or the local CO concentration?. <i>Chemical Science</i> , <b>2021</b> , 12, 4028-4033	9.4	12
756	Sensing and electrocatalytic activity of tungsten disulphide thin films fabricated via metal-organic chemical vapour deposition. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 10254-10265	7.1	0
755	Redox-Polymer-Based High-Current-Density Gas-Diffusion H <sub>2</sub> -Oxidation Bioanode Using [FeFe] Hydrogenase from <i>Desulfovibrio desulfuricans</i> in a Membrane-free Biofuel Cell. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 16506-16510	16.4	6
754	Improved quantum efficiency in an engineered light harvesting/photosystem II super-complex for high current density biophotoanodes. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 14463-14471	13	4
753	Facettierte verzweigte Nickel-Nanopartikel mit variierbarer Verzweigungslänge für die hochaktive elektrokatalytische Oxidation von Biomasse. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 15615-15620	3.6	13
752	Electroenzymatic Nitrogen Fixation Using a MoFe Protein System Immobilized in an Organic Redox Polymer. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 16511-16516	16.4	9
751	Needle-type organic electrochemical transistor for spatially resolved detection of dopamine. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 378	5.8	5
750	Elektroenzymatische Stickstofffixierung unter Verwendung eines MoFe-Proteinsystems immobilisiert in einem organischen Redoxpolymer. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 16654-16659	3.6	0
749	Reduced-Graphene-Oxide-Based Needle-Type Field-Effect Transistor for Dopamine Sensing. <i>ChemElectroChem</i> , <b>2020</b> , 7, 1922-1927	4.3	5

748	Differentiation between Carbon Corrosion and Oxygen Evolution Catalyzed by Ni <sub>3</sub> C Hybrid Electrocatalysts in Alkaline Solution using Differential Electrochemical Mass Spectrometry. <i>ChemElectroChem</i> , <b>2020</b> , 7, 2680-2686	4.3	6
747	Scalable Fabrication of Biophotoelectrodes by Means of Automated Airbrush Spray-Coating. <i>ChemPlusChem</i> , <b>2020</b> , 85, 1396-1400	2.8	2
746	Factors Governing the Activity of MnO <sub>2</sub> Catalysts in the Oxygen Evolution Reaction: Conductivity versus Exposed Surface Area of Cryptomelane. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 12256-12267	4.8	12
745	High-throughput characterization of Ag <sub>2</sub> O nanostructured thin-film materials libraries for photoelectrochemical solar water splitting. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 12037-12047	6.7	6
744	Light-controlled imaging of biocatalytic reactions via scanning photoelectrochemical microscopy for multiplexed sensing. <i>Chemical Communications</i> , <b>2020</b> , 56, 5147-5150	5.8	9
743	Electrocatalysis as the Nexus for Sustainable Renewable Energy: The Gordian Knot of Activity, Stability, and Selectivity. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 15298-15312	16.4	62
742	Structural and photoelectrochemical properties in the thin film system Cu-Fe-V-O and its ternary subsystems Fe-V-O and Cu-V-O. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 014707	3.9	2
741	The sum is more than its parts: stability of MnFe oxide nanoparticles supported on oxygen-functionalized multi-walled carbon nanotubes at alternating oxygen reduction reaction and oxygen evolution reaction conditions. <i>Journal of Solid State Electrochemistry</i> , <b>2020</b> , 24, 2901-2906	2.6	5
740	Elektrokatalyse als Nexus für nachhaltige erneuerbare Energien über gordische Knoten aus Aktivität, Stabilität und Selektivität. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 15410-15426	3.6	5
739	Reassessing the rationale behind herbicide biosensors: The case of a photosystem II/redox polymer-based bioelectrode. <i>Bioelectrochemistry</i> , <b>2020</b> , 136, 107597	5.6	4
738	Synergistic Effect of Molybdenum and Tungsten in Highly Mixed Carbide Nanoparticles as Effective Catalysts in the Hydrogen Evolution Reaction under Alkaline and Acidic Conditions. <i>ChemElectroChem</i> , <b>2020</b> , 7, 983-988	4.3	5
737	Coupling electrochemistry with a fluorescence reporting reaction enabled by bipolar electrochemistry. <i>Journal of Electroanalytical Chemistry</i> , <b>2020</b> , 872, 113921	4.1	6
736	Enhancing Electrogenenerated Chemiluminescence on Platinum Electrodes through Surface Modification. <i>ChemElectroChem</i> , <b>2020</b> , 7, 1256-1260	4.3	5
735	Insights into the Formation, Chemical Stability, and Activity of Transient Ni <sub>2</sub> S <sub>3</sub> Core-Shell Heterostructures for the Oxygen Evolution Reaction. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 2304-2309	6.1	16
734	Polymer/enzyme-modified HF-etched carbon nanoelectrodes for single-cell analysis. <i>Bioelectrochemistry</i> , <b>2020</b> , 133, 107487	5.6	8
733	CoFe <sub>2</sub> O <sub>4</sub> Double Hydroxide Films Electrodeposited on Ni-Foam as Electrocatalyst for the Oxygen Evolution Reaction. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2020</b> , 234, 995-1019	3.1	6
732	Eine universelle, auf Nanokapillaren basierende Methode zur Katalysatorimmobilisierung für die Flüssigzell-Transmissionselektronenmikroskopie. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 5634-5638	3.6	1
731	A Universal Nano-capillary Based Method of Catalyst Immobilization for Liquid-Cell Transmission Electron Microscopy. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 5586-5590	16.4	14

730	Tuning Light-Driven Water Oxidation Efficiency of Molybdenum-Doped BiVO by Means of Multicomposite Catalysts Containing Nickel, Iron, and Chromium Oxides. <i>ChemPlusChem</i> , <b>2020</b> , 85, 327-333	3.8	3
729	Spray-Flame-Prepared LaCo <sub>1-x</sub> Fe <sub>x</sub> O <sub>3</sub> Perovskite Nanoparticles as Active OER Catalysts: Influence of Fe Content and Low-Temperature Heating. <i>ChemElectroChem</i> , <b>2020</b> , 7, 2564-2574	4.3	9
728	Drug Release from Polymer Thin Films and Gel Pellets: Insights from Programmed Microplate Electroanalysis. <i>ChemPlusChem</i> , <b>2020</b> , 85, 627-633	2.8	2
727	Redox-Polymer-Wired [NiFeSe] Hydrogenase Variants with Enhanced O Stability for Triple-Protected High-Current-Density H <sub>2</sub> -Oxidation Bioanodes. <i>ChemSusChem</i> , <b>2020</b> , 13, 3627-3635	8.3	8
726	Trivalent iron rich CoFe layered oxyhydroxides for electrochemical water oxidation. <i>Electrochimica Acta</i> , <b>2020</b> , 350, 136256	6.7	5
725	Eine Redoxpolymer-basierte Gasdiffusions-H <sub>2</sub> -Oxidationsbioanode mit hoher Stromdichte unter Verwendung von [FeFe]-Hydrogenase aus <i>Desulfovibrio desulfuricans</i> integriert in einer membranfreien Biobrennstoffzelle. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 16649	3.6	
724	Online Monitoring of Electrochemical Carbon Corrosion in Alkaline Electrolytes by Differential Electrochemical Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 1585-1589	16.4	58
723	Trimetallic Mn-Fe-Ni Oxide Nanoparticles Supported on Multi-Walled Carbon Nanotubes as High-Performance Bifunctional ORR/OER Electrocatalyst in Alkaline Media. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1905992	15.6	98
722	Electroenzymatic CO <sub>2</sub> Fixation Using Redox Polymer/Enzyme-Modified Gas Diffusion Electrodes. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 321-327	20.1	23
721	Design von komplexen Mischkristall-Elektrokatalysatoren auf Basis der Korrelation von Konfiguration, Verteilungsmustern der Adsorptionsenergie und Aktivitätskurven. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 5893-5900	3.6	10
720	Design of Complex Solid-Solution Electrocatalysts by Correlating Configuration, Adsorption Energy Distribution Patterns, and Activity Curves. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 5844-5850	16.4	44
719	Online-Bestimmung der elektrochemischen Kohlenstoffkorrosion in alkalischen Elektrolyten durch differentielle elektrochemische Massenspektrometrie. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 1601-1605	3.6	8
718	Glutamate detection at the cellular level by means of polymer/enzyme multilayer modified carbon nanoelectrodes. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 3631-3639	7.3	13
717	Surface Properties of Battery Materials Elucidated Using Scanning Electrochemical Microscopy: The Case of Type I Silicon Clathrate. <i>ChemElectroChem</i> , <b>2020</b> , 7, 665-671	4.3	9
716	Bioelectrocatalysis as the basis for the design of enzyme-based biofuel cells and semi-artificial biophotoelectrodes. <i>Nature Catalysis</i> , <b>2020</b> , 3, 214-224	36.5	43
715	Breaking scaling relations in electrocatalysis. <i>Journal of Solid State Electrochemistry</i> , <b>2020</b> , 24, 2181-2182	2.6	7
714	Sputter deposition of highly active complex solid solution electrocatalysts into an ionic liquid library: effect of structure and composition on oxygen reduction activity. <i>Nanoscale</i> , <b>2020</b> , 12, 23570-23577	7.7	9
713	Insight into Electron Transfer from a Redox Polymer to a Photoactive Protein. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 11123-11132	3.4	3

712	High-Throughput Exploration of Metal Vanadate Thin-Film Systems (M-V-O, M = Cu, Ag, W, Cr, Co, Fe) for Solar Water Splitting: Composition, Structure, Stability, and Photoelectrochemical Properties. <i>ACS Combinatorial Science</i> , <b>2020</b> , 22, 844-857	3.9	5
711	Polymer-Based Batteries-Flexible and Thin Energy Storage Systems. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000587	5.7	34
710	Controlling the Number of Branches and Surface Facets of Pd-Core Ru-Branched Nanoparticles to Make Highly Active Oxygen Evolution Reaction Electrocatalysts. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 15501-15504	4.8	1
709	Fe/Co/Ni mixed oxide nanoparticles supported on oxidized multi-walled carbon nanotubes as electrocatalysts for the oxygen reduction and the oxygen evolution reactions in alkaline media. <i>Catalysis Today</i> , <b>2020</b> , 357, 259-268	5.3	30
708	High-Throughput Characterization of Structural and Photoelectrochemical Properties of a BiVO <sub>4</sub> Thin-Film Materials Library. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2020</b> , 234, 835-845	3.1	2
707	Combinatorial Search for New Solar Water Splitting Photoanode Materials in the Thin-Film System FeTiVO <sub>4</sub> . <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2020</b> , 234, 867-885	3.1	9
706	Faceted Branched Nickel Nanoparticles with Tunable Branch Length for High-Activity Electrocatalytic Oxidation of Biomass. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 15487-15491	16.4	41
705	Tuning Light-Driven Water Splitting Efficiency of Mo-Doped BiVO <sub>4</sub> : Optimised Preparation and Impact of Oxygen Evolution Electrocatalysts. <i>ChemCatChem</i> , <b>2019</b> , 11, 6417-6424	5.2	5
704	Microscopic Determination of Carrier Density and Mobility in Working Organic Electrochemical Transistors. <i>Small</i> , <b>2019</b> , 15, e1902534	11	7
703	Cascade Reactions in Nanozymes: Spatially Separated Active Sites inside Ag-Core-Porous-Cu-Shell Nanoparticles for Multistep Carbon Dioxide Reduction to Higher Organic Molecules. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 14093-14097	16.4	65
702	A photosystem I monolayer with anisotropic electron flow enables Z-scheme like photosynthetic water splitting. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 3133-3143	35.4	26
701	Direct Growth of Highly Strained Pt Islands on Branched Ni Nanoparticles for Improved Hydrogen Evolution Reaction Activity. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 16202-16207	16.4	67
700	Enhancing the water splitting performance of cryptomelane-type K <sub>2</sub> MnO <sub>2</sub> . <i>Journal of Catalysis</i> , <b>2019</b> , 374, 335-344	7.3	17
699	Enhancing the Selectivity between Oxygen and Chlorine towards Chlorine during the Anodic Chlorine Evolution Reaction on a Dimensionally Stable Anode. <i>ChemElectroChem</i> , <b>2019</b> , 6, 3108-3112	4.3	17
698	Optimizing the synthesis of Co/CoBe nanoparticles/N-doped carbon composite materials as bifunctional oxygen electrocatalysts. <i>Electrochimica Acta</i> , <b>2019</b> , 318, 281-289	6.7	15
697	Ni-Metalloid (B, Si, P, As, and Te) Alloys as Water Oxidation Electrocatalysts. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900796	21.8	46
696	Sauerstoffevolutionselektrokatalyse eines einzelnen MOF-basierten Kompositnanopartikels an der Spitze einer Nanoelektrode. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 9021-9026	3.6	12
695	Oxygen Evolution Electrocatalysis of a Single MOF-Derived Composite Nanoparticle on the Tip of a Nanoelectrode. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 8927-8931	16.4	56

694	Toward a Paradigm Shift in Electrocatalysis Using Complex Solid Solution Nanoparticles. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 1206-1214	20.1	81
693	Introducing Pseudocapacitive Bioelectrodes into a Biofuel Cell/Biosupercapacitor Hybrid Device for Optimized Open Circuit Voltage. <i>ChemElectroChem</i> , <b>2019</b> , 6, 2080-2087	4.3	15
692	A light-driven Nernstian biosupercapacitor. <i>Electrochimica Acta</i> , <b>2019</b> , 306, 660-666	6.7	8
691	Extended Operational Lifetime of a Photosystem-Based Bioelectrode. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 5102-5106	16.4	17
690	Influence of the Nature of Boron-Doped Diamond Anodes on the Dehydrogenative Phenol-Phenol Cross-Coupling. <i>ChemElectroChem</i> , <b>2019</b> , 6, 2771-2776	4.3	14
689	Amperometric Detection of the Urinary Disease Biomarker p-HPA by Allosteric Modulation of a Redox Polymer-Embedded Bacterial Reductase. <i>ACS Sensors</i> , <b>2019</b> , 4, 1270-1278	9.2	5
688	Catalytic Reactivation of Industrial Oxygen Depolarized Cathodes by in situ Generation of Atomic Hydrogen. <i>ChemSusChem</i> , <b>2019</b> , 12, 2732-2739	8.3	3
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