

Peter Strasser

List of Publications by Year in descending order

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532
papers

61,881
citations

557

125
h-index

968

237
g-index

568
all docs

568
docs citations

568
times ranked

46105
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing the Performance of Shape-Controlled Octahedral Rhodium-Doped PtNi Nanoalloys inside Hydrogen-Air Fuel Cell Cathodes Using a Rational Design of Catalysts, Supports, and Layering. ACS Catalysis, 2024, 14, 10-20.	11.7	3
2	Asymmetric Copper-Sulphur Sites Promote C-C Coupling for Selective CO ₂ Electroreduction to C ₂ Products. Advanced Energy Materials, 2024, 14, .	22.2	4
3	Meta-kinks are key to binder performance of poly(arylene piperidinium) ionomers for alkaline membrane water electrolysis using non-noble metal catalysts. Journal of Materials Chemistry A, 2024, 12, 7826-7836.	10.5	0
4	Facilitating alkaline hydrogen evolution reaction on the hetero-interfaced Ru/RuO ₂ through Pt single atoms doping. Nature Communications, 2024, 15, .	13.2	24
5	Cation Effects on the Acidic Oxygen Reduction Reaction at Carbon Surfaces. ACS Energy Letters, 2024, 9, 1331-1338.	18.4	4
6	Scale-Up of PTFE-Based Gas Diffusion Electrodes Using an Electrolyte-Integrated Polymer-Coated Current Collector Approach. ACS Energy Letters, 2024, 9, 1361-1368.	18.4	1
7	Design and diagnosis of high-performance CO ₂ -to-CO electrolyzer cells. Nature Chemical Engineering, 2024, 1, 229-239.	0.0	3
8	Electrochemical CO ₂ Activation and Valorization on Metallic Copper and Carbon-Embedded N-Coordinated Single Metal MNC Catalysts. Angewandte Chemie - International Edition, 2024, 63, .	14.8	1
9	Integration of Multijunction Absorbers and Catalysts for Efficient Solar-Driven Artificial Leaf Structures: A Physical and Materials Science Perspective. Solar Rrl, 2024, 8, .	6.0	0
10	Electrochemical CO ₂ Activation and Valorization on Metallic Copper and Carbon-Embedded N-Coordinated Single Metal MNC Catalysts. Angewandte Chemie, 2024, 136, .	2.1	0
11	Stabilization of layered lithium-rich manganese oxide for anion exchange membrane fuel cells and water electrolyzers. Nature Catalysis, 2024, 7, 546-559.	28.3	3
12	Confined microemulsions: pore diameter induced change of the phase behavior. RSC Advances, 2024, 14, 12735-12741.	3.7	0
13	Integration of Multijunction Absorbers and Catalysts for Efficient Solar-Driven Artificial Leaf Structures: A Physical and Materials Science Perspective. Solar Rrl, 2024, 8, .	6.0	0
14	Robots are both anthropomorphized and dehumanized when harmed intentionally. Communications Psychology, 2024, 2, .	0.0	0
15	Intrinsic Activity and Ni-O-Fe Catalytic Active Site in Ni-Based (Oxy)Hydroxides for the Oxygen Evolution Reaction. ECS Meeting Abstracts, 2024, MA2024-01, 1829-1829.	0.0	0
16	Scale-up of PTFE-Based Gas Diffusion Electrodes from Lab Scale to Stack Level Using Polymer-Coated Current Collectors. ECS Meeting Abstracts, 2024, MA2024-01, 2186-2186.	0.0	0
17	CO ₂ Reduction in a Bio Mass-Paired Systems for the Production of e-Chemicals. ECS Meeting Abstracts, 2024, MA2024-01, 2963-2963.	0.0	0
18	(Invited) Chemical Kinetic Method for Active-Site Quantification in Fe-N-C Catalysts and Correlation with Molecular Probe and Spectroscopic Site-Counting Methods. ECS Meeting Abstracts, 2024, MA2024-01, 2068-2068.	0.0	0

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19	AEM Water Electrolysis with Ni-Based Catalysts and Tailored Poly(arylene piperidinium) Materials for Improved Stability. ECS Meeting Abstracts, 2024, MA2024-01, 3097-3097.	0.0	0
20	(Invited) OER Active Phases, Catalytic Mechanism and Reaction Centers of Ni (oxy)Hydroxide with and without Fe Impurities. ECS Meeting Abstracts, 2024, MA2024-01, 1828-1828.	0.0	0
21	(Invited) Design Principles and Operation of PEM Electrolyzers for Power-to-Gas Technologies. ECS Meeting Abstracts, 2024, MA2024-01, 1690-1690.	0.0	0
22	Efficient Ni-NC Gas Diffusion Electrodes for CO ₂ Electrolyzer with High Utilization Efficiencies and Single Pass Conversions Towards CO. ECS Meeting Abstracts, 2024, MA2024-01, 2133-2133.	0.0	0
23	(Invited) Structural Transformations of OER Catalysts during Activation and Operation. ECS Meeting Abstracts, 2024, MA2024-01, 1671-1671.	0.0	0
24	Local ionic transport enables selective PGM-free bipolar membrane electrode assembly. Nature Communications, 2024, 15, .	13.2	0
25	Oxygen Reduction Reaction Activity and Stability of Shaped Metal-Doped PtNi Electrocatalysts Evaluated in Gas Diffusion Electrode Half-Cells. ACS Applied Materials & Interfaces, 2024, 16, 52406-52413.	8.3	0
26	Origins of Nanoalloy Catalysts Degradation during Membrane Electrode Assembly Fabrication. ACS Energy Letters, 2024, 9, 5251-5258.	18.4	0
27	Active Surface Area and Intrinsic Catalytic Oxygen Evolution Reactivity of NiFe LDH at Reactive Electrode Potentials Using Capacitances. ACS Catalysis, 2023, 13, 1186-1196.	11.7	68
28	Electrochemically robust oxide-supported dendritic Pt and Ir nanoparticles for highly effective polymer electrolyte membrane-unitized regenerative fuel cells. Journal of Materials Chemistry A, 2023, 11, 5864-5872.	10.5	3
29	Electroreduction of CO ₂ on Au(310)@Cu High-Index Facets. Angewandte Chemie, 2023, 135, .	2.1	0
30	Electroreduction of CO ₂ on Au(310)@Cu High-Index Facets. Angewandte Chemie - International Edition, 2023, 62, .	14.8	17
31	Electrochemical Synthesis of Urea: Co-reduction of Nitric Oxide and Carbon Monoxide. ACS Catalysis, 2023, 13, 1926-1933.	11.7	29
32	Effect of Metal Layer Support Structures on the Catalytic Activity of NiFe(oxy)hydroxide (LDH) for the OER in Alkaline Media. ChemCatChem, 2023, 15, .	3.8	5
33	Vacancy Promotion in Layered Double Hydroxide Electrocatalysts for Improved Oxygen Evolution Reaction Performance. ACS Catalysis, 2023, 13, 4799-4810.	11.7	34
34	Seawater Electrolysis Using All-PGM-Free Catalysts and Cell Components in an Asymmetric Feed. ACS Energy Letters, 2023, 8, 2387-2394.	18.4	30
35	Post-Synthesis Heat Treatment of Doped PtNi-Alloy Fuel-Cell Catalyst Nanoparticles Studied by In-Situ Electron Microscopy. ACS Applied Energy Materials, 2023, 6, 5959-5967.	5.3	3
36	Structural and Reactivity Effects of Secondary Metal Doping into Iron-Nitrogen-Carbon Catalysts for Oxygen Electroreduction. Journal of the American Chemical Society, 2023, 145, 14737-14747.	14.6	25

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37	Three-Dimensional WCoFe Ternary Metal Oxide Nanowire Network as a Carbon-Free Cathode Catalyst for High-Performance Li ⁺ O ₂ Batteries. ACS Sustainable Chemistry and Engineering, 2023, 11, 10640-10648.	6.9	2
38	A Comparative Study on the Activity and Stability of Iridium-Based Co-Catalysts for Cell Reversal Tolerant PEMFC Anodes. Journal of the Electrochemical Society, 2023, 170, 084505.	2.9	1
39	Assessing Utilization Boundaries for Pt-Based Catalysts in an Operating Proton-Exchange Membrane Fuel Cell. ACS Applied Energy Materials, 2023, 6, 8660-8665.	5.3	5
40	Paired Electrocatalytic Valorization of CO ₂ and Hydroxymethylfurfural in a Noble Metal-free Bipolar Membrane Electrolyzer. ACS Sustainable Chemistry and Engineering, 2023, 11, 13628-13635.	6.9	4
41	Understanding the impact of catholyte flow compartment design on the efficiency of CO ₂ electrolyzers. Energy and Environmental Science, 2023, 16, 5265-5273.	32.2	7
42	A CO ₂ electrolyzer tandem cell system for CO ₂ -CO co-feed valorization in a Ni-N-C/Cu-catalyzed reaction cascade. Nature Communications, 2023, 14, .	13.2	18
43	Hydrogenation versus hydrogenolysis during alkaline electrochemical valorization of 5-hydroxymethylfurfural over oxide-derived Cu-bimetallics. Nature Communications, 2023, 14, .	13.2	15
44	A Life-Cycle of Ni in Proton Exchange Membrane Fuel Cells. ECS Meeting Abstracts, 2023, MA2023-01, 2277-2277.	0.0	0
45	Nife LDH: From Molecular Understanding to Highly Active Single Cell Measurements. ECS Meeting Abstracts, 2023, MA2023-01, 2064-2064.	0.0	0
46	Structural Transformations in Ni (Oxy)Hydroxide Host Structures Under Operating Conditions for Oxygen Evolution Electrocatalysts. ECS Meeting Abstracts, 2023, MA2023-01, 2062-2062.	0.0	0
47	Catalyst Support Interactions of Highly Active Nife-LDH Towards the Implementation in Photoelectrochemical and Sea-Water Based Water Splitting Technologies. ECS Meeting Abstracts, 2023, MA2023-01, 2195-2195.	0.0	0
48	Teflon-Based Gas Diffusion Electrode with a Novel Current Collector Concept for Scalable Highly Efficient CO ₂ Reduction Electrolyzers. ECS Meeting Abstracts, 2023, MA2023-01, 1742-1742.	0.0	0
49	(Invited) Ir-Based Catalysts for the Electrochemical Oxygen Evolution Reaction in Acidic Environments. ECS Meeting Abstracts, 2023, MA2023-01, 2025-2025.	0.0	0
50	Design of Noble-Metal-Free Membrane Electrode Assemblies Based on Metal Chalcogenides for Electrochemical Hydrogen Production Via Alkaline Seawater Electrolysis. ECS Meeting Abstracts, 2023, MA2023-01, 2060-2060.	0.0	0
51	Ir _x Nb _{1-x} O ₂ Mixed Metal Oxides As Anode Catalyst for PEM Electrolysis: From Fundamentals to Application. ECS Meeting Abstracts, 2023, MA2023-01, 2043-2043.	0.0	0
52	Efficient Ni-N-C Gas Diffusion Electrodes for Near Neutral and Acidic CO ₂ Reduction in a Zero-Gap Configuration. ECS Meeting Abstracts, 2023, MA2023-01, 1721-1721.	0.0	0
53	Electrochemical CO ₂ Reduction to Ethylene Using Coupled Tandem Electrolyzers. ECS Meeting Abstracts, 2023, MA2023-01, 1716-1716.	0.0	0
54	(Keynote) Electrochemical CO ₂ Reduction on NiNC Single Metal Atom Catalysts Under Alkaline to Acidic pH Conditions. ECS Meeting Abstracts, 2023, MA2023-01, 2557-2557.	0.0	0

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55	Fundamental Insights into Reaction Centers and Catalytic Mechanisms of Ni- and Co-Based Layered Oxyhydroxides for the Oxygen Evolution Reaction. ECS Meeting Abstracts, 2023, MA2023-01, 1965-1965.	0.0	0
56	Iridium Deposited on Niobium-Doped Titanium Dioxide (NbTiO) for High-Stability and Effective Oxygen Evolution Reaction (OER) Catalyst in Acidic Environment. ECS Meeting Abstracts, 2023, MA2023-01, 2047-2047.	0.0	0
57	Electrochemical carbonyl reduction on single-site Ni-C catalysts. Communications Chemistry, 2023, 6, .	4.9	5
58	Standardizing OER Electrocatalyst Benchmarking in Aqueous Electrolytes: Comprehensive Guidelines for Accelerated Stress Tests and Backing Electrodes. ACS Catalysis, 2023, 13, 15375-15392.	11.7	5
59	Unraveling the synergistic effects of Cu-Ag tandem catalysts during electrochemical CO ₂ reduction using nanofocused X-ray probes. Nature Communications, 2023, 14, .	13.2	11
60	Chemical Kinetic Method for Active-Site Quantification in Fe-N-C Catalysts and Correlation with Molecular Probe and Spectroscopic Site-Counting Methods. Journal of the American Chemical Society, 2023, 145, 26222-26237.	14.6	6
61	(Invited) Metal Oxide Nanoparticles for Stable Alkaline Oxygen Evolution Reaction in an Anion Exchange Membrane Electrolyser Cell. ECS Meeting Abstracts, 2023, MA2023-02, 2432-2432.	0.0	0
62	Operando x-Ray Absorption Spectroscopy Investigation of Secondary Metal Doping into Iron-Nitrogen-Carbon Catalysts for Oxygen Electroreduction. ECS Meeting Abstracts, 2023, MA2023-02, 2676-2676.	0.0	0
63	Fe-N-C Oxygen Reduction Catalysts Via Chemical Vapor Deposition in Fluidized Bed Reactor. ECS Meeting Abstracts, 2023, MA2023-02, 1941-1941.	0.0	0
64	A New Catalyst System for the Oxygen Reduction Reaction (ORR) at Fuel Cell Cathodes: P-Block Precious Group Metal-Free Tin and Nitrogen-Doped Carbon (SnNC) Catalyst. ECS Meeting Abstracts, 2023, MA2023-02, 1943-1943.	0.0	0
65	Carbon Corrosion Behavior of Carbon Support Materials for PGM-Based Catalysts in PEM Fuel Cells. ECS Meeting Abstracts, 2023, MA2023-02, 1982-1982.	0.0	0
66	(ECS Carl Wagner Memorial Award) Free Electrons to Molecular Bonds and Back - The Dark Side of Solar Fuels and Chemicals. ECS Meeting Abstracts, 2023, MA2023-02, 2119-2119.	0.0	0
67	Enhancing the Hydrogen-Air Fuel Cell Performance of Octahedral Pt _{ni} Nanoalloys with Rational Design of Dopants, Layering and Support in the PEM Fuel Cells. ECS Meeting Abstracts, 2023, MA2023-02, 1993-1993.	0.0	0
68	Covalent Organic Framework (COF) Derived Ni ₂ N ₄ C Catalysts for Electrochemical CO ₂ Reduction: Unraveling Fundamental Kinetic and Structural Parameters of the Active Sites. Angewandte Chemie, 2022, 134, .	2.1	8
69	Covalent Organic Framework (COF) Derived Ni ₂ N ₄ C Catalysts for Electrochemical CO ₂ Reduction: Unraveling Fundamental Kinetic and Structural Parameters of the Active Sites. Angewandte Chemie - International Edition, 2022, 61, .	14.8	39
70	Property-reactivity relations of N-doped PEM fuel cell cathode catalyst supports. Applied Catalysis B: Environmental, 2022, 306, 121118.	20.7	17
71	Effect of cationic monomer structure on the aggregation behavior of amphoteric acrylic polymer around isoelectric point. Journal of Leather Science and Engineering, 2022, 4, .	5.6	9
72	Impact of Carbon N-Doping and Pyridinic-N Content on the Fuel Cell Performance and Durability of Carbon-Supported Pt Nanoparticle Catalysts. ACS Applied Materials & Interfaces, 2022, 14, 18420-18430.	8.3	33

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73	Synergistic Interaction of Polycyclic Aromatic Hydrocarbons, Phthalate Esters, or Phenol on DNA Adduct Formation by Aristolochic Acid I: Insights into the Etiology of Balkan Endemic Nephropathy. <i>Chemical Research in Toxicology</i> , 2022, 35, 849-857.	3.5	8
74	High loading of single atomic iron sites in Fe ^{II} /NC oxygen reduction catalysts for proton exchange membrane fuel cells. <i>Nature Catalysis</i> , 2022, 5, 311-323.	28.3	324
75	Understanding the Performance Increase of Catalysts Supported on N-Functionalized Carbon in PEMFC Catalyst Layers. <i>Journal of the Electrochemical Society</i> , 2022, 169, 054520.	2.9	15
76	Ru clusters anchored on Magn ^{II} /li phase Ti ₄ O ₇ nanofibers enables flexible and highly efficient Li ^{II} /O ₂ batteries. <i>Energy Storage Materials</i> , 2022, 50, 355-364.	18.4	33
77	Highly Active and Stable Large Mo-Doped Pt ^{II} /Ni Octahedral Catalysts for ORR: Synthesis, Post-treatments, and Electrochemical Performance and Stability. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 29690-29702.	8.3	7
78	Improving Silicon Photocathode Performance for Water Reduction through Dual Interface Engineering and Integrating ReS ₂ Photocatalyst. <i>ACS Applied Energy Materials</i> , 2022, 5, 8222-8231.	5.3	7
79	Low ^{II} /Pt Ni/NC-supported PtNi Nanoalloy Oxygen Reduction Reaction Electrocatalysts ^{II} In Situ Tracking of the Atomic Alloying Process. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	14.8	36
80	Low ^{II} /Pt Ni/NC-supported PtNi Nanoalloy Oxygen Reduction Reaction Electrocatalysts ^{II} In Situ Tracking of the Atomic Alloying Process. <i>Angewandte Chemie</i> , 2022, 134, .	2.1	1
81	Catalytically-Active Phases and Reaction Mechanism of Ni-Based and Co-Based Layered Double Hydroxides for the Oxygen Evolution Reaction. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 1368-1368.	0.0	0
82	Kinetic Diagnostics and Synthetic Design of Platinum Group Metal-Free Electrocatalysts for the Oxygen Reduction Reaction Using Reactivity Maps and Site Utilization Descriptors. <i>Journal of the American Chemical Society</i> , 2022, 144, 13487-13498.	14.6	23
83	On the electrocatalytical oxygen reduction reaction activity and stability of quaternary RhMo-doped PtNi/C octahedral nanocrystals. <i>Chemical Science</i> , 2022, 13, 9295-9304.	7.8	14
84	Anion-Tuned Layered Double Hydroxide Anodes for Anion Exchange Membrane Water Electrolyzers: From Catalyst Screening to Single-Cell Performance. <i>ACS Energy Letters</i> , 2022, 7, 3415-3422.	18.4	21
85	Catalyst ^{II} Support Surface Charge Effects on Structure and Activity of IrNi-Based Oxygen Evolution Reaction Catalysts Deposited on Tin-Oxide Supports. <i>Chemistry of Materials</i> , 2022, 34, 9350-9363.	7.1	8
86	(Invited) Understanding and Tuning the Cell Reversal Tolerance of PEM Fuel Cell Anodes: Application-Relevant Design Parameters for Precious Metals Catalysts. <i>ECS Meeting Abstracts</i> , 2022, MA2022-02, 1538-1538.	0.0	0
87	Intrinsic Catalytic Activity and Active Phase for Oxygen Evolution in Layered Double Hydroxide Electrocatalysts. <i>ECS Meeting Abstracts</i> , 2022, MA2022-02, 1870-1870.	0.0	0
88	High Power Density Automotive Membrane Electrode Assemblies. <i>ECS Meeting Abstracts</i> , 2022, MA2022-02, 2560-2560.	0.0	0
89	Iridium single atoms incorporated in Co ₃ O ₄ efficiently catalyze the oxygen evolution in acidic conditions. <i>Nature Communications</i> , 2022, 13, .	13.2	134
90	Live-interactive teledermatology program in Taiwan: One-year experience serving a district hospital in rural Taitung County. <i>Journal of the Formosan Medical Association</i> , 2021, 120, 422-428.	1.7	11

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91	Modular Design of Highly Active Unitized Reversible Fuel Cell Electrocatalysts. ACS Energy Letters, 2021, 6, 177-183.	18.4	26
92	Surface site density and utilization of platinum group metal (PGM)-free Fe ^{II} /NC and Fe ^{III} /NC electrocatalysts for the oxygen reduction reaction. Chemical Science, 2021, 12, 384-396.	7.8	48
93	Molecular Analysis of the Unusual Stability of an IrNbO _x Catalyst for the Electrochemical Water Oxidation to Molecular Oxygen (OER). ACS Applied Materials & Interfaces, 2021, 13, 3748-3761.	8.3	22
94	Electro-catalysts for oxygen electrodes in seawater electrolyzers (OER) and reversible electrolyzers (OER/ORR). , 2021, , 83-103.		2
95	Morphology and mechanism of highly selective Cu(II) oxide nanosheet catalysts for carbon dioxide electroreduction. Nature Communications, 2021, 12, 794.	13.2	212
96	Lingonberry polyphenols: Potential SARS-CoV-2 inhibitors as nutraceutical tools?. Physiological Reports, 2021, 9, e14741.	1.8	3
97	Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study. Anaesthesia, 2021, 76, 748-758.	3.9	400
98	Accelerated Degradation Protocols for Iridium-Based Oxygen Evolving Catalysts in Water Splitting Devices. Journal of the Electrochemical Society, 2021, 168, 034508.	2.9	23
99	15P A pivotal multicenter translational research project on malignant pleural mesothelioma (MPM): Preliminary results. Annals of Oncology, 2021, 32, S7.	1.3	0
100	MIR503HG Loss Promotes Endothelial-to-Mesenchymal Transition in Vascular Disease. Circulation Research, 2021, 128, 1173-1190.	10.7	45
101	Synergized Multimetal Oxides with Amorphous/Crystalline Heterostructure as Efficient Electrocatalysts for Lithium-Oxygen Batteries. Advanced Energy Materials, 2021, 11, 2100110.	22.2	82
102	Molecular Understanding of the Impact of Saline Contaminants and Alkaline pH on NiFe Layered Double Hydroxide Oxygen Evolution Catalysts. ACS Catalysis, 2021, 11, 6800-6809.	11.7	61
103	Evidence of Mars-van-Krevelen Mechanism in the Electrochemical Oxygen Evolution on Ni-Based Catalysts. Angewandte Chemie, 2021, 133, 15108-15115.	2.1	10
104	Nutritional and chemical profiling of UK-grown potato bean (Apios americana Medik) reveal its potential for diet diversification and revalorisation. Journal of Food Composition and Analysis, 2021, 98, 103821.	4.0	9
105	Intrinsic Electrocatalytic Activity for Oxygen Evolution of Crystalline 3d-Transition Metal Layered Double Hydroxides. Angewandte Chemie, 2021, 133, 14567-14578.	2.1	35
106	Intrinsic Electrocatalytic Activity for Oxygen Evolution of Crystalline 3d-Transition Metal Layered Double Hydroxides. Angewandte Chemie - International Edition, 2021, 60, 14446-14457.	14.8	192
107	Evidence of Mars-van-Krevelen Mechanism in the Electrochemical Oxygen Evolution on Ni-Based Catalysts. Angewandte Chemie - International Edition, 2021, 60, 14981-14988.	14.8	79
108	Consecutive Nucleation and Confinement Modulation towards Li Plating in Seeded Capsules for Durable Li-Metal Batteries. Angewandte Chemie, 2021, 133, 14159-14169.	2.1	19

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109	Can we define any marker associated with brain failure in patients with locally advanced non-small cell lung cancer?. <i>Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique</i> , 2021, 25, 316-322.	1.2	2
110	High crystallinity design of Ir-based catalysts drives catalytic reversibility for water electrolysis and fuel cells. <i>Nature Communications</i> , 2021, 12, 4271.	13.2	98
111	One-Pot Hydrothermal-Derived Ni ₂ S ₄ with Vertically Aligned Nanorods as a Binder-Free Electrode for Coin-Cell-Type Hybrid Supercapacitor. <i>Small Methods</i> , 2021, 5, e2100335.	9.6	41
112	In Situ Formed Sn ₁ X ₁ @In ₁ Y ₁ Sn ₃ Y ₃ Core@Shell Nanoparticles as Electrocatalysts for CO ₂ Reduction to Formate. <i>Advanced Functional Materials</i> , 2021, 31, 2103601.	16.5	36
113	Size and Composition Dependence of Oxygen Reduction Reaction Catalytic Activities of Mo-Doped PtNi/C Octahedral Nanocrystals. <i>ACS Catalysis</i> , 2021, 11, 11407-11415.	11.7	29
114	Seed-Mediated Synthesis and Catalytic ORR Reactivity of Facet-Stable, Monodisperse Platinum Nano-Octahedra. <i>ACS Applied Energy Materials</i> , 2021, 4, 9542-9552.	5.3	18
115	Water electrolysis: Direct from the sea or not to be?. <i>Joule</i> , 2021, 5, 1921-1923.	24.7	85
116	Impact of Carbon Support Meso-Porosity on Mass Transport and Performance of PEMFC Cathode Catalyst Layers. <i>ChemCatChem</i> , 2021, 13, 4759-4769.	3.8	16
117	Highly efficient electrochemical production of hydrogen peroxide over nitrogen and phosphorus dual-doped carbon nanosheet in alkaline medium. <i>Journal of Electroanalytical Chemistry</i> , 2021, 896, 115197.	3.9	34
118	Conservative Treatment of Ankle Osteoarthritis. <i>Journal of Clinical Medicine</i> , 2021, 10, 4561.	2.5	14
119	Assessing the Realizable Flexibility Potential of Electrochemical Processes. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 13637-13660.	3.8	14
120	Polymer electrolyte membrane (PEM) electrolysis of H ₂ O ₂ from O ₂ and H ₂ O with continuous on-line spectrophotometric product detection: Load flexibility studies. <i>Journal of Electroanalytical Chemistry</i> , 2021, 896, 115465.	3.9	9
121	Challenge in metal-air batteries: From the design to the performance of metal oxide-based electrocatalysts. , 2021, , 187-212.		1
122	Particle size-controlled synthesis of high-performance MnCo-based materials for alkaline OER at fluctuating potentials. <i>Catalysis Science and Technology</i> , 2021, 11, 7278-7286.	4.2	9
123	The product selectivity zones in gas diffusion electrodes during the electrocatalytic reduction of CO ₂ . <i>Energy and Environmental Science</i> , 2021, 14, 5995-6006.	32.2	66
124	Rapid synthesis of supported single metal nanoparticles and effective removal of stabilizing ligands. <i>Journal of Materials Chemistry A</i> , 2021, 9, 24283-24289.	10.5	8
125	Advancements in cathode catalyst and cathode layer design for proton exchange membrane fuel cells. <i>Nature Communications</i> , 2021, 12, 5984.	13.2	153
126	Electrochemical Strain Dynamics in Noble Metal Nanocatalysts. <i>Journal of the American Chemical Society</i> , 2021, 143, 17068-17078.	14.6	24

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127	Reopening a Student-Run Free Clinic During the COVID-19 Pandemic to Provide Care for People Experiencing Homelessness. <i>Academic Medicine</i> , 2021, Publish Ahead of Print, .	1.8	4
128	(Invited) Pt Alloy Octahedral Nanoparticle Catalysts from Screening Studies to Fuel Cell Measurements. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 1192-1192.	0.0	0
129	A H ₂ O ₂ PEM Electrolyser with Continuous Online Spectrophotometric Product Detection: Load Flexibility Studies. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 1265-1265.	0.0	0
130	Unified mechanistic understanding of CO ₂ reduction to CO on transition metal and single atom catalysts. <i>Nature Catalysis</i> , 2021, 4, 1024-1031.	28.3	199
131	Efficient electrolysis of 5-hydroxymethylfurfural to the biopolymer-precursor furandicarboxylic acid in a zero-gap MEA-type electrolyzer. <i>Cell Reports Physical Science</i> , 2021, 2, 100650.	5.8	13
132	Mildly Oxidized MXene (Ti ₃ C ₂ , Nb ₂ C, and V ₂ C) Electrocatalyst via a Generic Strategy Enables Longevous Li ⁺ O ₂ Battery under a High Rate. <i>ACS Nano</i> , 2021, 15, 19640-19650.	15.3	52
133	No link between male infertility and HEV genotype 3 infection. <i>Gut</i> , 2020, 69, 1150-1151.	13.7	14
134	Exploiting cationic vacancies for increased energy densities in dual-ion batteries. <i>Energy Storage Materials</i> , 2020, 25, 154-163.	18.4	20
135	Critical review on proteotypic peptide marker tracing for six allergenic ingredients in incurred foods by mass spectrometry. <i>Food Research International</i> , 2020, 128, 108747.	6.4	38
136	Ionomer distribution control in porous carbon-supported catalyst layers for high-power and low Pt-loaded proton exchange membrane fuel cells. <i>Nature Materials</i> , 2020, 19, 77-85.	26.6	449
137	The Role of Surface Hydroxylation, Lattice Vacancies and Bond Covalency in the Electrochemical Oxidation of Water (OER) on Ni-Depleted Iridium Oxide Catalysts. <i>Zeitschrift Fur Physikalische Chemie</i> , 2020, 234, 787-812.	2.8	13
138	Design and Validation of a Fluidized Bed Catalyst Reduction Reactor for the Synthesis of Well-Dispersed Nanoparticle Ensembles. <i>Journal of the Electrochemical Society</i> , 2020, 167, 114509.	2.9	2
139	Electrocatalytic CO ₂ Reduction on CuO Nanocubes: Tracking the Evolution of Chemical State, Geometric Structure, and Catalytic Selectivity using Operando Spectroscopy. <i>Angewandte Chemie</i> , 2020, 132, 18130-18139.	2.1	48
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