Justus Masa

List of Publications by Year
in descending order

129 papers	9,380 citations	41344 49 h-index	39675 94 g-index
134 all docs	134 docs citations	134 times ranked	11113 citing authors

#	Article	IF	Citations
1	Co@Co₃O₄ Encapsulated in Carbon Nanotubeâ€Grafted Nitrogenâ€Doped Carbon Polyhedra as an Advanced Bifunctional Oxygen Electrode. Angewandte Chemie - International Edition, 2016, 55, 4087-4091.	13.8	1,027
2	Amorphous Cobalt Boride (Co₂B) as a Highly Efficient Nonprecious Catalyst for Electrochemical Water Splitting: Oxygen and Hydrogen Evolution. Advanced Energy Materials, 2016, 6, 1502313.	19.5	686
3	On the Role of Metals in Nitrogenâ€Doped Carbon Electrocatalysts for Oxygen Reduction. Angewandte Chemie - International Edition, 2015, 54, 10102-10120.	13.8	583
4	Mn_{<i>x</i>}O_{<i>y</i>}/NC and Co_{<i>x</i>}O_{<i>y</i>}/NC Nanoparticles Embedded in a Nitrogenâ€Doped Carbon Matrix for Highâ€Performance Bifunctional Oxygen Electrodes. Angewandte Chemie - International Edition, 2014, 53, 8508-8512.	13.8	482
5	Ultrathin High Surface Area Nickel Boride (Ni<i>_x</i>B) Nanosheets as Highly Efficient Electrocatalyst for Oxygen Evolution. Advanced Energy Materials, 2017, 7, 1700381.	19.5	348
6	Electrocatalytic Oxidation of 5â€(Hydroxymethyl)furfural Using Highâ€Surfaceâ€Area Nickel Boride. Angewandte Chemie - International Edition, 2018, 57, 11460-11464.	13.8	283
7	Spinel Mnâ€“Co Oxide in N-Doped Carbon Nanotubes as a Bifunctional Electrocatalyst Synthesized by Oxidative Cutting. Journal of the American Chemical Society, 2014, 136, 7551-7554.	13.7	275
8	Metallic NiPS₃@NiOOH Coreâ€“Shell Heterostructures as Highly Efficient and Stable Electrocatalyst for the Oxygen Evolution Reaction. ACS Catalysis, 2017, 7, 229-237.	11.2	233
9	Trimetallic Mnâ€Feâ€Ni Oxide Nanoparticles Supported on Multiâ€Walled Carbon Nanotubes as Highâ€Performance Bifunctional ORR/OER Electrocatalyst in Alkaline Media. Advanced Functional Materials, 2020, 30, 1905992.	14.9	209
10	Nanoporous Nitrogenâ€Doped Graphene Oxide/Nickel Sulfide Composite Sheets Derived from a Metalâ€Organic Framework as an Efficient Electrocatalyst for Hydrogen and Oxygen Evolution. Advanced Functional Materials, 2017, 27, 1700451.	14.9	198
11	Koutecky-Levich analysis applied to nanoparticle modified rotating disk electrodes: Electrocatalysis or misinterpretation. Nano Research, 2014, 7, 71-78.	10.4	169
12	Low Overpotential Water Splitting Using Cobaltâ€“Cobalt Phosphide Nanoparticles Supported on Nickel Foam. ACS Energy Letters, 2016, 1, 1192-1198.	17.4	143
13	Electrocatalysis as the Nexus for Sustainable Renewable Energy: The Gordian Knot of Activity, Stability, and Selectivity. Angewandte Chemie - International Edition, 2020, 59, 15298-15312.	13.8	140
14	Oxygen reduction reaction usingN₄-metallomacrocyclic catalysts: fundamentals on rational catalyst design. Journal of Porphyrins and Phthalocyanines, 2012, 16, 761-784.	0.8	132
15	Powder Catalyst Fixation for Postâ€Electrolysis Structural Characterization of NiFe Layered Double Hydroxide Based Oxygen Evolution Reaction Electrocatalysts. Angewandte Chemie - International Edition, 2017, 56, 11258-11262.	13.8	130
16	Metal-free catalysts for oxygen reduction in alkaline electrolytes: Influence of the presence of Co, Fe, Mn and Ni inclusions. Electrochimica Acta, 2014, 128, 271-278.	5.2	129
17	Trace metal residues promote the activity of supposedly metal-free nitrogen-modified carbon catalysts for the oxygen reduction reaction. Electrochemistry Communications, 2013, 34, 113-116.	4.7	124
18	Online Monitoring of Electrochemical Carbon Corrosion in Alkaline Electrolytes by Differential Electrochemical Mass Spectrometry. Angewandte Chemie - International Edition, 2020, 59, 1585-1589.	13.8	124

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19	Synergistic Effect of Cobalt and Iron in Layered Double Hydroxide Catalysts for the Oxygen Evolution Reaction. ChemSusChem, 2017, 10, 156-165.	6.8	117
20	MOFs for Electrocatalysis: From Serendipity to Design Strategies. Small Methods, 2019, 3, 1800415.	8.6	100
21	Stabilization of Cu⁺by tuning a CuOâ€“CeO₂interface for selective electrochemical CO₂reduction to ethylene. Green Chemistry, 2020, 22, 6540-6546.	9.0	98
22	MoSSe@reduced graphene oxide nanocomposite heterostructures as efficient and stable electrocatalysts for the hydrogen evolution reaction. Nano Energy, 2016, 29, 46-53.	16.0	94
23	Niâ€Metalloid (B, Si, P, As, and Te) Alloys as Water Oxidation Electrocatalysts. Advanced Energy Materials, 2019, 9, 1900796.	19.5	93
24	Ultrathin 2D Cobalt Zeoliteâ€Imidazole Framework Nanosheets for Electrocatalytic Oxygen Evolution. Advanced Science, 2018, 5, 1801029.	11.2	92
25	Oxygen Evolution Electrocatalysis of a Single MOFâ€Derived Composite Nanoparticle on the Tip of a Nanoelectrode. Angewandte Chemie - International Edition, 2019, 58, 8927-8931.	13.8	91
26	Highly active metal-free nitrogen-containing carbon catalysts for oxygen reduction synthesized by thermal treatment of polypyridine-carbon black mixtures. Electrochemistry Communications, 2011, 13, 593-596.	4.7	89
27	Bifunktionale Sauerstoffelektroden durch Einbettung von Co@Co₃O₄â€Nanopartikeln in CNTâ€gekoppelte Stickstoffâ€dotierte Kohlenstoffpolyeder. Angewandte Chemie, 2016, 128, 4155-4160.	2.0	85
28	The Role of Nonâ€Metallic and Metalloid Elements on the Electrocatalytic Activity of Cobalt and Nickel Catalysts for the Oxygen Evolution Reaction. ChemCatChem, 2019, 11, 5842-5854.	3.7	85
29	Highly Concentrated Aqueous Dispersions of Graphene Exfoliated by Sodium Taurodeoxycholate: Dispersion Behavior and Potential Application as a Catalyst Support for the Oxygenâ€Reduction Reaction. Chemistry - A European Journal, 2012, 18, 6972-6978.	3.3	76
30	Activation and Stabilization of Nitrogen-Doped Carbon Nanotubes as Electrocatalysts in the Oxygen Reduction Reaction at Strongly Alkaline Conditions. Journal of Physical Chemistry C, 2013, 117, 24283-24291.	3.1	76
31	Activation of oxygen evolving perovskites for oxygen reduction by functionalization with Feâ€“N_x/C groups. Chemical Communications, 2014, 50, 14760-14762.	4.1	76
32	Co₃O₄@Co/NCNT Nanostructure Derived from a Dicyanamideâ€Based Metalâ€Organic Framework as an Efficient Biâ€functional Electrocatalyst for Oxygen Reduction and Evolution Reactions. Chemistry - A European Journal, 2017, 23, 18049-18056.	3.3	74
33	Perovskite-based bifunctional electrocatalysts for oxygen evolution and oxygen reduction in alkaline electrolytes. Electrochimica Acta, 2016, 208, 25-32.	5.2	73
34	Cobalt boride modified with N-doped carbon nanotubes as a high-performance bifunctional oxygen electrocatalyst. Journal of Materials Chemistry A, 2017, 5, 21122-21129.	10.3	73
35	High-yield exfoliation of graphite in acrylate polymers: A stable few-layer graphene nanofluid with enhanced thermal conductivity. Carbon, 2013, 64, 288-294.	10.3	71
36	Evaluation of Perovskites as Electrocatalysts for the Oxygen Evolution Reaction. ChemPhysChem, 2014, 15, 2810-2816.	2.1	70

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37	N-doped carbon synthesized from N-containing polymers as metal-free catalysts for the oxygen reduction under alkaline conditions. Electrochimica Acta, 2013, 98, 139-145.	5.2	68
38	MOFâ€Templated Assembly Approach for Fe₃C Nanoparticles Encapsulated in Bambooâ€Like Nâ€Doped CNTs: Highly Efficient Oxygen Reduction under Acidic and Basic Conditions. Chemistry - A European Journal, 2017, 23, 12125-12130.	3.3	64
39	Role of Boron and Phosphorus in Enhanced Electrocatalytic Oxygen Evolution by Nickel Borides and Nickel Phosphides. ChemElectroChem, 2019, 6, 235-240.	3.4	62
40	Nanoelectrodes reveal the electrochemistry of single nickelhydroxide nanoparticles. Chemical Communications, 2016, 52, 2408-2411.	4.1	59
41	Cobaltâ€“metalloid alloys for electrochemical oxidation of 5-hydroxymethylfurfural as an alternative anode reaction in lieu of oxygen evolution during water splitting. Beilstein Journal of Organic Chemistry, 2018, 14, 1436-1445.	2.2	58
42	Influence of Temperature and Electrolyte Concentration on the Structure and Catalytic Oxygen Evolution Activity of Nickelâ€“Iron Layered Double Hydroxide. Chemistry - A European Journal, 2018, 24, 13773-13777.	3.3	57
43	Rapid and Surfactant-Free Synthesis of Bimetallic Ptâ€“Cu Nanoparticles Simply via Ultrasound-Assisted Redox Replacement. ACS Catalysis, 2012, 2, 1647-1653.	11.2	54
44	High-quality functionalized few-layer graphene: facile fabrication and doping with nitrogen as a metal-free catalyst for the oxygen reduction reaction. Journal of Materials Chemistry A, 2015, 3, 15444-15450.	10.3	53
45	Electrocatalysis and bioelectrocatalysis â€“ Distinction without a difference. Nano Energy, 2016, 29, 466-475.	16.0	53
46	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. Catalysis Today, 2020, 357, 259-268.	4.4	53
47	Elektrokatalytische Oxidation von 5â€(Hydroxymethyl)furfural an Nickelborid mit groÃŸer OberflÃche. Angewandte Chemie, 2018, 130, 11631-11636.	2.0	50
48	Utilization of the catalyst layer of dimensionally stable anodesâ€"Interplay of morphology and active surface area. Electrochimica Acta, 2012, 82, 408-414.	5.2	49
49	Bifunctional Oxygen Reduction/Oxygen Evolution Activity of Mixed Fe/Co Oxide Nanoparticles with Variable Fe/Co Ratios Supported on Multiwalled Carbon Nanotubes. ChemSusChem, 2018, 11, 1204-1214.	6.8	49
50	Ultrasound-Assisted Nitrogen and Boron Codoping of Graphene Oxide for Efficient Oxygen Reduction Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 3434-3442.	6.7	49
51	The Effect of Iron Impurities on Transition Metal Catalysts for the Oxygen Evolution Reaction in Alkaline Environment: Activity Mediators or Active Sites?. Catalysis Letters, 2021, 151, 1843-1856.	2.6	46
52	Activity and Stability of Oxides During Oxygen Evolution Reactionâ€â€â€From Mechanistic Controversies Toward Relevant Electrocatalytic Descriptors. Frontiers in Energy Research, 2021, 8, .	2.3	45
53	Metalâ€“Organic Framework Derived Carbon Nanotube Grafted Cobalt/Carbon Polyhedra Grown on Nickel Foam: An Efficient 3D Electrode for Full Water Splitting. ChemElectroChem, 2017, 4, 188-193.	3.4	43
54	Electrochemical synthesis of metalâ€“polypyrrole composites and their activation for electrocatalytic reduction of oxygen by thermal treatment. Electrochimica Acta, 2012, 60, 410-418.	5.2	40

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55	Efficient Electrochemical Reduction of CO₂ by Niâ€“N Catalysts with Tunable Performance. ACS Sustainable Chemistry and Engineering, 2019, 7, 15030-15035.	6.7	40
56	Techniques and methodologies in modern electrocatalysis: evaluation of activity, selectivity and stability of catalytic materials. Analyst, The, 2014, 139, 1274.	3.5	38
57	Co₃O₄â€“MnO₂â€“CNT Hybrids Synthesized by HNO₃ Vapor Oxidation of Catalytically Grown CNTs as OER Electrocatalysts. ChemCatChem, 2015, 7, 3027-3035.	3.7	38
58	Promoting effect of nitrogen doping on carbon nanotube-supported RuO2 applied in the electrocatalytic oxygen evolution reaction. Journal of Energy Chemistry, 2016, 25, 282-288.	12.9	38
59	Systematic Selection of Metalloporphyrinâ€Based Catalysts for Oxygen Reduction by Modulation of the Donorâ€“Acceptor Intermolecular Hardness. Chemistry - A European Journal, 2013, 19, 9644-9654.	3.3	37
60	A Simple Approach towards Highâ€Performance Perovskiteâ€Based Bifunctional Oxygen Electrocatalysts. ChemElectroChem, 2016, 3, 138-143.	3.4	37
61	Lignosulfonate biomass derived N and S co-doped porous carbon for efficient oxygen reduction reaction. Sustainable Energy and Fuels, 2018, 2, 1820-1827.	4.9	37
62	Carbon nanotubes modified with electrodeposited metal porphyrins and phenanthrolines for electrocatalytic applications. Electrochimica Acta, 2010, 55, 7597-7602.	5.2	35
63	Tuning the oxidation state of manganese oxide nanoparticles on oxygen- and nitrogen-functionalized carbon nanotubes for the electrocatalytic oxygen evolution reaction. Physical Chemistry Chemical Physics, 2017, 19, 18434-18442.	2.8	34
64	Application of SECM in tracing of hydrogen peroxide at multicomponent non-noble electrocatalyst films for the oxygen reduction reaction. Catalysis Today, 2013, 202, 55-62.	4.4	33
65	Achieving Highly Selective Electrocatalytic CO₂ Reduction by Tuning CuO-Sb₂O₃ Nanocomposites. ACS Sustainable Chemistry and Engineering, 2020, 8, 4948-4954.	6.7	33
66	Synergistic catalysis of CuO/In₂O₃ composites for highly selective electrochemical CO₂ reduction to CO. Chemical Communications, 2019, 55, 12380-12383.	4.1	32
67	Oxidative Deposition of Manganese Oxide Nanosheets on Nitrogen-Functionalized Carbon Nanotubes Applied in the Alkaline Oxygen Evolution Reaction. ACS Omega, 2018, 3, 11216-11226.	3.5	31
68	Characterisation of bifunctional electrocatalysts for oxygen reduction and evolution by means of SECM. Journal of Solid State Electrochemistry, 2016, 20, 1019-1027.	2.5	30
69	Enhancing the Selectivity between Oxygen and Chlorine towards Chlorine during the Anodic Chlorine Evolution Reaction on a Dimensionally Stable Anode. ChemElectroChem, 2019, 6, 3108-3112.	3.4	29
70	Enhancing the water splitting performance of cryptomelane-type Î±-(K)MnO2. Journal of Catalysis, 2019, 374, 335-344.	6.2	27
71	Bipolar Electrochemistry for Concurrently Evaluating the Stability of Anode and Cathode Electrocatalysts and the Overall Cell Performance during Long-Term Water Electrolysis. Analytical Chemistry, 2016, 88, 8835-8840.	6.5	26
72	Influence of Ni to Co ratio in mixed Co and Ni phosphides on their electrocatalytic oxygen evolution activity. Electrochemistry Communications, 2017, 79, 41-45.	4.7	25

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73	How to minimise destabilising effect of gas bubbles on water splitting electrocatalysts?. Current Opinion in Electrochemistry, 2021, 30, 100797.	4.8	24
74	Enhanced Electrocatalytic Stability of Platinum Nanoparticles Supported on a Nitrogenâ€Doped Composite of Carbon Nanotubes and Mesoporous Titania under Oxygen Reduction Conditions. ChemSusChem, 2012, 5, 523-525.	6.8	23
75	Pd deposited on functionalized carbon nanotubes for the electrooxidation of ethanol in alkaline media. Electrochemistry Communications, 2016, 63, 30-33.	4.7	23
76	Hollow CeO₂@Co₂N Nanosheets Derived from Coâ€ZIFâ€L for Boosting the Oxygen Evolution Reaction. Advanced Materials Interfaces, 2021, 8, 2100041.	3.7	23
77	On the Theory of Electrolytic Dissociation, the Greenhouse Effect, and Activation Energy in (Electro)Catalysis: A Tribute to Svante Augustus Arrhenius. Chemistry - A European Journal, 2019, 25, 158-166.	3.3	22
78	Significant enhancement of the oxygen reduction activity of self-heteroatom doped coal derived carbon through oxidative pretreatment. Electrochimica Acta, 2019, 312, 22-30.	5.2	21
79	Electrocatalytic Oxidation of Glycerol Using Solidâ€State Synthesised Nickel Boride: Impact of Key Electrolysis Parameters on Product Selectivity. ChemElectroChem, 2021, 8, 2336-2342.	3.4	21
80	Evaluation of kinetic constants on porous, non-noble catalyst layers for oxygen reductionâ€”A comparative study between SECM and hydrodynamic methods. Catalysis Today, 2016, 262, 74-81.	4.4	20
81	Insights into the Formation, Chemical Stability, and Activity of Transient Ni_{<i>y</i>}P@NiO<i>x</i> Coreâ€“Shell Heterostructures for the Oxygen Evolution Reaction. ACS Applied Energy Materials, 2020, 3, 2304-2309.	5.1	20
82	Overcoming the Instability of Nanoparticleâ€Based Catalyst Films in Alkaline Electrolyzers by using Selfâ€Assembling and Selfâ€Healing Films. Angewandte Chemie - International Edition, 2017, 56, 8573-8577.	13.8	19
83	Traditional earth-abundant coal as new energy materials to catalyze the oxygen reduction reaction in alkaline solution. Electrochimica Acta, 2016, 211, 568-575.	5.2	18
84	Simple conversion of earth-abundant coal to high-performance bifunctional catalysts for reversible oxygen electrodes. Catalysis Science and Technology, 2018, 8, 1104-1112.	4.1	18
85	Oxygen-deficient titania as alternative support for Pt catalysts for the oxygen reduction reaction. Journal of Energy Chemistry, 2014, 23, 701-707.	12.9	17
86	Promotional Effect of Fe Impurities in Graphene Precursors on the Activity of MnO_X/Graphene Electrocatalysts for the Oxygen Evolution and Oxygen Reduction Reactions. ChemElectroChem, 2017, 4, 2835-2841.	3.4	17
87	Co-Mn Hybrid Oxides Supported on N-Doped Graphene as Efficient Electrocatalysts for Reversible Oxygen Electrodes. Journal of the Electrochemical Society, 2018, 165, H580-H589.	2.9	17
88	Optimizing the synthesis of Co/Coâ€“Fe nanoparticles/N-doped carbon composite materials as bifunctional oxygen electrocatalysts. Electrochimica Acta, 2019, 318, 281-289.	5.2	17
89	Sauerstoffevolutionselektrokatalyse eines einzelnen MOFâ€basierten Kompositnanopartikels an der Spitze einer Nanoelektrode. Angewandte Chemie, 2019, 131, 9021-9026.	2.0	17
90	Microwave-Assisted Synthesis of Co/CoO_x Supported on Earth-Abundant Coal-Derived Carbon for Electrocatalysis of Oxygen Evolution. Journal of the Electrochemical Society, 2019, 166, F479-F486.	2.9	17

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91	Polybenzoxazineâ€Derived Nâ€doped Carbon as Matrix for Powderâ€Based Electrocatalysts. ChemSusChem, 2017, 10, 2653-2659.	6.8	16
92	Few-layer graphene modified with nitrogen-rich metallo-macrocyclic complexes as precursor for bifunctional oxygen electrocatalysts. Electrochimica Acta, 2016, 222, 1191-1199.	5.2	15
93	Fixierung von NiFeâ€Hydrotalkitâ€Pulverkatalysatoren fÃ¼r die postelektrolytische strukturelle Charakterisierung von Elektrokatalysatoren fÃ¼r die Sauerstoffevolution. Angewandte Chemie, 2017, 129, 11411-11416.	2.0	15
94	Fatty Acid Composition of Muscle, Liver, and Adipose Tissue of Freshwater Fish from Lake Victoria, Uganda. Journal of Aquatic Food Product Technology, 2011, 20, 64-72.	1.4	14
95	The two Janus faces in oxygen evolution electrocatalysis: Activity versus stability of layered double hydroxides. Current Opinion in Electrochemistry, 2017, 4, 4-10.	4.8	14
96	Utilization of the catalyst layer of dimensionally stable anodes. Part 2: Impact of spatial current distribution on electrocatalytic performance. Journal of Electroanalytical Chemistry, 2018, 828, 63-70.	3.8	14
97	Elektrokatalyse als Nexus fÃ¼r nachhaltige erneuerbare Energien â€“ der gordische Knoten aus AktivitÃt, StabilitÃt und SelektivitÃt. Angewandte Chemie, 2020, 132, 15410-15426.	2.0	14
98	Cobalt metalloid and polybenzoxazine derived composites for bifunctional oxygen electrocatalysis. Electrochimica Acta, 2019, 297, 1042-1051.	5.2	13
99	Onlineâ€Bestimmung der elektrochemischen Kohlenstoffkorrosion in alkalischen Elektrolyten durch differentielle elektrochemische Massenspektrometrie. Angewandte Chemie, 2020, 132, 1601-1605.	2.0	13
100	Breaking scaling relations in electrocatalysis. Journal of Solid State Electrochemistry, 2020, 24, 2181-2182.	2.5	13
101	Synergistic Effect of Molybdenum and Tungsten in Highly Mixed Carbide Nanoparticles as Effective Catalysts in the Hydrogen Evolution Reaction under Alkaline and Acidic Conditions. ChemElectroChem, 2020, 7, 983-988.	3.4	13
102	Overcoming cathode poisoning from electrolyte impurities in alkaline electrolysis by means of self-healing electrocatalyst films. Nano Energy, 2018, 53, 763-768.	16.0	12
103	Coupling electrochemistry with a fluorescence reporting reaction enabled by bipolar electrochemistry. Journal of Electroanalytical Chemistry, 2020, 872, 113921.	3.8	12
104	Differentiation between Carbon Corrosion and Oxygen Evolution Catalyzed by Ni x B/C Hybrid Electrocatalysts in Alkaline Solution using Differential Electrochemical Mass Spectrometry. ChemElectroChem, 2020, 7, 2680-2686.	3.4	11
105	Nitrogen-doped carbon cloth as a stable self-supported cathode catalyst for air/H2-breathing alkaline fuel cells. Electrochimica Acta, 2015, 182, 312-319.	5.2	10
106	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. Journal of Solid State Electrochemistry, 2020, 24, 2901-2906.	2.5	10
107	Fatty acids of polar lipids in heart tissue are good taxonomic markers for tropical African freshwater fish. African Journal of Aquatic Science, 2011, 36, 115-127.	1.1	9
108	Very low amount of TiO₂ on N-doped carbon nanotubes significantly improves oxygen reduction activity and stability of supported Pt nanoparticles. Physical Chemistry Chemical Physics, 2015, 17, 10767-10773.	2.8	9

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109	CoFeâ€“OH Double Hydroxide Films Electrodeposited on Ni-Foam as Electrocatalyst for the Oxygen Evolution Reaction. Zeitschrift Fur Physikalische Chemie, 2020, 234, 995-1019.	2.8	9
110	Scanning Electrochemical Microscopy for Investigation of Multicomponent Bioelectrocatalytic Films. ECS Transactions, 2011, 35, 33-44.	0.5	8
111	Micrometer-Precise Determination of the Thin Electrolyte Layer of a Spectroelectrochemical Cell by Microelectrode Approach Curves. Analytical Chemistry, 2017, 89, 4367-4372.	6.5	8
112	Electrocatalysis in confined space. Current Opinion in Electrochemistry, 2021, 25, 100644.	4.8	8
113	Fundamental Studies on the Electrocatalytic Properties of Metal Macrocyclics and Other Complexes for the Electroreduction of O2. Lecture Notes in Energy, 2013, , 157-212.	0.3	7
114	Electrochemical sensor for nitric oxide using layered films composed of a polycationic dendrimer and nickel(II) phthalocyaninetetrasulfonate deposited on a carbon fiber electrode. Mikrochimica Acta, 2015, 182, 1079-1087.	5.0	7
115	NH₃ Postâ€Treatment Induces High Activity of Coâ€Based Electrocatalysts Supported on Carbon Nanotubes for the Oxygen Evolution Reaction. ChemElectroChem, 2017, 4, 2091-2098.	3.4	7
116	Electrocatalysis Beyond 2020: How to Tune the Preexponential Frequency Factor. ChemElectroChem, 2022, 9, .	3.4	5
117	Perspective on experimental evaluation of adsorption energies at solid/liquid interfaces. Journal of Solid State Electrochemistry, 2021, 25, 33-42.	2.5	4
118	Trace Metal Loading of Bâ€Nâ€Coâ€doped Graphitic Carbon for Active and Stable Bifunctional Oxygen Reduction and Oxygen Evolution Electrocatalysts. ChemElectroChem, 2021, 8, 1685-1693.	3.4	4
119	A Combinatorial Approach for Optimization of Oxygen Evolution Catalyst Loading on Moâ€doped BiVO₄ Photoanodes. Electroanalysis, 2019, 31, 1500-1506.	2.9	3
120	RÃ¼cktitelbild: Eine Stickstoff-dotierte Kohlenstoffmatrix mit eingeschlossenen MnxOy/NC- und CoxOy/NC-Nanopartikeln fÃ¼r leistungsfÃ¤hige bifunktionale Sauerstoffelektroden (Angew. Chem.) Tj ETQq0 0 0 rg BT /Overlock 10 Tf 5	2.0	2
121	Importance of catalystâ€“photoabsorber interface design configuration on the performance of Mo-doped BiVO4 water splitting photoanodes. Journal of Solid State Electrochemistry, 2021, 25, 173-185.	2.5	2
122	2D Metal-Organic Frameworks: Ultrathin 2D Cobalt Zeolite-Imidazole Framework Nanosheets for Electrocatalytic Oxygen Evolution (Adv. Sci. 11/2018). Advanced Science, 2018, 5, 1870072.	11.2	1
123	Recent Advances in Electrode Materials for Electrochemical CO2Reduction. ACS Symposium Series, 2020, , 49-91.	0.5	1
124	Recovering activity of anodically challenged oxygen reduction electrocatalysts by means of reductive potential pulses. Electrochemistry Communications, 2021, 124, 106960.	4.7	1
125	Electrocatalysis: Nanoporous Nitrogenâ€Doped Graphene Oxide/Nickel Sulfide Composite Sheets Derived from a Metalâ€Organic Framework as an Efficient Electrocatalyst for Hydrogen and Oxygen Evolution (Adv. Funct. Mater. 33/2017). Advanced Functional Materials, 2017, 27, .	14.9	1
126	Application of Scanning Electrochemical Microscopy (SECM) to Study Electrocatalysis of Oxygen Reduction by MN4-Macrocyclic Complexes. , 2016, , 103-141.		0

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127	Co/Co-Fe Nanoparticles/N-Doped Carbon Composite as Bifunctional Electrocatalyst for Rechargeable Metal-Air Batteries. ECS Meeting Abstracts, 2018, , .	0.0	0
128	Enhancing the Activity and Stability of Manganese Oxide-Based Catalysts for the Electrochemical Oxygen Evolution Reaction. ECS Meeting Abstracts, 2018, , .	0.0	0
129	Celebrating Wolfgang Schuhmann's 65th Birthday. ChemElectroChem, 0, , .	3.4	0