Justus Masa

List of Publications by Year
in descending order

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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	Electrocatalysis Beyond 2020: How to Tune the Preexponential Frequency Factor. ChemElectroChem, 2022, 9, .	3.4	5
2	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
3	Electrocatalysis in confined space. Current Opinion in Electrochemistry, 2021, 25, 100644.	4.8	8
4	Perspective on experimental evaluation of adsorption energies at solid/liquid interfaces. Journal of Solid State Electrochemistry, 2021, 25, 33-42.	2.5	4
5	Hollow CeO₂@Co₂N Nanosheets Derived from Coâ€ZIFâ€L for Boosting the Oxygen Evolution Reaction. Advanced Materials Interfaces, 2021, 8, 2100041.	3.7	23
6	Recovering activity of anodically challenged oxygen reduction electrocatalysts by means of reductive potential pulses. Electrochemistry Communications, 2021, 124, 106960.	4.7	1
7	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
8	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
9	How to minimise destabilising effect of gas bubbles on water splitting electrocatalysts?. Current Opinion in Electrochemistry, 2021, 30, 100797.	4.8	24
10	Activity and Stability of Oxides During Oxygen Evolution Reactionâ€â€From Mechanistic Controversies Toward Relevant Electrocatalytic Descriptors. Frontiers in Energy Research, 2021, 8, .	2.3	45
11	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
12	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
13	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
14	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
15	Onlineâ€Bestimmung der elektrochemischen Kohlenstoffkorrosion in alkalischen Elektrolyten durch differentielle elektrochemische Massenspektrometrie. Angewandte Chemie, 2020, 132, 1601-1605.	2.0	13
16	Breaking scaling relations in electrocatalysis. Journal of Solid State Electrochemistry, 2020, 24, 2181-2182.	2.5	13
17	Recent Advances in Electrode Materials for Electrochemical CO2Reduction. ACS Symposium Series, 2020, , 49-91.	0.5	1
18	Stabilization of Cu⁺by tuning a CuOâ€“CeO₂interface for selective electrochemical CO₂reduction to ethylene. Green Chemistry, 2020, 22, 6540-6546.	9.0	98

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19	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
20	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
21	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
22	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
23	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
24	Coupling electrochemistry with a fluorescence reporting reaction enabled by bipolar electrochemistry. Journal of Electroanalytical Chemistry, 2020, 872, 113921.	3.8	12
25	Insights into the Formation, Chemical Stability, and Activity of Transient Ni_yP@NiOx Coreâ€“Shell Heterostructures for the Oxygen Evolution Reaction. ACS Applied Energy Materials, 2020, 3, 2304-2309.	5.1	20
26	Achieving Highly Selective Electrocatalytic CO₂ Reduction by Tuning CuO-Sb₂O₃ Nanocomposites. ACS Sustainable Chemistry and Engineering, 2020, 8, 4948-4954.	6.7	33
27	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
28	Role of Boron and Phosphorus in Enhanced Electrocatalytic Oxygen Evolution by Nickel Borides and Nickel Phosphides. ChemElectroChem, 2019, 6, 235-240.	3.4	62
29	Efficient Electrochemical Reduction of CO₂ by Niâ€“N Catalysts with Tunable Performance. ACS Sustainable Chemistry and Engineering, 2019, 7, 15030-15035.	6.7	40
30	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
31	A Combinatorial Approach for Optimization of Oxygen Evolution Catalyst Loading on Moâ€doped BiVO₄ Photoanodes. Electroanalysis, 2019, 31, 1500-1506.	2.9	3
32	Enhancing the water splitting performance of cryptomelane-type Î±-(K)MnO2. Journal of Catalysis, 2019, 374, 335-344.	6.2	27
33	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
34	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
35	Niâ€Metalloid (B, Si, P, As, and Te) Alloys as Water Oxidation Electrocatalysts. Advanced Energy Materials, 2019, 9, 1900796.	19.5	93
36	Sauerstoffevolutionselektrokatalyse eines einzelnen MOFâ€basierten Kompositnanopartikels an der Spitze einer Nanoelektrode. Angewandte Chemie, 2019, 131, 9021-9026.	2.0	17

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37	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
38	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
39	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
40	Synergistic catalysis of CuO/In₂O₃ composites for highly selective electrochemical CO₂ reduction to CO. Chemical Communications, 2019, 55, 12380-12383.	4.1	32
41	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
42	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
43	Cobalt metalloid and polybenzoxazine derived composites for bifunctional oxygen electrocatalysis. Electrochimica Acta, 2019, 297, 1042-1051.	5.2	13
44	MOFs for Electrocatalysis: From Serendipity to Design Strategies. Small Methods, 2019, 3, 1800415.	8.6	100
45	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
46	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
47	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
48	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
49	Ultrathin 2D Cobalt Zeoliteâ€Imidazole Framework Nanosheets for Electrocatalytic Oxygen Evolution. Advanced Science, 2018, 5, 1801029.	11.2	92
50	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
51	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
52	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
53	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
54	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

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55	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
56	Electrocatalytic Oxidation of 5â€(Hydroxymethyl)furfural Using Highâ€Surfaceâ€Area Nickel Boride. Angewandte Chemie - International Edition, 2018, 57, 11460-11464.	13.8	283
57	Elektrokatalytische Oxidation von 5â€(Hydroxymethyl)furfural an Nickelborid mit groÃŸer OberflÃche. Angewandte Chemie, 2018, 130, 11631-11636.	2.0	50
58	Co/Co-Fe Nanoparticles/N-Doped Carbon Composite as Bifunctional Electrocatalyst for Rechargeable Metal-Air Batteries. ECS Meeting Abstracts, 2018, , .	0.0	0
59	Enhancing the Activity and Stability of Manganese Oxide-Based Catalysts for the Electrochemical Oxygen Evolution Reaction. ECS Meeting Abstracts, 2018, , .	0.0	0
60	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
61	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
62	Ultrathin High Surface Area Nickel Boride (Ni_xB) Nanosheets as Highly Efficient Electrocatalyst for Oxygen Evolution. Advanced Energy Materials, 2017, 7, 1700381.	19.5	348
63	Polybenzoxazineâ€Derived Nâ€doped Carbon as Matrix for Powderâ€Based Electrocatalysts. ChemSusChem, 2017, 10, 2653-2659.	6.8	16
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	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
72	Fixierung von NiFeâ€Hydrotalkitâ€Pulverkatalysatoren fÃ¼r die postelektrolytische strukturelle Charakterisierung von Elektrokatalysatoren fÃ¼r die Sauerstoffevolution. Angewandte Chemie, 2017, 129, 11411-11416.	2.0	15

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73	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
74	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
75	Synergistic Effect of Cobalt and Iron in Layered Double Hydroxide Catalysts for the Oxygen Evolution Reaction. ChemSusChem, 2017, 10, 156-165.	6.8	117
76	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
77	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
78	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
79	Bifunktionale Sauerstoffelektroden durch Einbettung von Co@Co₃O₄â€Nanopartikeln in CNTâ€gekoppelte Stickstoffâ€dotierte Kohlenstoffpolyeder. Angewandte Chemie, 2016, 128, 4155-4160.	2.0	85
80	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
81	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
82	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
83	Perovskite-based bifunctional electrocatalysts for oxygen evolution and oxygen reduction in alkaline electrolytes. Electrochimica Acta, 2016, 208, 25-32.	5.2	73
84	Electrocatalysis and bioelectrocatalysis â€“ Distinction without a difference. Nano Energy, 2016, 29, 466-475.	16.0	53
85	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
86	Application of Scanning Electrochemical Microscopy (SECM) to Study Electrocatalysis of Oxygen Reduction by MN4-Macrocyclic Complexes. , 2016, , 103-141.		0
87	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
88	Low Overpotential Water Splitting Using Cobaltâ€“Cobalt Phosphide Nanoparticles Supported on Nickel Foam. ACS Energy Letters, 2016, 1, 1192-1198.	17.4	143
89	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
90	Pd deposited on functionalized carbon nanotubes for the electrooxidation of ethanol in alkaline media. Electrochemistry Communications, 2016, 63, 30-33.	4.7	23

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91	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
92	A Simple Approach towards Highâ€Performance Perovskiteâ€Based Bifunctional Oxygen Electrocatalysts. ChemElectroChem, 2016, 3, 138-143.	3.4	37
93	Nanoelectrodes reveal the electrochemistry of single nickelhydroxide nanoparticles. Chemical Communications, 2016, 52, 2408-2411.	4.1	59
94	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
95	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
96	Co₃O₄â€"MnO₂â€"CNT Hybrids Synthesized by HNO₃ Vapor Oxidation of Catalytically Grown CNTs as OER Electrocatalysts. ChemCatChem, 2015, 7, 3027-3035.	3.7	38
97	On the Role of Metals in Nitrogenâ€Doped Carbon Electrocatalysts for Oxygen Reduction. Angewandte Chemie - International Edition, 2015, 54, 10102-10120.	13.8	583
98	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
99	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
100	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
101	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
102	RÃ¼cktitelbild: Eine Stickstoff-dotierte Kohlenstoffmatrix mit eingeschlossenen MnxOy/NC- und CoxOy/NC-Nanopartikeln fÃ¼r leistungsfÃhige bifunktionale Sauerstoffelektroden (Angew. Chem.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5		
103	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
104	Mn_xO_y/NC and Co_xO_y/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
105	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
106	Koutecky-Levich analysis applied to nanoparticle modified rotating disk electrodes: Electrocatalysis or misinterpretation. Nano Research, 2014, 7, 71-78.	10.4	169
107	Techniques and methodologies in modern electrocatalysis: evaluation of activity, selectivity and stability of catalytic materials. Analyst, The, 2014, 139, 1274.	3.5	38
108	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

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109	Evaluation of Perovskites as Electrocatalysts for the Oxygen Evolution Reaction. ChemPhysChem, 2014, 15, 2810-2816.	2.1	70
110	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
111	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
112	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
113	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
114	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
115	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
116	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
117	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
118	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
119	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
120	Oxygen reduction reaction usingN₄-metallomacrocyclic catalysts: fundamentals on rational catalyst design. Journal of Porphyrins and Phthalocyanines, 2012, 16, 761-784.	0.8	132
121	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
122	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
123	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
124	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
125	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
126	Scanning Electrochemical Microscopy for Investigation of Multicomponent Bioelectrocatalytic Films. ECS Transactions, 2011, 35, 33-44.	0.5	8

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127	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
128	Carbon nanotubes modified with electrodeposited metal porphyrins and phenanthrolines for electrocatalytic applications. Electrochimica Acta, 2010, 55, 7597-7602.	5.2	35
129	Celebrating Wolfgang Schuhmann's 65th Birthday. ChemElectroChem, 0, , .	3.4	0