Yao Zheng

List of Publications by Year
in descending order

136 papers	40,013 citations	5569 82 h-index	9334 143 g-index
148 all docs	148 docs citations	148 times ranked	26239 citing authors

#	Article	IF	Citations
1	Natural DNA-derived highly-graphitic N, P, S-tridoped carbon nanosheets for multiple electrocatalytic applications. Chemical Engineering Journal, 2022, 429, 132102.	6.6	22
2	Natural DNA-assisted ultrafine FeP embedded in N, P-codoped carbons for efficient oxygen reduction, hydrogen evolution and rechargeable zinc-air battery. Carbon, 2022, 186, 171-179.	5.4	28
3	Local Environment Determined Reactant Adsorption Configuration for Enhanced Electrocatalytic Acetone Hydrogenation to Propane. Angewandte Chemie - International Edition, 2022, 61, .	7.2	26
4	C₃ production from CO₂ reduction by concerted *CO trimerization on a single-atom alloy catalyst. Journal of Materials Chemistry A, 2022, 10, 5998-6006.	5.2	25
5	Stabilizing Cu²⁺ Ions by Solid Solutions to Promote CO₂ Electroreduction to Methane. Journal of the American Chemical Society, 2022, 144, 2079-2084.	6.6	188
6	Mesoporous Coâ€"Oâ€"C nanosheets for electrochemical production of hydrogen peroxide in acidic medium. Journal of Materials Chemistry A, 2022, 10, 4068-4075.	5.2	26
7	Customizing the microenvironment of CO₂ electrocatalysis via threeâ€phase interface engineering. SmartMat, 2022, 3, 111-129.	6.4	27
8	An organic-inorganic hybrid strategy to fabricate highly dispersed Fe2C in porous N-Doped carbon for oxygen reduction reaction and rechargeable zinc-air battery. Carbon, 2022, 195, 123-130.	5.4	3
9	Metal-metal interactions in correlated single-atom catalysts. Science Advances, 2022, 8, eabo0762.	4.7	142
10	Controlling the Cation Exsolution of Perovskite to Customize Heterostructure Active Site for Oxygen Evolution Reaction. ACS Applied Materials & Interfaces, 2022, 14, 25638-25647.	4.0	26
11	Robust Ru-N metal-support interaction to promote self-powered H2 production assisted by hydrazine oxidation. Nano Energy, 2022, 100, 107467.	8.2	35
12	Boosting electrocatalytic CO2â€"toâ€"ethanol production via asymmetric Câ€"C coupling. Nature Communications, 2022, 13, .	5.8	158
13	Carbene Ligands Enabled Câ€"N Coupling for Methylamine Electrosynthesis: A Computational Study. Energy & Fuels, 2022, 36, 7213-7218.	2.5	4
14	Highly Selective Twoâ€Electron Electrocatalytic CO₂ Reduction on Singleâ€Atom Cu Catalysts. Small Structures, 2021, 2, 2000058.	6.9	93
15	Role of oxygen-bound reaction intermediates in selective electrochemical CO₂ reduction. Energy and Environmental Science, 2021, 14, 3912-3930.	15.6	74
16	Controlled synthesis of ultrasmall RuP2 particles on N,P-codoped carbon as superior pH-wide electrocatalyst for hydrogen evolution. Rare Metals, 2021, 40, 1040-1047.	3.6	59
17	Spatial-confinement induced electroreduction of CO and CO₂ to diols on densely-arrayed Cu nanopyramids. Chemical Science, 2021, 12, 8079-8087.	3.7	22
18	Electrocatalytic Refinery for Sustainable Production of Fuels and Chemicals. Angewandte Chemie, 2021, 133, 19724-19742.	1.6	30

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19	Electrocatalytic Refinery for Sustainable Production of Fuels and Chemicals. Angewandte Chemie - International Edition, 2021, 60, 19572-19590.	7.2	341
20	Short-Range Ordered Iridium Single Atoms Integrated into Cobalt Oxide Spinel Structure for Highly Efficient Electrocatalytic Water Oxidation. Journal of the American Chemical Society, 2021, 143, 5201-5211.	6.6	287
21	Molecular Scalpel to Chemically Cleave Metalâ€“Organic Frameworks for Induced Phase Transition. Journal of the American Chemical Society, 2021, 143, 6681-6690.	6.6	103
22	Efficient Nitrogen Fixation to Ammonia through Integration of Plasma Oxidation with Electrocatalytic Reduction. Angewandte Chemie - International Edition, 2021, 60, 14131-14137.	7.2	190
23	Tailoring Acidic Oxygen Reduction Selectivity on Single-Atom Catalysts via Modification of First and Second Coordination Spheres. Journal of the American Chemical Society, 2021, 143, 7819-7827.	6.6	463
24	Efficient Nitrogen Fixation to Ammonia through Integration of Plasma Oxidation with Electrocatalytic Reduction. Angewandte Chemie, 2021, 133, 14250-14256.	1.6	44
25	Mesoscale Diffusion Enhancement of Carbon-Bowl-Shaped Nanoreactor toward High-Performance Electrochemical H₂O₂ Production. ACS Applied Materials & Interfaces, 2021, 13, 39763-39771.	4.0	41
26	Nickel ferrocyanide as a high-performance urea oxidation electrocatalyst. Nature Energy, 2021, 6, 904-912.	19.8	305
27	Key to C₂ production: selective Câ€“C coupling for electrochemical CO₂ reduction on copper alloy surfaces. Chemical Communications, 2021, 57, 9526-9529.	2.2	20
28	Directing the selectivity of CO₂ electroreduction to target C₂ products <i>via</i> non-metal doping on Cu surfaces. Journal of Materials Chemistry A, 2021, 9, 6345-6351.	5.2	25
29	Recent Progress of 3d Transition Metal Singleâ€Atom Catalysts for Electrochemical CO₂ Reduction. Advanced Materials Interfaces, 2021, 8, 2001904.	1.9	40
30	Molecular Cleavage of Metalâ€Organic Frameworks and Application to Energy Storage and Conversion. Advanced Materials, 2021, 33, e2104341.	11.1	73
31	Isolated Boron Sites for Electroreduction of Dinitrogen to Ammonia. ACS Catalysis, 2020, 10, 1847-1854.	5.5	161
32	Molten Salt-Directed Catalytic Synthesis of 2D Layered Transition-Metal Nitrides for Efficient Hydrogen Evolution. CheM, 2020, 6, 2382-2394.	5.8	163
33	Graphene-encapsulated nickelâ€“copper bimetallic nanoparticle catalysts for electrochemical reduction of CO₂to CO. Chemical Communications, 2020, 56, 11275-11278.	2.2	23
34	Innentitelbild: Electrochemical Reduction of CO₂ to Ethane through Stabilization of an Ethoxy Intermediate (Angew. Chem. 44/2020). Angewandte Chemie, 2020, 132, 19530-19530.	1.6	0
35	Electrochemical Reduction of CO₂ to Ethane through Stabilization of an Ethoxy Intermediate. Angewandte Chemie, 2020, 132, 19817-19821.	1.6	33
36	A simple strategy for tridoped porous carbon nanosheet as superior electrocatalyst for bifunctional oxygen reduction and hydrogen evolution reactions. Carbon, 2020, 162, 586-594.	5.4	55

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37	Selectivity roadmap for electrochemical CO2 reduction on copper-based alloy catalysts. Nano Energy, 2020, 71, 104601.	8.2	116
38	Strategies for design of electrocatalysts for hydrogen evolution under alkaline conditions. Materials Today, 2020, 36, 125-138.	8.3	308
39	The Crucial Role of Charge Accumulation and Spin Polarization in Activating Carbonâ€Based Catalysts for Electrocatalytic Nitrogen Reduction. Angewandte Chemie, 2020, 132, 4555-4561.	1.6	8
40	The Crucial Role of Charge Accumulation and Spin Polarization in Activating Carbonâ€Based Catalysts for Electrocatalytic Nitrogen Reduction. Angewandte Chemie - International Edition, 2020, 59, 4525-4531.	7.2	149
41	Electrochemical Reduction of CO₂ to Ethane through Stabilization of an Ethoxy Intermediate. Angewandte Chemie - International Edition, 2020, 59, 19649-19653.	7.2	122
42	Tailoring Selectivity of Electrochemical Hydrogen Peroxide Generation by Tunable Pyrrolicâ€Nitrogenâ€Carbon. Advanced Energy Materials, 2020, 10, 2000789.	10.2	247
43	Electrochemical Nitrogen Reduction: Identification and Elimination of Contamination in Electrolyte. ACS Energy Letters, 2019, 4, 2111-2116.	8.8	167
44	Intermediate Modulation on Noble Metal Hybridized to 2D Metal-Organic Framework for Accelerated Water Electrocatalysis. CheM, 2019, 5, 2429-2441.	5.8	150
45	Synergistic catalysis between atomically dispersed Fe and a pyrrolic-N-C framework for CO₂ electroreduction. Nanoscale Horizons, 2019, 4, 1411-1415.	4.1	21
46	Anomalous hydrogen evolution behavior in high-pH environment induced by locally generated hydronium ions. Nature Communications, 2019, 10, 4876.	5.8	220
47	Regulating Electrocatalysts via Surface and Interface Engineering for Acidic Water Electrooxidation. ACS Energy Letters, 2019, 4, 2719-2730.	8.8	218
48	Selectivity Control for Electrochemical CO₂ Reduction by Charge Redistribution on the Surface of Copper Alloys. ACS Catalysis, 2019, 9, 9411-9417.	5.5	172
49	A computational study on Pt and Ru dimers supported on graphene for the hydrogen evolution reaction: new insight into the alkaline mechanism. Journal of Materials Chemistry A, 2019, 7, 3648-3654.	5.2	134
50	A 2D metalâ€“organic framework/Ni(OH)₂ heterostructure for an enhanced oxygen evolution reaction. Nanoscale, 2019, 11, 3599-3605.	2.8	131
51	Impact of Interfacial Electron Transfer on Electrochemical CO₂ Reduction on Graphitic Carbon Nitride/Doped Graphene. Small, 2019, 15, e1804224.	5.2	69
52	Building Up a Picture of the Electrocatalytic Nitrogen Reduction Activity of Transition Metal Single-Atom Catalysts. Journal of the American Chemical Society, 2019, 141, 9664-9672.	6.6	642
53	Nitrogen Vacancies on 2D Layered W₂N₃: A Stable and Efficient Active Site for Nitrogen Reduction Reaction. Advanced Materials, 2019, 31, e1902709.	11.1	387
54	Breaking the volcano-plot limits for Pt-based electrocatalysts by selective tuning adsorption of multiple intermediates. Journal of Materials Chemistry A, 2019, 7, 13635-13640.	5.2	24

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55	Understanding the Roadmap for Electrochemical Reduction of CO₂ to Multi-Carbon Oxygenates and Hydrocarbons on Copper-Based Catalysts. Journal of the American Chemical Society, 2019, 141, 7646-7659.	6.6	711
56	Engineering 2D Metalâ€“Organic Framework/MoS₂ Interface for Enhanced Alkaline Hydrogen Evolution. Small, 2019, 15, e1805511.	5.2	169
57	Co (II) Boron Imidazolate Framework with Rigid Auxiliary Linkers for Stable Electrocatalytic Oxygen Evolution Reaction. Advanced Science, 2019, 6, 1801920.	5.6	46
58	Syngas production from electrocatalytic CO₂ reduction with high energetic efficiency and current density. Journal of Materials Chemistry A, 2019, 7, 7675-7682.	5.2	62
59	Heteroatom-Doped Transition Metal Electrocatalysts for Hydrogen Evolution Reaction. ACS Energy Letters, 2019, 4, 805-810.	8.8	323
60	Transitionâ€Metalâ€Doped RuIr Bifunctional Nanocrystals for Overall Water Splitting in Acidic Environments. Advanced Materials, 2019, 31, e1900510.	11.1	449
61	Two-Dimensional Mosaic Bismuth Nanosheets for Highly Selective Ambient Electrocatalytic Nitrogen Reduction. ACS Catalysis, 2019, 9, 2902-2908.	5.5	467
62	Charge-Redistribution-Enhanced Nanocrystalline Ru@IrOx Electrocatalysts for Oxygen Evolution in Acidic Media. CheM, 2019, 5, 445-459.	5.8	354
63	Electronic and Structural Engineering of Carbonâ€Based Metalâ€Free Electrocatalysts for Water Splitting. Advanced Materials, 2019, 31, e1803625.	11.1	229
64	Polydopamineâ€Derived, In Situ Nâ€Doped 3D Mesoporous Carbons for Highly Efficient Oxygen Reduction. ChemNanoMat, 2018, 4, 417-422.	1.5	19
65	Die Wasserstoffentwicklungsreaktion in alkalischer LÃ¶sung: Von der Theorie und Einkristallmodellen zu praktischen Elektrokatalysatoren. Angewandte Chemie, 2018, 130, 7690-7702.	1.6	78
66	Strain Effect in Bimetallic Electrocatalysts in the Hydrogen Evolution Reaction. ACS Energy Letters, 2018, 3, 1198-1204.	8.8	183
67	NiO as a Bifunctional Promoter for RuO₂ toward Superior Overall Water Splitting. Small, 2018, 14, e1704073.	5.2	214
68	Metal-organic framework assisted synthesis of single-atom catalysts for energy applications. National Science Review, 2018, 5, 626-627.	4.6	57
69	Emerging Two-Dimensional Nanomaterials for Electrocatalysis. Chemical Reviews, 2018, 118, 6337-6408.	23.0	1,552
70	The Hydrogen Evolution Reaction in Alkaline Solution: From Theory, Single Crystal Models, to Practical Electrocatalysts. Angewandte Chemie - International Edition, 2018, 57, 7568-7579.	7.2	1,018
71	Free-standing single-crystalline NiFe-hydroxide nanoflake arrays: a self-activated and robust electrocatalyst for oxygen evolution. Chemical Communications, 2018, 54, 463-466.	2.2	107
72	Bronze alloys with tin surface sites for selective electrochemical reduction of CO₂. Chemical Communications, 2018, 54, 13965-13968.	2.2	43

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73	Single-Crystal Nitrogen-Rich Two-Dimensional Mo₅N₆ Nanosheets for Efficient and Stable Seawater Splitting. ACS Nano, 2018, 12, 12761-12769.	7.3	317
74	Constructing tunable dual active sites on two-dimensional C3N4@MoN hybrid for electrocatalytic hydrogen evolution. Nano Energy, 2018, 53, 690-697.	8.2	175
75	A boron imidazolate framework with mechanochromic and electrocatalytic properties. Materials Horizons, 2018, 5, 1151-1155.	6.4	44
76	Polydopamine-inspired nanomaterials for energy conversion and storage. Journal of Materials Chemistry A, 2018, 6, 21827-21846.	5.2	103
77	Charge State Manipulation of Cobalt Selenide Catalyst for Overall Seawater Electrolysis. Advanced Energy Materials, 2018, 8, 1801926.	10.2	264
78	Surface and Interface Engineering in Copper-Based Bimetallic Materials for Selective CO2 Electroreduction. CheM, 2018, 4, 1809-1831.	5.8	587
79	N-doping goes sp-hybridized. Nature Chemistry, 2018, 10, 900-902.	6.6	17
80	Self-Supported Earth-Abundant Nanoarrays as Efficient and Robust Electrocatalysts for Energy-Related Reactions. ACS Catalysis, 2018, 8, 6707-6732.	5.5	320
81	Molecule-Level g-C₃N₄ Coordinated Transition Metals as a New Class of Electrocatalysts for Oxygen Electrode Reactions. Journal of the American Chemical Society, 2017, 139, 3336-3339.	6.6	1,094
82	Surface and Interface Engineering of Noble-Metal-Free Electrocatalysts for Efficient Energy Conversion Processes. Accounts of Chemical Research, 2017, 50, 915-923.	7.6	824
83	Recent Advances in Atomic Metal Doping of Carbonâ€based Nanomaterials for Energy Conversion. Small, 2017, 13, 1700191.	5.2	290
84	Promotion of Electrocatalytic Hydrogen Evolution Reaction on Nitrogen-Doped Carbon Nanosheets with Secondary Heteroatoms. ACS Nano, 2017, 11, 7293-7300.	7.3	357
85	Direct Growth of Well-Aligned MOF Arrays onto Various Substrates. CheM, 2017, 2, 751-752.	5.8	24
86	Engineering Highâ€Energy Interfacial Structures for Highâ€Performance Oxygenâ€Involving Electrocatalysis. Angewandte Chemie - International Edition, 2017, 56, 8539-8543.	7.2	314
87	Engineering Highâ€Energy Interfacial Structures for Highâ€Performance Oxygenâ€Involving Electrocatalysis. Angewandte Chemie, 2017, 129, 8659-8663.	1.6	36
88	Polydopamineâ€Inspired, Dual Heteroatomâ€Doped Carbon Nanotubes for Highly Efficient Overall Water Splitting. Advanced Energy Materials, 2017, 7, 1602068.	10.2	319
89	Identification of pH-dependent synergy on Ru/MoS₂ interface: a comparison of alkaline and acidic hydrogen evolution. Nanoscale, 2017, 9, 16616-16621.	2.8	120
90	Carbon Solving Carbon's Problems: Recent Progress of Nanostructured Carbonâ€Based Catalysts for the Electrochemical Reduction of CO₂. Advanced Energy Materials, 2017, 7, 1700759.	10.2	327

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91	Activating cobalt(II) oxide nanorods for efficient electrocatalysis by strain engineering. Nature Communications, 2017, 8, 1509.	5.8	361
92	Molecular Scaffolding Strategy with Synergistic Active Centers To Facilitate Electrocatalytic CO₂ Reduction to Hydrocarbon/Alcohol. Journal of the American Chemical Society, 2017, 139, 18093-18100.	6.6	439
93	Significant Enhancement of Water Splitting Activity of Nâ€Carbon Electrocatalyst by Trace Level Co Doping. Small, 2016, 12, 3703-3711.	5.2	111
94	Pulsed laser deposition of porous N-carbon supported cobalt (oxide) thin films for highly efficient oxygen evolution. Chemical Communications, 2016, 52, 11947-11950.	2.2	27
95	Highly active nickelâ€"cobalt/nanocarbon thin films as efficient water splitting electrodes. Nanoscale, 2016, 8, 18507-18515.	2.8	56
96	High Electrocatalytic Hydrogen Evolution Activity of an Anomalous Ruthenium Catalyst. Journal of the American Chemical Society, 2016, 138, 16174-16181.	6.6	852
97	Activity origin and catalyst design principles forÂelectrocatalytic hydrogen evolution on heteroatom-dopedÂgraphene. Nature Energy, 2016, 1, .	19.8	927
98	Engineering surface atomic structure of single-crystal cobalt (II) oxide nanorods for superior electrocatalysis. Nature Communications, 2016, 7, 12876.	5.8	568
99	Determination of the Electron Transfer Number for the Oxygen Reduction Reaction: From Theory to Experiment. ACS Catalysis, 2016, 6, 4720-4728.	5.5	513
100	Graphene oxide-polydopamine derived N, S-codoped carbon nanosheets as superior bifunctional electrocatalysts for oxygen reduction and evolution. Nano Energy, 2016, 19, 373-381.	8.2	597
101	A nano-engineered graphene/carbon nitride hybrid for photocatalytic hydrogen evolution. Journal of Energy Chemistry, 2016, 25, 225-227.	7.1	12
102	Softâ€Templating Synthesis of <i>N</i>â€Doped Mesoporous Carbon Nanospheres for Enhanced Oxygen Reduction Reaction. Chemistry - an Asian Journal, 2015, 10, 1546-1553.	1.7	57
103	Engineering of Carbonâ€Based Electrocatalysts for Emerging Energy Conversion: From Fundamentality to Functionality. Advanced Materials, 2015, 27, 5372-5378.	11.1	246
104	Design of electrocatalysts for oxygen- and hydrogen-involving energy conversion reactions. Chemical Society Reviews, 2015, 44, 2060-2086.	18.7	4,323
105	Polydopamineâ€"graphene oxide derived mesoporous carbon nanosheets for enhanced oxygen reduction. Nanoscale, 2015, 7, 12598-12605.	2.8	104
106	Multifunctional Iron Oxide Nanoflake/Graphene Composites Derived from Mechanochemical Synthesis for Enhanced Lithium Storage and Electrocatalysis. ACS Applied Materials & Interfaces, 2015, 7, 14446-14455.	4.0	75
107	Ionic liquid-assisted synthesis of N/S-double doped graphene microwires for oxygen evolution and Znâ€"air batteries. Energy Storage Materials, 2015, 1, 17-24.	9.5	67
108	Advancing the Electrochemistry of the Hydrogenâ€Evolution Reaction through Combining Experiment and Theory. Angewandte Chemie - International Edition, 2015, 54, 52-65.	7.2	1,616

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109	A Threeâ€Component Nanocomposite with Synergistic Reactivity for Oxygen Reduction Reaction in Alkaline Solution. Advanced Energy Materials, 2015, 5, 1401186.	10.2	34
110	Electrocatalytically Switchable CO₂ Capture: First Principle Computational Exploration of Carbon Nanotubes with Pyridinic Nitrogen. ChemSusChem, 2014, 7, 435-441.	3.6	62
111	Origin of the Electrocatalytic Oxygen Reduction Activity of Graphene-Based Catalysts: A Roadmap to Achieve the Best Performance. Journal of the American Chemical Society, 2014, 136, 4394-4403.	6.6	946
112	Hydrogen evolution by a metal-free electrocatalyst. Nature Communications, 2014, 5, 3783.	5.8	1,851
113	Mesoporous MnCo₂O₄with abundant oxygen vacancy defects as high-performance oxygen reduction catalysts. Journal of Materials Chemistry A, 2014, 2, 8676-8682.	5.2	227
114	Observation of Active Sites for Oxygen Reduction Reaction on Nitrogen-Doped Multilayer Graphene. ACS Nano, 2014, 8, 6856-6862.	7.3	519
115	Toward Design of Synergistically Active Carbon-Based Catalysts for Electrocatalytic Hydrogen Evolution. ACS Nano, 2014, 8, 5290-5296.	7.3	947
116	Mesoporous hybrid material composed of Mn₃O₄nanoparticles on nitrogen-doped graphene for highly efficient oxygen reduction reaction. Chemical Communications, 2013, 49, 7705-7707.	2.2	241
117	Facile Fabrication of Coreâ€“Shellâ€Structured Ag@Carbon and Mesoporous Yolkâ€“Shellâ€Structured Ag@Carbon@Silica by an Extended StÃ¶ber Method. Chemistry - A European Journal, 2013, 19, 6942-6945.	1.7	122
118	Enhanced electrochemical catalytic activity by copper oxide grown on nitrogen-doped reduced graphene oxide. Journal of Materials Chemistry A, 2013, 1, 13179.	5.2	105
119	Twoâ€Step Boron and Nitrogen Doping in Graphene for Enhanced Synergistic Catalysis. Angewandte Chemie - International Edition, 2013, 52, 3110-3116.	7.2	863
120	Oxidation Stability of Nanographite Materials. Advanced Energy Materials, 2013, 3, 1176-1179.	10.2	22
121	Graphitic carbon nitride materials: controllable synthesis and applications in fuel cells and photocatalysis. Energy and Environmental Science, 2012, 5, 6717.	15.6	1,552
122	Nanostructured Metalâ€Free Electrochemical Catalysts for Highly Efficient Oxygen Reduction. Small, 2012, 8, 3550-3566.	5.2	559
123	Facile Oxygen Reduction on a Threeâ€Dimensionally Ordered Macroporous Graphitic C₃N₄/Carbon Composite Electrocatalyst. Angewandte Chemie - International Edition, 2012, 51, 3892-3896.	7.2	588
124	Study on oxygen activation and methane oxidation over La0.8Sr0.2MnO3 electrode in single-chamber solid oxide fuel cells via an electrochemical approach. International Journal of Hydrogen Energy, 2012, 37, 4328-4338.	3.8	4
125	Nanoporous Graphitic-C₃N₄@Carbon Metal-Free Electrocatalysts for Highly Efficient Oxygen Reduction. Journal of the American Chemical Society, 2011, 133, 20116-20119.	6.6	958
126	Assessment of nickel cermets and La0.8Sr0.2Sc0.2Mn0.8O3 as solid-oxide fuel cell anodes operating on carbon monoxide fuel. Journal of Power Sources, 2010, 195, 1333-1343.	4.0	43

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127	Well-crystallized mesoporous samaria-doped ceria from EDTA-citrate complexing process with in situ created NiO as recyclable template. Journal of Alloys and Compounds, 2010, 491, 271-277.	2.8	13
128	Cr doping effect in B-site of La0.75Sr0.25MnO3 on its phase stability and performance as an SOFC anode. Rare Metals, 2009, 28, 361-366.	3.6	18
129	A comparative study of La0.8Sr0.2MnO3 and La0.8Sr0.2Sc0.1Mn0.9O3 as cathode materials of single-chamber SOFCs operating on a methaneâ€"air mixture. Journal of Power Sources, 2009, 191, 225-232.	4.0	26
130	A new symmetric solid-oxide fuel cell with La0.8Sr0.2Sc0.2Mn0.8O3-Î´ perovskite oxide as both the anode and cathode. Acta Materialia, 2009, 57, 1165-1175.	3.8	158
131	Initialization of a methane-fueled single-chamber solid-oxide fuel cell with NiO+SDC anode and BSCF+SDC cathode. Journal of Power Sources, 2008, 179, 640-648.	4.0	35
132	Synthesis and assessment of La0.8Sr0.2ScyMn1â^'yO3â^'Î´ as cathodes for solid-oxide fuel cells on scandium-stabilized zirconia electrolyte. Journal of Power Sources, 2008, 183, 471-478.	4.0	44
133	Evaluation of Ba0.5Sr0.5Co0.8Fe0.2O3â^'Î´ as a potential cathode for an anode-supported proton-conducting solid-oxide fuel cell. Journal of Power Sources, 2008, 180, 15-22.	4.0	156
134	Characterization and optimization of La0.8Sr0.2Sc0.1Mn0.9O3â^'-based composite electrodes for intermediate-temperature solid-oxide fuel cells. Journal of Power Sources, 2008, 185, 641-648.	4.0	13
135	Activation and Deactivation Kinetics of Oxygen Reduction over a La0.8Sr0.2Sc0.1Mn0.9O3 Cathode. Journal of Physical Chemistry C, 2008, 112, 18690-18700.	1.5	15
136	Local Environment Determined Reactant Adsorption Configuration for Enhanced Electrocatalytic Acetone Hydrogenation to Propane. Angewandte Chemie, 0, , .	1.6	4