Yuyan Shao

List of Publications by Year
in descending order

154 papers	38,570 citations	4370 86 h-index	6979 154 g-index
158 all docs	158 docs citations	158 times ranked	33616 citing authors

#	Article	IF	Citations
1	Taâ€“TiOx nanoparticles as radical scavengers to improve the durability of Feâ€“Nâ€“C oxygen reduction catalysts. Nature Energy, 2022, 7, 281-289.	19.8	93
2	Oxygen Evolution Reaction in Alkaline Environment: Material Challenges and Solutions. Advanced Functional Materials, 2022, 32, .	7.8	209
3	An Electrochemical Hydrogen-Looping System for Low-Cost CO₂ Capture from Seawater. ACS Energy Letters, 2022, 7, 1947-1952.	8.8	17
4	(Invited) Atomically Dispersed M-N-C Catalysts for Oxygen Reduction Reactions: Understanding Degradation and Improving Durability. ECS Meeting Abstracts, 2022, MA2022-01, 630-630.	0.0	0
5	Lowâ€PGM and PGMâ€Free Catalysts for Proton Exchange Membrane Fuel Cells: Stability Challenges and Material Solutions. Advanced Materials, 2021, 33, e1908232.	11.1	201
6	Reversible ketone hydrogenation and dehydrogenation for aqueous organic redox flow batteries. Science, 2021, 372, 836-840.	6.0	135
7	Continuous Fly-Through High-Temperature Synthesis of Nanocatalysts. Nano Letters, 2021, 21, 4517-4523.	4.5	13
8	Advancing Electrolyte Solution Chemistry and Interfacial Electrochemistry of Divalent Metal Batteries. ChemElectroChem, 2021, 8, 3013-3029.	1.7	13
9	Tuning proton transfer and catalytic properties in triple junction nanostructured catalysts. Nano Energy, 2021, 86, 106046.	8.2	5
10	Role of Polysulfide Anions in Solid-Electrolyte Interphase Formation at the Lithium Metal Surface in Liâ€“S Batteries. Journal of Physical Chemistry Letters, 2021, 12, 9360-9367.	2.1	13
11	Electrocatalysts development for hydrogen oxidation reaction in alkaline media: From mechanism understanding to materials design. Chinese Journal of Catalysis, 2021, 42, 2094-2104.	6.9	15
12	Decomposition pathways and mitigation strategies for highly-stable hydroxyphenazine flow battery anolytes. Journal of Materials Chemistry A, 2021, 9, 21918-21928.	5.2	25
13	An Electrochemically Activated Nanofilm for Sustainable Mg Anode with Fast Charge Transfer Kinetics. Journal of the Electrochemical Society, 2021, 168, 120519.	1.3	2
14	(Invited) Catalysts for Low-Temperature Electrochemical Hydrogen Production and Hydrogenation Reactions. ECS Meeting Abstracts, 2021, MA2021-02, 1277-1277.	0.0	0
15	Reversible Electrochemical Interface of Mg Metal and Conventional Electrolyte Enabled by Intermediate Adsorption. ACS Energy Letters, 2020, 5, 200-206.	8.8	44
16	Machine Learning Coupled Multiâ€Scale Modeling for Redox Flow Batteries. Advanced Theory and Simulations, 2020, 3, 1900167.	1.3	21
17	Stabilizing Zinc Anode Reactions by Polyethylene Oxide Polymer in Mild Aqueous Electrolytes. Advanced Functional Materials, 2020, 30, 2003932.	7.8	210
18	Mapping Localized Peroxyl Radical Generation on a PEM Fuel Cell Catalyst Using Integrated Scanning Electrochemical Cell Microspectroscopy. Frontiers in Chemistry, 2020, 8, 572563.	1.8	5

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19	Performance enhancement and degradation mechanism identification of a single-atom Coâ€“Nâ€“C catalyst for proton exchange membrane fuel cells. Nature Catalysis, 2020, 3, 1044-1054.	16.1	443
20	A lithium-sulfur battery with a solution-mediated pathway operating under lean electrolyte conditions. Nano Energy, 2020, 76, 105041.	8.2	25
21	Design strategies for nonaqueous multivalent-ion and monovalent-ion battery anodes. Nature Reviews Materials, 2020, 5, 276-294.	23.3	284
22	Li_{<i>x</i>}NiO/Ni Heterostructure with Strong Basic Lattice Oxygen Enables Electrocatalytic Hydrogen Evolution with Pt-like Activity. Journal of the American Chemical Society, 2020, 142, 12613-12619.	6.6	103
23	Renewable Ammonia as an Energy Fuel for Ocean Exploration and Transportation. Marine Technology Society Journal, 2020, 54, 126-136.	0.3	5
24	Electrocatalytic Hydrogen Evolution in Neutral pH Solutions: Dual-Phase Synergy. ACS Catalysis, 2019, 9, 8712-8718.	5.5	103
25	Advancing Materials Electrochemistry for Chemical Transformation. Advanced Materials, 2019, 31, e1903622.	11.1	5
26	A Highly Reversible Zn Anode with Intrinsically Safe Organic Electrolyte for Longâ€Cycleâ€Life Batteries. Advanced Materials, 2019, 31, e1900668.	11.1	259
27	Ironâ€Free Cathode Catalysts for Protonâ€Exchangeâ€Membrane Fuel Cells: Cobalt Catalysts and the Peroxide Mitigation Approach. Advanced Materials, 2019, 31, e1805126.	11.1	208
28	Joint Charge Storage for Highâ€Rate Aqueous Zincâ€“Manganese Dioxide Batteries. Advanced Materials, 2019, 31, e1900567.	11.1	299
29	PGMâ€Free Cathode Catalysts for PEM Fuel Cells: A Miniâ€Review on Stability Challenges. Advanced Materials, 2019, 31, e1807615.	11.1	430
30	Stable Li Metal Anode with â€œIonâ€“Solvent-Coordinatedâ€•Nonflammable Electrolyte for Safe Li Metal Batteries. ACS Energy Letters, 2019, 4, 483-488.	8.8	148
31	Carbonâ€Based Metalâ€Free ORR Electrocatalysts for Fuel Cells: Past, Present, and Future. Advanced Materials, 2019, 31, e1804799.	11.1	649
32	Addressing Passivation in Lithiumâ€“Sulfur Battery Under Lean Electrolyte Condition. Advanced Functional Materials, 2018, 28, 1707234.	7.8	143
33	25Mg NMR and computational modeling studies of the solvation structures and molecular dynamics in magnesium based liquid electrolytes. Nano Energy, 2018, 46, 436-446.	8.2	37
34	Nitrogenâ€Coordinated Single Cobalt Atom Catalysts for Oxygen Reduction in Proton Exchange Membrane Fuel Cells. Advanced Materials, 2018, 30, 1706758.	11.1	788
35	Rationally-designed configuration of directly-coated Ni3S2/Ni electrode by RGO providing superior sodium storage. Carbon, 2018, 133, 14-22.	5.4	67
36	Waterâ€Lubricated Intercalation in V₂O₅Â·nH₂O for Highâ€Capacity and Highâ€Rate Aqueous Rechargeable Zinc Batteries. Advanced Materials, 2018, 30, 1703725.	11.1	1,084

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37	In-Situ S/TEM Probing of the Behavior of Nanoparticles Under Chemical and Electrochemical Reactions in the System Involving Solid, Liquid and Gas. Microscopy and Microanalysis, 2018, 24, 1876-1877.	0.2	4
38	Lean Electrolyte Batteries: Addressing Passivation in Lithiumâ€"Sulfur Battery Under Lean Electrolyte Condition (Adv. Funct. Mater. 38/2018). Advanced Functional Materials, 2018, 28, 1870275.	7.8	5
39	Multifunctional Pd-Sn electrocatalysts enabled by in situ formed SnOx and TiC triple junctions. Nano Energy, 2018, 53, 940-948.	8.2	33
40	Tailored Reaction Route by Micropore Confinement for Liâ€"S Batteries Operating under Lean Electrolyte Conditions. Advanced Energy Materials, 2018, 8, 1800590.	10.2	55
41	Minimizing Polysulfide Shuttle Effect in Lithium-Ion Sulfur Batteries by Anode Surface Passivation. ACS Applied Materials & Interfaces, 2018, 10, 21965-21972.	4.0	18
42	Electrocatalytic valorisation of biomass derived chemicals. Catalysis Science and Technology, 2018, 8, 3216-3232.	2.1	105
43	LiMnPO4Â·Li3V2(PO4)3 composite cathode material derived from Mn(VO3)2 nanosheet precursor. Journal of Alloys and Compounds, 2017, 695, 1813-1820.	2.8	4
44	Formation of Reversible Solid Electrolyte Interface on Graphite Surface from Concentrated Electrolytes. Nano Letters, 2017, 17, 1602-1609.	4.5	91
45	Manipulating Adsorptionâ€"Insertion Mechanisms in Nanostructured Carbon Materials for Highâ€Efficiency Sodium Ion Storage. Advanced Energy Materials, 2017, 7, 1700403.	10.2	662
46	Improving Lithiumâ€"Sulfur Battery Performance under Lean Electrolyte through Nanoscale Confinement in Soft Swellable Gels. Nano Letters, 2017, 17, 3061-3067.	4.5	122
47	Ammonium Additives to Dissolve Lithium Sulfide through Hydrogen Binding for High-Energy Lithiumâ€"Sulfur Batteries. ACS Applied Materials & Interfaces, 2017, 9, 4290-4295.	4.0	74
48	Controlling Solidâ€"Liquid Conversion Reactions for a Highly Reversible Aqueous Zincâ€"Iodine Battery. ACS Energy Letters, 2017, 2, 2674-2680.	8.8	207
49	Revealing the Dynamics of Platinum Nanoparticle Catalysts on Carbon in Oxygen and Water Using Environmental TEM. ACS Catalysis, 2017, 7, 7658-7664.	5.5	38
50	Non-encapsulation approach for high-performance Liâ€"S batteries through controlled nucleation and growth. Nature Energy, 2017, 2, 813-820.	19.8	326
51	3D printing technologies for electrochemical energy storage. Nano Energy, 2017, 40, 418-431.	8.2	351
52	Single Atomic Iron Catalysts for Oxygen Reduction in Acidic Media: Particle Size Control and Thermal Activation. Journal of the American Chemical Society, 2017, 139, 14143-14149.	6.6	1,215
53	Real-time Observation of Sintering Process of Carbon Supported Platinum Nanoparticles in Oxygen and Water through Environment TEM. Microscopy and Microanalysis, 2017, 23, 2048-2049.	0.2	0
54	Enhancement in kinetics of the oxygen reduction on a silver catalyst by introduction of interlaces and defect-rich facets. Journal of Materials Chemistry A, 2017, 5, 15390-15394.	5.2	21

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55	Nitrogenâ€“doped graphitized carbon shell encapsulated NiFe nanoparticles: A highly durable oxygen evolution catalyst. Nano Energy, 2017, 39, 245-252.	8.2	143
56	Engineering nanostructures of PGM-free oxygen-reduction catalysts using metal-organic frameworks. Nano Energy, 2017, 31, 331-350.	8.2	317
57	Molecular Storage of Mg Ions with Vanadium Oxide Nanoclusters. Advanced Functional Materials, 2016, 26, 3446-3453.	7.8	65
58	Restricting the Solubility of Polysulfides in Liâ€S Batteries Via Electrolyte Salt Selection. Advanced Energy Materials, 2016, 6, 1600160.	10.2	66
59	Atomistic Conversion Reaction Mechanism of WO₃ in Secondary Ion Batteries of Li, Na, and Ca. Angewandte Chemie - International Edition, 2016, 55, 6244-6247.	7.2	86
60	Advanced catalyst supports for PEM fuel cell cathodes. Nano Energy, 2016, 29, 314-322.	8.2	146
61	Role of Manganese Deposition on Graphite in the Capacity Fading of Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 14244-14251.	4.0	71
62	Prelude: The renaissance of electrocatalysis. Nano Energy, 2016, 29, 1-3.	8.2	21
63	Electrochemical study of highly durable cathode with Pt supported on ITO-CNT composite for proton exchange membrane fuel cells. Journal of Industrial and Engineering Chemistry, 2016, 42, 81-86.	2.9	6
64	Sparingly Solvating Electrolytes for High Energy Density Lithiumâ€“Sulfur Batteries. ACS Energy Letters, 2016, 1, 503-509.	8.8	190
65	Reversible aqueous zinc/manganese oxide energy storage from conversion reactions. Nature Energy, 2016, 1, .	19.8	2,186
66	Atomistic Conversion Reaction Mechanism of WO₃ in Secondary Ion Batteries of Li, Na, and Ca. Angewandte Chemie, 2016, 128, 6352-6355.	1.6	21
67	Electrocatalysts by atomic layer deposition for fuel cell applications. Nano Energy, 2016, 29, 220-242.	8.2	79
68	Hard carbon nanoparticles as high-capacity, high-stability anodic materials for Na-ion batteries. Nano Energy, 2016, 19, 279-288.	8.2	341
69	Interface Promoted Reversible Mg Insertion in Nanostructured Tinâ€“Antimony Alloys. Advanced Materials, 2015, 27, 6598-6605.	11.1	88
70	Molecular-confinement of polysulfides within mesoscale electrodes for the practical application of lithium sulfur batteries. Nano Energy, 2015, 13, 267-274.	8.2	50
71	A fundamental study on the [(Î¼-Cl)₃Mg₂(THF)₆]⁺ dimer electrolytes for rechargeable Mg batteries. Chemical Communications, 2015, 51, 2312-2315.	2.2	53
72	Nanocomposite polymer electrolyte for rechargeable magnesium batteries. Nano Energy, 2015, 12, 750-759.	8.2	121

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73	Realizing the Full Potential of Insertion Anodes for Mg-Ion Batteries Through the Nanostructuring of Sn. Nano Letters, 2015, 15, 1177-1182.	4.5	87
74	High performance Li-ion sulfur batteries enabled by intercalation chemistry. Chemical Communications, 2015, 51, 13454-13457.	2.2	55
75	On the Way Toward Understanding Solution Chemistry of Lithium Polysulfides for High Energy Liâ€“S Redox Flow Batteries. Advanced Energy Materials, 2015, 5, 1500113.	10.2	142
76	Highly active electrolytes for rechargeable Mg batteries based on a [Mg₂(Î¼-Cl)₂]²⁺ cation complex in dimethoxyethane. Physical Chemistry Chemical Physics, 2015, 17, 13307-13314.	1.3	126
77	Nanostructured Electrocatalysts for PEM Fuel Cells and Redox Flow Batteries: A Selected Review. ACS Catalysis, 2015, 5, 7288-7298.	5.5	78
78	Failure Mechanism for Fastâ€Charged Lithium Metal Batteries with Liquid Electrolytes. Advanced Energy Materials, 2015, 5, 1400993.	10.2	540
79	Pt/Tin Oxide/Carbon Nanocomposites as Promising Oxygen Reduction Electrocatalyst with Improved Stability and Activity. Electrochimica Acta, 2014, 117, 413-419.	2.6	44
80	A facile approach using MgCl2 to formulate high performance Mg2+ electrolytes for rechargeable Mg batteries. Journal of Materials Chemistry A, 2014, 2, 3430.	5.2	197
81	Effects of Cesium Cations in Lithium Deposition via Self-Healing Electrostatic Shield Mechanism. Journal of Physical Chemistry C, 2014, 118, 4043-4049.	1.5	117
82	Manipulating surface reactions in lithiumâ€“sulphur batteries using hybrid anode structures. Nature Communications, 2014, 5, 3015.	5.8	290
83	TEM study of fivefold twined gold nanocrystal formation mechanism. Materials Letters, 2014, 116, 299-303.	1.3	19
84	Controlling SEI Formation on SnSbâ€Porous Carbon Nanofibers for Improved Na Ion Storage. Advanced Materials, 2014, 26, 2901-2908.	11.1	441
85	High performance batteries based on hybrid magnesium and lithium chemistry. Chemical Communications, 2014, 50, 9644-9646.	2.2	153
86	Facile Synthesis of <i>Chevrel</i> Phase Nanocubes and Their Applications for Multivalent Energy Storage. Chemistry of Materials, 2014, 26, 4904-4907.	3.2	73
87	Electrochemically stable cathode current collectors for rechargeable magnesium batteries. Journal of Materials Chemistry A, 2014, 2, 2473-2477.	5.2	77
88	Highly Reversible Mg Insertion in Nanostructured Bi for Mg Ion Batteries. Nano Letters, 2014, 14, 255-260.	4.5	257
89	Making Liâ€Air Batteries Rechargeable: Material Challenges. Advanced Functional Materials, 2013, 23, 987-1004.	7.8	477
90	Materials Science and Materials Chemistry for Large Scale Electrochemical Energy Storage: From Transportation to Electrical Grid. Advanced Functional Materials, 2013, 23, 929-946.	7.8	590

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91	Surface-Driven Sodium Ion Energy Storage in Nanocellular Carbon Foams. Nano Letters, 2013, 13, 3909-3914.	4.5	245
92	Probing the Failure Mechanism of SnO₂ Nanowires for Sodium-Ion Batteries. Nano Letters, 2013, 13, 5203-5211.	4.5	270
93	Hierarchically structured materials for lithium batteries. Nanotechnology, 2013, 24, 424004.	1.3	30
94	Recent progress in nanostructured electrocatalysts for PEM fuel cells. Journal of Materials Chemistry A, 2013, 1, 4631.	5.2	172
95	Dendrite-Free Lithium Deposition via Self-Healing Electrostatic Shield Mechanism. Journal of the American Chemical Society, 2013, 135, 4450-4456.	6.6	1,736
96	Bismuth Nanoparticle Decorating Graphite Felt as a High-Performance Electrode for an All-Vanadium Redox Flow Battery. Nano Letters, 2013, 13, 1330-1335.	4.5	392
97	Coordination Chemistry in magnesium battery electrolytes: how ligands affect their performance. Scientific Reports, 2013, 3, 3130.	1.6	157
98	Oxygen electrocatalysts for water electrolyzers and reversible fuel cells: status and perspective. Energy and Environmental Science, 2012, 5, 9331.	15.6	489
99	Nanostructured carbon for energy storage and conversion. Nano Energy, 2012, 1, 195-220.	8.2	895
100	H+ diffusion and electrochemical stability of Li1+x+yAlxTi2âˆ’xSiyP3âˆ’yO12 glass in aqueous Li/air battery electrolytes. Journal of Power Sources, 2012, 214, 292-297.	4.0	27
101	A new hybrid redox flow battery with multiple redox couples. Journal of Power Sources, 2012, 216, 99-103.	4.0	32
102	Electrocatalysts for Nonaqueous Lithiumâ€œAir Batteries: Status, Challenges, and Perspective. ACS Catalysis, 2012, 2, 844-857.	5.5	443
103	Non-kinetic losses caused by electrochemical carbon corrosion in PEM fuel cells. International Journal of Hydrogen Energy, 2012, 37, 8451-8458.	3.8	30
104	Degradation of the Ionic Pathway in a PEM Fuel Cell Cathode. Journal of Physical Chemistry C, 2011, 115, 22633-22639.	1.5	36
105	Stabilization of Electrocatalytic Metal Nanoparticles at Metalâˆ’Metal Oxideâˆ’Graphene Triple Junction Points. Journal of the American Chemical Society, 2011, 133, 2541-2547.	6.6	391
106	Functionalized Graphene Oxide as a Nanocarrier in a Multienzyme Labeling Amplification Strategy for Ultrasensitive Electrochemical Immunoassay of Phosphorylated p53 (S392). Analytical Chemistry, 2011, 83, 746-752.	3.2	305
107	Polyelectrolyte-Induced Reduction of Exfoliated Graphite Oxide: A Facile Route to Synthesis of Soluble Graphene Nanosheets. ACS Nano, 2011, 5, 1785-1791.	7.3	293
108	Graphene-based electrochemical energy conversion and storage: fuel cells, supercapacitors and lithium ion batteries. Physical Chemistry Chemical Physics, 2011, 13, 15384.	1.3	488

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109	Grapheneâ€“Polypyrrole Nanocomposite as a Highly Efficient and Low Cost Electrically Switched Ion Exchanger for Removing ClO₄^{â€“} from Wastewater. ACS Applied Materials & Interfaces, 2011, 3, 3633-3637.	4.0	109
110	Graphene Decorated with PtAu Alloy Nanoparticles: Facile Synthesis and Promising Application for Formic Acid Oxidation. Chemistry of Materials, 2011, 23, 1079-1081.	3.2	366
111	Polarization Losses under Accelerated Stress Test Using Multiwalled Carbon Nanotube Supported Pt Catalyst in PEM Fuel Cells. Journal of the Electrochemical Society, 2011, 158, B297.	1.3	33
112	Self assembly of acetylcholinesterase on a gold nanoparticlesâ€“graphene nanosheet hybrid for organophosphate pesticide detection using polyelectrolyte as a linker. Journal of Materials Chemistry, 2011, 21, 5319.	6.7	219
113	In situ ion exchange preparation of Pt/carbon nanotubes electrode: Effect of two-step oxidation of carbon nanotubes. Journal of Power Sources, 2011, 196, 9955-9960.	4.0	11
114	Self-assembly of Pt nanoparticles on highly graphitized carbon nanotubes as an excellent oxygen-reduction catalyst. Applied Catalysis B: Environmental, 2011, 102, 372-377.	10.8	104
115	Design of graphene sheets-supported Pt catalyst layer in PEM fuel cells. Electrochemistry Communications, 2011, 13, 258-261.	2.3	135
116	Nitrogen-doped graphene and its electrochemical applications. Journal of Materials Chemistry, 2010, 20, 7491.	6.7	1,040
117	Nitrogen-Doped Graphene and Its Application in Electrochemical Biosensing. ACS Nano, 2010, 4, 1790-1798.	7.3	1,977
118	Low-cost and durable catalyst support for fuel cells: Graphite submicronparticles. Journal of Power Sources, 2010, 195, 457-460.	4.0	49
119	Facile synthesis of PtAu alloy nanoparticles with high activity for formic acid oxidation. Journal of Power Sources, 2010, 195, 1103-1106.	4.0	133
120	Nitrogen-doped mesoporous carbon for energy storage in vanadium redox flow batteries. Journal of Power Sources, 2010, 195, 4375-4379.	4.0	306
121	High electrochemical activity of Pt/C cathode modified with NH4HCO3 for direct methanol fuel cell. Journal of Solid State Electrochemistry, 2010, 14, 633-636.	1.2	6
122	Graphene Based Electrochemical Sensors and Biosensors: A Review. Electroanalysis, 2010, 22, 1027-1036.	1.5	2,779
123	Electrostatic Selfâ€Assembly of a Ptâ€aroundâ€Au Nanocomposite with High Activity towards Formic Acid Oxidation. Angewandte Chemie - International Edition, 2010, 49, 2211-2214.	7.2	295
124	Noncovalently functionalized graphitic mesoporous carbon as a stable support of Pt nanoparticles for oxygen reduction. Journal of Power Sources, 2010, 195, 1805-1811.	4.0	78
125	Highly durable graphene nanoplatelets supported Pt nanocatalysts for oxygen reduction. Journal of Power Sources, 2010, 195, 4600-4605.	4.0	378
126	Constraint of DNA on Functionalized Graphene Improves its Biostability and Specificity. Small, 2010, 6, 1205-1209.	5.2	342

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127	Carbon nanotubes decorated with Pt nanoparticles via electrostatic self-assembly: a highly active oxygen reduction electrocatalyst. Journal of Materials Chemistry, 2010, 20, 2826.	6.7	153
128	Facile and controllable electrochemical reduction of graphene oxide and its applications. Journal of Materials Chemistry, 2010, 20, 743-748.	6.7	787
129	The Durability Dependence of Pt/CNT Electrocatalysts on the Nanostructures of Carbon Nanotubes: Hollow- and Bamboo-CNTs. Journal of Nanoscience and Nanotechnology, 2009, 9, 5811-5815.	0.9	13
130	Enhanced activity and stability of Pt catalysts on functionalized graphene sheets for electrocatalytic oxygen reduction. Electrochemistry Communications, 2009, 11, 954-957.	2.3	615
131	The corrosion of PEM fuel cell catalyst supports and its implications for developing durable catalysts. Electrochimica Acta, 2009, 54, 3109-3114.	2.6	100
132	Durability studies on performance degradation of Pt/C catalysts of proton exchange membrane fuel cell. International Journal of Hydrogen Energy, 2009, 34, 4387-4394.	3.8	96
133	Layer-by-layer assembled hybrid film of carbon nanotubes/iron oxide nanocrystals for reagentless electrochemical detection of H2O2. Sensors and Actuators B: Chemical, 2009, 138, 182-188.	4.0	39
134	Electrochemical investigation of polyhalide ion oxidationâ€“reduction on carbon nanotube electrodes for redox flow batteries. Electrochemistry Communications, 2009, 11, 2064-2067.	2.3	36
135	Stabilization of platinum nanoparticle electrocatalysts for oxygen reduction using poly(diallyldimethylammonium chloride). Journal of Materials Chemistry, 2009, 19, 7995.	6.7	87
136	Novel catalyst support materials for PEMfuelcells: current status and future prospects. Journal of Materials Chemistry, 2009, 19, 46-59.	6.7	618
137	Pt/Carbon Nanofiber Nanocomposites as Electrocatalysts for Direct Methanol Fuel Cells: Prominent Effects of Carbon Nanofiber Nanostructures. Journal of Nanoscience and Nanotechnology, 2009, 9, 2316-2323.	0.9	11
138	The influence of the electrochemical stressing (potential step and potential-static holding) on the degradation of polymer electrolyte membrane fuel cell electrocatalysts. Journal of Power Sources, 2008, 185, 280-286.	4.0	67
139	Electrochemical durability investigation of single-walled and multi-walled carbon nanotubes under potentiostatic conditions. Journal of Power Sources, 2008, 176, 128-131.	4.0	46
140	Durability studies of unsupported Pt cathodic catalyst with working time of direct methanol fuel cells. Journal of Power Sources, 2008, 185, 1066-1072.	4.0	14
141	Nitrogen-doped carbon nanostructures and their composites as catalytic materials for proton exchange membrane fuel cell. Applied Catalysis B: Environmental, 2008, 79, 89-99.	10.8	710
142	Investigation of Further Improvement of Platinum Catalyst Durability with Highly Graphitized Carbon Nanotubes Support. Journal of Physical Chemistry C, 2008, 112, 5784-5789.	1.5	130
143	Fast test for the durability of PEM fuel cell catalysts. ECS Transactions, 2008, 16, 361-366.	0.3	3
144	Platinum Deposition on Multiwalled Carbon Nanotubes by Ion-Exchange Method as Electrocatalysts for Oxygen Reduction. Journal of the Electrochemical Society, 2007, 154, B687.	1.3	30

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145	Electrochemical impedance studies on carbon supported PtRuNi and PtRu anode catalysts in acid medium for direct methanol fuel cell. Journal of Power Sources, 2007, 165, 9-15.	4.0	127
146	Proton exchange membrane fuel cell from low temperature to high temperature: Material challenges. Journal of Power Sources, 2007, 167, 235-242.	4.0	482
147	Effect of carbon black support corrosion on the durability of Pt/C catalyst. Journal of Power Sources, 2007, 171, 331-339.	4.0	383
148	Understanding and approaches for the durability issues of Pt-based catalysts for PEM fuel cell. Journal of Power Sources, 2007, 171, 558-566.	4.0	1,037
149	Permeabilities of methanol, ethanol and dimethyl ether in new composite membranes: A comparison with Nafion membranes. Journal of Membrane Science, 2007, 289, 51-57.	4.1	29
150	Durability Study of Ptâ^•C and Ptâ^•CNTs Catalysts under Simulated PEM Fuel Cell Conditions. Journal of the Electrochemical Society, 2006, 153, A1093.	1.3	384
151	Comparative investigation of the resistance to electrochemical oxidation of carbon black and carbon nanotubes in aqueous sulfuric acid solution. Electrochimica Acta, 2006, 51, 5853-5857.	2.6	294
152	Multi-walled carbon nanotubes based Pt electrodes prepared with in situ ion exchange method for oxygen reduction. Journal of Power Sources, 2006, 161, 47-53.	4.0	114
153	Effects of MEA preparation on the performance of a direct methanol fuel cell. Journal of Power Sources, 2006, 160, 1035-1040.	4.0	51
154	In Situ Deposition of Highly Dispersed Pt Nanoparticles on Carbon Black Electrode for Oxygen Reduction. Journal of the Electrochemical Society, 2006, 153, A1261.	1.3	28