Jaeyoung Lee

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46
h-index
6.31
L-index

#	Paper	IF	Citations
232	Investigation on removal of hardness ions by capacitive deionization (CDI) for water softening applications. <i>Water Research</i> , 2010 , 44, 2267-75	12.5	277
231	Importance of Aglu Biphasic Boundaries for Selective Electrochemical Reduction of CO2 to Ethanol. <i>ACS Catalysis</i> , 2017 , 7, 8594-8604	13.1	192
230	Electrocatalytic Production of C3-C4 Compounds by Conversion of CO2 on a Chloride-Induced Bi-Phasic Cu2O-Cu Catalyst. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 14701-5	16.4	185
229	A structured Co B catalyst for hydrogen extraction from NaBH4 solution. <i>Catalysis Today</i> , 2007 , 120, 305-310	5.3	181
228	Graphene supported electrocatalysts for methanol oxidation. <i>Electrochemistry Communications</i> , 2010 , 12, 129-131	5.1	178
227	Insights into an autonomously formed oxygen-evacuated Cu2O electrode for the selective production of C2H4 from CO2. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 824-30	3.6	150
226	Oxygen electrocatalysis in chemical energy conversion and storage technologies. <i>Current Applied Physics</i> , 2013 , 13, 309-321	2.6	148
225	Understanding underlying processes in formic acid fuel cells. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 9326-36	3.6	143
224	Nanoparticle-enhanced surface plasmon resonance detection of proteins at attomolar concentrations: comparing different nanoparticle shapes and sizes. <i>Analytical Chemistry</i> , 2012 , 84, 1702	- 7 .8	134
223	Anodization of nanoimprinted titanium: a comparison with formation of porous alumina. <i>Electrochimica Acta</i> , 2004 , 49, 2645-2652	6.7	130
222	Influence of bi modification of pt anode catalyst in direct formic acid fuel cells. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 7270-4	3.4	116
221	On the Origin of Electrocatalytic Oxygen Reduction Reaction on Electrospun Nitrogen Carbon Species. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 11619-11624	3.8	108
220	Fuel crossover in direct formic acid fuel cells. <i>Journal of Power Sources</i> , 2007 , 168, 119-125	8.9	108
219	Alkaline CO2 Electrolysis toward Selective and Continuous HCOOIProduction over SnO2 Nanocatalysts. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 4884-4890	3.8	106
218	Designing a Highly Active Metal-Free Oxygen Reduction Catalyst in Membrane Electrode Assemblies for Alkaline Fuel Cells: Effects of Pore Size and Doping-Site Position. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 9230-4	16.4	105
217	Direct formic acid fuel cell portable power system for the operation of a laptop computer. <i>Journal of Power Sources</i> , 2006 , 162, 532-540	8.9	105
216	Electrocatalytic Production of C3-C4 Compounds by Conversion of CO2 on a Chloride-Induced Bi-Phasic Cu2O-Cu Catalyst. <i>Angewandte Chemie</i> , 2015 , 127, 14914-14918	3.6	101

Electrocatalytic activity of Cu electrode in electroreduction of CO2. Electrochimica Acta, 2001, 46, 3015-3022 101 215 A stable and cost-effective anode catalyst structure for formic acid fuel cells. Angewandte Chemie -98 214 16.4 *International Edition*, **2008**, 47, 10163-6 Bifunctional silver nanoparticle cathode in microbial fuel cells for microbial growth inhibition with 213 comparable oxygen reduction reaction activity. Environmental Science & amp; Technology, **2011**, 45, 5441- $^{10.3}_{6}$ 94 Development of nanophase CeO2-Pt/C cathode catalyst for direct methanol fuel cell. Journal of 8.9 212 93 Power Sources, 2005, 140, 59-65 Electrocatalytic reduction of CO2 gas at Sn based gas diffusion electrode. Current Applied Physics, 2.6 211 91 **2011**. 11. 986-988 Activity of Pt anode catalyst modified by underpotential deposited Pb in a direct formic acid fuel 210 5.1 90 cell. Electrochemistry Communications, 2007, 9, 2027-2031 Ultrafast and stable hydrogen generation from sodium borohydride in methanol and water over 8.9 89 209 FeB nanoparticles. Journal of Power Sources, 2013, 243, 444-450 On the consequences of methanol crossover in passive air-breathing direct methanol fuel cells. 208 8.9 82 Journal of Power Sources, 2005, 142, 50-55 Tuning the crystallinity of thermoelectric Bi(2)Te(3) nanowire arrays grown by pulsed 80 207 3.4 electrodeposition. Nanotechnology, 2008, 19, 365701 Electrochemical oscillations in the methanol oxidation on Pt. Electrochimica Acta, 2002, 47, 2297-2301 206 79 Sustainable production of formic acid by electrolytic reduction of gaseous carbon dioxide. Journal 205 13 78 of Materials Chemistry A, 2015, 3, 3029-3034 Ultra-sensitive detection of IgE using biofunctionalized nanoparticle-enhanced SPR. Talanta, 2010, 6.2 78 204 81, 1755-9 Characterization of direct formic acid fuel cells by Impedance Studies: In comparison of direct 8.9 67 203 methanol fuel cells. Journal of Power Sources, 2008, 178, 34-43 Cobalt oxide preparation from waste LiCoO2 by electrochemicalBydrothermal method. Journal of 8.9 65 202 Power Sources, 2002, 112, 639-642 Electrode Build-Up of Reducible Metal Composites toward Achievable Electrochemical Conversion 8.3 63 201 of Carbon Dioxide. ChemSusChem, 2016, 9, 333-44 Hydrogen generation system using sodium borohydride for operation of a 400W-scale polymer 8.9 62 200 electrolyte fuel cell stack. Journal of Power Sources, 2007, 170, 412-418 Formic Acid from Carbon Dioxide on Nanolayered Electrocatalyst. Electrocatalysis, 2010, 1, 108-115 58 199 2.7 198 Electrodeposition of PbO2 onto Au and Ti substrates. Electrochemistry Communications, 2000, 2, 646-652.1 58

197	Electrocatalytic recycling of CO2 and small organic molecules. Chemistry - an Asian Journal, 2009, 4, 151	64253	56
196	Preparation of cost-effective Ptto electrodes by pulse electrodeposition for PEMFC electrocatalysts. <i>Electrochimica Acta</i> , 2011 , 56, 3036-3041	6.7	55
195	Influence of Au contents of AuPt anode catalyst on the performance of direct formic acid fuel cell. <i>Electrochimica Acta</i> , 2008 , 53, 3474-3478	6.7	53
194	On the origin of oscillations in the electrocatalytic oxidation of HCOOH on a Pt electrode modified by Bi deposition. <i>Electrochimica Acta</i> , 2001 , 47, 501-508	6.7	53
193	Durable power performance of a direct ash-free coal fuel cell. <i>Electrochimica Acta</i> , 2014 , 115, 511-517	6.7	52
192	Cu(2)O nanowires in an alumina template: electrochemical conditions for the synthesis and photoluminescence characteristics. <i>ChemPhysChem</i> , 2006 , 7, 1505-9	3.2	52
191	Clean hydrogen production from methanol water solutions via power-saved electrolytic reforming process. <i>Journal of Power Sources</i> , 2012 , 198, 218-222	8.9	51
190	Operational characteristics of a 50W DMFC stack. <i>Journal of Power Sources</i> , 2006 , 155, 203-212	8.9	51
189	Functionalized graphene-based cathode for highly reversible lithium-sulfur batteries. <i>ChemSusChem</i> , 2014 , 7, 1265-73	8.3	46
188	A facile route for preparation of non-noble CNF cathode catalysts in alkaline ethanol fuel cells. <i>Electrochimica Acta</i> , 2011 , 56, 9186-9190	6.7	46
187	Electrodeposition of ZnO on ITO Electrode by Potential Modulation Method. <i>Electrochemical and Solid-State Letters</i> , 2001 , 4, C63		46
186	Enhanced electrocatalysis of PtRu onto graphene separated by Vulcan carbon spacer. <i>Journal of Power Sources</i> , 2013 , 222, 261-266	8.9	45
185	Electrodeposition of Cu[sub 2]O Nanowires Using Nanoporous Alumina Template. <i>Electrochemical and Solid-State Letters</i> , 2004 , 7, C27		45
184	Alkaline Ammonia Electrolysis on Electrodeposited Platinum for Controllable Hydrogen Production. <i>ChemSusChem</i> , 2016 , 9, 403-8	8.3	44
183	Nitrogen-Deficient ORR Active Sites Formation by Iron-Assisted Water Vapor Activation of Electrospun Carbon Nanofibers. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 7705-7714	3.8	43
182	Influence of underpotentially deposited Sb onto Pt anode surface on the performance of direct formic acid fuel cells. <i>Electrochimica Acta</i> , 2008 , 53, 6089-6092	6.7	42
181	Electrocatalytic activity of Ni nanowires prepared by galvanic electrodeposition for hydrogen evolution reaction. <i>Catalysis Today</i> , 2009 , 146, 188-191	5.3	40
180	Highly effective anode structure in a direct formic acid fuel cell. <i>Electrochimica Acta</i> , 2008 , 53, 5162-516	5 % .7	39

179	Carbon dioxide reforming of methane over mesoporous Ni/SiO2. Fuel, 2013, 112, 111-116	7.1	38
178	Recycling of sodium metaborate to borax. <i>International Journal of Hydrogen Energy</i> , 2007 , 32, 2982-29	87 6. ₇	38
177	The influence of a fibrous carbon envelope on the formation of CoFe nanoparticles for durable electrocatalytic oxygen evolution. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 13807-13	3.6	37
176	Spatio-temporal interfacial potential patterns during the electrocatalyzed oxidation of formic acid on Bi-modified Pt. <i>Journal of Chemical Physics</i> , 2001 , 115, 1485-1492	3.9	37
175	Microstructural surface changes of electrodeposited Pb on gas diffusion electrode during electroreduction of gas-phase CO2. <i>Surface and Interface Analysis</i> , 2010 , 42, 564-567	1.5	36
174	Porous niobium oxide films prepared by anodizationEnnealingEnodization. <i>Nanotechnology</i> , 2007 , 18, 055603	3.4	36
173	Sulfonated poly(ether sulfone) for universal polymer electrolyte fuel cell operations. <i>Journal of Power Sources</i> , 2006 , 160, 353-358	8.9	35
172	Gently reduced graphene oxide incorporated into cobalt oxalate rods as bifunctional oxygen electrocatalyst. <i>Electrochimica Acta</i> , 2014 , 140, 404-411	6.7	34
171	Excavated Fe-N-C sites for enhanced electrocatalytic activity in the oxygen reduction reaction. <i>ChemSusChem</i> , 2014 , 7, 1289-94	8.3	33
170	A stable Ni B catalyst in hydrogen generation via NaBH4 hydrolysis. <i>Catalysis Communications</i> , 2011 , 16, 120-123	3.2	33
170 169		3.2 8.9	33
	2011 , 16, 120-123 Direct power generation from waste coffee grounds in a biomass fuel cell. <i>Journal of Power Sources</i>		
169	 2011, 16, 120-123 Direct power generation from waste coffee grounds in a biomass fuel cell. <i>Journal of Power Sources</i>, 2015, 296, 433-439 Diagnosis of the measurement inconsistencies of carbon-based electrocatalysts for the oxygen 	8.9	
169 168	Direct power generation from waste coffee grounds in a biomass fuel cell. <i>Journal of Power Sources</i> , 2015, 296, 433-439 Diagnosis of the measurement inconsistencies of carbon-based electrocatalysts for the oxygen reduction reaction in alkaline media. <i>RSC Advances</i> , 2015, 5, 1571-1580 Electrochromic Mechanism of IrO[sub 2] Prepared by Pulsed Anodic Electrodeposition.	8.9	32
169 168 167	Direct power generation from waste coffee grounds in a biomass fuel cell. <i>Journal of Power Sources</i> , 2015, 296, 433-439 Diagnosis of the measurement inconsistencies of carbon-based electrocatalysts for the oxygen reduction reaction in alkaline media. <i>RSC Advances</i> , 2015, 5, 1571-1580 Electrochromic Mechanism of IrO[sub 2] Prepared by Pulsed Anodic Electrodeposition. <i>Electrochemical and Solid-State Letters</i> , 2004, 7, H5 Enhancing Role of Nickel in the NickelPalladium Bilayer for Electrocatalytic Oxidation of Ethanol in	8.9	32 32 32
169168167166	Direct power generation from waste coffee grounds in a biomass fuel cell. <i>Journal of Power Sources</i> , 2015, 296, 433-439 Diagnosis of the measurement inconsistencies of carbon-based electrocatalysts for the oxygen reduction reaction in alkaline media. <i>RSC Advances</i> , 2015, 5, 1571-1580 Electrochromic Mechanism of IrO[sub 2] Prepared by Pulsed Anodic Electrodeposition. <i>Electrochemical and Solid-State Letters</i> , 2004, 7, H5 Enhancing Role of Nickel in the Nickel Palladium Bilayer for Electrocatalytic Oxidation of Ethanol in Alkaline Media. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22473-22478 Electrochemical codeposition of Pt/graphene catalyst for improved methanol oxidation. <i>Current</i>	8.9 3.7 3.8	32 32 32 31
169168167166165	Direct power generation from waste coffee grounds in a biomass fuel cell. <i>Journal of Power Sources</i> , 2015, 296, 433-439 Diagnosis of the measurement inconsistencies of carbon-based electrocatalysts for the oxygen reduction reaction in alkaline media. <i>RSC Advances</i> , 2015, 5, 1571-1580 Electrochromic Mechanism of IrO[sub 2] Prepared by Pulsed Anodic Electrodeposition. <i>Electrochemical and Solid-State Letters</i> , 2004, 7, H5 Enhancing Role of Nickel in the NickelPalladium Bilayer for Electrocatalytic Oxidation of Ethanol in Alkaline Media. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22473-22478 Electrochemical codeposition of Pt/graphene catalyst for improved methanol oxidation. <i>Current Applied Physics</i> , 2015, 15, 219-225	8.9 3.7 3.8 2.6	32 32 31 31

161	Controlling oxygen functional species of graphene oxide for an electro-oxidation of L-ascorbic acid. <i>Electrochemistry Communications</i> , 2011 , 13, 677-680	5.1	29
160	Graphene Supported Pd Electrocatalysts for Formic Acid Oxidation. <i>Electrocatalysis</i> , 2010 , 1, 139-143	2.7	29
159	Morphological features of electrodeposited Pt nanoparticles and its application as anode catalysts in polymer electrolyte formic acid fuel cells. <i>Journal of Power Sources</i> , 2010 , 195, 5929-5933	8.9	29
158	Effect of transition metal induced pore structure on oxygen reduction reaction of electrospun fibrous carbon. <i>Catalysis Today</i> , 2016 , 260, 82-88	5.3	28
157	A high-performing nanostructured TiO2 filter for volatile organic compounds using atomic layer deposition. <i>Chemical Communications</i> , 2011 , 47, 5605-7	5.8	28
156	Fe B catalyst fabricated by hybrid capacitive adsorption@hemical reduction method and its application for hydrogen production from NaBH4 solution. <i>Catalysis Today</i> , 2013 , 216, 240-245	5.3	27
155	Disproportionation of thermoelectric bismuth telluride nanowires as a result of the annealing process. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 15247-50	3.6	27
154	Electrocatalytic oxygen evolution reaction at a FeNi composite on a carbon nanofiber matrix in alkaline media. <i>Chinese Journal of Catalysis</i> , 2014 , 35, 891-895	11.3	26
153	A Stable and Cost-Effective Anode Catalyst Structure for Formic Acid Fuel Cells. <i>Angewandte Chemie</i> , 2008 , 120, 10317-10320	3.6	26
152	Iridium oxide fabrication and application: A review. <i>Journal of Energy Chemistry</i> , 2020 , 46, 152-172	12	26
151	Improved water management of Pt/C cathode modified by graphitized carbon nanofiber in proton exchange membrane fuel cell. <i>Journal of Power Sources</i> , 2018 , 399, 350-356	8.9	25
150	Fast and selective Cu2O nanorod growth into anodic alumina templates via electrodeposition. <i>Current Applied Physics</i> , 2012 , 12, 60-64	2.6	25
149	Electrochemically oxidized carbon anode in direct l-ascorbic acid fuel cells. <i>Electrochimica Acta</i> , 2007 , 53, 1731-1736	6.7	25
148	Enhanced Seebeck Coefficients of Thermoelectric Bi2Te3 Nanowires as a Result of an Optimized Annealing Process. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 19512-19516	3.8	24
147	Self-Organized One-Dimensional Cobalt Compound Nanostructures from CoC2O4 for Superior Oxygen Evolution Reaction. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 23712-23715	3.8	24
146	Atomic layer deposition of TiO2 nanotubes and its improved electrostatic capacitance. <i>Electrochemistry Communications</i> , 2010 , 12, 210-212	5.1	24
145	On the origin of electrodeposition mechanism of ZnO on ITO substrate. <i>Korean Journal of Chemical Engineering</i> , 2005 , 22, 161-164	2.8	24
144	Improvement of water softening efficiency in capacitive deionization by ultra purification process of reduced graphene oxide. <i>Current Applied Physics</i> , 2015 , 15, 1397-1401	2.6	23

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Tree-Bark-Shaped N-Doped Porous Carbon Anode for Hydrazine Fuel Cells. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13513-13516	16.4	23
Anion dependent CO/H 2 production ratio from CO 2 reduction on Au electro-catalyst. <i>Catalysis Today</i> , 2017 , 295, 82-88	5.3	23
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Catalytically active highly metallic palladium on carbon support for oxidation of HCOO []Catalysis Today, 2017 , 295, 26-31	5.3	22
Electrocatalytic Activity of PdteO2 Nanobundle in an Alkaline Ethanol Oxidation. <i>Catalysis Letters</i> , 2010 , 138, 46-49	2.8	22
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EQCM analysis of Bi oxidation mechanism on a Pt electrode. <i>Electrochemistry Communications</i> , 2005 , 7, 1375-1379	5.1	22
Electrocatalytic Oxidation of Formic Acid: Closing the Gap Between Fundamental Study and Technical Applications. <i>Electrocatalysis</i> , 2015 , 6, 20-32	2.7	21
Enhanced corrosion tolerance and highly durable ORR activity by low Pt electrocatalyst on unique pore structured CNF in PEM fuel cell. <i>Electrochimica Acta</i> , 2020 , 348, 136346	6.7	21
Atomic-layer-deposited TiO2 on cathode gas diffusion layer for low humidity operation in hydrogen fuel cells. <i>Electrochemistry Communications</i> , 2012 , 24, 108-111	5.1	21
Power factor measurements of bismuth telluride nanowires grown by pulsed electrodeposition. <i>Physica Status Solidi - Rapid Research Letters</i> , 2010 , 4, 43-45	2.5	21
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Influence of Solution pH on Pt Anode Catalyst in Direct Formic Acid Fuel Cells. <i>ACS Catalysis</i> , 2015 , 5, 6848-6851	13.1	20
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Pore-filled anion-exchange membranes for electrochemical energy conversion applications. <i>Electrochimica Acta</i> , 2016 , 222, 212-220	6.7	19
	Anion dependent CO/H 2 production ratio from CO 2 reduction on Au electro-catalyst. Catalysis Today, 2017, 295, 82-88 A novel approach for fabrication of bismuth-silicon dioxide core-shell structures by atomic layer deposition. Journal of Materials Chemistry, 2009, 19, 7050 Extensive Active-Site Formation in Trirutile CoSb2O6 by Oxygen Vacancy for Oxygen Evolution Reaction in Anion Exchange Membrane Water Splitting. ACS Energy Letters, 2021, 6, 364-370 Catalytically active highly metallic palladium on carbon support for oxidation of HCOO IlCatalysis Today, 2017, 295, 26-31 Electrocatalytic Activity of PdteO2 Nanobundle in an Alkaline Ethanol Oxidation. Catalysis Letters, 2010, 138, 46-49 Influence of copper oxide modification of a platinum cathode on the activity of direct methanol fuel cell. Electrochimica Acta, 2007, 52, 2272-2276 EQCM analysis of Bi oxidation mechanism on a Pt electrode. Electrochemistry Communications, 2005, 7, 1375-1379 Electrocatalytic Oxidation of Formic Acid: Closing the Gap Between Fundamental Study and Technical Applications. Electrocatalysis, 2015, 6, 20-32 Enhanced corrosion tolerance and highly durable ORR activity by low Pt electrocatalyst on unique pore structured CNF in PEM fuel cell. Electrochimica Acta, 2020, 348, 136346 Atomic-layer-deposited TiO2 on cathode gas diffusion layer for low humidity operation in hydrogen fuel cells. Electrochemistry Communications, 2012, 24, 108-111 Power factor measurements of bismuth telluride nanowires grown by pulsed electrodeposition. Physica Status Solidi - Rapid Research Letters, 2010, 4, 43-45 Bioaffinity detection of pathogens on surfaces. Journal of Industrial and Engineering Chemistry, 2010, 16, 169-177 Influence of Solution pH on Pt Anode Catalyst in Direct Formic Acid Fuel Cells. ACS Catalysis, 2015, 5, 6848-6851 Enhanced electrical and mass transfer characteristics of acid-treated carbon nanotubes for capacitive deionization. Current Applied Physics, 2015, 15, 1539-1544 A single-step approach to create nano-pottery stru	Anion dependent CO/H 2 production ratio from CO 2 reduction on Au electro-catalyst. Catalysis Today, 2017, 295, 82-88 A novel approach for fabrication of bismuth-silicon dioxide core-shell structures by atomic layer deposition. Journal of Materials Chemistry, 2009, 19, 7050 Extensive Active-Site Formation in Trirutile CoSb2O6 by Oxygen Vacancy for Oxygen Evolution Reaction in Anion Exchange Membrane Water Splitting. ACS Energy Letters, 2021, 6, 364-370 Catalytically active highly metallic palladium on carbon support for oxidation of HCOO II Catalysis Today, 2017, 295, 26-31 Electrocatalytic Activity of PdIeO2 Nanobundle in an Alkaline Ethanol Oxidation. Catalysis Letters, 2010, 138, 46-49 Influence of copper oxide modification of a platinum cathode on the activity of direct methanol fuel cell. Electrochimica Acta, 2007, 52, 2272-2276 EQCM analysis of Bi oxidation mechanism on a Pt electrode. Electrochemistry Communications, 2005, 7, 1375-1379 Electrocatalytic Oxidation of Formic Acid: Closing the Gap Between Fundamental Study and Technical Applications. Electrocatalysis, 2015, 6, 20-32 Enhanced corrosion tolerance and highly durable ORR activity by low Pt electrocatalysts on unique pore structured CNF in PEM fuel cell. Electrochimica Acta, 2020, 348, 136346 Atomic-layer-deposited TiO2 on cathode gas diffusion layer for low humidity operation in hydrogen fuel cells. Electrochemistry Communications, 2012, 24, 108-111 Power factor measurements of bismuth telluride nanowires grown by pulsed electrodeposition. Physica Status Solidi - Rapid Research Letters, 2010, 4, 43-45 Bioaffinity detection of pathogens on surfaces. Journal of Industrial and Engineering Chemistry, 2010, 16, 169-177 Influence of Solution pH on Pt Anode Catalyst in Direct Formic Acid Fuel Cells. ACS Catalysis, 2015, 5, 6848-6851 Enhanced electrical and mass transfer characteristics of acid-treated carbon nanotubes for capacitive deionization. Current Applied Physics, 2015, 15, 1539-1544 A single-step approach to create nano-pottery st

125	Improvement of Energy Capacity with Vitamin C Treated Dual-Layered Graphene-Sulfur Cathodes in Lithium-Sulfur Batteries. <i>ChemSusChem</i> , 2015 , 8, 2883-91	8.3	19
124	Atomic layer deposition of ultrathin layered TiO2 on Pt/C cathode catalyst for extended durability in polymer electrolyte fuel cells. <i>Journal of Energy Chemistry</i> , 2016 , 25, 258-264	12	18
123	Development of high quality Fe3O4/rGO composited electrode for low energy water treatment. Journal of Energy Chemistry, 2016 , 25, 354-360	12	18
122	Polydimethylsiloxane treated cathode catalyst layer to prolong hydrogen fuel cell lifetime. <i>Catalysis Today</i> , 2016 , 262, 155-160	5.3	18
121	Accelerated durability test of DMFC electrodes by electrochemical potential cycling. <i>Journal of Industrial and Engineering Chemistry</i> , 2009 , 15, 661-664	6.3	18
120	Electrostatic capacitance of TiO2nanowires in a porous alumina template. <i>Nanotechnology</i> , 2005 , 16, 1449-1453	3.4	18
119	Moderate oxophilic CoFe in carbon nanofiber for the oxygen evolution reaction in anion exchange membrane water electrolysis. <i>Electrochimica Acta</i> , 2020 , 353, 136521	6.7	17
118	Electro-oxidation of mixed reactants of ethanol and formate on Pd/C in alkaline fuel cells. <i>Journal of Energy Chemistry</i> , 2016 , 25, 683-690	12	17
117	An etched nanoporous Ge anode in a novel metal-air energy conversion cell. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 6333-8	3.6	17
116	Electrochemically Deposited NanoColumnar Junctions of Cu[sub 2]O and ZnO on Ni Nanowires. <i>Electrochemical and Solid-State Letters</i> , 2005 , 8, C81		17
116		3.6	17
	Existence regions of spatiotemporal patterns in the electro-oxidation of formic acid. <i>Physical</i>	3.6	
115	Existence regions of spatiotemporal patterns in the electro-oxidation of formic acid. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 935-938 Epitaxial Growth of Cu[sub 2]O (111) by Electrodeposition. <i>Electrochemical and Solid-State Letters</i> ,	3.6	17
115	Existence regions of spatiotemporal patterns in the electro-oxidation of formic acid. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 935-938 Epitaxial Growth of Cu[sub 2]O (111) by Electrodeposition. <i>Electrochemical and Solid-State Letters</i> , 1999 , 2, 559 Narrow size distribution of Pt nanoparticles covered by an S-doped carbon layer for an improved		17
115 114 113	Existence regions of spatiotemporal patterns in the electro-oxidation of formic acid. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 935-938 Epitaxial Growth of Cu[sub 2]O (111) by Electrodeposition. <i>Electrochemical and Solid-State Letters</i> , 1999 , 2, 559 Narrow size distribution of Pt nanoparticles covered by an S-doped carbon layer for an improved oxygen reduction reaction in fuel cells. <i>Journal of Power Sources</i> , 2020 , 450, 227650 Ethylene Selectivity in CO Electroreduction when using Cu Oxides: An In Situ ATR-SEIRAS Study.	8.9	17 17 17
115 114 113	Existence regions of spatiotemporal patterns in the electro-oxidation of formic acid. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 935-938 Epitaxial Growth of Cu[sub 2]O (111) by Electrodeposition. <i>Electrochemical and Solid-State Letters</i> , 1999 , 2, 559 Narrow size distribution of Pt nanoparticles covered by an S-doped carbon layer for an improved oxygen reduction reaction in fuel cells. <i>Journal of Power Sources</i> , 2020 , 450, 227650 Ethylene Selectivity in CO Electroreduction when using Cu Oxides: An In Situ ATR-SEIRAS Study. <i>ChemElectroChem</i> , 2018 , 5, 558-564 Electrode Architecture in Galvanic and Electrolytic Energy Cells. <i>Angewandte Chemie - International</i>	8.9	17 17 17
115 114 113 112	Existence regions of spatiotemporal patterns in the electro-oxidation of formic acid. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 935-938 Epitaxial Growth of Cu[sub 2]O (111) by Electrodeposition. <i>Electrochemical and Solid-State Letters</i> , 1999 , 2, 559 Narrow size distribution of Pt nanoparticles covered by an S-doped carbon layer for an improved oxygen reduction reaction in fuel cells. <i>Journal of Power Sources</i> , 2020 , 450, 227650 Ethylene Selectivity in CO Electroreduction when using Cu Oxides: An In Situ ATR-SEIRAS Study. <i>ChemElectroChem</i> , 2018 , 5, 558-564 Electrode Architecture in Galvanic and Electrolytic Energy Cells. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 4870-80 Quasi-perpetual discharge behaviour in p-type Ge-air batteries. <i>Physical Chemistry Chemical Physics</i> ,	8.9 4.3 16.4	17 17 17 17 16

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107	Controlled electrochemical etching of nanoporous Si anodes and its discharge behavior in alkaline Si-air batteries. <i>ACS Applied Materials & Discharge Si-air batteries</i> . <i>ACS Applied Materials & Discharge Si-air batteries</i> .	9.5	16	
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