

Jaeyoung Lee

List of Publications by Year in descending order

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236
papers

8,942
citations

41344

49
h-index

60623

81
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248
all docs

248
docs citations

248
times ranked

10326
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective conversion of N ₂ to NH ₃ on highly dispersed RuO ₂ using amphiphilic ionic liquid-anchored fibrous carbon structure. <i>Journal of Energy Chemistry</i> , 2022, 67, 474-482.	12.9	19
2	Steam activation of Fe-N-C catalyst for advanced power performance of alkaline hydrazine fuel cells. <i>Journal of Energy Chemistry</i> , 2022, 64, 276-285.	12.9	15
3	Biomass-derived bifunctional electrocatalysts for oxygen reduction and evolution reaction: A review. <i>Journal of Energy Chemistry</i> , 2022, 65, 149-172.	12.9	66
4	High-performance capacitive deionization electrodes through regulated electrodeposition of manganese oxide and nickel-manganese oxide/hydroxide onto activated carbon. <i>Separation and Purification Technology</i> , 2022, 280, 119873.	7.9	5
5	Syngas production for Fischer-Tropsch process via co-electrolytic processes of CO ₂ reduction and NH ₃ oxidation. <i>Chemical Engineering Journal</i> , 2022, 430, 132563.	12.7	9
6	Rapid determination of lithium-ion battery degradation: High C-rate LAM and calculated limiting LLI. <i>Journal of Energy Chemistry</i> , 2022, 67, 663-671.	12.9	16
7	Green ammonia synthesis using CeO ₂ /RuO ₂ nanolayers on vertical graphene catalyst <i>via</i> electrochemical route in alkaline electrolyte. <i>Nanoscale</i> , 2022, 14, 1395-1408.	5.6	11
8	Nanostructured cobalt-based metal-organic framework/cadmium sulfide electrocatalyst for enhanced oxygen evolution reaction and anion exchange membrane-based water electrolysis: Synergistic effect. <i>Journal of Power Sources</i> , 2022, 527, 231151.	7.8	18
9	Boosting the oxygen evolution reaction performance of wrinkled Mn(OH) ₂ via conductive activation with a carbon binder. <i>Journal of Energy Chemistry</i> , 2022, 71, 580-587.	12.9	11
10	Phosphate-decorated Pt Nanoparticles as Methanol-tolerant Oxygen Reduction Electrocatalyst for Direct Methanol Fuel Cells. <i>Journal of Electrochemical Science and Technology</i> , 2022, 13, 354-361.	2.2	5
11	Improved electrosorption kinetics in meso/microporous carbon composite electrode for swift salt removal. <i>Catalysis Today</i> , 2021, 359, 133-140.	4.4	9
12	The effect of morphological difference and hydride incorporation on the activity of Pd/C catalysts in direct alkaline formate fuel cell. <i>Catalysis Today</i> , 2021, 359, 28-34.	4.4	9
13	Improved Redox Reaction of Lithium Polysulfides on the Interfacial Boundary of Polar CoC ₂ O ₄ as a Polysulfide Catenator for a High-Capacity Lithium-Sulfur Battery. <i>ChemSusChem</i> , 2021, 14, 876-883.	6.8	15
14	In situ demonstration of anodic interface degradation during water electrolysis: Corrosion and passivation. <i>Electrochimica Acta</i> , 2021, 365, 137276.	5.2	9
15	Extensive Active-Site Formation in Trirutile CoSb ₂ O ₆ by Oxygen Vacancy for Oxygen Evolution Reaction in Anion Exchange Membrane Water Splitting. <i>ACS Energy Letters</i> , 2021, 6, 364-370.	17.4	66
16	Carbon-Based Capacitive Deionization Electrodes: Development Techniques and its Influence on Electrode Properties. <i>Chemical Record</i> , 2021, 21, 820-840.	5.8	20
17	Contribution of Interstitial Boron in a Boron-Incorporated Palladium Catalyst Toward Formate Oxidation in an Alkaline Direct Formate Fuel Cell. <i>ACS Catalysis</i> , 2021, 11, 4722-4729.	11.2	35
18	Formation of 1-Butanol from CO ₂ without *CO Dimerization on a Phosphorus-Rich Copper Cathode. <i>ACS Energy Letters</i> , 2021, 6, 2090-2095.	17.4	24

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19	Crusty-Structured Cu@NiCo Nanoparticles as Anode Catalysts in Alkaline Fuel Cells. ACS Applied Nano Materials, 2021, 4, 8145-8153.	5.0	8
20	Dischargeable nickel matrix charges iron species for oxygen evolution electrocatalysis. Electrochimica Acta, 2021, 386, 138401.	5.2	10
21	Rhodium-molybdenum oxide electrocatalyst with dual active sites for electrochemical ammonia synthesis under neutral pH condition. Journal of Electroanalytical Chemistry, 2021, 896, 115157.	3.8	10
22	Improved Redox Reaction of Lithium Polysulfides on the Interfacial Boundary of Polar CoC ₂ O ₄ as a Polysulfide Catenator for a High-Capacity Lithium-Sulfur Battery. ChemSusChem, 2021, 14, 757-757.	6.8	2
23	Au on highly hydrophobic carbon substrate for improved selective CO production from CO ₂ in gas-phase electrolytic cell. Catalysis Today, 2020, 355, 340-346.	4.4	18
24	Looking Back and Looking Ahead in Electrochemical Reduction of CO ₂ . Chemical Record, 2020, 20, 89-101.	5.8	9
25	The Role of Lone-Pair Electrons in Pt-N Interactions for the Oxygen Reduction Reaction in Polymer Exchange Membrane Fuel Cells. ChemSusChem, 2020, 13, 1751-1758.	6.8	19
26	Narrow size distribution of Pt nanoparticles covered by an S-doped carbon layer for an improved oxygen reduction reaction in fuel cells. Journal of Power Sources, 2020, 450, 227650.	7.8	33
27	Iridium oxide fabrication and application: A review. Journal of Energy Chemistry, 2020, 46, 152-172.	12.9	51
28	Crosslinked poly(allyl glycidyl ether) with pendant nitrile groups as solid polymer electrolytes for Li-S batteries. Electrochimica Acta, 2020, 362, 137141.	5.2	7
29	Moderate oxophilic CoFe in carbon nanofiber for the oxygen evolution reaction in anion exchange membrane water electrolysis. Electrochimica Acta, 2020, 353, 136521.	5.2	37
30	Solid polymer electrolytes from double-comb Poly(methylhydrosiloxane) based on quaternary ammonium moiety-containing crosslinking system for Li/S battery. Journal of Power Sources, 2020, 450, 227690.	7.8	15
31	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.	5.2	40
32	The Role of Lone-Pair Electrons in Pt-N Interactions for the Oxygen Reduction Reaction in Polymer Exchange Membrane Fuel Cells. ChemSusChem, 2020, 13, 1660-1660.	6.8	1
33	Optimistic performance of carbon-free hydrazine fuel cells based on controlled electrode structure and water management. Journal of Energy Chemistry, 2020, 51, 175-181.	12.9	20
34	Optimized electrode structure for performance and mechanical stability in a direct formate fuel cell using cation ionomer. Sustainable Energy and Fuels, 2020, 4, 1899-1907.	4.9	13
35	Experimental and Density Functional Theory Corroborated Optimization of Durable Metal Embedded Carbon Nanofiber for Oxygen Electrocatalysis. Journal of Physical Chemistry Letters, 2019, 10, 3109-3114.	4.6	16
36	Reduction of Iridium Loading to the Minimum Level Required for Water Oxidation Electrocatalysis without Sacrificing the Electrochemical Stability. Journal of Physical Chemistry C, 2019, 123, 12928-12934.	3.1	14

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37	Recent advances in water-splitting electrocatalysts based on manganese oxide. Carbon Resources Conversion, 2019, 2, 242-255.	5.9	24
38	Dehydration Pathway for the Dissociation of Gas-Phase Formic Acid on Pt(111) Surface Observed via Ambient-Pressure XPS. Journal of Physical Chemistry C, 2018, 122, 2064-2069.	3.1	16
39	Al-incorporation into Li ₇ La ₃ Zr ₂ O ₁₂ solid electrolyte keeping stabilized cubic phase for all-solid-state Li batteries. Journal of Energy Chemistry, 2018, 27, 1501-1508.	12.9	47
40	Ethylene Selectivity in CO Electroreduction when using Cu Oxides: An In Situ ATR-SEIRAS Study. ChemElectroChem, 2018, 5, 558-564.	3.4	23
41	Adsorbed Hydrogen as a Site-Occupying Species in the Electrocatalytic Oxidation of Formate on Pd/C in Alkaline Medium. Journal of the Electrochemical Society, 2018, 165, J3266-J3270.	2.9	19
42	Electrocatalytic Activity of Carbon in N-Doped Graphene to Achieve High-Energy Density Li-S Batteries. Journal of Physical Chemistry C, 2018, 122, 23045-23052.	3.1	15
43	Peptide-Programmable Nanoparticle Superstructures with Tailored Electrocatalytic Activity. ACS Nano, 2018, 12, 6554-6562.	14.6	19
44	The Effect of Synthesis Temperature on Pd-H Catalyst Structure for Alkaline Direct Formate Fuel Cells. ECS Transactions, 2018, 85, 149-158.	0.5	8
45	Enhanced Capacitive Deionization of Graphene Nanoplatelet/Activated Carbon Composite Electrode. ECS Transactions, 2018, 85, 1321-1327.	0.5	4
46	Overcome Mass Transfer Limitation of PEMFC Cathode Via Incorporation of Hydrophobic Carbon Nanostructure. ECS Transactions, 2018, 85, 475-487.	0.5	1
47	Improved water management of Pt/C cathode modified by graphitized carbon nanofiber in proton exchange membrane fuel cell. Journal of Power Sources, 2018, 399, 350-356.	7.8	36
48	Catalytically active highly metallic palladium on carbon support for oxidation of HCOO ⁻ . Catalysis Today, 2017, 295, 26-31.	4.4	28
49	Tree-Bark-Shaped N-Doped Porous Carbon Anode for Hydrazine Fuel Cells. Angewandte Chemie, 2017, 129, 13698-13701.	2.0	5
50	Tree-Bark-Shaped N-Doped Porous Carbon Anode for Hydrazine Fuel Cells. Angewandte Chemie - International Edition, 2017, 56, 13513-13516.	13.8	38
51	Anion dependent CO/H ₂ production ratio from CO ₂ reduction on Au electro-catalyst. Catalysis Today, 2017, 295, 82-88.	4.4	34
52	A graphitic edge plane rich meso-porous carbon anode for alkaline water electrolysis. Physical Chemistry Chemical Physics, 2017, 19, 21987-21995.	2.8	14
53	Importance of Ag-Cu Biphasic Boundaries for Selective Electrochemical Reduction of CO ₂ to Ethanol. ACS Catalysis, 2017, 7, 8594-8604.	11.2	287
54	Enhancement of catalytic activity of a programmed gold nanoparticle superstructure modulated by supramolecular protein assembly. Catalysis Today, 2017, 295, 95-101.	4.4	4

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55	Origin of peculiar electrochemical phenomena in direct carbon fuel cells. <i>Chemical Engineering Journal</i> , 2017, 327, 1163-1175.	12.7	6
56	Meticulous insight on the state of fuel in a solid oxide carbon fuel cell. <i>Chemical Engineering Journal</i> , 2017, 308, 974-979.	12.7	6
57	Bulk pH contribution to CO/HCOO [•] production from CO ₂ on oxygen-evacuated Cu ₂ O electrocatalyst. <i>Catalysis Today</i> , 2017, 288, 11-17.	4.4	15
58	Induced changes of Pt/C in activity and durability through heat-treatment for oxygen reduction reaction in acidic medium. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 22830-22840.	7.1	10
59	Electrode Build-Up of Reducible Metal Composites toward Achievable Electrochemical Conversion of Carbon Dioxide. <i>ChemSusChem</i> , 2016, 9, 333-344.	6.8	72
60	Alkaline Ammonia Electrolysis on Electrodeposited Platinum for Controllable Hydrogen Production. <i>ChemSusChem</i> , 2016, 9, 403-408.	6.8	57
61	Elektrodenarchitektur in galvanischen und elektrolytischen Energiezellen. <i>Angewandte Chemie</i> , 2016, 128, 4952-4962.	2.0	0
62	Observation of <i>in situ</i> oxidation dynamics of vanadium thin film with ambient pressure X-ray photoemission spectroscopy. <i>Journal of Applied Physics</i> , 2016, 120, .	2.5	12
63	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.	3.1	48
64	Porous and Conductive Fibrous Carbon for Enhanced Electrocatalytic Oxygen Reduction Reaction in Alkaline Media. <i>Journal of Physical Chemistry C</i> , 2016, 120, 22342-22348.	3.1	11
65	Peptide-based bimetallic nanostructures with tailored surface compositions and their oxygen electroreduction activities. <i>CrystEngComm</i> , 2016, 18, 6024-6028.	2.6	10
66	Dip-coating synthesis of high-surface area nanostructured FeB for direct usage as anode in metal/metalloid-air battery. <i>Current Applied Physics</i> , 2016, 16, 1075-1080.	2.4	17
67	Pore-filled anion-exchange membranes for electrochemical energy conversion applications. <i>Electrochimica Acta</i> , 2016, 222, 212-220.	5.2	24
68	Influence of the mediating behaviour of Sn according to its particle size on a Ni/yttria-stabilised zirconia porous anode structure in a direct carbon fuel cell. <i>RSC Advances</i> , 2016, 6, 109036-109044.	3.6	3
69	Electrode Architecture in Galvanic and Electrolytic Energy Cells. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4870-4880.	13.8	19
70	Metal-Derived Mesoporous Structure of a Carbon Nanofiber Electrocatalyst for Improved Oxygen Evolution Reaction in Alkaline Water Electrolysis. <i>ChemElectroChem</i> , 2016, 3, 1720-1724.	3.4	11
71	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.	12.9	24
72	Positively charged carbon electrocatalyst for enhanced power performance of L-ascorbic acid fuel cells. <i>Journal of Energy Chemistry</i> , 2016, 25, 793-797.	12.9	16

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73	High Power Density Semiconductor Air Batteries Based on p-Type Germanium with Different Crystal Orientations. ChemElectroChem, 2016, 3, 242-246.	3.4	13
74	Atomic layer deposition of ultrathin layered TiO ₂ on Pt/C cathode catalyst for extended durability in polymer electrolyte fuel cells. Journal of Energy Chemistry, 2016, 25, 258-264.	12.9	22
75	SPPO pore-filled composite membranes with electrically aligned ion channels via a lab-scale continuous caster for fuel cells: An optimal DC electric field strength-IEC relationship. Journal of Membrane Science, 2016, 501, 15-23.	8.2	18
76	Surface analysis and dynamics. Catalysis Today, 2016, 260, 1-2.	4.4	2
77	Development of high quality Fe ₃ O ₄ /rGO composited electrode for low energy water treatment. Journal of Energy Chemistry, 2016, 25, 354-360.	12.9	24
78	Effect of transition metal induced pore structure on oxygen reduction reaction of electrospun fibrous carbon. Catalysis Today, 2016, 260, 82-88.	4.4	30
79	Polydimethylsiloxane treated cathode catalyst layer to prolong hydrogen fuel cell lifetime. Catalysis Today, 2016, 262, 155-160.	4.4	21
80	Ameliorated performance in a direct carbon fuel cell using Sn mediator on Ni-YSZ anode surface. Catalysis Today, 2016, 260, 158-164.	4.4	14
81	Competitiveness of Formic Acid Fuel Cells: In Comparison with Methanol. Applied Chemistry for Engineering, 2016, 27, 123-127.	0.2	6
82	Current Status of Thermoelectric Power Generation Technology. Applied Chemistry for Engineering, 2016, 27, 353-357.	0.2	3
83	Improvement of Energy Capacity with Vitamin C Treated Dual-Layered Graphene-Sulfur Cathodes in Lithium-Sulfur Batteries. ChemSusChem, 2015, 8, 2754-2754.	6.8	5
84	Electrocatalytic Production of C ₃ -C ₄ Compounds by Conversion of CO ₂ on a Chloride-Induced Biphasic Cu ₂ O-Cu Catalyst. Angewandte Chemie - International Edition, 2015, 54, 14701-14705.	13.8	243
85	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. Angewandte Chemie - International Edition, 2015, 54, 9230-9234.	13.8	118
86	Improvement of Energy Capacity with Vitamin C Treated Dual-Layered Graphene-Sulfur Cathodes in Lithium-Sulfur Batteries. ChemSusChem, 2015, 8, 2883-2891.	6.8	20
87	Diagnosis of the measurement inconsistencies of carbon-based electrocatalysts for the oxygen reduction reaction in alkaline media. RSC Advances, 2015, 5, 1571-1580.	3.6	42
88	Electrochemical codeposition of Pt/graphene catalyst for improved methanol oxidation. Current Applied Physics, 2015, 15, 219-225.	2.4	35
89	Alkaline CO ₂ Electrolysis toward Selective and Continuous HCOO ⁻ Production over SnO ₂ Nanocatalysts. Journal of Physical Chemistry C, 2015, 119, 4884-4890.	3.1	127
90	Controlled Electrochemical Etching of Nanoporous Si Anodes and Its Discharge Behavior in Alkaline Si-Air Batteries. ACS Applied Materials & Interfaces, 2015, 7, 3126-3132.	8.0	26

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91	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.	2.4	29
92	Direct power generation from waste coffee grounds in a biomass fuel cell. <i>Journal of Power Sources</i> , 2015, 296, 433-439.	7.8	52
93	An optimized mild reduction route towards excellent cobalt-graphene catalysts for water oxidation. <i>RSC Advances</i> , 2015, 5, 64858-64864.	3.6	2
94	Ultrahigh purification in concentrated NaOH by electrowinning for solar cell application. <i>Separation and Purification Technology</i> , 2015, 145, 24-28.	7.9	3
95	Influence of Solution pH on Pt Anode Catalyst in Direct Formic Acid Fuel Cells. <i>ACS Catalysis</i> , 2015, 5, 6848-6851.	11.2	24
96	Enhanced electrical and mass transfer characteristics of acid-treated carbon nanotubes for capacitive deionization. <i>Current Applied Physics</i> , 2015, 15, 1539-1544.	2.4	25
97	High-temperature liquid Sn-air energy storage cell. <i>Journal of Energy Chemistry</i> , 2015, 24, 614-619.	12.9	8
98	Sustainable production of formic acid by electrolytic reduction of gaseous carbon dioxide. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3029-3034.	10.3	95
99	Electrocatalytic Oxidation of Formic Acid: Closing the Gap Between Fundamental Study and Technical Applications. <i>Electrocatalysis</i> , 2015, 6, 20-32.	3.0	24
100	Insights into an autonomously formed oxygen-evacuated Cu ₂ O electrode for the selective production of C ₂ H ₄ from CO ₂ . <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 824-830.	2.8	197
101	III-V Tandem, CuInGa(S,Se) ₂ , and Cu ₂ Te/ZnSn(S,Se) ₄ Compound Semiconductor Thin Film Solar Cells. <i>Applied Chemistry for Engineering</i> , 2015, 26, 526-532.	0.2	0
102	Durable power performance of a direct ash-free coal fuel cell. <i>Electrochimica Acta</i> , 2014, 115, 511-517.	5.2	55
103	Excavated Fe-N Sites for Enhanced Electrocatalytic Activity in the Oxygen Reduction Reaction. <i>ChemSusChem</i> , 2014, 7, 1289-1294.	6.8	40
104	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, 13807-13813.	2.8	39
105	Quasi-perpetual discharge behaviour in p-type Ge-air batteries. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 22487-22494.	2.8	22
106	Quasi-Photonic Crystal Effect of TiCl ₃ /Electrolyte Matrix in Unipolar Dye-Absorber Devices. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 14399-14404.	8.0	5
107	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.	3.1	35
108	in-situ electrochemical extended X-ray absorption fine structure spectroscopy study on the reactivation of Pd electrocatalyst in formic acid oxidation. <i>Electrochimica Acta</i> , 2014, 140, 525-528.	5.2	7

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109	Controlled water flooding of polymer electrolyte fuel cells applying superhydrophobic gas diffusion layer. <i>Current Applied Physics</i> , 2014, 14, 1374-1379.	2.4	21
110	Functionalized Graphene-Based Cathode for Highly Reversible Lithium-Sulfur Batteries. <i>ChemSusChem</i> , 2014, 7, 1265-1273.	6.8	51
111	Facile preparation of SnC ₂ O ₄ nanowires for anode materials of a Li ion battery. <i>Current Applied Physics</i> , 2014, 14, 892-896.	2.4	7
112	Gently reduced graphene oxide incorporated into cobalt oxalate rods as bifunctional oxygen electrocatalyst. <i>Electrochimica Acta</i> , 2014, 140, 404-411.	5.2	38
113	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.	14.0	29
114	High Energy Density Germanium Anodes for Next Generation Lithium Ion Batteries. <i>Applied Chemistry for Engineering</i> , 2014, 25, 1-13.	0.2	14
115	Carbon Electrodes in Capacitive Deionization Process. <i>Applied Chemistry for Engineering</i> , 2014, 25, 346-351.	0.2	2
116	Oxygen electrocatalysis in chemical energy conversion and storage technologies. <i>Current Applied Physics</i> , 2013, 13, 309-321.	2.4	167
117	Carbon dioxide reforming of methane over mesoporous Ni/SiO ₂ . <i>Fuel</i> , 2013, 112, 111-116.	6.4	40
118	Influence of acid/base co-catalyst on the photoelectrochemical properties of TiO ₂ thin films in dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2013, 107, 619-623.	5.2	4
119	Pyrolytic carbon infiltrated nanoporous alumina reducing contact resistance of aluminum/carbon interface. <i>Electrochimica Acta</i> , 2013, 89, 173-179.	5.2	7
120	End-group cross-linked large-size composite membranes via a lab-made continuous caster: enhanced oxidative stability and scale-up feasibility in a 50 cm ² single-cell and a 220 W class 5-cell PEFC stack. <i>RSC Advances</i> , 2013, 3, 24154.	3.6	3
121	Fe-B catalyst fabricated by hybrid capacitive adsorption-chemical reduction method and its application for hydrogen production from NaBH ₄ solution. <i>Catalysis Today</i> , 2013, 216, 240-245.	4.4	36
122	An etched nanoporous Ge anode in a novel metal-air energy conversion cell. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6333.	2.8	21
123	Enhanced electrocatalysis of PtRu onto graphene separated by Vulcan carbon spacer. <i>Journal of Power Sources</i> , 2013, 222, 261-266.	7.8	51
124	Ultrafast and stable hydrogen generation from sodium borohydride in methanol and water over Fe-B nanoparticles. <i>Journal of Power Sources</i> , 2013, 243, 444-450.	7.8	110
125	Interfacial Charge-Transfer Loss in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2734-2739.	3.1	14
126	Enhanced reversible capacity of Li-S battery cathode based on graphene oxide. <i>Journal of Energy Chemistry</i> , 2013, 22, 336-340.	12.9	31

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127	On the Origin of Electrocatalytic Oxygen Reduction Reaction on Electrospun Nitrogenâ€“Carbon Species. Journal of Physical Chemistry C, 2013, 117, 11619-11624.	3.1	112
128	Self-Organized One-Dimensional Cobalt Compound Nanostructures from CoC ₂ O ₄ for Superior Oxygen Evolution Reaction. Journal of Physical Chemistry C, 2013, 117, 23712-23715.	3.1	34
129	Atomic-layer-deposited TiO ₂ on cathode gas diffusion layer for low humidity operation in hydrogen fuel cells. Electrochemistry Communications, 2012, 24, 108-111.	4.7	26
130	Enhanced Seebeck Coefficients of Thermoelectric Bi ₂ Te ₃ Nanowires as a Result of an Optimized Annealing Process. Journal of Physical Chemistry C, 2012, 116, 19512-19516.	3.1	30
131	Nanoparticle-Enhanced Surface Plasmon Resonance Detection of Proteins at Attomolar Concentrations: Comparing Different Nanoparticle Shapes and Sizes. Analytical Chemistry, 2012, 84, 1702-1707.	6.5	148
132	High-Density Nanoporous Structures for Enhanced Electrocatalysis. Journal of Physical Chemistry C, 2012, 116, 2915-2918.	3.1	5
133	Fast and selective Cu ₂ O nanorod growth into anodic alumina templates via electrodeposition. Current Applied Physics, 2012, 12, 60-64.	2.4	29
134	Improved dimensional stability of Nafion membrane modified using a layer by layer self-assembly of biophilic polymers. Current Applied Physics, 2012, 12, 1235-1238.	2.4	4
135	Open circuit interaction of borohydride with oxidized platinum surfaces. Electrochemistry Communications, 2012, 16, 107-109.	4.7	8
136	Clean hydrogen production from methanolâ€“water solutions via power-saved electrolytic reforming process. Journal of Power Sources, 2012, 198, 218-222.	7.8	67
137	Effect of thermal treatment on the aluminum hydroxide nanofibers synthesized by electrolysis of Al plates. Microelectronic Engineering, 2012, 89, 89-91.	2.4	12
138	Comparable mono and bipolar connection of capacitive deionization stack in NaCl treatment. Journal of Industrial and Engineering Chemistry, 2012, 18, 763-766.	5.8	24
139	A high-performing nanostructured TiO ₂ filter for volatile organic compounds using atomic layer deposition. Chemical Communications, 2011, 47, 5605-5607.	4.1	30
140	On the origin of reactive Pd catalysts for an electrooxidation of formic acid. Physical Chemistry Chemical Physics, 2011, 13, 6192.	2.8	14
141	Bifunctional Silver Nanoparticle Cathode in Microbial Fuel Cells for Microbial Growth Inhibition with Comparable Oxygen Reduction Reaction Activity. Environmental Science & Technology, 2011, 45, 5441-5446.	10.0	109
142	Enhanced anode interface for electrochemical oxidation of solid fuel in direct carbon fuel cells: The role of liquid Sn in mixed state. Journal of Power Sources, 2011, , .	7.8	9
143	A facile route for preparation of non-noble CNF cathode catalysts in alkaline ethanol fuel cells. Electrochimica Acta, 2011, 56, 9186-9190.	5.2	50
144	A stable Niâ€“B catalyst in hydrogen generation via NaBH ₄ hydrolysis. Catalysis Communications, 2011, 16, 120-123.	3.3	41

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145	Autonomous interfacial creation of nanostructured lead oxide. <i>Nanoscale</i> , 2011, 3, 4984.	5.6	9
146	Surface Modifications of a Carbon Anode Catalyst by Control of Functional Groups for Vitamin C Fuel Cells. <i>Electrocatalysis</i> , 2011, 2, 200-206.	3.0	4
147	Changes in the surface structure of Pd/Ta ₂ O ₅ by oxygen and CO studied using X-ray Photoelectron Spectroscopy (XPS). <i>Surface and Interface Analysis</i> , 2011, 43, 1371-1376.	1.8	0
148	Electrocatalytic reduction of CO ₂ gas at Sn based gas diffusion electrode. <i>Current Applied Physics</i> , 2011, 11, 986-988.	2.4	97
149	Controlling oxygen functional species of graphene oxide for an electro-oxidation of L-ascorbic acid. <i>Electrochemistry Communications</i> , 2011, 13, 677-680.	4.7	32
150	Preparation of cost-effective Pt-Co electrodes by pulse electrodeposition for PEMFC electrocatalysts. <i>Electrochimica Acta</i> , 2011, 56, 3036-3041.	5.2	63
151	N-heterocyclic carbene-silver complexes: Potential conductive materials for silver pastes in electronic applications. <i>Polyhedron</i> , 2011, 30, 465-469.	2.2	5
152	10.2478/s11814-010-0099-5. , 2011, 27, 76.		0
153	Power factor measurements of bismuth telluride nanowires grown by pulsed electrodeposition. <i>Physica Status Solidi - Rapid Research Letters</i> , 2010, 4, 43-45.	2.4	22
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