

Michael Kwok Hi Leung

List of Publications by Year in descending order

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185
papers

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citations

26610

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11047

137
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190
all docs

190
docs citations

190
times ranked

22316
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic fuel cell – A review. Chemical Engineering Journal, 2022, 428, 131074.	6.6	57
2	Advancement of Bismuth-Based Materials for Electrocatalytic and Photo(electro)catalytic Ammonia Synthesis. Advanced Functional Materials, 2022, 32, 2106713.	7.8	44
3	Valence Engineering of Polyvalent Cobalt Encapsulated in a Carbon Nanofiber as an Efficient Trifunctional Electrocatalyst for the Zn-Air Battery and Overall Water Splitting. ACS Applied Materials & Interfaces, 2022, 14, 4399-4408.	4.0	15
4	A paper-based self-pumping microfluidic fuel cell stack with a novel vertical structure. International Journal of Energy Research, 2022, 46, 8389-8397.	2.2	4
5	Ultrastable bimetallic Fe ₂ Mo for efficient oxygen reduction reaction in pH-universal applications. Nano Research, 2022, 15, 4950-4957.	5.8	8
6	On the rational development of advanced thermochemical thermal batteries for short-term and long-term energy storage. Renewable and Sustainable Energy Reviews, 2022, 164, 112557.	8.2	12
7	Changing charge transfer mode with cobalt-molybdenum bimetallic atomic pairs for enhanced nitrogen fixation. Journal of Materials Chemistry A, 2022, 10, 15595-15604.	5.2	3
8	Recent developments of titanium dioxide materials for aquatic antifouling application. Journal of Marine Science and Technology, 2021, 26, 301-321.	1.3	16
9	Dynamic Activation of Adsorbed Intermediates via Axial Traction for the Promoted Electrochemical CO ₂ Reduction. Angewandte Chemie - International Edition, 2021, 60, 4192-4198.	7.2	183
10	Comparative dynamic performance of hybrid absorption thermal batteries using H ₂ O/1,3-dimethylimidazolium dimethylphosphate. Energy Conversion and Management, 2021, 228, 113690.	4.4	19
11	Modulated FeCo nanoparticle in situ growth on the carbon matrix for high-performance oxygen catalysts. Materials Today Energy, 2021, 19, 100610.	2.5	17
12	Electrochemical synthesis of ammonia from nitrogen catalyzed by CoMoO ₄ nanorods under ambient conditions. Journal of Materials Chemistry A, 2021, 9, 5060-5066.	5.2	23
13	Hierarchical Carbon Nanocages Embedding High-loading Sulfur for Catalyzing Oxygen Reduction Reactions. ChemCatChem, 2021, 13, 2045-2052.	1.8	3
14	Coalescence-Induced Jumping Droplets on Nanostructured Biphilic Surfaces with Contact Electrification Effects. ACS Applied Materials & Interfaces, 2021, 13, 11470-11479.	4.0	12
15	Mo ₂ C embedded on nitrogen-doped carbon toward electrocatalytic nitrogen reduction to ammonia under ambient conditions. International Journal of Hydrogen Energy, 2021, 46, 13011-13019.	3.8	28
16	Atomically Dispersed Iron Metal Site in a Porphyrin-Based Metal-Organic Framework for Photocatalytic Nitrogen Fixation. ACS Nano, 2021, 15, 9670-9678.	7.3	127
17	Green hydrogen production by solar photocatalysis using Pt-TiO ₂ nanosheets with reactive facets. HKIE Transactions, 2021, 28, 75-81.	1.9	1
18	Advanced/hybrid thermal energy storage technology: material, cycle, system and perspective. Renewable and Sustainable Energy Reviews, 2021, 145, 111088.	8.2	68

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19	Dual-electrolyte aluminum/air microfluidic fuel cell with electrolyte-recirculation. <i>Electrochimica Acta</i> , 2021, 388, 138584.	2.6	13
20	Policy mixes and the policy learning process of energy transitions: Insights from the feed-in tariff policy and urban community solar in Hong Kong. <i>Energy Policy</i> , 2021, 157, 112214.	4.2	20
21	Performance Assessment and Working Fluid Selection for Novel Integrated Vapor Compression Cycle and Organic Rankine Cycle for Ultra Low Grade Waste Heat Recovery. <i>Sustainability</i> , 2021, 13, 11592.	1.6	8
22	Screening of novel water/ionic liquid working fluids for absorption thermal energy storage in cooling systems. <i>International Journal of Energy Research</i> , 2020, 44, 9367-9381.	2.2	26
23	A review of non-precious metal single atom confined nanomaterials in different structural dimensions (1D–3D) as highly active oxygen redox reaction electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2222-2245.	5.2	59
24	Thermo-economic and environmental analysis of integrating renewable energy sources in a district heating and cooling network. <i>Energy Efficiency</i> , 2020, 13, 79-100.	1.3	17
25	Boosting Oxygen Reduction of Single Iron Active Sites via Geometric and Electronic Engineering: Nitrogen and Phosphorus Dual Coordination. <i>Journal of the American Chemical Society</i> , 2020, 142, 2404-2412.	6.6	680
26	Kinetic-Oriented Construction of MoS ₂ Synergistic Interface to Boost pH-Universal Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2020, 30, 1908520.	7.8	59
27	A review on independent and integrated/coupled two-phase loop thermosyphons. <i>Applied Energy</i> , 2020, 280, 115885.	5.1	46
28	Hydrogen Evolution Electrocatalysis: Interface Modulation of MoS ₂ /Metal Oxide Heterostructures for Efficient Hydrogen Evolution Electrocatalysis (Small 28/2020). <i>Small</i> , 2020, 16, 2070158.	5.2	2
29	Transient and seasonal performance evaluation of a novel flexible heat pump for solar cooling. <i>Energy Conversion and Management</i> , 2020, 223, 113269.	4.4	13
30	Bubble-like Fe-encapsulated N,S-codoped carbon nanofibers as efficient bifunctional oxygen electrocatalysts for robust Zn-air batteries. <i>Nano Research</i> , 2020, 13, 2175-2182.	5.8	41
31	Activation of peroxymonosulfate and recycled effluent filtration over cathode membrane CNFs-CoFe ₂ O ₄ /PVDF in a photocatalytic fuel cell for water pollution control. <i>Chemical Engineering Journal</i> , 2020, 399, 125731.	6.6	32
32	Interface Modulation of MoS ₂ /Metal Oxide Heterostructures for Efficient Hydrogen Evolution Electrocatalysis. <i>Small</i> , 2020, 16, e2002212.	5.2	68
33	Dynamic characteristics and performance improvement of a high-efficiency double-effect thermal battery for cooling and heating. <i>Applied Energy</i> , 2020, 264, 114768.	5.1	23
34	Trielectrolyte aluminum-air cell with high stability and voltage beyond 2.2ÅV. <i>Materials Today Physics</i> , 2020, 14, 100242.	2.9	13
35	A novel hybrid-energy heat pump with refrigerant injection: Performance characterization and injection optimization. <i>Energy Conversion and Management</i> , 2020, 208, 112584.	4.4	15
36	Designing bifunctional molecular devices with a metalloporphyrin dimer. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 4080-4085.	1.3	5

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37	Bimetallic Mo-Co nanoparticles anchored on nitrogen-doped carbon for enhanced electrochemical nitrogen fixation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9091-9098.	5.2	62
38	A droplet-based electricity generator with high instantaneous power density. <i>Nature</i> , 2020, 578, 392-396.	13.7	871
39	Chillers of air-conditioning systems: An overview. <i>HKIE Transactions</i> , 2020, 27, 113-127.	1.9	1
40	Recycling LiCoO ₂ with methanesulfonic acid for regeneration of lithium-ion battery electrode materials. <i>Journal of Power Sources</i> , 2019, 436, 226828.	4.0	75
41	Electricity generating & high efficiency advanced oxidation process including peroxymonosulfate activation in photocatalytic fuel cell. <i>Chemical Engineering Journal</i> , 2019, 378, 122148.	6.6	40
42	Thermal behaviour of Trombe wall with venetian blind in summer and transition seasons. <i>Energy Procedia</i> , 2019, 158, 1059-1064.	1.8	13
43	La _{0.8} Sr _{0.2} MnO ₃ based perovskite with A-site deficiencies as high performance bifunctional electrocatalyst for oxygen reduction and evolution reaction in alkaline. <i>Energy Procedia</i> , 2019, 158, 5804-5810.	1.8	12
44	NiFe layered double hydroxide/BiVO ₄ photoanode based dual-photoelectrode photocatalytic fuel cell for enhancing degradation of azo dye and electricity generation. <i>Energy Procedia</i> , 2019, 158, 2188-2195.	1.8	16
45	NiFe-layered double hydroxide decorated BiVO ₄ photoanode based bi-functional solar-light driven dual-photoelectrode photocatalytic fuel cell. <i>Applied Energy</i> , 2019, 255, 113770.	5.1	36
46	Chemical vapor deposition growth of carbon nanotube confined nickel sulfides from porous electrospun carbon nanofibers and their superior lithium storage properties. <i>Nanoscale Advances</i> , 2019, 1, 656-663.	2.2	17
47	Oxidizing solid Co into hollow Co ₃ O ₄ within electrospun (carbon) nanofibers towards enhanced lithium storage performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3024-3030.	5.2	98
48	Microwave-Hydrothermal Synthesis of Hierarchical Sb ₂ WO ₆ Nanostructures as a New Anode Material for Sodium Storage. <i>ChemistrySelect</i> , 2019, 4, 1078-1083.	0.7	12
49	Development of clustering-based sensor fault detection and diagnosis strategy for chilled water system. <i>Energy and Buildings</i> , 2019, 186, 17-36.	3.1	38
50	Solar-light-driven rapid water disinfection by ultrathin magnesium titanate/carbon nitride hybrid photocatalyst: Band structure analysis and role of reactive oxygen species. <i>Applied Catalysis B: Environmental</i> , 2019, 257, 117898.	10.8	42
51	Micro/nanostructured MnCo ₂ O _{4.5} anodes with high reversible capacity and excellent rate capability for next generation lithium-ion batteries. <i>Applied Energy</i> , 2019, 252, 113452.	5.1	13
52	A free-standing 3D nano-composite photo-electrode-Ag/ZnO nanorods arrays on Ni foam effectively degrade berberine. <i>Chemical Engineering Journal</i> , 2019, 373, 179-191.	6.6	57
53	Effective use of venetian blind in Trombe wall for solar space conditioning control. <i>Applied Energy</i> , 2019, 250, 452-460.	5.1	57
54	Experimental study on the temperature management behaviours of a controllable loop thermosyphon. <i>Energy Conversion and Management</i> , 2019, 195, 436-446.	4.4	17

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55	Confined annealing-induced transformation of tin oxide into sulfide for sodium storage applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11877-11885.	5.2	18
56	SLIPS-TENG: robust triboelectric nanogenerator with optical and charge transparency using a slippery interface. <i>National Science Review</i> , 2019, 6, 540-550.	4.6	110
57	Numerical analysis of a novel household refrigerator with controllable loop thermosyphons. <i>International Journal of Refrigeration</i> , 2019, 104, 134-143.	1.8	6
58	Highly efficient AgBr/BiVO ₄ photoanode for photocatalytic fuel cell. <i>Materials Letters</i> , 2019, 236, 394-397.	1.3	39
59	Janus effect of O ₂ plasma modification on the electrocatalytic hydrogen evolution reaction of MoS ₂ . <i>Journal of Catalysis</i> , 2018, 361, 384-392.	3.1	40
60	Barriers to adopting solar photovoltaic systems in Hong Kong. <i>Energy and Environment</i> , 2018, 29, 649-663.	2.7	8
61	A novel and facile solvothermal-and-hydrothermal method for synthesis of uniform BiVO ₄ film with high photoelectrochemical performance. <i>Journal of Alloys and Compounds</i> , 2018, 732, 593-602.	2.8	18
62	Solar photocatalytic asphalt for removal of vehicular NO _x : A feasibility study. <i>Applied Energy</i> , 2018, 225, 535-541.	5.1	43
63	Nitrogen-doped graphene derived from ionic liquid as metal-free catalyst for oxygen reduction reaction and its mechanisms. <i>Applied Energy</i> , 2018, 225, 513-521.	5.1	52
64	Barriers and policy enablers for solar photovoltaics (PV) in cities: Perspectives of potential adopters in Hong Kong. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 92, 921-936.	8.2	77
65	Atomic layer deposition of TiO ₂ shells on MoO ₃ nanobelts allowing enhanced lithium storage performance. <i>Chemical Communications</i> , 2018, 54, 7782-7785.	2.2	45
66	Cobalt free SrFe _{0.95} Nb _{0.05} O _{3-λ} cathode material for proton-conducting solid oxide fuel cells with BaZr _{0.1} Ce _{0.7} Y _{0.2} O _{3-λ} electrolyte. <i>Materials Letters</i> , 2017, 200, 75-78.	1.3	20
67	Controlling charge transfer in quantum-size titania for photocatalytic applications. <i>Applied Catalysis B: Environmental</i> , 2017, 215, 85-92.	10.8	52
68	Engineering stepped edge surface structures of MoS ₂ sheet stacks to accelerate the hydrogen evolution reaction. <i>Energy and Environmental Science</i> , 2017, 10, 593-603.	15.6	284
69	Nanohybridization of MoS ₂ with Layered Double Hydroxides Efficiently Synergizes the Hydrogen Evolution in Alkaline Media. <i>Joule</i> , 2017, 1, 383-393.	11.7	386
70	Optimal design of current collectors for microfluidic fuel cell with flow-through porous electrodes: Model and experiment. <i>Applied Energy</i> , 2017, 206, 413-424.	5.1	32
71	Design Principles of Current Collectors in Microfluidic Fuel Cell with Flow-through Porous Electrodes. <i>Energy Procedia</i> , 2017, 105, 1557-1563.	1.8	5
72	Phenyl Hypophosphorous Acid-Assisted Synthesis of Carbon-Modified Anatase-Brookite Bicrystal TiO ₂ Nanoparticles with Enhanced Visible-Light Photocatalytic Performance. <i>ChemistrySelect</i> , 2017, 2, 6109-6117.	0.7	1

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73	Oxygen Reduction Reaction Mechanism of Nitrogen-Doped Graphene Derived from Ionic Liquid. Energy Procedia, 2017, 142, 1319-1326.	1.8	11
74	Advanced Solar Photocatalytic Asphalt for Removal of Vehicular NO x. Energy Procedia, 2017, 143, 811-816.	1.8	18
75	Thermodynamic and Thermo-economic Analysis of Integrated Organic Rankine Cycle for Waste Heat Recovery from Vapor Compression Refrigeration Cycle. Energy Procedia, 2017, 143, 192-198.	1.8	32
76	Recent Development of Plasmonic Resonance-Based Photocatalysis and Photovoltaics for Solar Utilization. Molecules, 2016, 21, 180.	1.7	54
77	Synthesis of SnSb-embedded carbon-silica fibers via electrospinning: Effect of TEOS on structural evolutions and electrochemical properties. Materials Today Energy, 2016, 1-2, 24-32.	2.5	39
78	Effect of composites based nickel foam anode in microbial fuel cell using Acetobacter aceti and Gluconobacter roseus as a biocatalysts. Bioresource Technology, 2016, 217, 113-120.	4.8	43
79	Plasma-grafted anion-exchange membrane preparation and process analysis. Electrochimica Acta, 2016, 204, 218-226.	2.6	20
80	Vanadium microfluidic fuel cell with novel multi-layer flow-through porous electrodes: Model, simulations and experiments. Applied Energy, 2016, 177, 729-739.	5.1	47
81	Dimensionless parametric sensitivity analysis of microfluidic fuel cell with flow-through porous electrodes. Electrochimica Acta, 2016, 187, 636-645.	2.6	20
82	Understanding the performance of optofluidic fuel cells: Experimental and theoretical analyses. Chemical Engineering Journal, 2016, 283, 1455-1464.	6.6	17
83	Interfacial electron transfer and bioelectrocatalysis of carbonized plant material as effective anode of microbial fuel cell. Electrochimica Acta, 2015, 157, 314-323.	2.6	134
84	In situ photogalvanic acceleration of optofluidic kinetics: a new paradigm for advanced photocatalytic technologies. RSC Advances, 2015, 5, 791-796.	1.7	1
85	Partial modification of flow-through porous electrodes in microfluidic fuel cell. Energy, 2015, 88, 563-571.	4.5	34
86	The self-assembly synthesis of tungsten oxide quantum dots with enhanced optical properties. Journal of Materials Chemistry C, 2015, 3, 3280-3285.	2.7	74
87	Facile Synthesis of Nitrogen and Sulfur Codoped Carbon from Ionic Liquid as Metal-Free Catalyst for Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2015, 7, 7214-7221.	4.0	57
88	Performance Evaluation of a Wind Power-Augmented Device on an Onsite Exhaust Air Energy Recovery Wind Turbine. Advanced Materials Research, 2014, 935, 126-129.	0.3	0
89	A high-capacity dual-electrolyte aluminum/air electrochemical cell. RSC Advances, 2014, 4, 30857-30863.	1.7	44
90	A Theoretical Study on Photocatalytic Fuel Cell. Energy Procedia, 2014, 61, 246-249.	1.8	13

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91	Development and characteristics of a membraneless microfluidic fuel cell array. <i>Electrochimica Acta</i> , 2014, 135, 467-477.	2.6	55
92	Electrochemical Reduction of Carbon Dioxide to Formic Acid. <i>ChemElectroChem</i> , 2014, 1, 836-849.	1.7	206
93	In situ deposition of Ag ₂ S hybrid nanoparticles onto TiO ₂ nanotube arrays towards fabrication of photoelectrodes with high visible light photoelectrochemical properties. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 676-680.	1.3	61
94	Facile synthesis and photocatalytic disinfection of boron self-doped TiO ₂ nanosheets. <i>Materials Letters</i> , 2014, 115, 57-59.	1.3	13
95	Synthesis and Characterization of Tin Titanate Nanotubes: Precursors for Nanoparticulate Sn-Doped TiO ₂ Anodes with Synergistically Improved Electrochemical Performance. <i>ChemElectroChem</i> , 2014, 1, 1563-1569.	1.7	39
96	Facile preparation of PdNi/rGO and its electrocatalytic performance towards formic acid oxidation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3894.	5.2	84
97	Facile synthesis of TiO ₂ hollow spheres composed of high percentage of reactive facets for enhanced photocatalytic activity. <i>CrystEngComm</i> , 2014, 16, 10046-10055.	1.3	35
98	Ultrafine single-crystal TiO ₂ nanocubes with mesoporous structure, high activity and durability in visible light driven photocatalysis. <i>Nanoscale</i> , 2014, 6, 897-902.	2.8	51
99	Hydrothermal synthesis and electrochemical properties of tin titanate nanowires coupled with SnO ₂ nanoparticles for Li-ion batteries. <i>CrystEngComm</i> , 2014, 16, 7529-7535.	1.3	19
100	Reply to "Comments on "Hollow Carbon Fibers Derived From Natural Cotton as Effective Sorbents for Oil Spill Cleanup". <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 3413-3413.	1.8	0
101	Solar photocatalytic fuel cell using CdS-TiO ₂ photoanode and air-breathing cathode for wastewater treatment and simultaneous electricity production. <i>Chemical Engineering Journal</i> , 2014, 253, 174-182.	6.6	88
102	A Numerical Study on Microfluidic Fuel Cell: Improving Fuel Utilization and Fuel Operation Concentration. <i>Energy Procedia</i> , 2014, 61, 250-253.	1.8	8
103	A hybrid aluminum/hydrogen/air cell system. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 14801-14809.	3.8	34
104	High photocatalytic activity of immobilized TiO ₂ nanorods on carbonized cotton fibers. <i>Journal of Hazardous Materials</i> , 2013, 263, 659-669.	6.5	38
105	Theoretical Graetz-Damköhler modeling of an air-breathing microfluidic fuel cell. <i>Journal of Power Sources</i> , 2013, 231, 1-5.	4.0	22
106	Enabling high-concentrated fuel operation of fuel cells with microfluidic principles: A feasibility study. <i>Applied Energy</i> , 2013, 112, 1131-1137.	5.1	39
107	Air-breathing membraneless laminar flow-based fuel cells: Do they breathe enough oxygen?. <i>Applied Energy</i> , 2013, 104, 400-407.	5.1	41
108	Energy and exergy analysis of microfluidic fuel cell. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 6526-6536.	3.8	31

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109	Synthesis and photocatalytic activity of boron and fluorine codoped TiO ₂ nanosheets with reactive facets. <i>Applied Energy</i> , 2013, 112, 1190-1197.	5.1	36
110	Hollow Carbon Fibers Derived from Natural Cotton as Effective Sorbents for Oil Spill Cleanup. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 18251-18261.	1.8	88
111	Chemical and transport behaviors in a microfluidic reformer with catalytic-support membrane for efficient hydrogen production and purification. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 2614-2622.	3.8	19
112	Laminar flow-based fuel cell working under critical conditions: The effect of parasitic current. <i>Applied Energy</i> , 2012, 90, 87-93.	5.1	38
113	Energy analysis of hydrogen and electricity production from aluminum-based processes. <i>Applied Energy</i> , 2012, 90, 100-105.	5.1	58
114	Towards orientation-independent performance of membraneless microfluidic fuel cell: Understanding the gravity effects. <i>Applied Energy</i> , 2012, 90, 80-86.	5.1	48
115	Chaotic flow-based fuel cell built on counter-flow microfluidic network: Predicting the over-limiting current behavior. <i>Journal of Power Sources</i> , 2011, 196, 9391-9397.	4.0	53
116	Hydrodynamic focusing in microfluidic membraneless fuel cells: Breaking the trade-off between fuel utilization and current density. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 11075-11084.	3.8	38
117	Can commonly-used fan-driven air cleaning technologies improve indoor air quality? A literature review. <i>Atmospheric Environment</i> , 2011, 45, 4329-4343.	1.9	213
118	Photocatalytic destruction of air pollutants with vacuum ultraviolet (VUV) irradiation. <i>Catalysis Today</i> , 2011, 175, 310-315.	2.2	59
119	Urban heat island and its effect on the cooling and heating demands in urban and suburban areas of Hong Kong. <i>Theoretical and Applied Climatology</i> , 2011, 103, 441-450.	1.3	27
120	A computational study of bifunctional oxygen electrode in air-breathing reversible microfluidic fuel cells. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 9231-9241.	3.8	27
121	Density-induced asymmetric pair of Dean vortices and its effects on mass transfer in a curved microchannel with two-layer laminar stream. <i>Chemical Engineering Journal</i> , 2011, 171, 216-223.	6.6	21
122	Modeling and analysis of an aluminum-water electrochemical generator for simultaneous production of electricity and hydrogen. <i>International Journal of Energy Research</i> , 2011, 35, 44-51.	2.2	9
123	Coating-by-parts method for experimental study of internal mechanisms of water gas shift fuel processor. <i>International Journal of Energy Research</i> , 2011, 35, 31-39.	2.2	3
124	Parametric study of a fan-bladed micro-wind turbine. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2011, 225, 1120-1131.	0.8	3
125	Template-free synthesis of hierarchical porous SnO ₂ . <i>Journal of Sol-Gel Science and Technology</i> , 2010, 53, 499-503.	1.1	8
126	Hydrogen Production over Titania-Based Photocatalysts. <i>ChemSusChem</i> , 2010, 3, 681-694.	3.6	404

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127	A review on biodiesel production using catalyzed transesterification. Applied Energy, 2010, 87, 1083-1095.	5.1	1,935
128	WO ₃ Doping Effects on the Photoelectrocatalytic Activity of TiO ₂ Nanotube Film Prepared by an Anodization Process. Materials Research Society Symposia Proceedings, 2010, 1258, 1.	0.1	1
129	An Efficient Bismuth Tungstate Visible-Light-Driven Photocatalyst for Breaking Down Nitric Oxide. Environmental Science & Technology, 2010, 44, 4276-4281.	4.6	170
130	Modeling of Parasitic Hydrogen Evolution Effects in an Aluminum-Air Cell. Energy & Fuels, 2010, 24, 3748-3753.	2.5	21
131	Occupational safety and health management for the recycling industry. , 2009, , .		0
132	An efficient approach to transient turbulent dispersion modeling by CFD—statistical analysis of a many-puff system. Fluid Dynamics Research, 2009, 41, 035512.	0.6	1
133	Electrochemical modeling and parametric study of methane fed solid oxide fuel cells. Energy Conversion and Management, 2009, 50, 268-278.	4.4	72
134	Ammonia-fed solid oxide fuel cells for power generation-A review. International Journal of Energy Research, 2009, 33, 943-959.	2.2	101
135	Integrating chemical kinetics with CFD modeling for autothermal reforming of biogas. International Journal of Hydrogen Energy, 2009, 34, 9076-9086.	3.8	35
136	A review on hydrogen production using aluminum and aluminum alloys. Renewable and Sustainable Energy Reviews, 2009, 13, 845-853.	8.2	443
137	A review of biomass-derived fuel processors for fuel cell systems. Renewable and Sustainable Energy Reviews, 2009, 13, 1301-1313.	8.2	252
138	An overview of emissions trading and its prospects in Hong Kong. Environmental Science and Policy, 2009, 12, 92-101.	2.4	24
139	Theoretical and experimental studies of heat transfer with moving phase-change interface in freezing and thawing of porous potting soil. Journal of Zhejiang University: Science A, 2009, 10, 1-6.	1.3	5
140	The influence of sintering conditions on the dielectric and piezoelectric properties of PbZrTiO ₃ -PbMgNbO ₃ ceramic tubes. Journal of Alloys and Compounds, 2009, 470, 465-469.	2.8	13
141	Theoretical analysis of reversible solid oxide fuel cell based on proton-conducting electrolyte. Journal of Power Sources, 2008, 177, 369-375.	4.0	54
142	Technological development of hydrogen production by solid oxide electrolyzer cell (SOEC). International Journal of Hydrogen Energy, 2008, 33, 2337-2354.	3.8	576
143	Modeling of Electrochemistry and Heat/Mass Transfer in a Tubular Solid Oxide Steam Electrolyzer for Hydrogen Production. Chemical Engineering and Technology, 2008, 31, 1319-1327.	0.9	6
144	Theoretical modelling of the electrode thickness effect on maximum power point of dye-sensitized solar cell. Canadian Journal of Chemical Engineering, 2008, 86, 35-42.	0.9	57

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145	Modeling of methane fed solid oxide fuel cells: Comparison between proton conducting electrolyte and oxygen ion conducting electrolyte. <i>Journal of Power Sources</i> , 2008, 183, 133-142.	4.0	67
146	Importance of pressure gradient in solid oxide fuel cell electrodes for modeling study. <i>Journal of Power Sources</i> , 2008, 183, 668-673.	4.0	20
147	Electrochemical modeling of ammonia-fed solid oxide fuel cells based on proton conducting electrolyte. <i>Journal of Power Sources</i> , 2008, 183, 687-692.	4.0	47
148	Thermodynamic analysis of ammonia fed solid oxide fuel cells: Comparison between proton-conducting electrolyte and oxygen ion-conducting electrolyte. <i>Journal of Power Sources</i> , 2008, 183, 682-686.	4.0	84
149	An improved electrochemical model for the NH ₃ fed proton conducting solid oxide fuel cells at intermediate temperatures. <i>Journal of Power Sources</i> , 2008, 185, 233-240.	4.0	41
150	Electrochemical modeling of hydrogen production by proton-conducting solid oxide steam electrolyzer. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 4040-4047.	3.8	62
151	Mathematical modeling of ammonia-fed solid oxide fuel cells with different electrolytes. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 5765-5772.	3.8	72
152	Energy and exergy analysis of hydrogen production by a proton exchange membrane (PEM) electrolyzer plant. <i>Energy Conversion and Management</i> , 2008, 49, 2748-2756.	4.4	424
153	Micro-Scale Modeling of a Functionally Graded Ni-YSZ Anode. <i>Chemical Engineering and Technology</i> , 2007, 30, 587-592.	0.9	25
154	Mathematical Modelling of Proton-Conducting Solid Oxide Fuel Cells and Comparison with Oxygen-Ion-Conducting Counterpart. <i>Fuel Cells</i> , 2007, 7, 269-278.	1.5	72
155	Visible-light-assisted photocatalytic degradation of gaseous formaldehyde by parallel-plate reactor coated with Cr ion-implanted TiO ₂ thin film. <i>Solar Energy Materials and Solar Cells</i> , 2007, 91, 54-61.	3.0	59
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