

# Dennis Yc Leung

## List of Publications by Year in descending order

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292  
papers

31,557  
citations

7069

78  
h-index

4628

170  
g-index

297  
all docs

297  
docs citations

297  
times ranked

31511  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aluminum-air battery with cotton substrate: Controlling the discharge capacity by electrolyte pre-deposition. <i>Green Energy and Environment</i> , 2023, 8, 757-766.	4.7	5
2	Solid-state Al-air battery with an ethanol gel electrolyte. <i>Green Energy and Environment</i> , 2023, 8, 1117-1127.	4.7	12
3	Paper-based aqueous Al ion battery with water-in-salt electrolyte. <i>Green Energy and Environment</i> , 2023, 8, 1380-1388.	4.7	5
4	Accelerated oxidation of VOCs via vacuum ultraviolet photolysis coupled with wet scrubbing process. <i>Journal of Environmental Sciences</i> , 2023, 134, 55-64.	3.2	5
5	UV light-induced oxygen doping in graphitic carbon nitride with suppressed deep trapping for enhancement in CO <sub>2</sub> photoreduction activity. <i>Journal of Materials Science and Technology</i> , 2023, 133, 135-144.	5.6	13
6	Integrating micro metal-air batteries in lateral flow test for point-of-care applications. <i>International Journal of Energy Research</i> , 2022, 46, 137-146.	2.2	7
7	Mechanistic study of vacuum UV catalytic oxidation for toluene degradation over CeO <sub>2</sub> nanorods. <i>Green Energy and Environment</i> , 2022, 7, 533-544.	4.7	10
8	Construction of a novel Ag/Ag <sub>3</sub> PO <sub>4</sub> /MIL-68(In)-NH <sub>2</sub> plasmonic heterojunction photocatalyst for high-efficiency photocatalysis. <i>Journal of Materials Science and Technology</i> , 2022, 101, 37-48.	5.6	39
9	Catalytic ozonation of VOCs at low temperature: A comprehensive review. <i>Journal of Hazardous Materials</i> , 2022, 422, 126847.	6.5	146
10	Non-aqueous Al-ion batteries: cathode materials and corresponding underlying ion storage mechanisms. <i>Rare Metals</i> , 2022, 41, 762-774.	3.6	14
11	Bifunctional Mn <sup>2+</sup> grafted Ultra-small TiO <sub>2</sub> nanoparticles on carbon cloth with efficient toluene degradation in a continuous flow reactor. <i>Chemical Engineering Science</i> , 2022, 250, 117389.	1.9	3
12	Low-cost and efficient Mn/CeO <sub>2</sub> catalyst for photocatalytic VOCs degradation via scalable colloidal solution combustion synthesis method. <i>Journal of Materials Science and Technology</i> , 2022, 116, 169-179.	5.6	13
13	A review of volatile organic compounds (VOCs) degradation by vacuum ultraviolet (VUV) catalytic oxidation. <i>Journal of Environmental Management</i> , 2022, 307, 114559.	3.8	24
14	Ni-Fe Layered Double Hydroxide Nanosheets Supported on Exfoliated Graphite for Efficient Urea Oxidation in Direct Urea Fuel Cells. <i>ChemSusChem</i> , 2022, 15, .	3.6	10
15	High-performance solid-state metal-air batteries with an innovative dual-gel electrolyte. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 15024-15034.	3.8	13
16	Constructing an ohmic junction of copper@ cuprous oxide nanocomposite with plasmonic enhancement for photocatalysis. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 163-176.	5.0	25
17	Photocatalytic reduction of CO <sub>2</sub> and degradation of Bisphenol-S by g-C <sub>3</sub> N <sub>4</sub> /Cu <sub>2</sub> O@Cu S-scheme heterojunction: Study on the photocatalytic performance and mechanism insight. <i>Carbon</i> , 2022, 193, 272-284.	5.4	51
18	Evolution of Discharge Products on Carbon Nanotube Cathodes in Li-O <sub>2</sub> Batteries Unraveled by Molecular Dynamics and Density Functional Theory. <i>ACS Catalysis</i> , 2022, 12, 5048-5059.	5.5	13

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19	Recent developments of titanium dioxide materials for aquatic antifouling application. Journal of Marine Science and Technology, 2021, 26, 301-321.	1.3	16
20	Intimately Contacted Ni <sub>2</sub> P on CdS Nanorods for Highly Efficient Photocatalytic H <sub>2</sub> Evolution: New Phosphidation Route and the Interfacial Separation Mechanism of Charge Carriers. Applied Catalysis B: Environmental, 2021, 281, 119443.	10.8	90
21	Novel Z-scheme Ag-C <sub>3</sub> N <sub>4</sub> /SnS <sub>2</sub> plasmonic heterojunction photocatalyst for degradation of tetracycline and H <sub>2</sub> production. Chemical Engineering Journal, 2021, 405, 126555.	6.6	124
22	Fluorinated TiO <sub>2</sub> coupling with $\pm$ -MnO <sub>2</sub> nanowires supported on different substrates for photocatalytic VOCs abatement under vacuum ultraviolet irradiation. Applied Catalysis B: Environmental, 2021, 280, 119388.	10.8	52
23	Insights into the photocatalysis mechanism of the novel 2D/3D Z-Scheme g-C <sub>3</sub> N <sub>4</sub> /SnS <sub>2</sub> heterojunction photocatalysts with excellent photocatalytic performances. Journal of Hazardous Materials, 2021, 402, 123711.	6.5	33
24	Study on the Photocatalysis Mechanism of the Z-Scheme Cobalt Oxide Nanocubes/Carbon Nitride Nanosheets Heterojunction Photocatalyst with High Photocatalytic Performances. Journal of Hazardous Materials, 2021, 402, 123839.	6.5	23
25	Z-scheme Au decorated carbon nitride/cobalt tetroxide plasmonic heterojunction photocatalyst for catalytic reduction of hexavalent chromium and oxidation of Bisphenol A. Journal of Hazardous Materials, 2021, 410, 124539.	6.5	52
26	Towards the digitalisation of porous energy materials: evolution of digital approaches for microstructural design. Energy and Environmental Science, 2021, 14, 2549-2576.	15.6	34
27	Synergetic effect of vacuum ultraviolet photolysis and ozone catalytic oxidation for toluene degradation over MnO <sub>2</sub> -rGO composite catalyst. Chemical Engineering Science, 2021, 231, 116288.	1.9	38
28	High-Performance Aqueous Na <sup>+</sup> /Zn Hybrid Ion Battery Boosted by $\alpha$ -Water <sup>+</sup> -Gel <sup>+</sup> -Electrolyte. Advanced Functional Materials, 2021, 31, 2008783.	7.8	45
29	A novel Au/g-C <sub>3</sub> N <sub>4</sub> nanosheets/CeO <sub>2</sub> hollow nanospheres plasmonic heterojunction photocatalysts for the photocatalytic reduction of hexavalent chromium and oxidation of oxytetracycline hydrochloride. Chemical Engineering Journal, 2021, 409, 128185.	6.6	74
30	Flexible direct formate paper fuel cells with high performance and great durability. Journal of Power Sources, 2021, 490, 229526.	4.0	24
31	Microfluidic fuel cells with different types of fuels: A prospective review. Renewable and Sustainable Energy Reviews, 2021, 141, 110806.	8.2	61
32	High-Energy SWCNT Cathode for Aqueous Al <sup>+</sup> Ion Battery Boosted by Multi-Ion Intercalation Chemistry. Advanced Energy Materials, 2021, 11, 2101514.	10.2	23
33	High-Performance MnO <sub>2</sub> /Al Battery with In Situ Electrochemically Reformed Al <sub>x</sub> MnO <sub>2</sub> Nanosphere Cathode. Small Methods, 2021, 5, e2100491.	4.6	25
34	A novel Z-scheme CeO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> heterojunction photocatalyst for degradation of Bisphenol A and hydrogen evolution and insight of the photocatalysis mechanism. Journal of Materials Science and Technology, 2021, 85, 18-29.	5.6	75
35	Doubling the power output of a Mg-air battery with an acid-salt dual-electrolyte configuration. Journal of Power Sources, 2021, 506, 230144.	4.0	18
36	A printed paper-based Zn-air/Ag hybrid battery with switchable working modes. Electrochimica Acta, 2021, 396, 139237.	2.6	6

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37	High-Energy SWCNT Cathode for Aqueous Al-Ion Battery Boosted by Multi-Ion Intercalation Chemistry (Adv. Energy Mater. 39/2021). Advanced Energy Materials, 2021, 11, 2170155.	10.2	1
38	Efficient photocatalytic oxidation of gaseous toluene over F-doped TiO <sub>2</sub> in a wet scrubbing process. Chemical Engineering Journal, 2020, 386, 121025.	6.6	51
39	Highly enhanced performance of heterojunction Bi <sub>2</sub> S <sub>3</sub> /BiVO <sub>4</sub> photoanode for photoelectrocatalytic hydrogen production under solar light irradiation. Chemical Engineering Science, 2020, 211, 115266.	1.9	27
40	Printing Al-air batteries on paper for powering disposable printed electronics. Journal of Power Sources, 2020, 450, 227685.	4.0	26
41	Graphene materials in green energy applications: Recent development and future perspective. Renewable and Sustainable Energy Reviews, 2020, 120, 109656.	8.2	100
42	Powering future body sensor network systems: A review of power sources. Biosensors and Bioelectronics, 2020, 166, 112410.	5.3	55
43	Boosting cell performance and fuel utilization efficiency in a solar assisted methanol microfluidic fuel cell. International Journal of Hydrogen Energy, 2020, 45, 21796-21807.	3.8	13
44	Mechanistic insights into toluene degradation under VUV irradiation coupled with photocatalytic oxidation. Journal of Hazardous Materials, 2020, 399, 122967.	6.5	48
45	Carbon doped ultra-small TiO <sub>2</sub> coated on carbon cloth for efficient photocatalytic toluene degradation under visible LED light irradiation. Applied Surface Science, 2020, 527, 146780.	3.1	27
46	The efficacy of vacuum-ultraviolet light disinfection of some common environmental pathogens. BMC Infectious Diseases, 2020, 20, 127.	1.3	54
47	In-situ synthesis of heterojunction TiO <sub>2</sub> /MnO <sub>2</sub> nanostructure with excellent performance in vacuum ultraviolet photocatalytic oxidation of toluene. Applied Catalysis B: Environmental, 2019, 259, 118034.	10.8	57
48	Liquid-free Al-air batteries with paper-based gel electrolyte: A green energy technology for portable electronics. Journal of Power Sources, 2019, 437, 226896.	4.0	38
49	Enhanced photoelectrocatalytic hydrogen production via Bi/BiVO <sub>4</sub> photoanode under visible light irradiation. Applied Catalysis B: Environmental, 2019, 258, 117954.	10.8	50
50	Combining Al-air battery with paper-making industry, a novel type of flexible primary battery technology. Electrochimica Acta, 2019, 319, 947-957.	2.6	46
51	A low-cost and dendrite-free rechargeable aluminium-ion battery with superior performance. Journal of Materials Chemistry A, 2019, 7, 17420-17425.	5.2	111
52	GO-modified flexible polymer nanocomposites fabricated via 3D stereolithography. Frontiers of Chemical Science and Engineering, 2019, 13, 736-743.	2.3	21
53	TiO <sub>2</sub> nanotube arrays modified with nanoparticles of platinum group metals (Pt, Pd, Ru): enhancement on photoelectrochemical performance. Journal of Nanoparticle Research, 2019, 21, 1.	0.8	24
54	Titanium oxide based photocatalytic materials development and their role of in the air pollutants degradation: Overview and forecast. Environment International, 2019, 125, 200-228.	4.8	208

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55	Parametric study and optimization of a low-cost paper-based Al-air battery with corrosion inhibition ability. <i>Applied Energy</i> , 2019, 251, 113342.	5.1	60
56	A flexible paper-based hydrogen fuel cell for small power applications. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 29680-29691.	3.8	40
57	Simultaneous removal of tetracycline and Cr(VI) by a novel three-dimensional AgI/BiVO <sub>4</sub> p-n junction photocatalyst and insight into the photocatalytic mechanism. <i>Chemical Engineering Journal</i> , 2019, 369, 716-725.	6.6	153
58	Wet scrubber coupled with heterogeneous UV/Fenton for enhanced VOCs oxidation over Fe/ZSM-5 catalyst. <i>Chemosphere</i> , 2019, 227, 401-408.	4.2	28
59	Vacuum ultraviolet (VUV)-based photocatalytic oxidation for toluene degradation over pure CeO <sub>2</sub> . <i>Chemical Engineering Science</i> , 2019, 200, 203-213.	1.9	42
60	BTZ-copolymer loaded graphene aerogel as new type Green and metal-free visible light photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2019, 240, 50-63.	10.8	20
61	Wet scrubber coupled with UV/PMS process for efficient removal of gaseous VOCs: Roles of sulfate and hydroxyl radicals. <i>Chemical Engineering Journal</i> , 2019, 356, 632-640.	6.6	86
62	Toward a mechanistic understanding of microfluidic droplet-based extraction and separation of lanthanides. <i>Chemical Engineering Journal</i> , 2019, 356, 673-679.	6.6	26
63	Novel Ag/p-AgBr/n-BiVO <sub>4</sub> Plasmonic Heterojunction Photocatalyst: Study on the Excellent Photocatalytic Performance and Photocatalytic Mechanism. <i>ACS Applied Energy Materials</i> , 2019, 2, 694-704.	2.5	44
64	Efficient MnOx/SiO <sub>2</sub> @AC catalyst for ozone-catalytic oxidation of gaseous benzene at ambient temperature. <i>Applied Surface Science</i> , 2019, 470, 439-447.	3.1	37
65	A novel Z-scheme Ag <sub>3</sub> VO <sub>4</sub> /BiVO <sub>4</sub> heterojunction photocatalyst: Study on the excellent photocatalytic performance and photocatalytic mechanism. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 448-458.	10.8	322
66	Study the photocatalytic mechanism of the novel Ag/p-Ag <sub>2</sub> O/n-BiVO <sub>4</sub> plasmonic photocatalyst for the simultaneous removal of BPA and chromium(VI). <i>Chemical Engineering Journal</i> , 2019, 361, 1352-1362.	6.6	110
67	A dual fuel microfluidic fuel cell utilizing solar energy and methanol. <i>Journal of Power Sources</i> , 2019, 409, 58-65.	4.0	33
68	Innovative paper-based Al-air batteries as a low-cost and green energy technology for the miniwatt market. <i>Journal of Power Sources</i> , 2019, 414, 278-282.	4.0	53
69	g-C <sub>3</sub> N <sub>4</sub> photoanode for photoelectrocatalytic synergistic pollutant degradation and hydrogen evolution. <i>Applied Surface Science</i> , 2019, 467-468, 658-665.	3.1	82
70	Toluene degradation over Mn-TiO <sub>2</sub> /CeO <sub>2</sub> composite catalyst under vacuum ultraviolet (VUV) irradiation. <i>Chemical Engineering Science</i> , 2019, 195, 985-994.	1.9	39
71	Synergetic degradation of VOCs by vacuum ultraviolet photolysis and catalytic ozonation over Mn-xCe/ZSM-5. <i>Journal of Hazardous Materials</i> , 2019, 364, 770-779.	6.5	74
72	Graphene-carbon nanotube composite aerogel with Ru@Pt nanoparticle as a porous electrode for direct methanol microfluidic fuel cell. <i>Applied Energy</i> , 2018, 217, 258-265.	5.1	64

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73	A novel 3D plasmonic p-n heterojunction photocatalyst: Ag nanoparticles on flower-like p-Ag <sub>2</sub> S/n-BiVO <sub>4</sub> and its excellent photocatalytic reduction and oxidation activities. <i>Applied Catalysis B: Environmental</i> , 2018, 229, 171-180.	10.8	175
74	Heterogeneous activation of peroxymonosulfate over monodispersed Co <sub>3</sub> O <sub>4</sub> /activated carbon for efficient degradation of gaseous toluene. <i>Chemical Engineering Journal</i> , 2018, 341, 383-391.	6.6	99
75	A facile VUV/H <sub>2</sub> O system without auxiliary substances for efficient degradation of gaseous toluene. <i>Chemical Engineering Journal</i> , 2018, 334, 1422-1429.	6.6	41
76	Numerical investigation and optimization of vapor-feed microfluidic fuel cells with high fuel utilization. <i>Electrochimica Acta</i> , 2018, 261, 127-136.	2.6	27
77	Synergistically catalytic oxidation of toluene over Mn modified g-C <sub>3</sub> N <sub>4</sub> /ZSM-4 under vacuum UV irradiation. <i>Journal of Hazardous Materials</i> , 2018, 349, 91-100.	6.5	41
78	A counter-flow-based dual-electrolyte protocol for multiple electrochemical applications. <i>Applied Energy</i> , 2018, 217, 241-248.	5.1	10
79	Microfluidics-based pH-differential reactor for CO <sub>2</sub> utilization: A mathematical study. <i>Applied Energy</i> , 2018, 227, 525-532.	5.1	10
80	Use of Pd-Pt loaded graphene aerogel on nickel foam in direct ethanol fuel cell. <i>Solid State Sciences</i> , 2018, 75, 21-26.	1.5	32
81	Efficient MnO <sub>x</sub> supported on coconut shell activated carbon for catalytic oxidation of indoor formaldehyde at room temperature. <i>Chemical Engineering Journal</i> , 2018, 334, 2050-2057.	6.6	170
82	Promotional role of Mn doping on catalytic oxidation of VOCs over mesoporous TiO <sub>2</sub> under vacuum ultraviolet (VUV) irradiation. <i>Applied Catalysis B: Environmental</i> , 2018, 220, 78-87.	10.8	95
83	Enhanced Performance and Conversion Pathway for Catalytic Ozonation of Methyl Mercaptan on Single-Atom Ag Deposited Three-Dimensional Ordered Mesoporous MnO <sub>2</sub> . <i>Environmental Science &amp; Technology</i> , 2018, 52, 13399-13409.	4.6	134
84	A Direct Ammonia Microfluidic Fuel Cell using NiCu Nanoparticles Supported on Carbon Nanotubes as an Electrocatalyst. <i>ChemSusChem</i> , 2018, 11, 2889-2897.	3.6	50
85	Catalytic oxidation of VOCs over Mn/TiO <sub>2</sub> /activated carbon under 185 nm VUV irradiation. <i>Chemosphere</i> , 2018, 208, 550-558.	4.2	53
86	A mixed-pH dual-electrolyte microfluidic aluminum-air cell with high performance. <i>Applied Energy</i> , 2017, 185, 1303-1308.	5.1	60
87	Polymeric Templating Synthesis of Anatase TiO <sub>2</sub> Nanoparticles from Low-Cost Inorganic Titanium Sources. <i>ChemistrySelect</i> , 2017, 2, 702-706.	0.7	7
88	The applications of graphene-based materials in pollutant control and disinfection. <i>Progress in Solid State Chemistry</i> , 2017, 45-46, 1-8.	3.9	14
89	Mathematical Modelling of the Performance of a Solar Chimney Power Plant with Divergent Chimneys. <i>Energy Procedia</i> , 2017, 110, 440-445.	1.8	13
90	UV/H <sub>2</sub> O <sub>2</sub> : An efficient aqueous advanced oxidation process for VOCs removal. <i>Chemical Engineering Journal</i> , 2017, 324, 44-50.	6.6	95

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91	Effect of Divergent Chimneys on the Performance of a Solar Chimney Power Plant. Energy Procedia, 2017, 105, 7-13.	1.8	12
92	The use of graphene based materials for fuel cell, photovoltaics, and supercapacitor electrode materials. Solid State Sciences, 2017, 67, A1-A14.	1.5	33
93	Numerical modelling and comparison of the performance of diffuser-type solar chimneys for power generation. Applied Energy, 2017, 204, 948-957.	5.1	32
94	Ultra-fine Pt nanoparticles on graphene aerogel as a porous electrode with high stability for microfluidic methanol fuel cell. Journal of Power Sources, 2017, 349, 75-83.	4.0	70
95	Impact of the geometry of divergent chimneys on the power output of a solar chimney power plant. Energy, 2017, 120, 1-11.	4.5	67
96	Microfluidic Aluminum-air Cell with Methanol-based Anolyte. Energy Procedia, 2017, 105, 4691-4697.	1.8	1
97	Numerical Modelling of a Dual Electrolyte Membraneless Electrolytic Cell for CO <sub>2</sub> to Fuel Conversion. Energy Procedia, 2017, 105, 4053-4058.	1.8	2
98	Mesoporous TiO <sub>2</sub> under VUV irradiation: Enhanced photocatalytic oxidation for VOCs degradation at room temperature. Chemical Engineering Journal, 2017, 327, 490-499.	6.6	124
99	Catalytic oxidation of benzene over Mn modified TiO <sub>2</sub> /ZSM-5 under vacuum UV irradiation. Applied Catalysis B: Environmental, 2017, 203, 870-878.	10.8	97
100	A review on unitized regenerative fuel cell technologies, part B: Unitized regenerative alkaline fuel cell, solid oxide fuel cell, and microfluidic fuel cell. Renewable and Sustainable Energy Reviews, 2017, 75, 775-795.	8.2	156
101	Characterization of a microfluidic reactor for CO <sub>2</sub> conversion with electrolyte recycling. Renewable Energy, 2017, 102, 15-20.	4.3	8
102	A high performance dual electrolyte microfluidic reactor for the utilization of CO <sub>2</sub> . Applied Energy, 2017, 194, 549-559.	5.1	63
103	Ru@Pt core shell nanoparticle on graphene carbon nanotube composite aerogel as a flow through anode for direct methanol microfluidic fuel cell. Energy Procedia, 2017, 142, 1522-1527.	1.8	11
104	Numerical Modelling of the Compressible Airflow in a Solar-Waste-Heat Chimney Power Plant. Energy Procedia, 2017, 142, 642-647.	1.8	8
105	An Up-scaling Strategy for Counter-flow Based Microfluidic Network: A Numerical Study. Energy Procedia, 2017, 142, 661-666.	1.8	1
106	Durability and stability of vapor-feed microfluidic fuel cells, a preliminary study. Energy Procedia, 2017, 142, 1340-1345.	1.8	5
107	A Photocatalytic Rotating Disc Reactor with TiO <sub>2</sub> Nanowire Arrays Deposited for Industrial Wastewater Treatment. Molecules, 2017, 22, 337.	1.7	8
108	Recent Development of VUV-Based Processes for Air Pollutant Degradation. Frontiers in Environmental Science, 2016, 4, .	1.5	23

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109	Scaling Up Microfluidic Aluminum-Air Cell with Electrochemical Impedance Spectroscopy (EIS) Assisted Performance Analysis. <i>Journal of the Electrochemical Society</i> , 2016, 163, F1032-F1037.	1.3	9
110	A Low-Cost Mechanically Rechargeable Aluminum-Air Cell for Energy Conversion Using Low-Grade Aluminum Foil. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2016, 13, .	1.1	8
111	Effect of guide wall on the potential of a solar chimney power plant. <i>Renewable Energy</i> , 2016, 96, 209-219.	4.3	29
112	A Switchable pH-differential Reactor with High Reactivity and Efficiency for CO <sub>2</sub> Utilization. <i>Energy Procedia</i> , 2016, 88, 634-641.	1.8	0
113	A review on unitized regenerative fuel cell technologies, part-A: Unitized regenerative proton exchange membrane fuel cells. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 65, 961-977.	8.2	228
114	Impact of Guide Wall Geometry on the Power Output of a Solar Chimney Power Plant. <i>Energy Procedia</i> , 2016, 88, 414-421.	1.8	1
115	A circular stacking strategy for microfluidic fuel cells with volatile methanol fuel. <i>Applied Energy</i> , 2016, 184, 659-669.	5.1	38
116	Toward the scaling up of microfluidic fuel cells, investigation and optimization of the aggravated cathode flooding problem. <i>Electrochimica Acta</i> , 2016, 222, 312-322.	2.6	18
117	Boosting the performance of formic acid microfluidic fuel cell: Oxygen annealing enhanced Pd@graphene electrocatalyst. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 10249-10254.	3.8	22
118	A high-performance aluminum-feed microfluidic fuel cell stack. <i>Journal of Power Sources</i> , 2016, 336, 427-436.	4.0	21
119	A high specific capacity membraneless aluminum-air cell operated with an inorganic/organic hybrid electrolyte. <i>Journal of Power Sources</i> , 2016, 336, 19-26.	4.0	11
120	A pH-differential dual-electrolyte microfluidic electrochemical cells for CO <sub>2</sub> utilization. <i>Renewable Energy</i> , 2016, 95, 277-285.	4.3	49
121	A switchable pH-differential unitized regenerative fuel cell with high performance. <i>Journal of Power Sources</i> , 2016, 314, 76-84.	4.0	28
122	Efficient degradation of gaseous benzene by VUV photolysis combined with ozone-assisted catalytic oxidation: Performance and mechanism. <i>Applied Catalysis B: Environmental</i> , 2016, 186, 62-68.	10.8	92
123	An overview on biogas generation from anaerobic digestion of food waste. <i>International Journal of Green Energy</i> , 2016, 13, 119-131.	2.1	100
124	Photoelectrocatalytic hydrogen generation and simultaneous degradation of organic pollutant via CdSe/TiO <sub>2</sub> nanotube arrays. <i>Applied Surface Science</i> , 2016, 362, 490-497.	3.1	85
125	A Counter-flow Microfluidic Fuel Cell Achieving Concentrated Fuel Operation. <i>Energy Procedia</i> , 2015, 75, 1990-1995.	1.8	7
126	Outdoor-indoor air pollution in urban environment: challenges and opportunity. <i>Frontiers in Environmental Science</i> , 2015, 2, .	1.5	221



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127	A High Performance Dual Electrolyte Aluminium-air Cell. <i>Energy Procedia</i> , 2015, 75, 1983-1989.	1.8	3
128	In situ photogalvanic acceleration of optofluidic kinetics: a new paradigm for advanced photocatalytic technologies. <i>RSC Advances</i> , 2015, 5, 791-796.	1.7	1
129	Low temperature catalytic oxidation of volatile organic compounds: a review. <i>Catalysis Science and Technology</i> , 2015, 5, 2649-2669.	2.1	616
130	Novel urchin-like Fe <sub>2</sub> O <sub>3</sub> @SiO <sub>2</sub> @TiO <sub>2</sub> microparticles with magnetically separable and photocatalytic properties. <i>RSC Advances</i> , 2015, 5, 55363-55371.	1.7	8
131	A vapor feed methanol microfluidic fuel cell with high fuel and energy efficiency. <i>Applied Energy</i> , 2015, 147, 456-465.	5.1	41
132	Counter-flow formic acid microfluidic fuel cell with high fuel utilization exceeding 90%. <i>Applied Energy</i> , 2015, 160, 930-936.	5.1	49
133	Ozone-catalytic oxidation of gaseous benzene over MnO <sub>2</sub> /ZSM-5 at ambient temperature: Catalytic deactivation and its suppression. <i>Chemical Engineering Journal</i> , 2015, 264, 24-31.	6.6	79
134	Enhanced degradation of gaseous benzene under vacuum ultraviolet (VUV) irradiation over TiO <sub>2</sub> modified by transition metals. <i>Chemical Engineering Journal</i> , 2015, 259, 534-541.	6.6	72
135	A Theoretical Study on Photocatalytic Fuel Cell. <i>Energy Procedia</i> , 2014, 61, 246-249.	1.8	13
136	Nitric oxide removal by wastewater bacteria in a biotrickling filter. <i>Journal of Environmental Sciences</i> , 2014, 26, 555-565.	3.2	17
137	Development and characteristics of a membraneless microfluidic fuel cell array. <i>Electrochimica Acta</i> , 2014, 135, 467-477.	2.6	55
138	Electrochemical Reduction of Carbon Dioxide to Formic Acid. <i>ChemElectroChem</i> , 2014, 1, 836-849.	1.7	206
139	Sodium titanate nanowires as a stable and easily handled precursor for the shape controlled synthesis of TiO <sub>2</sub> and their photocatalytic performance. <i>CrystEngComm</i> , 2014, 16, 616-626.	1.3	8
140	An overview of current status of carbon dioxide capture and storage technologies. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 39, 426-443.	8.2	2,253
141	Highly dispersed and active supported Pt nanoparticles for gaseous formaldehyde oxidation: Influence of particle size. <i>Chemical Engineering Journal</i> , 2014, 252, 320-326.	6.6	100
142	A telescopic divergent chimney for power generation based on forced air movement: Principle and theoretical formulation. <i>Applied Energy</i> , 2014, 136, 873-880.	5.1	11
143	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
144	Enhanced photocatalytic degradation of methylene blue under vacuum ultraviolet irradiation. <i>Catalysis Today</i> , 2013, 201, 189-194.	2.2	61

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