

Umi Azmah Hasran

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

987
citations

687363

13
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

1183
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview on the challenges and developments of micro-direct methanol fuel cells (DMFC). <i>Journal of Power Sources</i> , 2007, 163, 743-754.	7.8	347
2	Overview of hybrid membranes for direct-methanol fuel-cell applications. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 2160-2175.	7.1	225
3	A novel hybrid Nafion-PBI-ZP membrane for direct methanol fuel cells. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 14668-14677.	7.1	76
4	Mass transfer and performance of membrane-less micro fuel cell: A review. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 1039-1055.	7.1	64
5	Modeling and simulation of a direct ethanol fuel cell: An overview. <i>Journal of Power Sources</i> , 2014, 262, 401-406.	7.8	57
6	Development of a conceptual design model of a direct ethanol fuel cell (DEFC). <i>International Journal of Hydrogen Energy</i> , 2015, 40, 11943-11948.	7.1	30
7	Applications of graphene nano-sheets as anode diffusion layers in passive direct methanol fuel cells (DMFC). <i>International Journal of Hydrogen Energy</i> , 2017, 42, 9252-9261.	7.1	27
8	Electrochemical kinetic and mass transfer model for direct ethanol alkaline fuel cell (DEAFC). <i>Journal of Power Sources</i> , 2016, 320, 111-119.	7.8	25
9	Unsteady-state modelling for a passive liquid-feed DMFC. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 5759-5769.	7.1	23
10	Membrane-less micro fuel cell system design and performance: An overview. <i>International Journal of Energy Research</i> , 2019, 43, 8956-8972.	4.5	23
11	Optimization of hot pressing parameters in membrane electrode assembly fabrication by response surface method. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 9484-9493.	7.1	22
12	Development of 2D multiphase non-isothermal mass transfer model for DMFC system. <i>Energy</i> , 2018, 152, 263-276.	8.8	22
13	Enhancing methanol oxidation with a TiO ₂ -modified semiconductor as a photo-catalyst. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 8986-8996.	7.1	17
14	Defining Digital Game-Based Learning for Science, Technology, Engineering, and Mathematics: A New Perspective on Design and Developmental Research. <i>Journal of Medical Internet Research</i> , 2021, 23, e20537.	4.3	11
15	Rethinking the Ideology of Using Digital Games to Increase Individual Interest in STEM. <i>Sustainability</i> , 2022, 14, 4519.	3.2	7
16	Development of optimisation model for direct methanol fuel cells via cell integrated network. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 30606-30617.	7.1	5
17	A simple thermal oxidation technique and KOH wet etching process for fuel cell flow field fabrication. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 5136-5142.	7.1	3
18	Beyond Play: Conceptualising the Capability of a Good Digital Game to Stimulate Interest in STEM. <i>International Journal of Learning, Teaching and Educational Research</i> , 2021, 20, 232-255.	0.6	3