

Umi Azmah Hasran

List of Publications by Year in descending order

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