

Raihan Othman

List of Publications by Year in descending order

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31
papers

525
citations

1307594

7
h-index

888059

17
g-index

31
all docs

31
docs citations

31
times ranked

681
citing authors

#	ARTICLE	IF	CITATIONS
1	MAGNETICALLY MODIFIED SUGARCANE BAGASSE BIOCHAR AS CADMIUM REMOVAL AGENT IN WATER. IJUM Engineering Journal, 2022, 23, 294-309.	0.8	2
2	Self-Sustaining Bioelectrochemical Cell from Fungal Degradation of Lignin-Rich Agrowaste. Energies, 2021, 14, 2098.	3.1	4
3	Effect of acceptor impurity (Cu and Al) in Zn ₄ Sb ₃ thermoelectric materials via hot-isostatic pressing (HIP) method. AIP Conference Proceedings, 2019, , .	0.4	0
4	A study on controllable aluminium doped zinc oxide patterning by chemical etching for MEMS application. Microsystem Technologies, 2017, 23, 3851-3862.	2.0	7
5	Traditional Malay Black Ink: An Analysis of Its Recipes and Characteristics. Advanced Science Letters, 2017, 23, 6189-6193.	0.2	2
6	Single-route synthesis of magnetic biochar from sugarcane bagasse by microwave-assisted pyrolysis. Materials Letters, 2016, 184, 315-319.	2.6	52
7	Dependence of preferred c-axis orientation on RF magnetron sputtering power for AZO/Si acoustic wave devices. , 2015, , .		3
8	Piezoelectric thin films for double electrode CMOS MEMS surface acoustic wave (SAW) resonator. Microsystem Technologies, 2015, 21, 1931-1940.	2.0	7
9	Influence of Buffer Electrolyte and pH on the Electrochemical Performance of Glucose Oxidase-Laccase Biofuel Cell. Journal of Biobased Materials and Bioenergy, 2013, 7, 194-197.	0.3	1
10	Fabrication of aluminium doped zinc oxide piezoelectric thin film on a silicon substrate for piezoelectric MEMS energy harvesters. Microsystem Technologies, 2012, 18, 1761-1769.	2.0	41
11	Solid state, dry zinc/MCM-41/air cell as relative humidity sensor. Journal of Membrane Science, 2012, 415-416, 237-241.	8.2	4
12	Gel-like properties of MCM-41 material and its transformation to MCM-50 in a caustic alkaline surround. Materials Research Bulletin, 2012, 47, 732-736.	5.2	13
13	High Discharge Rate Electrodeposited Zinc Electrode for Use in Alkaline Microbattery. IJUM Engineering Journal, 2012, 12, .	0.8	0
14	Design, simulation and fabrication of piezoelectric micro generators for aero acoustic applications. Microsystem Technologies, 2011, 17, 563-573.	2.0	7
15	MCM-41 as a new separator material for electrochemical cell: Application in zinc-air system. Journal of Membrane Science, 2011, 367, 152-157.	8.2	48
16	High energy density zinc-air microbattery utilising inorganic MCM-41 membrane. Materials Research Innovations, 2011, 15, s114-s117.	2.3	4
17	Zinc-Laccase Biofuel Cell. IJUM Engineering Journal, 2011, 12, .	0.8	2
18	Ionic conductivity studies of poly(vinyl alcohol) alkaline solid polymer electrolyte and its use in nickel-zinc cells. Solid State Ionics, 2003, 156, 171-177.	2.7	190

#	ARTICLE	IF	CITATIONS
19	Title is missing!. Journal of Applied Electrochemistry, 2002, 32, 1347-1353.	2.9	40
20	Hydroponics gel as a new electrolyte gelling agent for alkaline zinc-air cells. Journal of Power Sources, 2001, 103, 34-41.	7.8	81
21	Performance Characteristics of Bipolar Zn/MCM-41/ MnO ₂ Cell. Advanced Materials Research, 0, 512-515, 1055-1058.	0.3	0
22	Internal Oxidation of Ni-Cr-Al Alloys under Various Oxygen Partial Pressures at 1273 K. Advanced Materials Research, 0, 576, 429-433.	0.3	1
23	Zn/MCM-41/MnO ₂ ; Leclanché Button Cell R2025 for Low Rate Applications. Advanced Materials Research, 0, 576, 374-377.	0.3	1
24	Optimization of Zinc Oxide Thin Films for Silicon Surface Acoustic Wave Resonator Applications. Advanced Materials Research, 0, 518-523, 3772-3779.	0.3	2
25	Freely-Suspended, Single Chamber Glucose Oxidase-Laccase Enzymatic Fuel Cell. Advanced Materials Research, 0, 512-515, 1499-1502.	0.3	1
26	Bioenergy from <i>Gloeophyllum</i> & <i>Rhizopus</i> ; Fungal Biofuel Cell. Advanced Materials Research, 0, 512-515, 1461-1465.	0.3	4
27	Evaluation of Porous Electrode Properties Using Metal-Air Electrochemical System. Advanced Materials Research, 0, 512-515, 1619-1623.	0.3	0
28	Effect of Bath Formulation and Plating Current Density on Electrodeposited Zinc Anode's Capacity in Zinc-Air Cell. Advanced Materials Research, 0, 576, 484-487.	0.3	0
29	Characterization of Zn _x Cd _{1-x} O Nanorods for PV Applications. Applied Mechanics and Materials, 0, 372, 123-127.	0.2	0
30	Comparative Electrochemical Performance Characteristics of Aluminium-Air Cell Employing Seawater and NaCl Electrolytes. Advanced Materials Research, 0, 701, 314-318.	0.3	8
31	Formation of Hydrophobic Surface Using Two Stages Electrodeposition Method. Advanced Materials Research, 0, 1115, 226-229.	0.3	0