

Chee Ming Lim

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

738
citations

567144

15
h-index

580701

25
g-index

26
all docs

26
docs citations

26
times ranked

1009
citing authors

#	ARTICLE	IF	CITATIONS
1	The Use of <i>Gigantochloa</i> Bamboo-Derived Biochar for the Removal of Methylene Blue from Aqueous Solution. Adsorption Science and Technology, 2022, 2022, .	1.5	36
2	Design of crossing metallic metasurface arrays based on high sensitivity of gap enhancement and transmittance shift for plasmonic sensing applications. Journal Physics D: Applied Physics, 2017, 50, 045105.	1.3	37
3	Recent progress and utilization of natural pigments in dye sensitized solar cells: A review. Renewable and Sustainable Energy Reviews, 2017, 78, 301-317.	8.2	156
4	Plasmonic effects arising from a grooved surface of a gold nanorod. Journal Physics D: Applied Physics, 2017, 50, 125302.	1.3	8
5	Effects of ionic radii of co-dopants (Mg, Ca, Al and La) in TiO ₂ on performance of dye-sensitized solar cells. Solar Energy, 2017, 141, 249-255.	2.9	27
6	Tailoring surface plasmon resonance and dipole cavity plasmon modes of scattering cross section spectra on the single solid-gold/gold-shell nanorod. Journal of Applied Physics, 2016, 120, .	1.1	49
7	Matching the Characteristics of Low Wind Speed Turbines with Candidate Wind Regimes. Energy Procedia, 2016, 95, 286-293.	1.8	9
8	An analysis of DSSC performance based on nanosphere, nanorod, and nanoparticle anode morphologies. Journal of Applied Physics, 2016, 120, .	1.1	2
9	Tunable Optical Performances on a Periodic Array of Plasmonic Bowtie Nanoantennas with Hollow Cavities. Nanoscale Research Letters, 2016, 11, 411.	3.1	47
10	Tunable silver-shell dielectric core nano-beads array for thin-film solar cell application. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	28
11	Structural and electrochemical characterization of BaCe _{0.7} Zr _{0.2} Y _{0.05} Zn _{0.05} O ₃ as an electrolyte for SOFC-H. IOP Conference Series: Materials Science and Engineering, 2016, 121, 012006.	0.3	2
12	Comparative study of low-frequency noise in 0.18 μm and 0.35 μm gate-length nMOSFETs with gate area of 1.1 μm^2 . Microelectronics Reliability, 2016, 60, 10-15.	0.9	2
13	Synthesis of nanostructured $\text{Ni}(\text{OH})_2$ by electrochemical dissolution-precipitation and its application as a water oxidation catalyst. Nanotechnology, 2016, 27, 275401.	1.3	19
14	Properties of nickel films growth by radio frequency magnetron sputtering at elevated substrate temperatures. Thin Solid Films, 2016, 612, 82-86.	0.8	9
15	Structural study and proton conductivity in BaCe _{0.7} Zr _{0.25} Y _x Zn _{0.05} O ₃ (x=0.05, 0.1, 0.15, 0.2 & amp;) Tj ETQq1 1 0.784314 rg	3.8	28
16	Metal nano-particles sizing by thermal annealing for the enhancement of surface plasmon effects in thin-film solar cells application. Optics Communications, 2016, 370, 85-90.	1.0	56
17	Effect of Contact Mode and Flow Rate On Direct Carbon Solid Oxide Fuel Cell. Journal of Chemical Engineering of Japan, 2016, 49, 362-365.	0.3	2
18	Numerical simulation of flow over an airfoil for small wind turbines using the γ - Re_θ model. International Journal of Energy and Environmental Engineering, 2015, 6, 419-429.	1.3	12

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19	A simple structure of all circular-air-holes photonic crystal fiber for achieving high birefringence and low confinement loss. <i>Journal of Applied Physics</i> , 2015, 118, 243102.	1.1	13
20	Efficiency enhancement of Ixora floral dye sensitized solar cell by diminishing the pigments interactions. <i>Solar Energy</i> , 2015, 117, 36-45.	2.9	20
21	Evaluation of surface energy state distribution and bulk defect concentration in DSSC photoanodes based on Sn, Fe, and Cu doped TiO ₂ . <i>Applied Surface Science</i> , 2015, 351, 950-961.	3.1	68
22	A Novel Low Reynolds Number Airfoil Design for Small Horizontal Axis Wind Turbines. <i>Wind Engineering</i> , 2014, 38, 377-391.	1.1	20
23	Estimating the wake losses in large wind farms: A machine learning approach. , 2014, , .		9
24	Combined experimental and DFT/TDDFT study of photo-active constituents of <i>Canarium odontophyllum</i> for DSSC application. <i>Chemical Physics Letters</i> , 2013, 585, 121-127.	1.2	46
25	Exploring the Feasibility of Solar Photo-Voltaic Power Plants in Brunei Darussalam. <i>Energy Exploration and Exploitation</i> , 2013, 31, 471-484.	1.1	7
26	DFT/TDDFT and Experimental Studies of Natural Pigments Extracted from Black Tea Waste for DSSC Application. <i>International Journal of Photoenergy</i> , 2013, 2013, 1-8.	1.4	26