

Chee Ming Lim

List of Publications by Year in descending order

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26
papers

738
citations

567144

15
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580701

25
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26
all docs

26
docs citations

26
times ranked

1009
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Evaluation of surface energy state distribution and bulk defect concentration in DSSC photoanodes based on Sn, Fe, and Cu doped TiO ₂ . Applied Surface Science, 2015, 351, 950-961.	3.1	68
3	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
4	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
5	Tunable Optical Performances on a Periodic Array of Plasmonic Bowtie Nanoantennas with Hollow Cavities. Nanoscale Research Letters, 2016, 11, 411.	3.1	47
6	Combined experimental and DFT/TDDFT study of photo-active constituents of Canarium odontophyllum for DSSC application. Chemical Physics Letters, 2013, 585, 121-127.	1.2	46
7	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
8	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
9	Tunable silver-shell dielectric core nano-beads array for thin-film solar cell application. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	28
10	Structural study and proton conductivity in BaCe _{0.7} Zr _{0.25} xYxZn _{0.05} O ₃ (x=0.05, 0.1, 0.15, 0.2 &) Tj ETQc0 0 0 rgBT /Overlo	3.8	28
11	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
12	DFT/TDDFT and Experimental Studies of Natural Pigments Extracted from Black Tea Waste for DSSC Application. International Journal of Photoenergy, 2013, 2013, 1-8.	1.4	26
13	A Novel Low Reynolds Number Airfoil Design for Small Horizontal Axis Wind Turbines. Wind Engineering, 2014, 38, 377-391.	1.1	20
14	Efficiency enhancement of Ixora floral dye sensitized solar cell by diminishing the pigments interactions. Solar Energy, 2015, 117, 36-45.	2.9	20
15	Synthesis of nanostructured <i>γ</i> -Ni(OH) ₂ by electrochemical dissolution-precipitation and its application as a water oxidation catalyst. Nanotechnology, 2016, 27, 275401.	1.3	19
16	A simple structure of all circular-air-holes photonic crystal fiber for achieving high birefringence and low confinement loss. Journal of Applied Physics, 2015, 118, 243102.	1.1	13
17	Numerical simulation of flow over an airfoil for small wind turbines using the $\gamma - \text{Re}^{\frac{1}{3}} - \text{Re}^{-1}$ model. International Journal of Energy and Environmental Engineering, 2015, 6, 419-429.	1.3	12
18	Estimating the wake losses in large wind farms: A machine learning approach. , 2014, , .		9

#	ARTICLE	IF	CITATIONS
19	Matching the Characteristics of Low Wind Speed Turbines with Candidate Wind Regimes. Energy Procedia, 2016, 95, 286-293.	1.8	9
20	Properties of nickel films growth by radio frequency magnetron sputtering at elevated substrate temperatures. Thin Solid Films, 2016, 612, 82-86.	0.8	9
21	Plasmonic effects arising from a grooved surface of a gold nanorod. Journal Physics D: Applied Physics, 2017, 50, 125302.	1.3	8
22	Exploring the Feasibility of Solar Photo-Voltaic Power Plants in Brunei Darussalam. Energy Exploration and Exploitation, 2013, 31, 471-484.	1.1	7
23	An analysis of DSSC performance based on nanosphere, nanorod, and nanoparticle anode morphologies. Journal of Applied Physics, 2016, 120, .	1.1	2
24	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
25	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
26	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