

HIGH IMPACT PUBLICATIONS

	Title of the Paper	Authors	Journal Details	Impact Factor
1	Water flow based geometric active deformable model for road network	Leninisha Shanmugam , Vani Kaliaperumal	ISPRS Journal of Photogrammetry and Remote Sensing, 102 (2015) 140–147	6.387
2	Tetrazole Iridium (III) complexes as class of phosphorescent emitters for high-efficiency OLEDs	Umamahesh, B., Karthikeyan Natesan Sundaramoorthy , Kulathu Iyer Sathiyarayanan, Joanna Maria Malicka, Massimo Cocchi	J. Mater. Chem. C, 2016,4, 10053-10060	5.256
3	Hydrophobic structural modification of chitosan and its impact on nanoparticle synthesis-A physicochemical study	Jothimani, B, Sureshkumar, S, Venkatachalapathy, B	Carbohydrate Polymer, Vol. 173, Page No. 714-720, 2017	4.811
4	Review on free cooling of buildings using phase change materials	V Antony Aroul Raj , R Velraj	Renewable and Sustainable Energy Reviews 14 (9), 2819-2829, 2011	8.05
5	Heat transfer and pressure drop studies on a PCM-heat exchanger module for free cooling applications	V Antony Aroul Raj , R Velraj	International Journal of Thermal Sciences 50 (8), 1573-1582	3.615
6	Enhancement in free cooling potential through PCM based storage system integrated with direct evaporative cooling (DEC) unit	K Panchabikesan, Antony Aroul Raj , V., Y Ding, V Ramalingam	Energy 144, 443-455, 2018	4.52
7	Effect of direct evaporative cooling during the charging process of phase change material based storage system for building free cooling application—A real time experimental investigation	Karthik Panchabikesan, Antony Aroul Raj , V. SujathaAbaranji, PandiyarajanVellaichamy, Velraj Ramalingama	Energy and Buildings, 2017, 152, 250-263	4.067

8	Experimental investigation of the LHS system and comparison of the stratification performance with the SHS system using CFD simulation	A.S.Ramana, R.Venkatesh, V. Antony Aroul Raj, R. Velraj	Solar Energy, 2014, 103, 378-389	4.018
9	Effect of direct evaporative cooling during the charging process of phase change material based storage system for building free cooling application—A real time experimental investigation	Karthik Panchabikesan, Antony Aroul Raj, V. SujathaAbaranji, PandiyarajanVellaichamy, Velraj Ramalingama	Energy and Buildings, 2017, 152, 250-263	4.067
10	Synthesis and characterization of Gadolinium-doped ZnSe quantum dots for fluorescence imaging of cancer cells.	Sureshkumar, S, Jothimani, B, Sridhar, TM & Venkatachalapathy, B	RSC Adv., Vol. 6, pp. 16081-16086, 2016	3.108
11	Interlayer Tio ₂ HAP Composite layer for Biomedical Applications	Vinodhini, S.P, Manomani, R, Venkatachalapathy, B & Sridhar, TM	RSC Adv., Vol.6, No.67, PP 62344- 62355, 2016	3.108