

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	5.994
2.	Tetrazole Iridium (III) complexes as class of phosphorescent emitters for high-efficiency OLEDs	Umamahesh, B., Karthikeyan Natesan Sundaramoorthy , KulathuIyer Sathiyarayanan, Joanna Maria Malicka, Massimo Cocchi	J. Mater. Chem. C, 2016,4, 10053-10060	5.976
3.	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	9.184
4.	Review of leaf drying: Mechanism and influencing parameters, drying methods, nutrient preservation, and mathematical models	AK Babu , GKumaresan, VAntony Aroul Raj , R Velraj	Renewable and Sustainable Energy Reviews 90, 536-556, 2018	9.184
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	3.361
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	4.968

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. Sujatha Abaranji, Pandiyarajan Vellaichamy, Velraj Ramalingam	Energy and Buildings, 2017, 152, 250-263	4.457
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..374
9.	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	5.158
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	2.936
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	2.936