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S. No	Title	Authors	Name of the Journal	Year (YY/MM/DD)
1	On demand manipulation of ferrofluid droplets by magnetic fields	Ayan Ray, Vijaykumar Babulalji Varma, PJ Jayaneel, NM Sudharsan, ZP Wang, Raju V Ramanujan	*Sensors and Actuators B: Chemical*	2017/4/1
2	Review of water based vapour absorption cooling systems using thermodynamic analysis	PS Arshi Banu, NM Sudharsan	*Renewable and Sustainable Energy Reviews*	2018/2/1
3	Control of ferrofluid droplets in microchannels by uniform magnetic fields	Vijaykumar B Varma, Ayan Ray, Zhaomeng Wang, Zhiping Wang, Ruige Wu, PJ Jayaneel, Natteri Mangadu Sudharsan, Raju V Ramanujan	*IEEE Magnetics Letters*	2016/7/27
4	Magnetic droplet merging by hybrid magnetic fields	Ayan Ray, Vijaykumar B Varma, Zhaomeng Wang, Zhiping Wang, PJ Jayaneel, Natteri M Sudharsan, Raju V Ramanujan	*IEEE Magnetics Letters*	2016/9/26

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5	Wall shear stress estimation of thoracic aortic aneurysm using computational fluid dynamics	J Febina, Mohamed Yacin Sikkandar, NM Sudharsan	*Computational and Mathematical Methods in Medicine*	2018/6/3
6	Numerical modeling and parametric optimization of micromixer for low diffusivity fluids	K Karthikeyan, L Sujatha, NM Sudharsan	*International Journal of Chemical Reactor Engineering*	2017/5/12
7	Feasibility studies of single-effect H2O-LiBr+ LiI+ LiNO3+ LiCl vapour absorption cooling system for solar based applications	PS Arshi Banu, NM Sudharsan	*J Chem Pharm Sci*	2017/8
8	Non invasive detection of abnormalities using thermal image	US Kumar, NM Sudharsan	*Int J Pharm Technol*	2017
9	Experimental heat and mass transfer studies on horizontal falling film absorber using water-lithium bromide	PS Arshi Banu, Sudharsan, NM	*Thermal Science*	2020
10	A self-regulating multi-torus magneto-fluidic device for kilowatt level cooling	MS Pattanaik, VB Varma, SK Cheekati, G Prasanna, NM Sudharsan, RV Ramanujan	*Energy Conversion and Management*	2019/10/15
11	Enhancement techniques for abnormality detection using thermal image	Ushus S Kumar, Natteri M Sudharsan	*The Journal of Engineering*	2018/7/26

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12	Study of flow dynamic behavior of electrochemical reactor for treating liquid biomedical wastewater	Mohamed Yacin Sikkandar, S Sabarunisha Begum, NM Sudharsan, NB Prakash	*DESALINATION AND WATER TREATMENT*	2020/9/1
13	Structural design, analysis and DOE of MEMS-based capacitive accelerometer for automotive airbag application	J Ramakrishnan, PT Rushanth Gaurav, N Subashchandar, NM Sudharsan	*Microsystem Technologies*	2020/8/13
14	Three factor nonnegative matrix factorization based HE stain unmixing in histopathological images	Mohamed Yacin Sikkandar, T Jayasankar, KR Kavitha, NB Prakash, Natteri M Sudharsan, GR Hemalakshmi	*Journal of Ambient Intelligence and Humanized Computing*	2020/7/11
15	Estimation of an Object Trajectory in an Intake Duct using Numerical Simulation	Aravinth L, Vidhyashankar N, Reza Abbas, Sudharsan NM	*Defence Science Journal*	2020
16	Design and performance evaluation of a novel self-rotating fuel injector using CFD-a preliminary study	Pichandi Chandrasekar, Neelakantan S Prasad, Varadarajan Balamurugan, Natteri M Sudharsan	*Thermal Science*	2020
17	Computational Fluid Dynamics: A Technique to Solve Complex	Mohamed Yacin Sikkandar, Natteri	*WSEAS Transactions*	2019

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	Biomedical Engineering Problems - A Review	M Sudharsan, S. Sabarunisha Begum, E. Y. K. Ng	*on Biology and Biomedicine*	
18	THERMAL IMAGING AS AN ADJUNCT TOOL FOR IDENTIFYING FETAL GROWTH–A PILOT STUDY	R SAI DIVYA, S Mohamed Yacin, Kamala Selvaraj, Natteri M Sudharsan	*Journal of Mechanics in Medicine and Biology*	2017/6/29