

# Balakrishnan Kanimozhi

## List of Publications by Year in descending order

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33  
papers

214  
citations

1307543

7  
h-index

1125717

13  
g-index

33  
all docs

33  
docs citations

33  
times ranked

227  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kaolinite fines colloidal-suspension transport in high temperature porous subsurface aqueous environment: Implications to the geothermal sandstone and hot sedimentary aquifer reservoirs permeability. <i>Geothermics</i> , 2021, 89, 101975.	3.4	15
2	Performance study of a domestic refrigerator using CuO/AL <sub>2</sub> O <sub>3</sub> -R22 nanorefrigerant as a working fluid. <i>International Journal of Ambient Energy</i> , 2020, 41, 152-156.	2.5	29
3	Enhancement of surface temperature distribution of solar receiver tube using coil winding. <i>International Journal of Ambient Energy</i> , 2020, 41, 861-865.	2.5	0
4	Subcritical CO <sub>2</sub> effects on kaolinite fines transport in porous limestone media. <i>Journal of Petroleum Exploration and Production</i> , 2020, 10, 883-891.	2.4	2
5	Colloidal release in high temperature porous media with oversaturated fines during supercritical CO <sub>2</sub> transport. <i>Journal of Petroleum Science and Engineering</i> , 2020, 192, 107345.	4.2	5
6	Experimental investigation of corrosion properties of solar receiver pipe made of SS304. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
7	Performance evaluation of room coupled with solar chimney and underground cooling methods. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
8	Experimental study on impact of textile material spread over a flat plate absorber on the productivity of modified single-basin solar still. <i>Thermal Science</i> , 2020, 24, 591-596.	1.1	0
9	Efficiency improvement of heat pipe by using Graphene nanofluids with different concentrations. <i>Thermal Science</i> , 2020, 24, 447-452.	1.1	7
10	Numerical and experimental investigation on the effect of retrograde vaporization on fines migration and drift in porous oil reservoir: roles of phase change heat transfer and saturation. <i>Journal of Petroleum Exploration and Production</i> , 2019, 9, 2953-2963.	2.4	5
11	Effect of morphology on the photocatalytic property of PANI/TiO <sub>2</sub> on some synthetic dyes. <i>Materials Research Express</i> , 2019, 6, 125040.	1.6	6
12	Experimental Analysis of Solar Water Heater Using Porous Medium with Agitator. <i>Materials Today: Proceedings</i> , 2019, 16, 1204-1211.	1.8	5
13	Nature of electronic states of substitutional nitrogen in anatase supercell: a DFT study. <i>Materials Research Express</i> , 2019, 6, 085908.	1.6	0
14	Kaolinite fines colloidal flow in high temperature porous carbonate media during saline water injection. <i>Journal of Petroleum Science and Engineering</i> , 2019, 175, 775-784.	4.2	7
15	Experimental exploration and theoretical certainty of thermal conductivity and viscosity of MgO-therminol 55 nanofluid. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, 41, 451-467.	2.3	11
16	Design and analysis of reflectivity for Mylar-coated solar dish. <i>International Journal of Ambient Energy</i> , 2018, 39, 51-53.	2.5	4
17	Experimental investigation and heat transfer process on longitudinal fins with different notch configuration. <i>International Journal of Ambient Energy</i> , 2018, 39, 34-37.	2.5	5
18	Thermal analysis of square pipes in a reactor vault. <i>International Journal of Ambient Energy</i> , 2018, 39, 159-164.	2.5	1

#	ARTICLE	IF	CITATIONS
19	Experimental study of cooling water pipe circuits by theoretical and numerical analysis in a reactor vault. International Journal of Ambient Energy, 2018, 39, 217-220.	2.5	0
20	Fines surface detachment and pore-throat entrapment due to colloidal flow of lean and rich gas condensates. Journal of Natural Gas Science and Engineering, 2018, 56, 42-50.	4.4	5
21	Ignition Behavior of Benzoic Resin Solid Fuel Pellets over a Surface Induction Heating Plate Using a Liquefied Petroleum Gas Flame Ignitor. Energy & Fuels, 2018, 32, 7888-7897.	5.1	1
22	Analysis of heat transfer through a high strength concrete with circular pipe in a safety vessel of reactor vault. International Journal of Ambient Energy, 2018, 39, 678-684.	2.5	3
23	Thermal energy storage system operating with phase change materials for solar water heating applications: DOE modelling. Applied Thermal Engineering, 2017, 123, 614-624.	6.0	52
24	Review of Phase Change Materials Based on Energy Storage System with Applications. IOP Conference Series: Materials Science and Engineering, 2017, 197, 012034.	0.6	9
25	Experimental study on productivity of modified single-basin solar still with a flat plate absorber. IOP Conference Series: Materials Science and Engineering, 2017, 197, 012032.	0.6	4
26	Charging and Discharging Processes of Thermal Energy Storage System Using Phase change materials. IOP Conference Series: Materials Science and Engineering, 2017, 197, 012040.	0.6	12
27	Design and Analysis of Boiler Pressure Vessels based on IBR codes. IOP Conference Series: Materials Science and Engineering, 2017, 197, 012045.	0.6	0
28	Experimental analysis of heat transfer through multiple reflecting bodies in a reactor-based cooling vault. International Journal of Ambient Energy, 2017, 38, 865-870.	2.5	0
29	Hall, Magneto Hydrodynamic and Radiation Effects on Rotating Fluid Past a Moving Vertical Plate with Mass Diffusion. Journal of Computational and Theoretical Nanoscience, 2017, 14, 5761-5769.	0.4	0
30	Experimental Study of Thermal Energy Storage in Solar System Using PCM. Advanced Materials Research, 0, 433-440, 1027-1032.	0.3	14
31	Design Modification in Special Purpose Machine by Introducing Poka-Yoke Techniques. Applied Mechanics and Materials, 0, 592-594, 1030-1034.	0.2	0
32	Statistical optimization of Closed Loop Pulsating Heat Pipe parameters with R-410a and nanorefrigerant in air conditioning applications. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-18.	2.3	4
33	Experimental and numerical analysis of heat transfer from main vessel to safety vessel using H <sub>2</sub> O/Al <sub>2</sub> O <sub>3</sub> nanofluid in a nuclear reactor vault. , 0, 114, 135-145.		8