

List of Publications by Year in descending order

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57
papers

851
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394286

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74
times ranked

401
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermohydraulics of turbulent flow through rectangular and square ducts with axial corrugation roughness and twisted-tapes with and without oblique teeth. <i>Experimental Thermal and Fluid Science</i> , 2010, 34, 744-752.	1.5	69
2	Laminar flow heat transfer enhancement in a circular tube having integral transverse rib roughness and fitted with centre-cleared twisted-tape. <i>Experimental Thermal and Fluid Science</i> , 2013, 44, 727-735.	1.5	66
3	Thermohydraulics of laminar flow of viscous oil through a circular tube having integral axial rib roughness and fitted with center-cleared twisted-tape. <i>Experimental Thermal and Fluid Science</i> , 2012, 41, 121-129.	1.5	58
4	Thermohydraulics of laminar flow through a circular tube having integral helical rib roughness and fitted with centre-cleared twisted-tape. <i>Experimental Thermal and Fluid Science</i> , 2012, 42, 154-162.	1.5	57
5	Thermal and friction characteristics of laminar flow through rectangular and square ducts with transverse ribs and wire coil inserts. <i>Experimental Thermal and Fluid Science</i> , 2010, 34, 63-72.	1.5	54
6	Heat transfer characteristics of flow boiling in a single horizontal microchannel. <i>International Journal of Thermal Sciences</i> , 2010, 49, 1086-1094.	2.6	45
7	Laminar fluid flow and heat transfer through a circular tube having spiral ribs and twisted tapes. <i>Experimental Thermal and Fluid Science</i> , 2015, 60, 173-181.	1.5	42
8	Enhancement of heat transfer of laminar flow of viscous oil through a circular tube having integral helical rib roughness and fitted with helical screw-tapes. <i>Experimental Thermal and Fluid Science</i> , 2013, 47, 81-89.	1.5	39
9	Thermal and friction characteristics of turbulent flow through rectangular and square ducts with transverse ribs and wire-coil inserts. <i>Experimental Thermal and Fluid Science</i> , 2010, 34, 575-589.	1.5	36
10	THERMOHYDRAULICS OF LAMINAR FLOW THROUGH A CIRCULAR TUBE HAVING INTEGRAL HELICAL CORRUGATIONS AND FITTED WITH HELICAL SCREW-TAPE INSERT. <i>Chemical Engineering Communications</i> , 2013, 200, 418-436.	1.5	34
11	Thermohydraulics of Laminar Flow Through Rectangular and Square Ducts With Axial Corrugation Roughness and Twisted Tapes With Oblique Teeth. <i>Journal of Heat Transfer</i> , 2010, 132, .	1.2	31
12	Thermohydraulics of laminar flow of viscous oil through a circular tube having axial corrugations and fitted with centre-cleared twisted-tape. <i>Experimental Thermal and Fluid Science</i> , 2012, 38, 201-209.	1.5	31
13	Thermal and friction characteristics of laminar flow through a circular duct having helical screw-tape with oblique teeth inserts and wire coil inserts. <i>Experimental Thermal and Fluid Science</i> , 2015, 68, 733-743.	1.5	31
14	Thermal and Friction Characteristics of Laminar Flow through Square and Rectangular Ducts with Transverse Ribs and Twisted Tapes with and without Oblique Teeth. <i>Journal of Enhanced Heat Transfer</i> , 2010, 17, 1-21.	0.5	31
15	Enhancement of heat transfer of laminar flow through a circular tube having integral helical rib roughness and fitted with wavy strip inserts. <i>Experimental Thermal and Fluid Science</i> , 2013, 50, 107-113.	1.5	25
16	Experimental investigation of laminar flow of viscous oil through a circular tube having integral spiral corrugation roughness and fitted with twisted tapes with oblique teeth. <i>Experimental Thermal and Fluid Science</i> , 2014, 57, 301-309.	1.5	23
17	Laminar flow and heat transfer through a circular tube having integral transverse corrugations and fitted with centre-cleared twisted-tape. <i>Experimental Thermal and Fluid Science</i> , 2014, 57, 388-395.	1.5	22
18	ENHANCEMENT OF HEAT TRANSFER OF LAMINAR FLOW OF VISCOUS OIL THROUGH A CIRCULAR TUBE HAVING INTEGRAL AXIAL RIB ROUGHNESS AND FITTED WITH HELICAL SCREW-TAPE INSERTS. <i>Heat Transfer Research</i> , 2012, 43, 207-227.	0.9	21

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19	Friction and Thermal Characteristics of Laminar Flow of Viscous Oil Through a Circular Tube Having Axial Corrugations and Fitted With Helical Screw-Tape Inserts. Journal of Fluids Engineering, Transactions of the ASME, 2012, 134, .	0.8	20
20	Laminar Flow Heat Transfer and Pressure Drop in a Circular Tube Having Wire-Coil and Helical Screw-Tape Inserts. Journal of Heat Transfer, 2013, 135, .	1.2	19
21	Advances in modelling of biomimetic fluid flow at different scales. Nanoscale Research Letters, 2011, 6, 344.	3.1	15
22	Heat Transfer Enhancement of Laminar Flow Through a Circular Tube Having Wire Coil Inserts and Fitted With Center-Cleared Twisted Tape. Journal of Thermal Science and Engineering Applications, 2012, 4, .	0.8	10
23	Laminar Flow Heat-Transfer Enhancement Using Transverse Ribs and Helical Screw-Tape Inserts. Journal of Thermophysics and Heat Transfer, 2012, 26, 464-471.	0.9	9
24	Thermo-fluid characteristics of laminar flow of viscous oil through a circular tube having integral helical corrugations and fitted with centre-cleared twisted-tape. Heat and Mass Transfer, 2012, 48, 2059-2068.	1.2	9
25	Experimental investigation of laminar flow of viscous oil through a circular tube having integral axial corrugation roughness and fitted with twisted tapes with oblique teeth. Heat and Mass Transfer, 2015, 51, 1189-1201.	1.2	9
26	THERMOHYDRAULICS OF TURBULENT FLOW THROUGH SQUARE AND RECTANGULAR DUCTS WITH TRANSVERSE RIBS AND TWISTED TAPES WITH AND WITHOUT OBLIQUE TEETH. Journal of Enhanced Heat Transfer, 2011, 18, 281-293.	0.5	8
27	Laminar Flow Through a Circular Tube Having Transverse Ribs and Twisted Tapes. Journal of Thermal Science and Engineering Applications, 2015, 7, .	0.8	7
28	Heat Transfer Fundamentals for Design of Heat Transfer Enhancement Devices. SpringerBriefs in Applied Sciences and Technology, 2020, , 1-16.	0.2	3
29	Active and Passive Techniques: Their Applications. SpringerBriefs in Applied Sciences and Technology, 2020, , 17-72.	0.2	2
30	Additives for Gases and Liquids. SpringerBriefs in Applied Sciences and Technology, 2020, , 79-118.	0.2	1
31	Single-Phase Flow Performance Evaluation Criteria. SpringerBriefs in Applied Sciences and Technology, 2020, , 7-23.	0.2	1
32	Enhancement of Two-Phase Flow Using EHD Technique. SpringerBriefs in Applied Sciences and Technology, 2020, , 27-50.	0.2	1
33	2D Roughness, 3D Roughness and Roughness Applications. SpringerBriefs in Applied Sciences and Technology, 2020, , 123-157.	0.2	1
34	Offset-Strip Fins. SpringerBriefs in Applied Sciences and Technology, 2020, , 33-57.	0.2	1
35	Selected Papers Presented at the ECI 8th International Conference on Boiling and Condensation Heat Transfer. Heat Transfer Engineering, 2014, 35, 415-419.	1.2	0
36	22nd National and 11th ISHMT-ASME Heat and Mass Transfer Conference. Journal of Heat Transfer, 2015, 137, .	1.2	0

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37	Critical Heat Flux. SpringerBriefs in Applied Sciences and Technology, 2015, , 13-51.	0.2	0
38	Wavy Fin, 3D Corrugated Fin, Perforated Fin, Pin Fin, Wire Mesh, Metal Foam Fin, Packings, Numerical Simulation. SpringerBriefs in Applied Sciences and Technology, 2020, , 89-135.	0.2	0
39	Heat Exchanger Design Theory, Fin Efficiency, Variation of Fluid Properties. SpringerBriefs in Applied Sciences and Technology, 2020, , 73-81.	0.2	0
40	Fouling on Various Types of Enhanced Heat Transfer Surfaces. SpringerBriefs in Applied Sciences and Technology, 2020, , 83-95.	0.2	0
41	Louver Fins and Convex Louver Fins. SpringerBriefs in Applied Sciences and Technology, 2020, , 59-77.	0.2	0
42	Twisted Tape Insert. SpringerBriefs in Applied Sciences and Technology, 2020, , 13-50.	0.2	0
43	Vortex Generators. SpringerBriefs in Applied Sciences and Technology, 2020, , 79-88.	0.2	0
44	Convective Condensation. SpringerBriefs in Applied Sciences and Technology, 2020, , 103-114.	0.2	0
45	Mass Transfer in the Gas Phase. SpringerBriefs in Applied Sciences and Technology, 2020, , 51-77.	0.2	0
46	Special issue on "Boiling in Microchannels". Frontiers in Heat and Mass Transfer, 2012, 3, .	0.1	0
47	Conclusion and Further Research. SpringerBriefs in Applied Sciences and Technology, 2015, , 53-53.	0.2	0
48	Editorial by Sujoy Kumar Saha. , 2016, , xix.		0
49	PEC for Two-Phase Flow. SpringerBriefs in Applied Sciences and Technology, 2020, , 99-105.	0.2	0
50	Performance Evaluation Criteria Based on Laws of Thermodynamics. SpringerBriefs in Applied Sciences and Technology, 2020, , 25-97.	0.2	0
51	Numerical Simulation of Integral Roughness, Laminar Flow in Tubes with Roughness and Reynolds Analogy for Heat and Momentum Transfer. SpringerBriefs in Applied Sciences and Technology, 2020, , 99-121.	0.2	0
52	Compound Techniques. SpringerBriefs in Applied Sciences and Technology, 2020, , 159-165.	0.2	0
53	Swirl Generators, Extended Surface Insert and Tangential Injection Devices. SpringerBriefs in Applied Sciences and Technology, 2020, , 83-97.	0.2	0
54	Flow Boiling Enhancement Techniques. SpringerBriefs in Applied Sciences and Technology, 2020, , 43-77.	0.2	0

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55	Pool Boiling Enhancement Techniques. SpringerBriefs in Applied Sciences and Technology, 2020, , 5-41.	0.2	0
56	Electrode Design and Its Placement, Enhancement of Single-Phase Gas and Liquid Flow, Theoretical Studies. SpringerBriefs in Applied Sciences and Technology, 2020, , 5-26.	0.2	0
57	Displaced Enhancement Devices and Wire Coil Inserts. SpringerBriefs in Applied Sciences and Technology, 2020, , 51-82.	0.2	0