Gennady Ziskind

List of Publications by Citations

Source: https://exaly.com/author-pdf/2442506/gennady-ziskind-publications-by-citations.pdf
Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43 papers	2,235 citations	22 h-index	47 g-index
47 ext. papers	2,598 ext. citations	5.6 avg, IF	5.09 L-index

#	Paper	IF	Citations
43	Numerical and experimental study of melting in a spherical shell. *International Journal of Heat and Mass Transfer*, **2007**, 50, 1790-1804	4.9	301
42	Numerical investigation of a PCM-based heat sink with internal fins. *International Journal of Heat and Mass Transfer*, **2005**, 48, 3689-3706	4.9	259
41	Melting in a vertical cylindrical tube: Numerical investigation and comparison with experiments. *International Journal of Heat and Mass Transfer*, **2010**, 53, 4082-4091	4.9	251
40	A uniform temperature heat sink for cooling of electronic devices. *International Journal of Heat and Mass Transfer*, **2002**, 45, 3275-3286	4.9	184
39	Resuspension of particulates from surfaces to turbulent flows□Review and analysis. *Journal of Aerosol Science*, **1995**, 26, 613-644	4.3	150
38	Numerical investigation of a PCM-based heat sink with internal fins: Constant heat flux. *International Journal of Heat and Mass Transfer*, **2008**, 51, 1488-1493	4.9	149
37	Effect of wind direction on greenhouse ventilation rate, airflow patterns and temperature distributions. *Biosystems Engineering*, **2008**, 101, 351-369	4.8	72
36	Close-contact melting in vertical annular enclosures with a non-isothermal base: Theoretical modeling and application to thermal storage. *International Journal of Heat and Mass Transfer*, **2014**, 72, 114-127	4.9	65
35	PARTICLE RESUSPENSION FROM SURFACES: REVISITED AND RE-EVALUATED. *Reviews in Chemical Engineering*, **2006**, 22, 1-123	5	61
34	Experimental demonstration, modeling and analysis of a novel latent-heat thermal energy storage unit with a helical fin. *International Journal of Heat and Mass Transfer*, **2017**, 110, 692-709	4.9	56
33	Adhesion moment model for estimating particle detachment from a surface. *Journal of Aerosol Science*, **1997**, 28, 623-634	4.3	56
32	Close-contact melting in a horizontal cylindrical enclosure with longitudinal plate fins: Demonstration, modeling and application to thermal storage. *International Journal of Heat and Mass Transfer*, **2015**, 86, 465-477	4.9	54
31	Experimental and numerical investigation of a hybrid PCM□air heat sink. *Applied Thermal Engineering*, **2013**, 59, 142-152	5.8	53
30	Deep-bed filtration model with multistage deposition kinetics. *Chemical Engineering Journal*, **2010**, 163, 78-85	14.7	53
29	Ventilation by natural convection of a one-story building. *Energy and Buildings*, **2002**, 34, 91-101	7	49
28	Analysis and optimization of melting temperature span for a multiple-PCM latent heat thermal energy storage unit. *Applied Thermal Engineering*, **2016**, 93, 315-329	5.8	47
27	Chimney-enhanced natural convection from a vertical plate: experiments and numerical simulations. *International Journal of Heat and Mass Transfer*, **2003**, 46, 497-512	4.9	47

26	Kinetic Model of Particle Resuspension By Drag Force. *Physical Review Letters*, **1997**, 78, 551-554	7.4	44
25	Analytical model of a PCM-air heat exchanger. *Applied Thermal Engineering*, **2011**, 31, 3453-3462	5.8	39
24	Novel enthalpy method for modeling of PCM melting accompanied by sinking of the solid phase. *International Journal of Heat and Mass Transfer*, **2017**, 112, 568-586	4.9	38
23	A novel multi-dimensional model for solidification process with supercooling. *International Journal of Heat and Mass Transfer*, **2017**, 106, 91-102	4.9	36
22	Experimental and comprehensive theoretical study of cold storage packages containing PCM. *Applied Thermal Engineering*, **2017**, 115, 899-912	5.8	30
21	An analytical solution of the convection□dispersion□reaction equation for a finite region with a pulse boundary condition. *Chemical Engineering Journal*, **2011**, 167, 403-408	14.7	19
20	Graphite-based shape-stabilized composites for phase change material applications. *Renewable Energy*, **2021**, 167, 580-590	8.1	15
19	Fluorescent clays□imilar transfer with sensitive detection. *Chemical Engineering Journal*, **2011**, 174, 482-488	14.7	12
18	Local heat transfer under an array of micro jet impingement using HFE-7000. *Applied Thermal Engineering*, **2019**, 158, 113716	5.8	11
17	Experimental validation of the Stokes law at nonisothermal conditions. *Physics of Fluids*, **2002**, 14, 2015-2018	4.1	11
16	Spatial temperature resolution in single-phase micro slot jet impingement cooling. *International Journal of Heat and Mass Transfer*, **2018**, 118, 720-733	4.9	11
15	Turbulent jet erosion of a stably stratified gas layer in a nuclear reactor test containment. *Nuclear Engineering and Design*, **2015**, 292, 133-148	1.8	8
14	Cleaning secondary effluents with organoclays and activated carbon. *Journal of Chemical Technology and Biotechnology*, **2012**, 87, 51-57	3.5	8
13	Enhancing thermal conductivity in graphene-loaded paint: Effects of phase change, rheology and filler size. *International Journal of Thermal Sciences*, **2020**, 153, 106381	4.1	8
12	Flow and heat transfer analysis of hybrid cooling schemes: Adding micro-jets to a micro-gap. *International Journal of Thermal Sciences*, **2019**, 138, 367-383	4.1	7
11	Thermoelectric Module-Variable Conductance Heat Pipe Assemblies for Reduced Power Temperature Control. *IEEE Transactions on Components, Packaging and Manufacturing Technology*, **2012**, 2, 474-482	1.7	7
10	Melting in a vertical pipe due to asymmetric heating. *Renewable Energy*, **2020**, 152, 179-188	8.1	5
9	Nusselt Numbers for Thermally Developing Couette Flow With Hydrodynamic and Thermal Slip. *Journal of Heat Transfer*, **2014**, 136,	1.8	5

8	Solidification of subcooled gallium poured into a vertical cylindrical mold **2016**, 19, 36		5
7	Optimization of rib-roughened annular gas-coolant channels. *Nuclear Engineering and Design*, **2010**, 240, 344-351	1.8	3
6	Small Size Integrated CsI(Tl) Spectrometer Efficiency and Properties Dependence on Temperature. *IEEE Transactions on Nuclear Science*, **2008**, 55, 1237-1240	1.7	3
5	An Analytical Technique of Transient Phase-Change Material Melting Calculation for Cylindrical and Tubular Containers. *Heat Transfer Engineering*, **2019**, 40, 1182-1195	1.7	1
4	Analysis of time-dependent heat transfer with periodic excitation in microscale systems. *Applied Thermal Engineering*, **2021**, 196, 117225	5.8	0
3	Temperature moderation in a multistorey building by melting of a phase-change material. *Archives of Thermodynamics*, **2013**, 34, 85-101		
2	Experimental and Numerical Investigation of Heat Removal by Microjets **2018**, 195-202		
1	Modeling of heat transfer in phase change materials for thermal energy storage systems **2021**, 359-379		