

# Gennady Ziskind

## List of Publications by Year in Descending Order

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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	Graphite-based shape-stabilized composites for phase change material applications. <i>Renewable Energy</i> , <b>2021</b> , 167, 580-590	8.1	15
42	Modeling of heat transfer in phase change materials for thermal energy storage systems <b>2021</b> , 359-379		
41	Analysis of time-dependent heat transfer with periodic excitation in microscale systems. <i>Applied Thermal Engineering</i> , <b>2021</b> , 196, 117225	5.8	0
40	Melting in a vertical pipe due to asymmetric heating. <i>Renewable Energy</i> , <b>2020</b> , 152, 179-188	8.1	5
39	Enhancing thermal conductivity in graphene-loaded paint: Effects of phase change, rheology and filler size. <i>International Journal of Thermal Sciences</i> , <b>2020</b> , 153, 106381	4.1	8
38	Flow and heat transfer analysis of hybrid cooling schemes: Adding micro-jets to a micro-gap. <i>International Journal of Thermal Sciences</i> , <b>2019</b> , 138, 367-383	4.1	7
37	Local heat transfer under an array of micro jet impingement using HFE-7000. <i>Applied Thermal Engineering</i> , <b>2019</b> , 158, 113716	5.8	11
36	An Analytical Technique of Transient Phase-Change Material Melting Calculation for Cylindrical and Tubular Containers. <i>Heat Transfer Engineering</i> , <b>2019</b> , 40, 1182-1195	1.7	1
35	Experimental and Numerical Investigation of Heat Removal by Microjets <b>2018</b> , 195-202		
34	Spatial temperature resolution in single-phase micro slot jet impingement cooling. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 118, 720-733	4.9	11
33	Novel enthalpy method for modeling of PCM melting accompanied by sinking of the solid phase. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 112, 568-586	4.9	38
32	Experimental demonstration, modeling and analysis of a novel latent-heat thermal energy storage unit with a helical fin. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 110, 692-709	4.9	56
31	Experimental and comprehensive theoretical study of cold storage packages containing PCM. <i>Applied Thermal Engineering</i> , <b>2017</b> , 115, 899-912	5.8	30
30	A novel multi-dimensional model for solidification process with supercooling. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 106, 91-102	4.9	36
29	Analysis and optimization of melting temperature span for a multiple-PCM latent heat thermal energy storage unit. <i>Applied Thermal Engineering</i> , <b>2016</b> , 93, 315-329	5.8	47
28	Solidification of subcooled gallium poured into a vertical cylindrical mold <b>2016</b> , 19, 36		5
27	Turbulent jet erosion of a stably stratified gas layer in a nuclear reactor test containment. <i>Nuclear Engineering and Design</i> , <b>2015</b> , 292, 133-148	1.8	8

26	Close-contact melting in a horizontal cylindrical enclosure with longitudinal plate fins: Demonstration, modeling and application to thermal storage. <i>International Journal of Heat and Mass Transfer</i> , <b>2015</b> , 86, 465-477	4.9	54
25	Close-contact melting in vertical annular enclosures with a non-isothermal base: Theoretical modeling and application to thermal storage. <i>International Journal of Heat and Mass Transfer</i> , <b>2014</b> , 72, 114-127	4.9	65
24	Nusselt Numbers for Thermally Developing Couette Flow With Hydrodynamic and Thermal Slip. <i>Journal of Heat Transfer</i> , <b>2014</b> , 136,	1.8	5
23	Experimental and numerical investigation of a hybrid PCM-air heat sink. <i>Applied Thermal Engineering</i> , <b>2013</b> , 59, 142-152	5.8	53
22	Temperature moderation in a multistorey building by melting of a phase-change material. <i>Archives of Thermodynamics</i> , <b>2013</b> , 34, 85-101		
21	Cleaning secondary effluents with organoclays and activated carbon. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2012</b> , 87, 51-57	3.5	8
20	Thermoelectric Module-Variable Conductance Heat Pipe Assemblies for Reduced Power Temperature Control. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2012</b> , 2, 474-482	1.7	7
19	Analytical model of a PCM-air heat exchanger. <i>Applied Thermal Engineering</i> , <b>2011</b> , 31, 3453-3462	5.8	39
18	Fluorescent clays-Similar transfer with sensitive detection. <i>Chemical Engineering Journal</i> , <b>2011</b> , 174, 482-488	14.7	12
17	An analytical solution of the convection-dispersion-reaction equation for a finite region with a pulse boundary condition. <i>Chemical Engineering Journal</i> , <b>2011</b> , 167, 403-408	14.7	19
16	Optimization of rib-roughened annular gas-coolant channels. <i>Nuclear Engineering and Design</i> , <b>2010</b> , 240, 344-351	1.8	3
15	Melting in a vertical cylindrical tube: Numerical investigation and comparison with experiments. <i>International Journal of Heat and Mass Transfer</i> , <b>2010</b> , 53, 4082-4091	4.9	251
14	Deep-bed filtration model with multistage deposition kinetics. <i>Chemical Engineering Journal</i> , <b>2010</b> , 163, 78-85	14.7	53
13	Small Size Integrated CsI(Tl) Spectrometer Efficiency and Properties Dependence on Temperature. <i>IEEE Transactions on Nuclear Science</i> , <b>2008</b> , 55, 1237-1240	1.7	3
12	Effect of wind direction on greenhouse ventilation rate, airflow patterns and temperature distributions. <i>Biosystems Engineering</i> , <b>2008</b> , 101, 351-369	4.8	72
11	Numerical investigation of a PCM-based heat sink with internal fins: Constant heat flux. <i>International Journal of Heat and Mass Transfer</i> , <b>2008</b> , 51, 1488-1493	4.9	149
10	Numerical and experimental study of melting in a spherical shell. <i>International Journal of Heat and Mass Transfer</i> , <b>2007</b> , 50, 1790-1804	4.9	301
9	PARTICLE RESUSPENSION FROM SURFACES: REVISITED AND RE-EVALUATED. <i>Reviews in Chemical Engineering</i> , <b>2006</b> , 22, 1-123	5	61

8	Numerical investigation of a PCM-based heat sink with internal fins. <i>International Journal of Heat and Mass Transfer</i> , <b>2005</b> , 48, 3689-3706	4.9	259
7	Chimney-enhanced natural convection from a vertical plate: experiments and numerical simulations. <i>International Journal of Heat and Mass Transfer</i> , <b>2003</b> , 46, 497-512	4.9	47
6	Ventilation by natural convection of a one-story building. <i>Energy and Buildings</i> , <b>2002</b> , 34, 91-101	7	49
5	A uniform temperature heat sink for cooling of electronic devices. <i>International Journal of Heat and Mass Transfer</i> , <b>2002</b> , 45, 3275-3286	4.9	184
4	Experimental validation of the Stokes law at nonisothermal conditions. <i>Physics of Fluids</i> , <b>2002</b> , 14, 2015-2018	4.1	11
3	Kinetic Model of Particle Resuspension By Drag Force. <i>Physical Review Letters</i> , <b>1997</b> , 78, 551-554	7.4	44
2	Adhesion moment model for estimating particle detachment from a surface. <i>Journal of Aerosol Science</i> , <b>1997</b> , 28, 623-634	4.3	56
1	Resuspension of particulates from surfaces to turbulent flows: Review and analysis. <i>Journal of Aerosol Science</i> , <b>1995</b> , 26, 613-644	4.3	150