

Youn-Jea Kim

List of Publications by Year in descending order

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40
papers

309
citations

1163117

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888059

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41
all docs

41
docs citations

41
times ranked

572
citing authors

#	ARTICLE	IF	CITATIONS
1	Mogulâ€Patterned Elastomeric Substrate for Stretchable Electronics. <i>Advanced Materials</i> , 2016, 28, 3069-3077.	21.0	101
2	Cesium lead iodide solar cells controlled by annealing temperature. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 6257-6263.	2.8	82
3	Optimal design of impeller for centrifugal compressor under the influence of one-way fluid-structure interaction. <i>Journal of Mechanical Science and Technology</i> , 2016, 30, 3953-3959.	1.5	17
4	Thermomagnetic Convection of Ferrofluid in an Enclosure Channel with an Internal Magnetic Field. <i>Micromachines</i> , 2019, 10, 553.	2.9	11
5	Performance Characteristics of a 4 Å– 6 Oil-Free Twin-Screw Compressor. <i>Energies</i> , 2017, 10, 945.	3.1	10
6	Effects of gap between impeller and volute tongue on a pressure fluctuation in double-suction pump. <i>Journal of Mechanical Science and Technology</i> , 2020, 34, 4897-4903.	1.5	9
7	CFD-DEM Simulation for the Distribution and Motion Feature of Solid Particles in Single-Channel Pump. <i>Energies</i> , 2020, 13, 4988.	3.1	9
8	Numerical study on the heat dissipation characteristics of high-power LED module. <i>Science China Technological Sciences</i> , 2013, 56, 2150-2155.	4.0	8
9	Comparison of turbulence models for a free-burning high-intensity argon arc. <i>Journal of the Korean Physical Society</i> , 2013, 62, 1252-1257.	0.7	7
10	Noise Reduction of an Extinguishing Nozzle Using the Response Surface Method. <i>Energies</i> , 2019, 12, 4346.	3.1	6
11	Optimal design of the disc vents for high-speed railway vehicles using thermal-structural coupled analysis with genetic algorithm. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2022, 236, 5154-5164.	2.1	5
12	A Novel Passive Membrane Pumping Nano Fountain-Pen. , 2006, , .		4
13	EFFECTS OF OPERATING CONDITIONS ON THE DEPOSITION OF GaAs IN A VERTICAL CVD REACTOR. <i>Surface Review and Letters</i> , 2008, 15, 111-116.	1.1	4
14	Thermal-Flow Characteristics of Ferrofluids in a Rotating Eccentric Cylinder under External Magnetic Force. <i>Micromachines</i> , 2018, 9, 457.	2.9	4
15	Effect of inner wall configurations on the separation efficiency of hydrocyclone. <i>Journal of Mechanical Science and Technology</i> , 2019, 33, 5277-5283.	1.5	4
16	The Prediction of Separation Performance of an In-Line Axial Oilâ€Water Separator Using Machine Learning and CFD. <i>Processes</i> , 2022, 10, 375.	2.8	4
17	Flow Control of Nano Fountain Pen Using Active Membrane Pumping. , 2006, , .		3
18	Selective Growth and Contact Gap-Fill of Low Resistivity Si via Microwave Plasma-Enhanced CVD. <i>Micromachines</i> , 2019, 10, 689.	2.9	3

#	ARTICLE	IF	CITATIONS
19	A study on the plane Couette flow using micropolar fluid theory. Journal of Mechanical Science and Technology, 2004, 18, 491-498.	0.4	2
20	Control of line width with active nano fountain pen (ANFP) for nano manufacturing. Journal of Mechanical Science and Technology, 2008, 22, 1339-1348.	1.5	2
21	Mechanical characteristics of stretchable electronics based on a mogul-patterned structure. Functional Materials Letters, 2016, 09, 1642012.	1.2	2
22	Computations on the Thermal Characteristics of SF6 and CO2 Switching Arcs on a Microscopic Scale. Journal of Nanoscience and Nanotechnology, 2020, 20, 7201-7205.	0.9	2
23	The effect of blade angle on the flow and pressure distributions in the vicinity of the diffuser blades of a room air conditioner. Journal of Mechanical Science and Technology, 2009, 23, 1840-1845.	1.5	1
24	Numerical Simulation on Arc Discharge and Anode Sublimation for Nanoparticle Synthesis. Journal of Nanoscience and Nanotechnology, 2017, 17, 8365-8368.	0.9	1
25	Thermo-mechanical characteristics of the stretchable serpentine-patterned microelectrode. Functional Materials Letters, 2018, 11, 1850054.	1.2	1
26	Structural Characteristics of a Conical-Frustum-Patterned Stretchable Heater in an External-Force Environment. Journal of Nanoscience and Nanotechnology, 2018, 18, 6606-6610.	0.9	1
27	Interaction Model Between an Electrical Arc and a Material for Arc Discharge Synthesis of Metal Nanoparticles. Journal of Nanoscience and Nanotechnology, 2018, 18, 6611-6614.	0.9	1
28	Numerical analysis on performance of induced gas flotation machine using MUSIG model. Engineering Applications of Computational Fluid Mechanics, 2020, 14, 778-789.	3.1	1
29	Effect of Blade Leading and Trailing Edge Configurations on the Performance of a Micro Tubular Propeller Turbine Using Response Surface Methodology. Applied Sciences (Switzerland), 2021, 11, 5596.	2.5	1
30	Effect of The Impeller Discharge Angle on the Performance of a Spurt Vacuum Pump. Applied Science and Convergence Technology, 2017, 26, 1-5.	0.9	1
31	Performance Characteristics of In-Line Oil Separator with Various Airfoil Vane Configurations of the Axial-Flow Swirl Generator. Processes, 2022, 10, 948.	2.8	1
32	Analyses on the Performance and Interaction Between the Impeller and Casing in a Small-Size Turbo-Compressor. JSME International Journal Series B, 2003, 46, 385-391.	0.3	0
33	Pumping Characteristics of a Helical Screw Agitator with a Draught Tube. Journal of Fluid Science and Technology, 2008, 3, 713-721.	0.6	0
34	Thermal recovery process prediction in a self-blast interrupter with the generation of swirling flow. , 2015, , .		0
35	Optimal Design of a Sheath Flow Nozzle for Detecting Biological Warfare Agents. Journal of Nanoscience and Nanotechnology, 2017, 17, 8360-8364.	0.9	0
36	Two-Dimensional Computations on the Thermal Behaviors Between Arc Plasmas and Their Electrodes for the Switching Chamber Design. Journal of Nanoscience and Nanotechnology, 2018, 18, 6624-6628.	0.9	0

#	ARTICLE	IF	CITATIONS
37	Quasi-Three-Dimensional Computations of the Microscopic Thermal and Dielectric Characteristics of an SF ₆ Rotating Switching Arc. Journal of Nanoscience and Nanotechnology, 2019, 19, 6785-6790.	0.9	0
38	Interferometric Study of the Heat Transfer Phenomena Induced by Rapid Heating of Nickel Sheet. Applied Sciences (Switzerland), 2020, 10, 4658.	2.5	0
39	Effects of Optical Cell Configuration on the Screening Performance of a Bio-Fluorescence Sensor. Journal of Nanoscience and Nanotechnology, 2016, 16, 11490-11493.	0.9	0
40	Exothermic Performance of a Mogul-Patterned Stretchable Micro-Heater with Various Geometrical Configurations. Journal of Nanoscience and Nanotechnology, 2017, 17, 7502-7506.	0.9	0