

Youn-Jea Kim

List of Publications by Year in descending order

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40
papers

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citations

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41
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docs citations

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572
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | The Prediction of Separation Performance of an In-Line Axial Oil-Water Separator Using Machine Learning and CFD. <i>Processes</i> , 2022, 10, 375. | 2.8 | 4 |
| 2 | 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 |
| 3 | Performance Characteristics of In-Line Oil Separator with Various Airfoil Vane Configurations of the Axial-Flow Swirl Generator. <i>Processes</i> , 2022, 10, 948. | 2.8 | 1 |
| 4 | Effect of Blade Leading and Trailing Edge Configurations on the Performance of a Micro Tubular Propeller Turbine Using Response Surface Methodology. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5596. | 2.5 | 1 |
| 5 | Numerical analysis on performance of induced gas flotation machine using MUSIG model. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2020, 14, 778-789. | 3.1 | 1 |
| 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 | Interferometric Study of the Heat Transfer Phenomena Induced by Rapid Heating of Nickel Sheet. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4658. | 2.5 | 0 |
| 8 | Computations on the Thermal Characteristics of SF ₆ and CO ₂ Switching Arcs on a Microscopic Scale. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 7201-7205. | 0.9 | 2 |
| 9 | 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 |
| 10 | Selective Growth and Contact Gap-Fill of Low Resistivity Si via Microwave Plasma-Enhanced CVD. <i>Micromachines</i> , 2019, 10, 689. | 2.9 | 3 |
| 11 | Thermomagnetic Convection of Ferrofluid in an Enclosure Channel with an Internal Magnetic Field. <i>Micromachines</i> , 2019, 10, 553. | 2.9 | 11 |
| 12 | 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 |
| 13 | Quasi-Three-Dimensional Computations of the Microscopic Thermal and Dielectric Characteristics of an SF ₆ Rotating Switching Arc. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 6785-6790. | 0.9 | 0 |
| 14 | Noise Reduction of an Extinguishing Nozzle Using the Response Surface Method. <i>Energies</i> , 2019, 12, 4346. | 3.1 | 6 |
| 15 | Thermal-Flow Characteristics of Ferrofluids in a Rotating Eccentric Cylinder under External Magnetic Force. <i>Micromachines</i> , 2018, 9, 457. | 2.9 | 4 |
| 16 | Thermo-mechanical characteristics of the stretchable serpentine-patterned microelectrode. <i>Functional Materials Letters</i> , 2018, 11, 1850054. | 1.2 | 1 |
| 17 | Structural Characteristics of a Conical-Frustum-Patterned Stretchable Heater in an External-Force Environment. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 6606-6610. | 0.9 | 1 |
| 18 | Two-Dimensional Computations on the Thermal Behaviors Between Arc Plasmas and Their Electrodes for the Switching Chamber Design. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 6624-6628. | 0.9 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Interaction Model Between an Electrical Arc and a Material for Arc Discharge Synthesis of Metal Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 6611-6614. | 0.9 | 1 |
| 20 | Cesium lead iodide solar cells controlled by annealing temperature. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 6257-6263. | 2.8 | 82 |
| 21 | Performance Characteristics of a 4 Å— 6 Oil-Free Twin-Screw Compressor. <i>Energies</i> , 2017, 10, 945. | 3.1 | 10 |
| 22 | Optimal Design of a Sheath Flow Nozzle for Detecting Biological Warfare Agents. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 8360-8364. | 0.9 | 0 |
| 23 | Numerical Simulation on Arc Discharge and Anode Sublimation for Nanoparticle Synthesis. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 8365-8368. | 0.9 | 1 |
| 24 | Effect of The Impeller Discharge Angle on the Performance of a Spurt Vacuum Pump. <i>Applied Science and Convergence Technology</i> , 2017, 26, 1-5. | 0.9 | 1 |
| 25 | Exothermic Performance of a Mogul-Patterned Stretchable Micro-Heater with Various Geometrical Configurations. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 7502-7506. | 0.9 | 0 |
| 26 | Mechanical characteristics of stretchable electronics based on a mogul-patterned structure. <i>Functional Materials Letters</i> , 2016, 09, 1642012. | 1.2 | 2 |
| 27 | 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 |
| 28 | Mogul-Patterned Elastomeric Substrate for Stretchable Electronics. <i>Advanced Materials</i> , 2016, 28, 3069-3077. | 21.0 | 101 |
| 29 | Effects of Optical Cell Configuration on the Screening Performance of a Bio-Fluorescence Sensor. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 11490-11493. | 0.9 | 0 |
| 30 | Thermal recovery process prediction in a self-blast interrupter with the generation of swirling flow. , 2015, , . | | 0 |
| 31 | 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 |
| 32 | 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 |
| 33 | The effect of blade angle on the flow and pressure distributions in the vicinity of the diffuser blades of a room air conditioner. <i>Journal of Mechanical Science and Technology</i> , 2009, 23, 1840-1845. | 1.5 | 1 |
| 34 | Control of line width with active nano fountain pen (ANFP) for nano manufacturing. <i>Journal of Mechanical Science and Technology</i> , 2008, 22, 1339-1348. | 1.5 | 2 |
| 35 | 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 |
| 36 | Pumping Characteristics of a Helical Screw Agitator with a Draught Tube. <i>Journal of Fluid Science and Technology</i> , 2008, 3, 713-721. | 0.6 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Flow Control of Nano Fountain Pen Using Active Membrane Pumping. , 2006, , . | | 3 |
| 38 | A Novel Passive Membrane Pumping Nano Fountain-Pen. , 2006, , . | | 4 |
| 39 | A study on the plane Couette flow using micropolar fluid theory. Journal of Mechanical Science and Technology, 2004, 18, 491-498. | 0.4 | 2 |
| 40 | 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 |