

Shakhawat Hosasin

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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840119

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times ranked

397
citing authors

#	ARTICLE	IF	CITATIONS
1	A micromixer with two-layer serpentine crossing channels having excellent mixing performance at low Reynolds numbers. <i>Chemical Engineering Journal</i> , 2017, 327, 268-277.	6.6	97
2	A Review of Passive Micromixers with a Comparative Analysis. <i>Micromachines</i> , 2020, 11, 455.	1.4	97
3	Mixing Analysis of Passive Micromixer with Unbalanced Three-Split Rhombic Sub-Channels. <i>Micromachines</i> , 2014, 5, 913-928.	1.4	56
4	Greener and sustainable production of bioethylene from bioethanol: current status, opportunities and perspectives. <i>Reviews in Chemical Engineering</i> , 2022, 38, 185-207.	2.3	49
5	Mixing Performance of a Serpentine Micromixer with Non-Aligned Inputs. <i>Micromachines</i> , 2015, 6, 842-854.	1.4	37
6	Recent advances of energy storage technologies for grid: A comprehensive review. <i>Energy Storage</i> , 2022, 4, .	2.3	26
7	A Review on LDH-Smart Functionalization of Anodic Films of Mg Alloys. <i>Nanomaterials</i> , 2021, 11, 536.	1.9	25
8	Optimization of Micromixer with Staggered Herringbone Grooves on Top and Bottom Walls. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2011, 5, 506-516.	1.5	24
9	Fabrication of a Protective Hybrid Coating Composed of TiO ₂ , MoO ₂ , and SiO ₂ by Plasma Electrolytic Oxidation of Titanium. <i>Metals</i> , 2021, 11, 1182.	1.0	23
10	A Review on Synthesis, Properties, and Applications of Polylactic Acid/Silica Composites. <i>Polymers</i> , 2021, 13, 3036.	2.0	23
11	Shape Optimization of a Three-Dimensional Serpentine Split-and-Recombine Micromixer. <i>Chemical Engineering Communications</i> , 2017, 204, 548-556.	1.5	14
12	Parametric investigation on mixing in a micromixer with two-layer crossing channels. <i>SpringerPlus</i> , 2016, 5, 794.	1.2	10
13	Optimization of a Micromixer with Two-Layer Serpentine Crossing Channels at Multiple Reynolds Numbers. <i>Chemical Engineering and Technology</i> , 2017, 40, 2212-2220.	0.9	10
14	Centrifugal pump performance enhancement: Effect of splitter blade and optimization. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2022, 236, 391-402.	0.8	10
15	Multi-Response Optimization of Surface Grinding Process Parameters of AISI 4140 Alloy Steel Using Response Surface Methodology and Desirability Function under Dry and Wet Conditions. <i>Coatings</i> , 2022, 12, 104.	1.2	9
16	Development of Antimicrobial Cotton Fabric Impregnating AgNPs Utilizing Contemporary Practice. <i>Coatings</i> , 2021, 11, 1413.	1.2	7
17	Kinematic Measurements of Novel Chaotic Micromixers to Enhance Mixing Performances at Low Reynolds Numbers: Comparative Study. <i>Micromachines</i> , 2021, 12, 364.	1.4	6
18	Stability Analysis of a Fractional-Order High-Speed Supercavitating Vehicle Model with Delay. <i>Machines</i> , 2021, 9, 129.	1.2	5

#	ARTICLE	IF	CITATIONS
19	Enhancement of Mixing Performance of Two-Layer Crossing Micromixer through Surrogate-Based Optimization. <i>Micromachines</i> , 2021, 12, 211.	1.4	4
20	Evaluation of Hydrodynamic and Thermal Behaviour of Non-Newtonian-Nanofluid Mixing in a Chaotic Micromixer. <i>Micromachines</i> , 2022, 13, 933.	1.4	4
21	Mixing Enhancement of Non-Newtonian Shear-Thinning Fluid for a Kenics Micromixer. <i>Micromachines</i> , 2021, 12, 1494.	1.4	3
22	Performance Enhancement of the Micromixer by the Multiobjective Genetic Algorithm and Surrogate Model Based on a Navier–Stokes Analysis Using Trade-Off Objective Functions. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-10.	0.6	1
23	A SAR Micromixer for Water-Water Mixing: Design, Optimization, and Analysis. <i>Processes</i> , 2021, 9, 1926.	1.3	1