

Khairul Fikri Tamrin

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

411
citations

933447

10
h-index

794594

19
g-index

32
all docs

32
docs citations

32
times ranked

470
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Development in Ammonia Stripping Process for Industrial Wastewater Treatment. International Journal of Chemical Engineering, 2018, 2018, 1-14.	2.4	98
2	Multiple-objective optimization in precision laser cutting of different thermoplastics. Optics and Lasers in Engineering, 2015, 67, 57-65.	3.8	50
3	Determination of optimum parameters using grey relational analysis for multi-performance characteristics in CO2 laser joining of dissimilar materials. Optics and Lasers in Engineering, 2014, 57, 40-47.	3.8	44
4	Synthesis of Functional Silver Nanoparticles and Microparticles with Modifiers and Evaluation of Their Antimicrobial, Anticancer, and Antioxidant Activity. Journal of Functional Biomaterials, 2020, 11, 76.	4.4	28
5	Laser Lap Joining of Dissimilar Materials – A Review of Factors Affecting Joint Strength. Materials and Manufacturing Processes, 0, , 130715070734009.	4.7	26
6	Experimental and numerical investigation on multi-pass laser cutting of natural fibre composite. International Journal of Advanced Manufacturing Technology, 2020, 107, 1483-1504.	3.0	20
7	Determination of optimum polymeric coagulant in palm oil mill effluent coagulation using multiple-objective optimisation on the basis of ratio analysis (MOORA). Environmental Science and Pollution Research, 2017, 24, 15863-15869.	5.3	18
8	Performance Investigation of Air Velocity Effects on PV Modules under Controlled Conditions. International Journal of Photoenergy, 2017, 2017, 1-10.	2.5	15
9	Method for determining mixing index in microfluidics by RGB color model. Asia-Pacific Journal of Chemical Engineering, 2020, 15, e2407.	1.5	14
10	Laser Spot Welding of Thermoplastic and Ceramic: An Experimental Investigation. Materials and Manufacturing Processes, 2015, 30, 1138-1145.	4.7	13
11	Effect of Thermal Energy and Ultrasonication on Mixing Efficiency in Passive Micromixers. Processes, 2021, 9, 891.	2.8	12
12	An experimental investigation of three-dimensional particle aggregation using digital holographic microscopy. Optics and Lasers in Engineering, 2015, 68, 93-103.	3.8	10
13	Multi-criteria optimization in CO2 laser ablation of multimode polymer waveguides. Optics and Lasers in Engineering, 2015, 75, 48-56.	3.8	9
14	Effect of fuel and oxygen concentration toward catalyst encapsulation in water-assisted flame synthesis of carbon nanotubes. Combustion and Flame, 2020, 220, 272-287.	5.2	7
15	Enhanced Fluid Mixing Using a Reversed Multistage Tesla Micromixer. Chemical Engineering and Technology, 2022, 45, 1255-1263.	1.5	7
16	Evolution of Water-in-Oil Droplets in T-Junction Microchannel by Micro-PIV. Applied Sciences (Switzerland), 2021, 11, 5289.	2.5	6
17	Enhanced mixing in dual-mode cylindrical magneto-hydrodynamic (MHD) micromixer. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2022, 236, 2491-2501.	2.5	6
18	Multi-pass laser cutting of carbon/Kevlar hybrid composite: Prediction of thermal stress, heat-affected zone, and kerf width by thermo-mechanical modeling. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2020, 234, 1228-1241.	1.1	4

#	ARTICLE	IF	CITATIONS
19	Laser-Assisted High Speed Machining of 316 Stainless Steel: The Effect of Water-Soluble Sago Starch Based Cutting Fluid on Surface Roughness and Tool Wear. <i>Materials</i> , 2021, 14, 1311.	2.9	4
20	Characterization of dissimilar liquids mixing in T-junction and offset T-junction microchannels. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 0, , 095440892110154.	2.5	4
21	Aberration compensation of holographic particle images using digital holographic microscopy. <i>Journal of Modern Optics</i> , 2015, 62, 701-711.	1.3	3
22	Laser drilling of composite material: A review. , 2019, , 89-100.		3
23	A numerical failure analysis of laser micromachining in various thermoplastics. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 117, 523-538.	3.0	3
24	Experiment and Prediction of Ablation Depth in Excimer Laser Micromachining of Optical Polymer Waveguides. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-9.	1.8	2
25	A Review of Enhanced Micromixing Techniques in Microfluidics for the Application in Wastewater Analysis. , 2020, , 1-22.		2
26	Laser Discoloration in Acrylic Painting of Visual Art: Experiment and Modeling. <i>Materials</i> , 2021, 14, 2009.	2.9	2
27	Carbon precursor analysis for catalytic growth of carbon nanotube in flame synthesis based on semi-empirical approach. <i>Carbon Letters</i> , 2020, 30, 569-579.	5.9	1
28	A review on noise suppression and aberration compensation in holographic particle image velocimetry. <i>Cogent Physics</i> , 2016, 3, .	0.7	0
29	Analysis and development of foot abduction brace for clubfoot treatment in maintenance phase. , 2017, , .		0
30	A general framework for selecting appropriate criteria of student as research assistant using fuzzy delphi method. <i>IAES International Journal of Artificial Intelligence</i> , 2021, 10, 839.	0.8	0
31	Fabrication of Flexible Microfluidic Strain Sensor by Laser Micromachining for Hand Motion Tracking. <i>International Journal of Materials Mechanics and Manufacturing</i> , 2020, 8, 138-142.	0.2	0
32	Subtraction dual-wavelength for enhanced transmission performance of free-space optical communication over turbulence effect. <i>Electronics Letters</i> , 2022, 58, 159-161.	1.0	0