

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	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
2	Enhanced mixing in dual-mode cylindrical magneto-hydrodynamic (MHD) micromixer. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2022, 236, 2491-2501.	2.5	6
3	Enhanced Fluid Mixing Using a Reversed Multistage Tesla Micromixer. <i>Chemical Engineering and Technology</i> , 2022, 45, 1255-1263.	1.5	7
4	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
5	Laser Discoloration in Acrylic Painting of Visual Art: Experiment and Modeling. <i>Materials</i> , 2021, 14, 2009.	2.9	2
6	Effect of Thermal Energy and Ultrasonication on Mixing Efficiency in Passive Micromixers. <i>Processes</i> , 2021, 9, 891.	2.8	12
7	Evolution of Water-in-Oil Droplets in T-Junction Microchannel by Micro-PIV. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5289.	2.5	6
8	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
9	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
10	Effect of fuel and oxygen concentration toward catalyst encapsulation in water-assisted flame synthesis of carbon nanotubes. <i>Combustion and Flame</i> , 2020, 220, 272-287.	5.2	7
11	Synthesis of Functional Silver Nanoparticles and Microparticles with Modifiers and Evaluation of Their Antimicrobial, Anticancer, and Antioxidant Activity. <i>Journal of Functional Biomaterials</i> , 2020, 11, 76.	4.4	28
12	A Review of Enhanced Micromixing Techniques in Microfluidics for the Application in Wastewater Analysis. , 2020, , 1-22.		2
13	Multi-pass laser cutting of carbon/Kevlar hybrid composite: Prediction of thermal stress, heat-affected zone, and kerf width by thermo-mechanical modeling. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2020, 234, 1228-1241.	1.1	4
14	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
15	Experimental and numerical investigation on multi-pass laser cutting of natural fibre composite. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 107, 1483-1504.	3.0	20
16	Method for determining mixing index in microfluidics by RGB color model. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2020, 15, e2407.	1.5	14
17	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
18	Laser drilling of composite material: A review. , 2019, , 89-100.		3

#	ARTICLE	IF	CITATIONS
19	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
20	Recent Development in Ammonia Stripping Process for Industrial Wastewater Treatment. <i>International Journal of Chemical Engineering</i> , 2018, 2018, 1-14.	2.4	98
21	Determination of optimum polymeric coagulant in palm oil mill effluent coagulation using multiple-objective optimisation on the basis of ratio analysis (MOORA). <i>Environmental Science and Pollution Research</i> , 2017, 24, 15863-15869.	5.3	18
22	Analysis and development of foot abduction brace for clubfoot treatment in maintenance phase. , 2017, , .		0
23	Performance Investigation of Air Velocity Effects on PV Modules under Controlled Conditions. <i>International Journal of Photoenergy</i> , 2017, 2017, 1-10.	2.5	15
24	A review on noise suppression and aberration compensation in holographic particle image velocimetry. <i>Cogent Physics</i> , 2016, 3, .	0.7	0
25	An experimental investigation of three-dimensional particle aggregation using digital holographic microscopy. <i>Optics and Lasers in Engineering</i> , 2015, 68, 93-103.	3.8	10
26	Aberration compensation of holographic particle images using digital holographic microscopy. <i>Journal of Modern Optics</i> , 2015, 62, 701-711.	1.3	3
27	Laser Spot Welding of Thermoplastic and Ceramic: An Experimental Investigation. <i>Materials and Manufacturing Processes</i> , 2015, 30, 1138-1145.	4.7	13
28	Multi-criteria optimization in CO2 laser ablation of multimode polymer waveguides. <i>Optics and Lasers in Engineering</i> , 2015, 75, 48-56.	3.8	9
29	Multiple-objective optimization in precision laser cutting of different thermoplastics. <i>Optics and Lasers in Engineering</i> , 2015, 67, 57-65.	3.8	50
30	Determination of optimum parameters using grey relational analysis for multi-performance characteristics in CO2 laser joining of dissimilar materials. <i>Optics and Lasers in Engineering</i> , 2014, 57, 40-47.	3.8	44
31	Laser Lap Joining of Dissimilar Materials â€” A Review of Factors Affecting Joint Strength. <i>Materials and Manufacturing Processes</i> , 0, , 130715070734009.	4.7	26
32	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