

Chen Mingjun

List of Publications by Year in descending order

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25
papers

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933447

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940533

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all docs

25
docs citations

25
times ranked

354
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid CO ₂ laser processing technique for fabrication of micro-optics and micro-structures on fused silica materials. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2022, 236, 100-110.	2.4	13
2	Simulations and Experimental Study of Individual Au Nanoparticle Using Photothermal Heterodyne Imaging (PHI). IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-6.	4.7	2
3	A Novel Subpixel Size Calibration Method for the Size Detection of Microtarget on Large-Aperture Optics Surface. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	4.7	1
4	Quantitative imaging of printed circuit board (PCB) delamination defects using laser-induced ultrasound scanning imaging. Journal of Applied Physics, 2022, 131, .	2.5	16
5	Quantification of the Microrheology of Living Cells Using Multi-Frequency Magnetic Force Modulation Atomic Force Microscopy. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	4.7	1
6	Repaired morphology of CO ₂ laser rapid ablation mitigation of fused silica and its influence on downstream light modulation. Science China Technological Sciences, 2022, 65, 1116-1126.	4.0	1
7	Phase shifting profilometry based on Hilbert transform: An efficient phase unwrapping algorithm. Journal of Applied Physics, 2022, 131, .	2.5	1
8	Estimation of the convolutional neural network with attention mechanism and transfer learning on wood knot defect classification. Journal of Applied Physics, 2022, 131, .	2.5	3
9	Determination of intrinsic defects of functional KDP crystals with flawed surfaces and their effect on the optical properties. Nanoscale, 2022, 14, 10041-10050.	5.6	18
10	Optimization of Thermal-Wave Radar Thermography by Transverse Heat Flow Suppression Technique for Accurate Defect Detection of CFRP Laminates. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	13
11	Exploration on the Development of Engineering Practice Teaching Ability for Young Teachers in Professional Education. , 2021, , .		0
12	Machine-learning-assisted microstructure-property linkages of carbon nanotube-reinforced aluminum matrix nanocomposites produced by laser powder bed fusion. Nanotechnology Reviews, 2021, 10, 1410-1424.	5.8	4
13	Model Development for Nanosecond Laser-Induced Damage Caused by Manufacturing-Induced Defects on Potassium Dihydrogen Phosphate Crystals. ACS Omega, 2020, 5, 19884-19895.	3.5	6
14	Dynamic behavior modeling of laser-induced damage initiated by surface defects on KDP crystals under nanosecond laser irradiation. Scientific Reports, 2020, 10, 500.	3.3	22
15	Potential damage threats to downstream optics caused by Gaussian mitigation pits on rear KDP surface. High Power Laser Science and Engineering, 2020, 8, .	4.6	4
16	Surface hydrophobicity and oleophilicity of hierarchical metal structures fabricated using ink-based selective laser melting of micro/nanoparticles. Nanotechnology Reviews, 2020, 9, 626-636.	5.8	4
17	Reliability Modelling Method of Computerized Numerical Control Machine Tools Based on the Improved Posterior Distribution. , 2019, , .		0
18	Effect of tool inclination on surface quality of KDP crystal processed by micro ball-end milling. International Journal of Advanced Manufacturing Technology, 2018, 99, 2777-2788.	3.0	24

#	ARTICLE	IF	CITATIONS
19	Molecular Investigation of the Initial Nucleation of Calcium Phosphate on TiO ₂ Substrate: The Effects of Surface Nanotopographies. <i>Crystal Growth and Design</i> , 2018, 18, 3283-3290.	3.0	10
20	A DFT study of water adsorption on rutile TiO ₂ (110) surface: The effects of surface steps. <i>Journal of Chemical Physics</i> , 2016, 145, 044702.	3.0	43
21	Determination of ultra-short laser induced damage threshold of KH ₂ PO ₄ crystal: Numerical calculation and experimental verification. <i>AIP Advances</i> , 2016, 6, 035221.	1.3	14
22	Molecular mechanics of the cooperative adsorption of a Pro-Hyp-Gly tripeptide on a hydroxylated rutile TiO ₂ (110) surface mediated by calcium ions. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19757-19764.	2.8	11
23	Effect of surface roughness on the initial response of MC3T3-E1 cells cultured on polished titanium alloy. <i>Bio-Medical Materials and Engineering</i> , 2015, 26, S155-S164.	0.6	38
24	Molecular dynamics simulations of collagen adsorption onto grooved rutile surface: The effects of groove width. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 121, 150-157.	5.0	13
25	Molecular Dynamics Simulation of Elliptical Vibration Cutting. , 2006, , .		4