

Zhi Luo

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

362
citations

840776

11
h-index

794594

19
g-index

22
all docs

22
docs citations

22
times ranked

325
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of superwetting surface with line-patterned nanostructure on sapphire induced by femtosecond laser. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 119, 69-74.	2.3	45
2	A Novel Strain Sensor with Large Measurement Range Based on All Fiber Mach-Zehnder Interferometer. <i>Sensors</i> , 2018, 18, 1549.	3.8	40
3	Micro torch assisted nanostructures' formation of nickel during femtosecond laser surface interactions. <i>Applied Physics Letters</i> , 2016, 108, 241601.	3.3	29
4	One-step fabrication of multifunctional fusiform hierarchical micro/nanostructures on copper by femtosecond laser. <i>Surface and Coatings Technology</i> , 2019, 367, 244-251.	4.8	29
5	Femtosecond laser one-step direct-writing cylindrical microlens array on fused silica. <i>Optics Letters</i> , 2017, 42, 2358.	3.3	27
6	Multifunctional micro/nano-patterned PTFE near-superamphiphobic surfaces achieved by a femtosecond laser. <i>Surface and Coatings Technology</i> , 2018, 345, 53-60.	4.8	26
7	Highly Sensitive Strain Sensor Based on a Novel Mach-Zehnder Interferometer with TCF-PCF Structure. <i>Sensors</i> , 2018, 18, 278.	3.8	22
8	Microcavity Mach-Zehnder Interferometer Sensors for Refractive Index Sensing. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 2285-2288.	2.5	20
9	Sequential Evolution of Colored Copper Surface Irradiated by Defocused Femtosecond Laser. <i>Advanced Engineering Materials</i> , 2020, 22, 1901310.	3.5	17
10	Study on laser/DP-MIG hybrid welding-brazing of aluminum to Al-Si coated boron steel. <i>Journal of Manufacturing Processes</i> , 2021, 64, 333-340.	5.9	15
11	Microstructures and mechanical properties of laser offset welded 5052 aluminum to press-hardened steel. <i>Journal of Materials Research and Technology</i> , 2020, 9, 5378-5390.	5.8	14
12	Temperature sensitivity enhancement of platinum-nanoparticle-coated long period fiber gratings fabricated by femtosecond laser. <i>Applied Optics</i> , 2017, 56, 6549.	1.8	11
13	One-step fabrication of annular microstructures based on improved femtosecond laser Bessel-Gaussian beam shaping. <i>Applied Optics</i> , 2015, 54, 3943.	2.1	10
14	Controllable annulus micro/nanostructures on copper fabricated by femtosecond laser with spatial doughnut distribution. <i>Chinese Optics Letters</i> , 2020, 18, 013101.	2.9	9
15	Femtosecond laser fabrication of robust underwater superoleophobic and anti-oil surface on sapphire. <i>AIP Advances</i> , 2017, 7, 115224.	1.3	8
16	Optimal condition for employing an axicon-generated Bessel beam to fabricate cylindrical microlens arrays. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 185104.	2.8	8
17	High-quality welding of glass by a femtosecond laser assisted with silver nanofilm. <i>Applied Optics</i> , 2021, 60, 5360.	1.8	8
18	Low-temperature copper bonding strategy via hierarchical microscale taper array fabricated by femtosecond laser. <i>Laser Physics Letters</i> , 2020, 17, 036002.	1.4	6

#	ARTICLE	IF	CITATIONS
19	Rapid fabrication of cylindrical microlens array by shaped femtosecond laser direct writing. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	5
20	Interface Microstructure and Nanoindentation Characterization of Laser Offset Welded 5052 Aluminum to Press-Hardened Steel Using a Brass Interlayer. Metals, 2019, 9, 1143.	2.3	5
21	LIPSS formed on the sidewalls of microholes in stainless steel trepanned by a circularly polarized femtosecond laser. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	4
22	Bonding strength enhancement by Ag-Zn-Cu intermetallic compounds and microscale tapers array fabricated by femtosecond laser. Journal of Materials Science: Materials in Electronics, 2021, 32, 19543-19551.	2.2	4