

Ultrafast lasers – reliable tools for advanced materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Femtosecond laser three-dimensional micro- and nanofabrication. Applied Physics Reviews, 2014, 1, 041303.	5.5	326
2	Fluorescence and SEM correlative microscopy for nanomanipulation of subcellular structures. Light: Science and Applications, 2014, 3, e224-e224.	7.7	19
3	Femtosecond Laser Fabrication of Monolithically Integrated Microfluidic Sensors in Glass. Sensors, 2014, 14, 19402-19440.	2.1	70
4	Dynamics of femtosecond laser absorption of fused silica in the ablation regime. Journal of Applied Physics, 2014, 116, .	1.1	34
5	Positive magnetoresistance in ferromagnetic Nd-doped $\text{In}_{2}\text{O}_{3}$ thin films grown by pulse laser deposition. Applied Physics Letters, 2014, 104, 202411.	1.5	47
6	Direct femtosecond laser ablation of copper with an optical vortex beam. Journal of Applied Physics, 2014, 116, .	1.1	29
7	Three-dimensional patterning in transparent materials with spatiotemporally focused femtosecond laser pulses. , 2014, , .		1
8	Fabrication of an integrated high-quality-factor (high-Q) optofluidic sensor by femtosecond laser micromachining. Optics Express, 2014, 22, 14792.	1.7	29
9	Three-dimensional dielectric crystalline waveguide beam splitters in mid-infrared band by direct femtosecond laser writing. Optics Express, 2014, 22, 31293.	1.7	36
10	Interferometric characterization of pulse front tilt of spatiotemporally focused femtosecond laser pulses. Optics Express, 2014, 22, 26328.	1.7	10
11	Femtosecond laser surface structuring of silicon using optical vortex beams generated by a <i>q-plate</i> . Applied Physics Letters, 2014, 104, .	1.5	58
12	Tailoring photoluminescence in strontium aluminate phosphors using fluxing agent and activators: Rational synthesis via a facile microwave-assisted method. Materials Science in Semiconductor Processing, 2014, 27, 1007-1012.	1.9	5
13	Fabricating nanostructures on fused silica using femtosecond infrared pulses combined with sub-nanojoule ultraviolet pulses. Optics Letters, 2014, 39, 5638.	1.7	17
14	Femtosecond laser 3D micromachining: a powerful tool for the fabrication of microfluidic, optofluidic, and electrofluidic devices based on glass. Lab on A Chip, 2014, 14, 3447-3458.	3.1	190
15	Control of Femtosecond Laser Ablation of Thin Films from a Dielectric Surface by Nonlinear Interaction with the Substrate. Physical Review Applied, 2014, 2, .	1.5	7
16	High-peak-power vertical-cavity surface-emitting laser quasi-array realized using optimized large-aperture single emitters. Japanese Journal of Applied Physics, 2014, 53, 070303.	0.8	4
17	Surface-Plasmon-Mediated Programmable Optical Nanofabrication of an Oriented Silver Nanoplate. ACS Nano, 2014, 8, 6682-6692.	7.3	49
18	Fast contour torque features based recognition in laser active imaging system. Optik, 2015, 126, 3276-3282.	1.4	2

#	ARTICLE	IF	CITATIONS
19	Industrial Fiber Beam Delivery System for Ultrafast Lasers. Laser Technik Journal, 2015, 12, 38-41.	0.4	2
20	Sub-wavelength Laser Nanopatterning using Droplet Lenses. Scientific Reports, 2015, 5, 16199.	1.6	30
21	Direct Femtosecond Laser Surface Structuring with Optical Vortex Beams Generated by a q-plate. Scientific Reports, 2015, 5, 17929.	1.6	118
22	Protein-Based Three-Dimensional Whispering-Gallery-Mode Micro-Lasers with Stimulus-Responsiveness. Scientific Reports, 2015, 5, 12852.	1.6	37
23	Ferromagnetism in proton irradiated 4H-SiC single crystal. AIP Advances, 2015, 5, 047146.	0.6	14
24	Femtosecond laser ablation-based mass spectrometry: An ideal tool for stoichiometric analysis of thin films. Scientific Reports, 2015, 5, 13121.	1.6	18
25	The dynamics of femtosecond pulsed laser removal of 20nm Ni films from an interface. Applied Physics Letters, 2015, 107, 124101.	1.5	13
26	Target dependent femtosecond laser plasma implantation dynamics in enabling silica for high density erbium doping. Scientific Reports, 2015, 5, 14037.	1.6	21
27	Establishment and experimental verification of the photoresist model considering interface slip between photoresist and concave spherical substrate. AIP Advances, 2015, 5, 077103.	0.6	3
28	The State of the Art and Future Prospect of Ultrafast Laser Microprocessing. Journal of the Japan Society for Precision Engineering, 2015, 81, 709-713.	0.0	2
29	Fabrication of high-Q lithium niobate microresonators using femtosecond laser micromachining for second harmonic generation. , 2015, , .		2
30	Fast Prototyping of Sensorized Cell Culture Chips and Microfluidic Systems with Ultrashort Laser Pulses. Micromachines, 2015, 6, 364-374.	1.4	9
31	High power ultrafast lasers for the precision manufacturing industry. , 2015, , .		0
32	Dual-Microstructured Porous, Anisotropic Film for Biomimicking of Endothelial Basement Membrane. ACS Applied Materials & Interfaces, 2015, 7, 13445-13456.	4.0	26
33	Femtosecond laser direct writing of high-Q microresonators in glass and crystals. Proceedings of SPIE, 2015, , .	0.8	2
34	Passively Q-switched Nd:YVO4 waveguide laser using graphene as a saturable absorber. Optical Materials, 2015, 46, 414-417.	1.7	12
35	Extraordinary characteristics of spatiotemporally focused laser pulses and their roles in precision materials processing. , 2015, , .		2
36	Kinetic simulation of fiber amplifier based on parallelizable and bidirectional algorithm. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
37	Bending waveguides made in x-cut lithium niobate crystals for technological applications. <i>Journal of Micromechanics and Microengineering</i> , 2015, 25, 125023.	1.5	7
38	Time-resolved shadowgraphs of transient plasma induced by spatiotemporally focused femtosecond laser pulses in fused silica glass. <i>Optics Letters</i> , 2015, 40, 5726.	1.7	16
39	Over 20-W Mid-Infrared Picosecond Optical Parametric Oscillator. <i>IEEE Photonics Journal</i> , 2015, 7, 1-6.	1.0	3
40	Ultrafast laser processing of materials: a review. <i>Advances in Optics and Photonics</i> , 2015, 7, 684.	12.1	418
41	Reverse-directional explosive crystallization of microstructures in transparent film on absorbing substrate by a multipulse femtosecond radiation. <i>Solid State Communications</i> , 2015, 224, 5-9.	0.9	2
42	Direct Laser Microperforation of Bioresponsive Surface-Patterned Films with Through-Hole Arrays for Vascular Tissue-Engineering Application. <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 1239-1249.	2.6	20
43	Sub-90 fs a stretched-pulse mode-locked fiber laser based on a graphene saturable absorber. <i>Optics Express</i> , 2015, 23, 27503.	1.7	91
44	Investigation on material removal efficiency in debris-free laser ablation of brittle substrates. <i>Journal of Materials Processing Technology</i> , 2015, 219, 133-142.	3.1	14
45	Observation of optical polarization Mach-Band strips. <i>Science</i> , 2015, 347, 964-966.	6.0	322
46	Nanosecond laser micro- and nanotexturing for the design of a superhydrophobic coating robust against long-term contact with water, cavitation, and abrasion. <i>Applied Surface Science</i> , 2015, 332, 513-517.	3.1	177
47	Monolithic crystalline cladding microstructures for efficient light guiding and beam manipulation in passive and active regimes. <i>Scientific Reports</i> , 2014, 4, 5988.	1.6	46
48	Micromachining soda-lime glass by femtosecond laser pulses. <i>Frontiers of Physics</i> , 2015, 10, 1-4.	2.4	6
49	Surface structures induced by ultrashort laser pulses: Formation mechanisms of ripples and grooves. <i>Applied Surface Science</i> , 2015, 353, 1214-1222.	3.1	76
50	On-Chip Tuning of the Resonant Wavelength in a High-Q Microresonator Integrated with a Microheater. <i>International Journal of Optomechatronics</i> , 2015, 9, 187-194.	3.3	10
51	Origin of high thermal stability of amorphous Ge <sub>1</sub> Cu <sub>2</sub> Te <sub>3</sub> alloy: A significant Cu-bonding reconfiguration modulated by Te lone-pair electrons for crystallization. <i>Acta Materialia</i> , 2015, 90, 88-93.	3.8	42
52	Optical ridge waveguides in Yb:YAG laser crystal produced by combination of swift carbon ion irradiation and femtosecond laser ablation. <i>Optics and Laser Technology</i> , 2015, 72, 100-103.	2.2	14
53	Formation of nanogratings in a porous glass immersed in water by femtosecond laser irradiation. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
54	Preclinical study of SZ2080 material 3D microstructured scaffolds for cartilage tissue engineering made by femtosecond direct laser writing lithography. <i>Biofabrication</i> , 2015, 7, 015015.	3.7	124

#	ARTICLE	IF	CITATIONS
55	Graphene-based Y-branch laser in femtosecond laser written Nd:YAG waveguides. Optics Express, 2015, 23, 9730.	1.7	32
56	Tailoring bulk mechanical properties of 3D printed objects of polylactic acid varying internal micro-architecture. , 2015, , .		4
57	Femtosecond laser ionization and fragmentation of molecules for environmental sensing. Laser and Photonics Reviews, 2015, 9, 275-293.	4.4	94
58	On the rewriting of ultrashort pulse-induced nanogratings. Optics Letters, 2015, 40, 2049.	1.7	12
59	High-fidelity visualization of formation of volume nanogratings in porous glass by femtosecond laser irradiation. Optica, 2015, 2, 329.	4.8	77
60	Controlling ablation mechanisms in sapphire by tuning the temporal shape of femtosecond laser pulses. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 150.	0.9	20
61	Hybrid Subtractive and Additive Micromanufacturing using Femtosecond Laser for Fabrication of True 3D Biochips. , 2015, , .		0
62	Aqueous multiphoton lithography with multifunctional silk-centred bio-resists. Nature Communications, 2015, 6, 8612.	5.8	111
63	Black phosphorus saturable absorber for ultrashort pulse generation. Applied Physics Letters, 2015, 107, .	1.5	288
64	Synergistic Effect of Superhydrophobicity and Oxidized Layers on Corrosion Resistance of Aluminum Alloy Surface Textured by Nanosecond Laser Treatment. ACS Applied Materials & Interfaces, 2015, 7, 19500-19508.	4.0	200
65	Femtosecond laser 3D fabrication of whispering-gallery-mode microcavities. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1.	2.0	9
66	Electrochemical Studies on the Corrosion Behaviour of Laser Alloyed Zn-Sn Coatings on UNS G10150 Steel in 1M HCl Solution. Silicon, 2015, 7, 357-369.	1.8	23
67	Femtosecond pulsed laser ablation of polyimide at oblique angles for medical applications. Applied Optics, 2015, 54, 7413.	2.1	9
68	Handling beam propagation in air for nearly 10-fs laser damage experiments. Optics Communications, 2015, 355, 230-238.	1.0	15
69	Synthesis of wear-resistant superhydrophobic coatings via laser micro- and nanotexturing. Nanotechnologies in Russia, 2015, 10, 585-592.	0.7	2
70	Mode-locked, 194- $\frac{1}{4}$ $\mu$ m, all-fiberized laser using WS <sub>2</sub> -based evanescent field interaction. Optics Express, 2015, 23, 19996.	1.7	172
71	Dual-wavelength waveguide lasers at 1064 and 1079 nm in Nd:YAP crystal by direct femtosecond laser writing. Optics Letters, 2015, 40, 2437.	1.7	34
72	Effect of the photoinitiator presence and exposure conditions on laser-induced damage threshold of ORMOSIL (SZ2080). Optical Materials, 2015, 39, 224-231.	1.7	42

#	ARTICLE	IF	CITATIONS
73	Studies on artefacts induced in the specimen preparation routines of electron microscopy characterization. IOP Conference Series: Materials Science and Engineering, 2016, 149, 012016.	0.3	2
74	Characteristics and Applications of Spatiotemporally Focused Femtosecond Laser Pulses. Applied Sciences (Switzerland), 2016, 6, 428.	1.3	16
75	Broadband OPCPA system with 11 mJ output at 1 kHz, compressible to 12 fs. Optics Express, 2016, 24, 17843.	1.7	51
76	Slanted channel microfluidic chip for 3D fluorescence imaging of cells in flow. Optics Express, 2016, 24, 22144.	1.7	19
77	High-power all-fiber femtosecond chirped pulse amplification based on dispersive wave and chirped-volume Bragg grating. Optics Express, 2016, 24, 22806.	1.7	30
78	All-fiber mode-locked laser via short single-wall carbon nanotubes interacting with evanescent wave in photonic crystal fiber. Optics Express, 2016, 24, 23450.	1.7	24
79	Fabrication of polarization-independent single-mode waveguides in lithium niobate crystal with femtosecond laser pulses. Optical Materials Express, 2016, 6, 2554.	1.6	21
80	Two-photon luminescence thermometry: towards 3D high-resolution thermal imaging of waveguides. Optics Express, 2016, 24, 16156.	1.7	11
81	Spectrum regulation for mid-infrared ultrafast pulses via a time-synchronization aperiodically poled LiNbO <sub>3</sub> . Optics Express, 2016, 24, 29583.	1.7	2
82	Transmission volume phase holographic gratings in photo-thermo-refractive glass written with femtosecond laser Bessel beams. Optical Materials Express, 2016, 6, 3491.	1.6	16
83	Computational Dynamics of Anti-Corrosion Performance of Laser Alloyed Metallic Materials. , 0, , .		4
84	Stability of laser surface modified implants. , 2016, , 127-143.		1
85	Nanoscale Precision of 3D Polymerization via Polarization Control. Advanced Optical Materials, 2016, 4, 1209-1214.	3.6	74
86	The onset of ultrashort pulse-induced nanogratings. Laser and Photonics Reviews, 2016, 10, 327-334.	4.4	28
87	Process strategy for drilling of chemically strengthened glass with picosecond laser radiation. Journal of Laser Applications, 2016, 28, .	0.8	6
88	Ultrashort pulse laser ablation of dielectrics: Thresholds, mechanisms, role of breakdown. Scientific Reports, 2016, 6, 39133.	1.6	110
89	Structures for biomimetic, fluidic, and biological applications. MRS Bulletin, 2016, 41, 993-1001.	1.7	8
90	Fabrication and manipulation of magnetic composite particles with specific shape and size. Chemical Research in Chinese Universities, 2016, 32, 1052-1056.	1.3	0

#	ARTICLE	IF	CITATIONS
91	Experimental explanation of the formation mechanism of surface mound-structures by femtosecond laser on polycrystalline Ni60Nb40. Applied Physics Letters, 2016, 108, .	1.5	16
92	Performance of the Yb:Lu2O3 laser crystal in diode-pumped femtosecond oscillators and high-power regenerative amplifiers. , 2016, , .		2
93	Bond-breaking mechanism of vitreous silica densification by IR femtosecond laser pulses. Europhysics Letters, 2016, 114, 26004.	0.7	11
94	Biodegradable microsphere-mediated cell perforation in microfluidic channel using femtosecond laser. Journal of Biomedical Optics, 2016, 21, 055001.	1.4	6
95	Fast femtosecond laser ablation for efficient cutting of sintered alumina substrates. Optics and Lasers in Engineering, 2016, 84, 105-110.	2.0	26
96	Effect of focusing condition on molten area characteristics in micro-welding of borosilicate glass by picosecond pulsed laser. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	5
97	Laser surface and subsurface modification of sapphire using femtosecond pulses. Applied Surface Science, 2016, 378, 504-512.	3.1	40
98	Optics-Integrated Microfluidic Platforms for Biomolecular Analyses. Biophysical Journal, 2016, 110, 1684-1697.	0.2	30
99	Optical lattice-like cladding waveguides by direct laser writing: fabrication, luminescence, and lasing. Optics Letters, 2016, 41, 2169.	1.7	16
100	Ultrafast laser processing of materials: from science to industry. Light: Science and Applications, 2016, 5, e16133-e16133.	7.7	869
101	Investigation on the Ablation of thin Metal Films with Femtosecond to Picosecond-pulsed Laser Radiation. Physics Procedia, 2016, 83, 93-103.	1.2	19
102	Recent Advances in Laser Utilization in the Chemical Modification of Graphene Oxide and Its Applications. Advanced Optical Materials, 2016, 4, 37-65.	3.6	140
103	Ultrafast, solid-state oscillators based on broadband, multisite Yb-doped crystals. Optics Express, 2016, 24, 11782.	1.7	19
104	Void-nanograting transition by ultrashort laser pulse irradiation in silica glass. Optics Express, 2016, 24, 19344.	1.7	36
105	Frequency-Doubling of Femtosecond Pulses in $\alpha$ -Nonlinear Crystals With Different Temporal and Spatial Walk-Off Parameters. IEEE Photonics Journal, 2016, 8, 1-13.	1.0	7
106	Application of blue laser direct-writing equipment for manufacturing of periodic and aperiodic nanostructure patterns. Precision Engineering, 2016, 46, 263-269.	1.8	15
107	Transverse writing of three-dimensional tubular optical waveguides in glass with a slit-shaped femtosecond laser beam. Scientific Reports, 2016, 6, 28790.	1.6	11
108	Sub-Diffraction Limited Writing based on Laser Induced Periodic Surface Structures (LIPSS). Scientific Reports, 2016, 6, 35035.	1.6	27

#	ARTICLE	IF	CITATIONS
109	High speed direct imaging of thin metal film ablation by movie-mode dynamic transmission electron microscopy. Scientific Reports, 2016, 6, 23046.	1.6	2
110	Sapphire-Based Dammann Gratings for UV Beam Splitting. IEEE Photonics Journal, 2016, 8, 1-8.	1.0	8
111	Tunable Picosecond Laser Pulses via the Contrast of Two Reverse Saturable Absorption Phases in a Waveguide Platform. Scientific Reports, 2016, 6, 26176.	1.6	11
112	Photochemical Copper Coating on 3D Printed Thermoplastics. Scientific Reports, 2016, 6, 31188.	1.6	17
113	A LabVIEW-based control system design for femtosecond laser micro-nano fabrication processing. , 2016, , .		0
114	Temperature- and wavelength-insensitive parametric amplification enabled by noncollinear achromatic phase-matching. Scientific Reports, 2016, 6, 36059.	1.6	9
115	<i>In vitro</i> degradation and mechanical properties of PLA-PCL copolymer unit cell scaffolds generated by two-photon polymerization. Biomedical Materials (Bristol), 2016, 11, 015011.	1.7	84
116	Protein-based Y-junction optical micro-splitters with environment-stimulus-actuated adjustments. Sensors and Actuators B: Chemical, 2016, 232, 571-576.	4.0	8
117	Ti:Sapphire micro-structures by femtosecond laser inscription: Guiding and luminescence properties. Optical Materials, 2016, 58, 61-66.	1.7	8
118	Laser 3D micro-manufacturing. Journal Physics D: Applied Physics, 2016, 49, 223001.	1.3	88
119	Cassie-State Stability of Metallic Superhydrophobic Surfaces with Various Micro/Nanostructures Produced by a Femtosecond Laser. Langmuir, 2016, 32, 1065-1072.	1.6	115
120	[INVITED] Ultrafast laser micro- and nano-processing with nondiffracting and curved beams. Optics and Laser Technology, 2016, 80, 125-137.	2.2	88
121	Stress-induced waveguides in Nd:YAG by simultaneous double-beam irradiation with femtosecond pulses. Optical Materials, 2016, 51, 84-88.	1.7	3
122	Femtosecond laser direct writing of metal microstructure in a stretchable poly(ethylene glycol) diacrylate (PEGDA) hydrogel. Optics Letters, 2016, 41, 1392.	1.7	28
123	Tailored femtosecond Bessel beams for high-throughput, taper-free through-silicon vias (TSVs) fabrication. Proceedings of SPIE, 2016, , .	0.8	5
124	Stable Similariton Generation in an All-Fiber Hybrid Mode-Locked Ring Laser for Frequency Metrology. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 1028-1033.	1.7	20
125	Near-field optics for nanoprocessing. Advanced Optical Technologies, 2016, 5, 17-28.	0.9	10
126	Formation of in-volume nanogratings in glass induced by spatiotemporally focused femtosecond laser pulses. Advanced Optical Technologies, 2016, 5, 81-85.	0.9	1



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127	Sapphire-Based Fresnel Zone Plate Fabricated by Femtosecond Laser Direct Writing and Wet Etching. IEEE Photonics Technology Letters, 2016, 28, 1290-1293.	1.3	39
128	Femtosecond laser written nanostructures in Ge-doped glasses. Optics Letters, 2016, 41, 1161.	1.7	30
129	Femtosecond laser irradiation of dielectric materials containing randomly-arranged nanoparticles. Proceedings of SPIE, 2016, , .	0.8	3
130	The mechanism of direct laser writing of graphene features into graphene oxide films involves photoreduction and thermally assisted structural rearrangement. Carbon, 2016, 99, 423-431.	5.4	139
131	Picosecond laser cutting and drilling of thin flex glass. Optics and Lasers in Engineering, 2016, 78, 64-74.	2.0	69
132	Fabrication of large-scale multilevel phase-type Fresnel zone plate arrays by femtosecond laser direct writing. Optics Communications, 2016, 362, 69-72.	1.0	16
133	[INVITED] Ultrafast laser micro-processing of transparent material. Optics and Laser Technology, 2016, 78, 52-61.	2.2	78
134	Progress in ultrafast laser processing and future prospects. Nanophotonics, 2017, 6, 393-413.	2.9	140
135	Fabrication of high-Q microresonators in dielectric materials using a femtosecond laser: Principle and applications. Optics Communications, 2017, 395, 249-260.	1.0	20
136	Tailoring femtosecond 1.5- $\mu$ m Bessel beams for manufacturing high-aspect-ratio through-silicon vias. Scientific Reports, 2017, 7, 40785.	1.6	58
137	Generation of web-like structures and nanoparticles by femtosecond laser ablation of silicon target in ambient air. Optical and Quantum Electronics, 2017, 49, 1.	1.5	7
138	Femtosecond-laser-written superficial cladding waveguides in Nd:CaF <sub>2</sub> crystal. Optics and Laser Technology, 2017, 92, 163-167.	2.2	11
139	Optimizing inâ€¦. Vitro Impedance and Physicoâ€¦Chemical Properties of Neural Electrodes by Electrophoretic Deposition of Pt Nanoparticles. ChemPhysChem, 2017, 18, 1108-1117.	1.0	10
140	Enhanced photocatalytic properties of hierarchical three-dimensional TiO <sub>2</sub> grown on femtosecond laser structured titanium substrate. Applied Surface Science, 2017, 403, 584-589.	3.1	30
141	The Polishing Effect of SiC Substrates in Femtosecond Laser Irradiation Assisted Chemical Mechanical Polishing (CMP). ECS Journal of Solid State Science and Technology, 2017, 6, P105-P112.	0.9	35
142	Laser induced damage studies in borosilicate glass using nanosecond and sub nanosecond pulses. Journal of Non-Crystalline Solids, 2017, 463, 138-147.	1.5	19
143	Structural, mechanical and optical studies on ultrafast laser inscribed chalcogenide glass waveguide. Optical Materials, 2017, 66, 386-391.	1.7	2
144	Laser-nanomachining by microsphere induced photonic nanojet. Sensors and Actuators A: Physical, 2017, 258, 115-122.	2.0	13

#	ARTICLE	IF	CITATIONS
145	Theoretical and experimental investigations on linear and nonlinear optical response of metal complexes doped PMMA films. <i>Materials Research Express</i> , 2017, 4, 025024.	0.8	9
146	Surface Structuring with Polarization-Singular Femtosecond Laser Beams Generated by a q-plate. <i>Scientific Reports</i> , 2017, 7, 42142.	1.6	48
147	Micro and nano-biomimetic structures for cell migration study fabricated by hybrid subtractive and additive 3D femtosecond laser processing. <i>Proceedings of SPIE</i> , 2017, , .	0.8	3
148	Ultra-short pulse laser micro patterning with highest throughput by utilization of a novel multi-beam processing head. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
149	Laser Synthesis and Processing of Colloids: Fundamentals and Applications. <i>Chemical Reviews</i> , 2017, 117, 3990-4103.	23.0	965
150	Numerical Study of Transient Oscillation in Gain-Switched InGaN-Based Laser Diodes. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017, 23, 1-6.	1.9	0
151	Single and dual-chip high peak-power semiconductor laser. , 2017, , .		3
152	Femtosecond laser directed fabrication of optical diffusers. <i>RSC Advances</i> , 2017, 7, 18019-18023.	1.7	28
153	Fabrication of polarization-independent waveguides deeply buried in lithium niobate crystal using aberration-corrected femtosecond laser direct writing. <i>Scientific Reports</i> , 2017, 7, 41211.	1.6	11
154	Room-temperature subnanosecond waveguide lasers in Nd:YVO <sub>4</sub> Q-switched by phase-change VO <sub>2</sub> : A comparison with 2D materials. <i>Scientific Reports</i> , 2017, 7, 46162.	1.6	10
155	Depressed-Cladding 3-D Waveguide Arrays Fabricated With Femtosecond Laser Pulses. <i>Journal of Lightwave Technology</i> , 2017, 35, 2520-2525.	2.7	11
156	Laser sealing of organic light-emitting diode using low melting temperature glass frit. <i>Optical and Quantum Electronics</i> , 2017, 49, 1.	1.5	5
157	Ultrafast laser based hybrid methodology of silicon microstructure fabrication for optoelectronic applications. <i>Applied Surface Science</i> , 2017, 420, 63-69.	3.1	8
158	Underwater giant enhancement of broadband diffraction efficiency of surface diffraction gratings fabricated by femtosecond laser. <i>Journal of Applied Physics</i> , 2017, 121, 243102.	1.1	13
159	Nanofabrication of high throughput 30 nm hole 2D arrays by a simple visible laser ablation technique. <i>Applied Surface Science</i> , 2017, 420, 868-872.	3.1	6
160	Ultrashort pulsed multibeam processing head for parallel ultrafast micromachining. <i>Journal of Laser Applications</i> , 2017, 29, .	0.8	8
161	Laser-€Material Interactions for Flexible Applications. <i>Advanced Materials</i> , 2017, 29, 1606586.	11.1	132
162	Mask-free construction of three-dimensional silicon structures by dry etching assisted gray-scale femtosecond laser direct writing. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	22

#	ARTICLE	IF	CITATIONS
163	Dry-etching-assisted femtosecond laser machining. Laser and Photonics Reviews, 2017, 11, 1600115.	4.4	73
164	Ultrafast pulsed Bessel beams for enhanced laser ablation of bone tissue for applications in LASSOS. , 2017, , .		1
165	Enhancement of laser machining resolution using the two photon absorption effect. , 2017, , .		0
166	High power Yb:CALGO ultrafast regenerative amplifier for industrial application. , 2017, , .		1
167	Femtosecond laser-induced structural difference in fused silica with a non-reciprocal writing process. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	9
168	Growth mechanisms of multiscale, mound-like surface structures on titanium by femtosecond laser processing. Journal of Applied Physics, 2017, 122, .	1.1	17
169	Design of co-existence parallel periodic surface structure induced by picosecond laser pulses on the Al/Ti multilayers. Journal of Applied Physics, 2017, 122, .	1.1	6
170	Effect of indirect irradiation on surface morphology of Au film by nanosecond laser. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	3
171	Advanced Photonic Processes for Photovoltaic and Energy Storage Systems. Advanced Materials, 2017, 29, 1700335.	11.1	61
172	Femtosecond mode-locking of an ytterbium-doped fiber laser using self-assembled gold nanorods. Laser Physics Letters, 2017, 14, 090001.	0.6	11
173	Femtosecond-Laser-Based 3D Printing for Tissue Engineering and Cell Biology Applications. ACS Biomaterials Science and Engineering, 2017, 3, 2198-2214.	2.6	32
174	Passively Q-switched and mode-locked erbium doped fiber laser based on N-doped graphene saturable absorber. Laser Physics, 2017, 27, 105302.	0.6	5
175	Combination of Functional Nanoengineering and Nanosecond Laser Texturing for Design of Superhydrophobic Aluminum Alloy with Exceptional Mechanical and Chemical Properties. ACS Nano, 2017, 11, 10113-10123.	7.3	188
176	Ultrafast Nonlinear Optical Properties of a Graphene Saturable Mirror in the 2 1/4m Wavelength Region. Laser and Photonics Reviews, 2017, 11, 1700166.	4.4	38
177	Monolithic integration of a lithium niobate microresonator with a free-standing waveguide using femtosecond laser assisted ion beam writing. Scientific Reports, 2017, 7, 45610.	1.6	24
178	A simple technique to overcome self-focusing, filamentation, supercontinuum generation, aberrations, depth dependence and waveguide interface roughness using fs laser processing. Scientific Reports, 2017, 7, 499.	1.6	21
179	Broadband tunable integrated CMOS pulser with 80-ps minimum pulse width for gain-switched semiconductor lasers. Scientific Reports, 2017, 7, 6878.	1.6	5
180	All-laser-micromachining of ridge waveguides in LiNbO3 crystal for mid-infrared band applications. Scientific Reports, 2017, 7, 7034.	1.6	25

#	ARTICLE	IF	CITATIONS
181	175 fs-long pulses from a high-power single-mode Er-doped fiber laser at 1550 nm. Optics Communications, 2017, 403, 381-384.	1.0	17
182	Analysis of spectral chirps and intensities evolution of a spatiotemporally focused femtosecond laser beam. Results in Physics, 2017, 7, 2898-2906.	2.0	2
183	Partial ablation of Ti/Al nano-layer thin film by single femtosecond laser pulse. Journal of Applied Physics, 2017, 122, .	1.1	25
184	3-D Nanostructure Fabrication by Focused-Ion Beam, Electron- and Laser Beam. Springer Handbooks, 2017, , 87-112.	0.3	0
185	A facile strategy to integrate robust porous aluminum foil into microfluidic chip for sorting particles. Microfluidics and Nanofluidics, 2017, 21, 1.	1.0	4
186	Using Femtosecond Laser Irradiation to Enhance the Vertical Electrical Properties and Tailor the Morphology of a Conducting Polymer Blend Film. ACS Applied Materials & Interfaces, 2017, 9, 24422-24427.	4.0	9
187	Femtosecond-laser structuring of Ni electrodes for highly active hydrogen evolution. Electrochimica Acta, 2017, 247, 1130-1139.	2.6	36
188	Anti-icing properties of superhydrophobic stainless steel mesh at subzero temperatures. Surface Innovations, 2017, 5, 154-160.	1.4	18
189	Femtosecond Laser Fabrication of Anatase TiO <sub>2</sub> Micro-nanostructures with Chemical Oxidation and Annealing. Scientific Reports, 2017, 7, 2089.	1.6	12
190	Femtosecond laser surface structuring of silicon with Gaussian and optical vortex beams. Applied Surface Science, 2017, 418, 565-571.	3.1	56
191	Influences of astigmatic focusing geometry on femtosecond filamentation and supercontinuum generation in fused silica. Optik, 2017, 130, 765-768.	1.4	6
192	Micro/nanostructures formation by femtosecond laser surface processing on amorphous and polycrystalline Ni <sub>60</sub> Nb <sub>40</sub> . Applied Surface Science, 2017, 396, 1170-1176.	3.1	23
193	One-step fabrication of graphene sensors by femtosecond laser direct writing. , 2017, , .		0
194	Plasmonic nano-printing: large-area nanoscale energy deposition for efficient surface texturing. Light: Science and Applications, 2017, 6, e17112-e17112.	7.7	177
195	Multi-dimensional control and optimization of ultrafast laser material processing. , 2017, , .		0
196	Ultrafast Laser Fabrication of Functional Biochips: New Avenues for Exploring 3D Micro- and Nano-Environments. Micromachines, 2017, 8, 40.	1.4	18
197	Multilevel phase-type diffractive lens embedded in sapphire. Optics Letters, 2017, 42, 3832.	1.7	17
198	High speed cleaving of crystals with ultrafast Bessel beams. Optics Express, 2017, 25, 9312.	1.7	52

#	ARTICLE	IF	CITATIONS
199	Chemical basis for alteration of an intraocular lens using a femtosecond laser. Biomedical Optics Express, 2017, 8, 1390.	1.5	22
200	Interface modification based ultrashort laser microwelding between SiC and fused silica. Optics Express, 2017, 25, 1702.	1.7	18
201	Stable passively harmonic mode-locking dissipative pulses in 2 $\mu$ m solid-state laser. Optics Express, 2017, 25, 1815.	1.7	20
202	Optical efficiency and gain dynamics of modelocked semiconductor disk lasers. Optics Express, 2017, 25, 6402.	1.7	35
203	Peak-power scaling of femtosecond Yb:Lu <sub>2</sub> O <sub>3</sub> thin-disk lasers. Optics Express, 2017, 25, 22519.	1.7	18
204	Optical-lattice-like waveguide structures in Ti:Sapphire by femtosecond laser inscription for beam splitting. Optical Materials Express, 2017, 7, 1942.	1.6	5
205	Femtosecond-laser micromachined Pr:YLF depressed cladding waveguide: Raman, fluorescence, and laser performance. Optical Materials Express, 2017, 7, 3990.	1.6	20
206	Watt-level broadly wavelength tunable mode-locked solid-state laser in the 2 $\mu$ m water absorption region. Photonics Research, 2017, 5, 583.	3.4	14
207	Laser-writing of ring-shaped waveguides in BGO crystal for telecommunication band. Optics Express, 2017, 25, 24236.	1.7	16
208	Direct Micromachining of Microfluidic Channels on Biodegradable Materials Using Laser Ablation. Polymers, 2017, 9, 242.	2.0	41
209	High-peak-power mode-locking pulse generation in a dual-loss-modulated laser with BP-SA and EOM. Optics Letters, 2017, 42, 4820.	1.7	7
210	Nano-ablation of silica by plasmonic surface wave at low fluence. Optics Letters, 2017, 42, 4446.	1.7	15
211	Fabrication of an anti-reflective microstructure on sapphire by femtosecond laser direct writing. Optics Letters, 2017, 42, 543.	1.7	57
212	Femtosecond Laser-Inscribed Direct Ultrafast Fabrication of a DNA Distributor Using Microfluidics. Applied Sciences (Switzerland), 2017, 7, 1083.	1.3	4
213	Damage thresholds in skin and cornea using tunable ultrafast lasers. , 2017, , .		0
214	Burst-mode thulium all-fiber laser delivering femtosecond pulses at a 1 $\mu$ s intra-burst repetition rate. Optics Letters, 2017, 42, 3808.	1.7	32
215	Ultrafast evolution of electric fields from high-intensity laser-matter interactions. Scientific Reports, 2018, 8, 3243.	1.6	15
216	Aplanatic Zone Plate Embedded in Sapphire. IEEE Photonics Technology Letters, 2018, 30, 509-512.	1.3	3

#	ARTICLE	IF	CITATIONS
217	Centimeterâ€Height 3D Printing with Femtosecond Laser Twoâ€Photon Polymerization. <i>Advanced Materials Technologies</i> , 2018, 3, 1700396.	3.0	64
218	Cladding waveguide splitters fabricated by femtosecond laser inscription in Ti:Sapphire crystal. <i>Optics and Laser Technology</i> , 2018, 103, 82-88.	2.2	23
219	Design of High Average Power OPCPA Based on Simultaneous Temperature and Wavelength Insensitive Phase Matching. <i>IEEE Photonics Journal</i> , 2018, 10, 1-11.	1.0	1
220	Experimental investigation into generation of bursts of linearly-polarized, dissipative soliton pulses from a figure-eight fiber laser at 1.03 Åµm. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 032701.	0.8	8
221	Reliable laser fabrication: the quest for responsive biomaterials surface. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3612-3631.	2.9	14
222	3D Microfluidic Surfaceâ€Enhanced Raman Spectroscopy (SERS) Chips Fabricated by Allâ€Femtosecondâ€Laserâ€Processing for Realâ€Time Sensing of Toxic Substances. <i>Advanced Functional Materials</i> , 2018, 28, 1706262.	7.8	126
223	Ultrafast Bessel beams: advanced tools for laser materials processing. <i>Advanced Optical Technologies</i> , 2018, 7, 165-174.	0.9	71
224	Graphitized hierarchically porous carbon nanosheets derived from bakelite induced by high-repetition picosecond laser. <i>Applied Surface Science</i> , 2018, 450, 155-163.	3.1	27
225	Durable and robust transparent superhydrophobic glass surfaces fabricated by a femtosecond laser with exceptional water repellency and thermostability. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9049-9056.	5.2	146
226	Low damage electrical modification of 4H-SiC via ultrafast laser irradiation. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	12
227	Optimal condition for employing an axicon-generated Bessel beam to fabricate cylindrical microlens arrays. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 185104.	1.3	8
228	Effect of spatial arrangement and structure of hierarchically patterned fibrous scaffolds generated by a femtosecond laser on cardiomyoblast behavior. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 1732-1742.	2.1	5
229	Visually Imperceptible Liquidâ€Metal Circuits for Transparent, Stretchable Electronics with Direct Laser Writing. <i>Advanced Materials</i> , 2018, 30, e1706937.	11.1	161
230	Electrons dynamics control by shaping femtosecond laser pulses in micro/nanofabrication: modeling, method, measurement and application. <i>Light: Science and Applications</i> , 2018, 7, 17134-17134.	7.7	292
231	Raman spectroscopy of femtosecond multipulse irradiation of vitreous silica: Experiment and simulation. <i>Physical Review B</i> , 2018, 97, .	1.1	16
232	Three-dimensional femtosecond laser processing for lab-on-a-chip applications. <i>Nanophotonics</i> , 2018, 7, 613-634.	2.9	134
233	Shot-by-shot characterization of focused X-ray free electron laser pulses. <i>Scientific Reports</i> , 2018, 8, 831.	1.6	20
234	Laser Shock Wave-Assisted Patterning on NiTi Shape Memory Alloy Surfaces. <i>Shape Memory and Superelasticity</i> , 2018, 4, 224-231.	1.1	11

#	ARTICLE	IF	CITATIONS
235	Key stages of material expansion in dielectrics upon femtosecond laser ablation revealed by double-color illumination time-resolved microscopy. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	13
236	Nanopore-mediated ultrashort laser-induced formation and erasure of volume nanogratings in glass. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 5887-5899.	1.3	40
237	Precision and resolution in laser direct microstructuring with bursts of picosecond pulses. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	10
238	Femtosecond laser induced underwater superaerophilic and superaerophobic PDMS sheets with through microholes for selective passage of air bubbles and further collection of underwater gas. <i>Nanoscale</i> , 2018, 10, 3688-3696.	2.8	87
239	Metal surface structuring with spatiotemporally focused femtosecond laser pulses. <i>Journal of Optics (United Kingdom)</i> , 2018, 20, 014010.	1.0	7
240	Microstructural Characterization and Mechanical Reliability of Laser-Machined Structures. , 2018, , 731-761.		11
241	Time-resolved microscopy of fs-laser-induced heat flows in glasses. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	7
242	Investigation of Carbon Fiber Reinforced Plastics Machining Using 355Ånm Picosecond Pulsed Laser. <i>Applied Composite Materials</i> , 2018, 25, 589-600.	1.3	5
243	Passively mode-locked high power Nd:GdVO <sub>4</sub> laser with direct in-band pumping at 912 nm. <i>Laser Physics Letters</i> , 2018, 15, 015001.	0.6	29
244	Directional Forces by Momentumless Excitation and Order-to-Order Transition in Peierls-Distorted Solids: The Case of GeTe. <i>Physical Review Letters</i> , 2018, 120, 185701.	2.9	38
245	Intense Femtosecond Laser-Mediated Electrical Discharge Enables Preparation of Amorphous Nickel Phosphide Nanoparticles. <i>Langmuir</i> , 2018, 34, 5712-5718.	1.6	6
246	Suppression of bend loss in writing of three-dimensional optical waveguides with femtosecond laser pulses. <i>Science China: Physics, Mechanics and Astronomy</i> , 2018, 61, 1.	2.0	11
247	Direct femtosecond laser surface structuring of crystalline silicon at 400nm. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	19
248	Atmospheric pressure plasma-assisted femtosecond laser engraving of aluminium. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 175201.	1.3	2
249	A Review of Femtosecond Laser-Induced Underwater Superoleophobic Surfaces. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701370.	1.9	95
250	Dynamic evolution of the dissipative soliton in passively mode-locked fiber laser based on black phosphorus as a new saturable absorber. <i>Optics Communications</i> , 2018, 406, 177-182.	1.0	14
251	Formation of Deep-Subwavelength Structures on Organic Materials by Femtosecond Laser Ablation. <i>IEEE Journal of Quantum Electronics</i> , 2018, 54, 1-7.	1.0	5
252	Thallium indium germanium sulphide (TlInGe <sub>2</sub> S <sub>6</sub> ) as efficient material for nonlinear optical application. <i>Journal of Alloys and Compounds</i> , 2018, 735, 1694-1702.	2.8	11

#	ARTICLE	IF	CITATIONS
253	Experimental and computational study of the effect of 1â€‰atm background gas on nanoparticle generation in femtosecond laser ablation of metals. <i>Applied Surface Science</i> , 2018, 435, 1114-1119.	3.1	18
254	Femtosecond laser microstructured Alumina toughened Zirconia: A new strategy to improve osteogenic differentiation of hMSCs. <i>Applied Surface Science</i> , 2018, 435, 1237-1245.	3.1	47
255	Influence of gain fiber on dissipative soliton pairs in passively mode-locked fiber laser based on BP as a saturable absorber. <i>Optics Communications</i> , 2018, 410, 191-196.	1.0	16
256	Femtosecond laser induced selective etching in fused silica: optimization of the inscription conditions with a high-repetition-rate laser source. <i>Optics Express</i> , 2018, 26, 29669.	1.7	32
257	Helical drilling of three-dimensional conical converging-diverging nozzle in steel using ultrashort laser pulses. <i>Procedia CIRP</i> , 2018, 74, 305-309.	1.0	6
258	All-Fiber Passively Mode-Locked Erbium-Doped Fiber Laser Using a Femtosecond Laser Inscribed 45Â°-Tilted Fiber Grating. , 2018, , .		0
259	Hollow Core Optical Fibers for Industrial Ultra Short Pulse Laser Beam Delivery Applications. <i>Fibers</i> , 2018, 6, 80.	1.8	20
260	Optimization of second harmonic generation in a Yb:KGW femtosecond laser. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 122702.	0.8	1
261	Ultra-Short Pulsed Laser Manufacturing and Surface Processing of Microdevices. <i>Engineering</i> , 2018, 4, 779-786.	3.2	46
262	Capillary-assisted localized crystallization on discrete micropillar rings. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	4
263	Long Low-Loss-Litium Niobate on Insulator Waveguides with Sub-Nanometer Surface Roughness. <i>Nanomaterials</i> , 2018, 8, 910.	1.9	113
264	Bonding Strength of a Glass Microfluidic Device Fabricated by Femtosecond Laser Micromachining and Direct Welding. <i>Micromachines</i> , 2018, 9, 639.	1.4	31
265	Glassâ€™Channel Molding Assisted 3D Printing of Metallic Microstructures Enabled by Femtosecond Laser Internal Processing and Microfluidic Electroless Plating. <i>Advanced Materials Technologies</i> , 2018, 3, 1800372.	3.0	16
266	Femtosecond mode-locking of a fiber laser using a CoSb <sub>3</sub> -skutterudite-based saturable absorber. <i>Photonics Research</i> , 2018, 6, C36.	3.4	27
267	Ultrafast Laser Micro and Nano Processing of Transparent Materialsâ€™From Fundamentals to Applications. <i>Springer Series in Materials Science</i> , 2018, , 149-190.	0.4	3
268	Ultrafast electron dynamics and orbital-dependent thermalization in photoexcited metals. <i>Physical Review B</i> , 2018, 98, .	1.1	26
269	Microâ€™Nanoâ€™Texturing Inner Surfaces of Smallâ€™Caliber High Aspect Ratio and Superhydrophobic Artificial Vessels using Femtosecond Laser Filamenting Pulses. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801148.	1.9	7
270	Fractional Fresnel coefficients for optical absorption in femtosecond laser-induced rough metal surfaces. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	21



#	ARTICLE	IF	CITATIONS
271	Fabrication of an Optical Waveguide-Mode-Field Compressor in Glass Using a Femtosecond Laser. Materials, 2018, 11, 1926.	1.3	8
272	Pulsed Laser Induced Triple Layer Copper Oxide Structure for Durable Polyfunctionality of Superhydrophobic Coatings. Advanced Materials Interfaces, 2018, 5, 1801099.	1.9	36
273	A Review of Current Methods in Microfluidic Device Fabrication and Future Commercialization Prospects. Inventions, 2018, 3, 60.	1.3	309
274	Optical Ridge Waveguides in Magneto-Optical Glasses Fabricated by Combination of Silicon Ion Implantation and Femtosecond Laser Ablation. IEEE Photonics Journal, 2018, 10, 1-7.	1.0	8
275	Light emission from localised point defects induced in GaN crystal by a femtosecond-pulsed laser. Optical Materials Express, 2018, 8, 2703.	1.6	17
276	Laser Tailoring the Surface Chemistry and Morphology for Wear, Scale and Corrosion Resistant Superhydrophobic Coatings. Langmuir, 2018, 34, 7059-7066.	1.6	62
277	Picosecond laser pulse polishing of ASP23 steel. Optics and Laser Technology, 2018, 107, 180-185.	2.2	33
278	Laser-Textured Metal Substrates as Photoanodes for Enhanced PEC Water Splitting Reactions. Advanced Engineering Materials, 2018, 20, 1800167.	1.6	14
279	Laser induced ripples™ gratings with angular periodicity for fabrication of diffraction holograms. Applied Surface Science, 2018, 453, 449-456.	3.1	31
280	Laser-induced orientation transformation of a conjugated polymer thin film with enhanced vertical charge transport. Journal of Materials Chemistry C, 2018, 6, 9374-9382.	2.7	11
281	Photofabrication. , 2018, , 51-82.		1
282	Effect of scanning speed and tin content on the tribological behavior of femtosecond laser textured tin-bronze alloy. Optics and Laser Technology, 2018, 108, 17-25.	2.2	14
283	Femtosecond laser Bessel beam welding of transparent to non-transparent materials with large focal-position tolerant zone. Optics Express, 2018, 26, 917.	1.7	49
284	Gas-lens effect in kW-class thin-disk lasers. Optics Express, 2018, 26, 12648.	1.7	29
285	Enhanced nonlinear optical response of graphene by silver-based nanoparticle modification for pulsed lasing. Optical Materials Express, 2018, 8, 1368.	1.6	27
286	Self-organized nanostructures forming under high-repetition rate femtosecond laser bulk-heating of fused silica. Optics Express, 2018, 26, 14024.	1.7	13
287	Mirror-rotation-symmetrical single-focus spiral zone plates. Optics Letters, 2018, 43, 3116.	1.7	12
288	Dramatically Enhanced Photoluminescence from Femtosecond Laser Induced Micro-Nanostructures on MAPbBr <sub>3</sub> Single Crystal Surface. Advanced Optical Materials, 2018, 6, 1800411.	3.6	14

#	ARTICLE	IF	CITATIONS
289	Fabrication of biomimetic superhydrophobic surface based on nanosecond laser-treated titanium alloy surface and organic polysilazane composite coating. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 555, 515-524.	2.3	39
290	Controlled, Low-Temperature Nanogap Propagation in Graphene Using Femtosecond Laser Patterning. <i>Small</i> , 2018, 14, e1801348.	5.2	6
291	Multifunctional Hierarchical Surface Structures by Femtosecond Laser Processing. <i>Materials</i> , 2018, 11, 789.	1.3	28
292	Liquid-Assisted Femtosecond Laser Precision-Machining of Silica. <i>Nanomaterials</i> , 2018, 8, 287.	1.9	38
293	Formation of Slantwise Surface Ripples by Femtosecond Laser Irradiation. <i>Nanomaterials</i> , 2018, 8, 458.	1.9	6
294	Molecular dynamics simulation of carbon nanotube-enhanced laser-induced explosive boiling on a free surface of an ultrathin liquid film. <i>International Journal of Heat and Mass Transfer</i> , 2018, 127, 237-243.	2.5	6
295	Circular ripple formation on the silicon wafer surface after interaction with linearly polarized femtosecond laser pulses in air and water environments. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	1.5	11
296	Spin-dependent k.p Hamiltonian of black phosphorene based on $\Gamma$ - $\Gamma$ partitioning method. <i>Journal of Applied Physics</i> , 2018, 124, 035702.	1.1	2
297	Improving osteoblasts cells proliferation via femtosecond laser surface modification of 3D-printed poly- $\mu$ -caprolactone scaffolds for bone tissue engineering applications. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	6
298	Femtosecond Laser Direct Writing of Metallic Micro/Nanostructures: From Fabrication Strategies to Future Applications. <i>Small Methods</i> , 2018, 2, 1700413.	4.6	95
299	Acrylate polymer coated side-polished fiber with graphene oxide nanoparticles for ultrafast fiber laser operation. <i>Laser Physics</i> , 2018, 28, 115101.	0.6	4
300	Evidence of Pb <sup>2+</sup> -Containing Debris Upon P2 Nanosecond Laser Patterning of Perovskite Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2018, 8, 1244-1251.	1.5	13
301	Lithium niobate micro-disk resonators of quality factors above $10^7$ . <i>Optics Letters</i> , 2018, 43, 4116.	1.7	140
302	Annular waveguide lasers at 1064 nm in Nd:YAG crystal produced by femtosecond laser inscription. <i>Applied Optics</i> , 2018, 57, 5420.	0.9	9
303	High-power Yb-based all-fiber laser delivering 300 fs pulses for high-speed ablation-cooled material removal. <i>Optics Letters</i> , 2018, 43, 535.	1.7	55
304	Seeing the Light: Advancing Materials Chemistry through Photopolymerization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5170-5189.	7.2	444
305	Seeing the Light: Advancing Materials Chemistry through Photopolymerization. <i>Angewandte Chemie</i> , 2019, 131, 5224-5243.	1.6	108
306	Novel Workflow for High-Resolution Imaging of Structures in Advanced 3D and Fan-Out Packages. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
307	Investigation of stimulated Raman scattering in a mode-locked ytterbium-doped fiber amplifier setup. <i>Laser Physics</i> , 2019, 29, 095101.	0.6	1
308	Spontaneous Polarization and Local Disorder Induced Broad Bandwidth Emission in Nd-Doped $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-PbTiO}_3$ Ferroelectric Crystals. <i>Crystal Growth and Design</i> , 2019, 19, 4902-4907.	1.4	6
309	Thermally stable and uniform DNA amplification with picosecond laser ablated graphene rapid thermal cycling device. <i>Biosensors and Bioelectronics</i> , 2019, 146, 111581.	5.3	5
310	Femtosecond Laser Writing of Optical Waveguides by Self-Induced Multiple Refocusing in $\text{LiTaO}_3$ Crystal. <i>Journal of Lightwave Technology</i> , 2019, 37, 3452-3458.	2.7	18
311	Ab initio approach to lattice softening of an Al slab driven by collective electronic excitations after ultrashort laser pulse irradiation. <i>Physical Review B</i> , 2019, 100, .	1.1	0
312	Phase Shift Induced Degradation of Polarization Caused by Bends in Inhibited-Coupling Guiding Hollow-Core Fibers. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 1362-1365.	1.3	6
313	Polymer Optical Fiber Sensors in Healthcare Applications: A Comprehensive Review. <i>Sensors</i> , 2019, 19, 3156.	2.1	139
314	Laser engraving optimization for achieving smooth sidewalls. <i>Applied Surface Science</i> , 2019, 492, 382-391.	3.1	5
315	Ultrafast dynamics observation during femtosecond laser-material interaction. <i>International Journal of Extreme Manufacturing</i> , 2019, 1, 032004.	6.3	63
316	Femtosecond laser additive and subtractive micro-processing: enabling a high-channel-density silica interposer for multicore fibre to silicon-photonics packaging. <i>International Journal of Extreme Manufacturing</i> , 2019, 1, 045002.	6.3	24
317	Harmonic mode-locking in an external cavity tapered diode laser with saw-toothed microstructure. <i>Applied Physics Express</i> , 2019, 12, 102011.	1.1	2
318	Electron Microscopy Characterization of P3 Lines and Laser Scribing-Induced Perovskite Decomposition in Perovskite Solar Modules. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 45646-45655.	4.0	21
319	Study on processing characteristics and mechanisms of thermally assisted laser materials processing. <i>Surface and Coatings Technology</i> , 2019, 378, 124946.	2.2	9
320	Picosecond Laser Interference Patterning of Periodical Micro-Architectures on Metallic Molds for Hot Embossing. <i>Materials</i> , 2019, 12, 3409.	1.3	19
321	Achievement of Very Smooth Cavity Sidewalls by UV Picosecond Laser Micromachining. , 2019, , .		0
322	Femtosecond laser fabrication of 3D templates for mass production of artificial compound eyes. Nami Jishu Yu Jingmi Gongcheng/Nanotechnology and Precision Engineering, 2019, 2, 110-117.	1.7	20
323	Characterization and laser-induced degradation of a medical grade polylactide. <i>Polymer Degradation and Stability</i> , 2019, 169, 108991.	2.7	11
324	Experimental investigation of unique color-changing property of multicolored sparkling of microbubbles formed due to femtosecond laser-water interaction. <i>Modern Physics Letters B</i> , 2019, 33, 1950208.	1.0	1

#	ARTICLE	IF	CITATIONS
325	Effects of femtosecond laser texture on the tribological properties of 20CrNiMo/beryllium bronze tribo-pairs of rock bit sliding bearings under non-Newtonian lubrication. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2019, 233, 1293-1305.	1.0	4
326	Passive, Ultrashort Pulse, Coherent Beam Combination Using a Polarization Michelson Interferometer Geometry and Two-pass Amplifier. Journal of the Korean Physical Society, 2019, 75, 288-292.	0.3	0
327	High-resolution material structuring using ultrafast laser non-diffractive beams. Advances in Physics: X, 2019, 4, 1659180.	1.5	17
328	Effects of flake size on mode-locking behavior for flake-graphene saturable absorber mirrors. Optik, 2019, 198, 163232.	1.4	1
329	Passively mode-locked Yb-doped all-fiber oscillator operating at 979 nm and 1032 nm with the single wall carbon nanotubes as SA. Optik, 2019, 198, 163282.	1.4	5
330	Microfluidic Channels Fabrication Based on Underwater Superhydrophobic Microgrooves Produced by Femtosecond Laser Direct Writing. ACS Applied Polymer Materials, 2019, 1, 2819-2825.	2.0	21
331	Application of MoWS <sub>2</sub> -rGO/PVA thin film as all-fiber pulse and amplitude modulators in the O-band region. Optical Fiber Technology, 2019, 48, 1-6.	1.4	11
332	Substrate-Independent, Fast, and Reversible Switching between Underwater Superaerophobicity and Aerophilicity on the Femtosecond Laser-Induced Superhydrophobic Surfaces for Selectively Repelling or Capturing Bubbles in Water. ACS Applied Materials & Interfaces, 2019, 11, 8667-8675.	4.0	64
333	Femtosecond laser-induced scratch ablation as an efficient new method to evaluate the self-healing behavior of supramolecular polymers. Journal of Materials Chemistry A, 2019, 7, 2148-2155.	5.2	7
334	Plume shielding effects in ultrafast laser surface texturing of silicon at high repetition rate in air. Applied Surface Science, 2019, 488, 128-133.	3.1	16
335	Spatial, temporal, and spectral characterization and kinetic investigations of a high repetition-rate laser-induced micro-plasma in air. Journal of Analytical Atomic Spectrometry, 2019, 34, 1618-1629.	1.6	5
336	Femtosecond Laser-Structured Underwater Superhydrophobic Surfaces. Langmuir, 2019, 35, 9318-9322.	1.6	21
337	Online Measurement of Internal Parameters in a Quasi-CW Diode-Pumped Nd:YAG Laser. Applied Sciences (Switzerland), 2019, 9, 2547.	1.3	3
338	Ultrafast Laser Pulses Enable One-Step Graphene Patterning on Woods and Leaves for Green Electronics. Advanced Functional Materials, 2019, 29, 1902771.	7.8	138
339	Versatile micro- and nanotexturing techniques for antibacterial applications. , 2019, , 27-62.		6
340	Effect of damage incubation in the laser grooving of sapphire. Journal of Applied Physics, 2019, 125, .	1.1	6
341	Femtosecond Laser Micromachining of Soda-Lime Glass in Ambient Air and under Various Aqueous Solutions. Micromachines, 2019, 10, 354.	1.4	7
342	Hybrid femtosecond laser three-dimensional micro-and nanoprocessing: a review. International Journal of Extreme Manufacturing, 2019, 1, 012003.	6.3	51

#	ARTICLE	IF	CITATIONS
343	Plane-by-Plane Written, Low-Loss Polymer Optical Fiber Bragg Grating Arrays for Multiparameter Sensing in a Smart Walker. <i>IEEE Sensors Journal</i> , 2019, 19, 9221-9228.	2.4	22
344	Microhole-Arrayed PDMS with Controllable Wettability Gradient by One-Step Femtosecond Laser Drilling for Ultrafast Underwater Bubble Unidirectional Self-Transport. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900297.	1.9	47
345	Multilayered skyscraper microchips fabricated by hybrid all-in-one femtosecond laser processing. <i>Microsystems and Nanoengineering</i> , 2019, 5, 17.	3.4	19
346	High-Efficiency Spiral Zone Plates in Sapphire. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 979-982.	1.3	9
347	Polarization-insensitive space-selective etching in fused silica induced by picosecond laser irradiation. <i>Applied Surface Science</i> , 2019, 485, 188-193.	3.1	43
348	Ultrafast multi-focus 3-D nano-fabrication based on two-photon polymerization. <i>Nature Communications</i> , 2019, 10, 2179.	5.8	222
349	Compressed Ultrafast Spectral-Temporal Photography. <i>Physical Review Letters</i> , 2019, 122, 193904.	2.9	54
350	A review of femtosecond laser-structured superhydrophobic or underwater superoleophobic porous surfaces/materials for efficient oil/water separation. <i>RSC Advances</i> , 2019, 9, 12470-12495.	1.7	89
351	Characteristics of an Implantable Blood Pressure Sensor Packaged by Ultrafast Laser Microwelding. <i>Sensors</i> , 2019, 19, 1801.	2.1	17
352	Ultrafast photonics application of graphdiyne in the optical communication region. <i>Carbon</i> , 2019, 149, 336-341.	5.4	153
353	Chemo-mechanical polish lithography: A pathway to low loss large-scale photonic integration on lithium niobate on insulator. <i>Quantum Engineering</i> , 2019, 1, e9.	1.2	98
354	Laser surface texturing with shifted method Functional surfaces at high speed. <i>Journal of Laser Applications</i> , 2019, 31, 022507.	0.8	11
355	A study on the effect of Cu reflector in glass drilling using a pulsed NIR laser. <i>Optics and Laser Technology</i> , 2019, 116, 328-337.	2.2	2
356	A femtosecond laser-induced superhydrophobic surface: beyond superhydrophobicity and repelling various complex liquids. <i>RSC Advances</i> , 2019, 9, 6650-6657.	1.7	18
357	Focus Tracking System for Femtosecond Laser Machining using Low Coherence Interferometry. <i>Scientific Reports</i> , 2019, 9, 4167.	1.6	7
358	MSC differentiation on two-photon polymerized, stiffness and BMP2 modified biological copolymers. <i>Biomedical Materials (Bristol)</i> , 2019, 14, 035001.	1.7	7
359	Optical Nanofabrication of Concave Microlens Arrays. <i>Laser and Photonics Reviews</i> , 2019, 13, 1800272.	4.4	65
360	Passively Q-switched ytterbium-doped fiber laser with ReSe <sub>2</sub> saturable absorber. <i>Optics and Laser Technology</i> , 2019, 116, 300-304.	2.2	23

#	ARTICLE	IF	CITATIONS
361	<i>Modus Operandi</i> of Protective and Anti-icing Mechanisms Underlying the Design of Longstanding Outdoor Icephobic Coatings. ACS Nano, 2019, 13, 4335-4346.	7.3	146
362	Uniform deep-subwavelength ripples produced on temperature controlled LiNbO <sub>3</sub> :Fe crystal surface via femtosecond laser ablation. Applied Surface Science, 2019, 478, 779-783.	3.1	21
363	Photonic Nanojet Sub-Diffraction Nano-Fabrication With <i>in situ</i> Super-Resolution Imaging. IEEE Nanotechnology Magazine, 2019, 18, 226-233.	1.1	15
364	Femtosecond Laser-Induced Underwater Superoleophobic Surfaces with Reversible pH-Responsive Wettability. Langmuir, 2019, 35, 3295-3301.	1.6	22
365	Ultrashort pulse-induced elastodynamics in polycrystalline materials. Part I: Model validation. Journal of Thermal Stresses, 2019, 42, 374-387.	1.1	2
366	Studies on laser ablation of silicon using near IR picosecond and deep UV nanosecond lasers. Optics and Lasers in Engineering, 2019, 119, 18-25.	2.0	26
367	Achieving of bionic super-hydrophobicity by electrodepositing nano-Ni-pyramids on the picosecond laser-ablated micro-Cu-cone surface. Surface and Coatings Technology, 2019, 363, 170-178.	2.2	33
369	Study of photovoltaic solar materials development trend by deductive logic method using big data. IOP Conference Series: Materials Science and Engineering, 2019, 628, 012013.	0.3	0
370	The fabrication of a biomass carbon quantum dot-Bi <sub>2</sub> WO <sub>6</sub> hybrid photocatalyst with high performance for antibiotic degradation. New Journal of Chemistry, 2019, 43, 18860-18867.	1.4	26
371	Optically Modulated Tunable O-Band Praseodymium-Doped Fluoride Fiber Laser Utilizing Multi-Walled Carbon Nanotube Saturable Absorber <sup>*</sup> . Chinese Physics Letters, 2019, 36, 104202.	1.3	7
372	SRS generation of femtosecond pulses in a methane-filled revolver hollow-core optical fibre. Quantum Electronics, 2019, 49, 1089-1092.	0.3	16
373	Adaptive optics in laser processing. Light: Science and Applications, 2019, 8, 110.	7.7	154
374	Measuring the nonlinear refractive index of tellurite glasses through the Z-Scan technique. , 2019, , .		1
375	The Fabrication of Micro/Nano Structures by Laser Machining. Nanomaterials, 2019, 9, 1789.	1.9	80
376	Tuning the sub-processes in laser reduction of graphene oxide by adjusting the power and scanning speed of laser. Carbon, 2019, 141, 83-91.	5.4	68
377	High-throughput multi-resolution three dimensional laser printing. Physica Scripta, 2019, 94, 015501.	1.2	11
378	Rapid high-quality 3D micro-machining by optimised efficient ultrashort laser ablation. Optics and Lasers in Engineering, 2019, 114, 83-89.	2.0	50
379	Dissipative soliton resonance in a passively mode-locked praseodymium fiber laser. Optics and Laser Technology, 2019, 112, 20-25.	2.2	20

#	ARTICLE	IF	CITATIONS
380	Centimeter-Sized Aplanatic Hybrid Diffractive-Refractive Lens. IEEE Photonics Technology Letters, 2019, 31, 3-6.	1.3	4
381	Monolithic glass suspended microchannel resonators for enhanced mass sensing of liquids. Sensors and Actuators B: Chemical, 2019, 283, 298-303.	4.0	22
382	Rapid and low-cost laser synthesis of hierarchically porous graphene materials as high-performance electrodes for supercapacitors. Journal of Materials Science, 2019, 54, 5658-5670.	1.7	21
383	Maskless formation of uniform subwavelength periodic surface structures by double temporally-delayed femtosecond laser beams. Applied Surface Science, 2019, 471, 516-520.	3.1	29
384	A processing technology of grooves by picosecond ultrashort pulse laser in Ni alloy: Enhancing efficiency and quality. Optics and Laser Technology, 2019, 111, 214-221.	2.2	25
385	Fiber nanogratings induced by femtosecond pulse laser direct writing for in-line polarizer. Nanoscale, 2019, 11, 908-914.	2.8	18
386	Influences of the Sc <sup>3+</sup> content on the microstructure and optical properties of 10 at.% Yb:Y <sub>3</sub> ScxAl <sub>5-x</sub> O <sub>12</sub> laser ceramics. Journal of Alloys and Compounds, 2020, 815, 152637.	2.8	14
387	A high pulse energy single-pass picosecond master oscillator power amplifier system with output power 35.7 W. Optics and Laser Technology, 2020, 121, 105782.	2.2	5
388	Botanical-Inspired 4D Printing of Hydrogel at the Microscale. Advanced Functional Materials, 2020, 30, 1907377.	7.8	122
389	Reduction in heat affected zone and recast layer in laser materials processing using a photon sieve lens. Optics and Lasers in Engineering, 2020, 126, 105911.	2.0	3
390	Fabrication of CoFe <sub>2</sub> O <sub>4</sub> -modified and HNTs-supported g-C <sub>3</sub> N <sub>4</sub> heterojunction photocatalysts for enhancing MBT degradation activity under visible light. Journal of Materials Science, 2020, 55, 4358-4371.	1.7	25
391	Passively Q-switched pulsed fiber laser with higher-order modes. Infrared Physics and Technology, 2020, 105, 103163.	1.3	2
392	A self-driven microfluidic surface-enhanced Raman scattering device for Hg <sup>2+</sup> detection fabricated by femtosecond laser. Lab on A Chip, 2020, 20, 414-423.	3.1	24
393	Femtosecond laser inscribed Pr:CaF <sub>2</sub> waveguides: Micro-spectroscopy characterizations and refractive index reconstruction. Optics Communications, 2020, 461, 125243.	1.0	8
394	A 2D mesoporous photocatalyst constructed by the modification of biochar on BiOCl ultrathin nanosheets for enhancing the TC-HCl degradation activity. New Journal of Chemistry, 2020, 44, 79-86.	1.4	31
395	Designed Redox Ions Pairs imprinted photocatalyst of Fe <sup>3+</sup> @PoPD/TiO <sub>2</sub> /HNTs for enhanced photocatalytic activity. Materials Technology, 2020, 35, 843-852.	1.5	6
396	Femtosecond lasers for high-precision orthopedic surgery. Lasers in Medical Science, 2020, 35, 1263-1270.	1.0	17
397	Parameters Affecting the Welding of Transparent Materials Using Femtosecond Laser Pulses. Lasers in Manufacturing and Materials Processing, 2020, 7, 59-73.	1.2	2

#	ARTICLE	IF	CITATIONS
398	Optimization of ultrafast laser parameters for 3D micromachining of fused silica. Optics and Laser Technology, 2020, 123, 105933.	2.2	14
399	Ultrasensitive SERS-Based Plasmonic Sensor with Analyte Enrichment System Produced by Direct Laser Writing. Nanomaterials, 2020, 10, 49.	1.9	37
400	Two-Dimensional Black Arsenic Phosphorus for Ultrafast Photonics in Near- and Mid-Infrared Regimes. ACS Applied Materials & Interfaces, 2020, 12, 46509-46518.	4.0	47
401	Multiscale electronic and thermomechanical dynamics in ultrafast nanoscale laser structuring of bulk fused silica. Scientific Reports, 2020, 10, 15152.	1.6	6
402	Femtosecond Laser Microfabrication of Porous Superwetting Materials for Oil/Water Separation: A Mini-Review. Frontiers in Chemistry, 2020, 8, 585723.	1.8	8
403	Tunable violet radiation in a quasi-phase-matched periodically poled stoichiometric lithium tantalate waveguide by direct femtosecond laser writing. Results in Physics, 2020, 19, 103373.	2.0	8
404	Nonlinear optical properties of arsenic telluride and its use in ultrafast fiber lasers. Scientific Reports, 2020, 10, 15305.	1.6	14
405	Emerging uniform Cu <sub>2</sub> O nanocubes for 251st harmonic ultrashort pulse generation. Journal of Materials Chemistry C, 2020, 8, 14386-14392.	2.7	57
406	Fabrication of durable superhydrophilic silicon surfaces using nanosecond laser pulses. Journal of Applied Physics, 2020, 128, .	1.1	9
407	Optimum Design of high reflection Mirror with ZEMAX. Journal of Physics: Conference Series, 2020, 1530, 012136.	0.3	0
408	Structural investigations of picosecond laser ablated GaAs nanoparticles in different liquids. Nano Structures Nano Objects, 2020, 23, 100509.	1.9	8
409	Forced Wetting and Dewetting of Water and Oil Droplets on Planar Microfluidic Grids. Langmuir, 2020, 36, 9269-9275.	1.6	7
410	Enhanced photoreduction CO <sub>2</sub> activity on g-C <sub>3</sub> N <sub>4</sub> : By synergistic effect of nitrogen defective-enriched and porous structure, and mechanism insights. Chemical Engineering Journal, 2020, 388, 124288.	6.6	82
411	Bessel Beam: Significance and Applicationsâ€”A Progressive Review. Micromachines, 2020, 11, 997.	1.4	101
412	Automated free-space beam delivery system for ultrafast laser beams in the kW regime. Procedia CIRP, 2020, 94, 951-956.	1.0	0
413	High-power ultrashort pulse laser machining of tungsten carbide. Procedia CIRP, 2020, 94, 829-833.	1.0	5
414	Rose gold nanoparticles film for generating Q-switched and mode-locked pulses. Results in Optics, 2020, 1, 100007.	0.9	2
415	The Fabrication of Plagioclase Feldspar Microdevices: An Experimental Tool for Poreâ€”Scale Mineral Dissolution Studies. Water Resources Research, 2020, 56, e2020WR027737.	1.7	1



#	ARTICLE	IF	CITATIONS
416	Electron-phonon coupling in metals at high electronic temperatures. <i>Physical Review B</i> , 2020, 102, .	1.1	74
417	Optical contrast calculations to quantify modifications induced on trilayer graphene by Ti:Sapphire laser thinning process. <i>Applied Surface Science</i> , 2020, 533, 147472.	3.1	0
418	Absorption and temperature distribution during ultrafast laser microcutting of polymeric materials. <i>Journal of Laser Applications</i> , 2020, 32, .	0.8	5
419	Picosecond laser machining of tungsten carbide. <i>International Journal of Refractory Metals and Hard Materials</i> , 2020, 92, 105338.	1.7	11
420	Relativistic electron-spin dynamics in a strong unipolar laser field. <i>Physical Review A</i> , 2020, 102, .	1.0	28
421	3D printing and bioprinting using multiphoton lithography. <i>Bioprinting</i> , 2020, 20, e00090.	2.9	19
422	Drilling of sub-100 $\mu\text{m}$ hourglass-shaped holes in diamond with femtosecond laser pulses. <i>Quantum Electronics</i> , 2020, 50, 201-204.	0.3	9
423	Monolithic 3D micromixer with an impeller for glass microfluidic systems. <i>Lab on A Chip</i> , 2020, 20, 4474-4485.	3.1	21
424	Femtosecond-Laser-Induced Nanoscale Blisters in Polyimide Thin Films through Nonlinear Absorption. <i>Physical Review Applied</i> , 2020, 14, .	1.5	3
425	Fabrication and Characterization of Biplasmonic Substrates Obtained by Picosecond Laser Pulses. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5938.	1.3	2
426	Endowing Metal Surfaces With Underwater Superoleophobicity by Femtosecond Laser Processing for Oil-Water Separation Application. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	7
427	Emerging High-Performance SnS/CdS Nanoflower Heterojunction for Ultrafast Photonics. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 43098-43105.	4.0	74
428	Three-Dimensional Multifunctional Magnetically Responsive Liquid Manipulator Fabricated by Femtosecond Laser Writing and Soft Transfer. <i>Nano Letters</i> , 2020, 20, 7519-7529.	4.5	50
429	Experimental investigation on the CO <sub>2</sub> laser cutting of soda-lime glass. <i>Journal of Mechanical Science and Technology</i> , 2020, 34, 3345-3351.	0.7	3
430	Femtosecond-Laser-Written S-Curved Waveguide in Nd:YAP Crystal: Fabrication and Multi-Gigahertz Lasing. <i>Journal of Lightwave Technology</i> , 2020, 38, 6845-6852.	2.7	15
431	Cross-Species Bioinspired Anisotropic Surfaces for Active Droplet Transportation Driven by Unidirectional Microcolumn Waves. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 42264-42273.	4.0	33
432	Pulse Formation and Stability of a SESAM Mode-locked Laser Depending on the SESAM Position. <i>Journal of the Korean Physical Society</i> , 2020, 77, 1153-1158.	0.3	2
433	Picosecond Laser Processing of Photosensitive Glass for Generation of Biologically Relevant Microenvironments. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8947.	1.3	5

#	ARTICLE	IF	CITATIONS
434	Inhibition and enhancement of linear and nonlinear optical effects by conical phase front shaping for femtosecond laser material processing. <i>Scientific Reports</i> , 2020, 10, 21528.	1.6	14
435	The Effect of Laser Parameters on Cutting Metallic Materials. <i>Materials</i> , 2020, 13, 4596.	1.3	11
436	A combined model for formation mechanism of ripples induced by femtosecond laser on silicon carbide. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	7
438	Study on optical properties of alkali metal doped g-C <sub>3</sub> N <sub>4</sub> and their photocatalytic activity for reduction of CO <sub>2</sub> . <i>Chemical Physics Letters</i> , 2020, 751, 137467.	1.2	61
439	Glass: Home of the Periodic Table. <i>Frontiers in Chemistry</i> , 2020, 8, 384.	1.8	7
440	Enhancing Perovskite Solar Cell Performance through Femtosecond Laser Polishing. <i>Solar Rrl</i> , 2020, 4, 2000189.	3.1	27
441	Dissipative Soliton Resonance in an All-Polarization Maintaining Fiber Laser With a Nonlinear Amplifying Loop Mirror. <i>IEEE Photonics Journal</i> , 2020, 12, 1-8.	1.0	15
442	Underwater Superaerophobicity/Superaerophilicity and Unidirectional Bubble Passage Based on the Femtosecond Laser-Structured Stainless Steel Mesh. <i>Advanced Materials Interfaces</i> , 2020, 7, 1902128.	1.9	22
443	Laser engineering of biomimetic surfaces. <i>Materials Science and Engineering Reports</i> , 2020, 141, 100562.	14.8	180
444	Laser-assisted processing of aluminum alloy for the fabrication of superhydrophobic coatings withstanding multiple degradation factors. <i>Surface and Coatings Technology</i> , 2020, 397, 125993.	2.2	51
445	Indium Tin Oxide Coated D-Shape Fiber as a Saturable Absorber for Generating a Dark Pulse Mode-Locked Laser*. <i>Chinese Physics Letters</i> , 2020, 37, 054202.	1.3	24
446	Few-Layer Bismuthene for Coexistence of Harmonic and Dual Wavelength in a Mode-Locked Fiber Laser. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 31757-31763.	4.0	66
447	From Femtosecond to Nanosecond Laser Microstructuring of Conical Aluminum Surfaces by Reactive Gas Assisted Laser Ablation. <i>ChemPhysChem</i> , 2020, 21, 1644-1652.	1.0	16
448	Femtosecond laser mediated fabrication of micro/nanostructured TiO <sub>2</sub> - photoelectrodes: Hierarchical nanotubes array with oxygen vacancies and their photocatalysis properties. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119231.	10.8	33
449	Groove Formation in Glass Substrate by a UV Nanosecond Laser. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 987.	1.3	4
450	Femtosecond Laser Ablation for Mesoscale Specimen Evaluation. <i>Jom</i> , 2020, 72, 1694-1702.	0.9	15
451	Laser ablation and structuring of CdZnTe with femtosecond laser pulses. <i>Journal of Materials Science and Technology</i> , 2020, 48, 180-185.	5.6	9
452	Femtosecond-laser-irradiation-induced structural organization and crystallinity of Bi <sub>2</sub> WO <sub>6</sub> . <i>Scientific Reports</i> , 2020, 10, 4613.	1.6	9

#	ARTICLE	IF	CITATIONS
453	A bibliometric analysis for the research on laser processing based on Web of Science. Journal of Laser Applications, 2020, 32, .	0.8	6
454	Site-selective Bi <sub>2</sub> Te <sub>3</sub> FeTe <sub>2</sub> Heterostructure as a Broadband Saturable Absorber for Ultrafast Photonics. Laser and Photonics Reviews, 2020, 14, 1900409.	4.4	43
455	Generation and categories of solitons in various mode-locked fiber lasers. Optik, 2020, 220, 165168.	1.4	16
456	Laser polarization dependence of strong-field ionization in lithium niobate. Physical Review B, 2020, 101, .	1.1	1
457	Original Solution of Coupled Nonlinear Schrödinger Equations for Simulation of Ultrashort Optical Pulse Propagation in a Birefringent Fiber. Fibers, 2020, 8, 34.	1.8	6
458	Laser-induced regular nanostructure chains within microgrooves of Fe-based metallic glass. Applied Surface Science, 2020, 529, 147156.	3.1	9
459	Laser peening of 420 martensitic stainless steel using ultrashort laser pulses. Procedia CIRP, 2020, 87, 279-284.	1.0	7
460	Ultrafast x-ray diffraction study of melt-front dynamics in polycrystalline thin films. Science Advances, 2020, 6, eaax2445.	4.7	21
461	Ultralow-loss geometric phase and polarization shaping by ultrafast laser writing in silica glass. Light: Science and Applications, 2020, 9, 15.	7.7	140
462	Tuning a surface super-repellent to liquid metal by a femtosecond laser. RSC Advances, 2020, 10, 3301-3306.	1.7	10
463	Femtosecond laser-induced non-thermal welding for a single Cu nanowire glucose sensor. Nanoscale Advances, 2020, 2, 1195-1205.	2.2	24
464	Bioinspired Zoom Compound Eyes Enable Variable-Focus Imaging. ACS Applied Materials & Interfaces, 2020, 12, 10107-10117.	4.0	50
465	Femtosecond laser surface irradiation of silicon in air: Pulse repetition rate influence on crater features and surface texture. Optics and Laser Technology, 2020, 126, 106073.	2.2	17
466	Thrust enhancement and propellant conservation for laser propulsion using ultra-short double pulses. Applied Surface Science, 2020, 510, 145391.	3.1	18
467	Self-organized fractal-like structures formation on the silicon wafer surface using the femtosecond laser pulses. Optics and Lasers in Engineering, 2020, 128, 106008.	2.0	6
468	Improvement of ablation capacity of sapphire by gold film-assisted femtosecond laser processing. Optics and Lasers in Engineering, 2020, 128, 106007.	2.0	15
469	Designing "Supermetaphobic" Surfaces that Greatly Repel Liquid Metal by Femtosecond Laser Processing: Does the Surface Chemistry or Microstructure Play a Crucial Role?. Advanced Materials Interfaces, 2020, 7, 1901931.	1.9	48
470	Underwater persistent bubble-assisted femtosecond laser ablation for hierarchical micro/nanostructuring. International Journal of Extreme Manufacturing, 2020, 2, 015001.	6.3	54

#	ARTICLE	IF	CITATIONS
471	Femtosecond Laser Micro/Nano-manufacturing: Theories, Measurements, Methods, and Applications. <i>Nanomanufacturing and Metrology</i> , 2020, 3, 26-67.	1.5	48
472	O-FIB: far-field-induced near-field breakdown for direct nanowriting in an atmospheric environment. <i>Light: Science and Applications</i> , 2020, 9, 41.	7.7	113
473	Precise laser trimming of alloy strip resistor: A comparative study with femtosecond laser and nanosecond laser. <i>Journal of Laser Applications</i> , 2020, 32, .	0.8	13
474	Numerical Investigation of the Impact of the Saturable Absorber Recovery Time on the Mode-Locking Performance of Fiber Lasers. <i>Journal of Lightwave Technology</i> , 2020, 38, 4124-4132.	2.7	32
475	Investigation into nonlinear optical absorption property of CoSb <sub>3</sub> skutterudite in the 2-4 μm spectral region. <i>Optics and Laser Technology</i> , 2020, 129, 106274.	2.2	5
476	An investigation of aluminum nitride thin films patterned by femtosecond laser. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	7
477	Modification characteristics of filamentary traces induced by loosely focused picosecond laser in sapphire. <i>Ceramics International</i> , 2020, 46, 16074-16079.	2.3	8
478	Short-pulsed Raman fiber laser and its dynamics. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	2.0	30
479	Femtosecond laser polishing of SiC/SiC composites: Effect of incident angle on surface topography and oxidation. <i>Journal of Composite Materials</i> , 2021, 55, 1437-1445.	1.2	14
480	Atomistic simulation of ultra-short pulsed laser ablation of metals with single and double pulses: An investigation of the re-deposition phenomenon. <i>Applied Surface Science</i> , 2021, 537, 147775.	3.1	19
481	Polarization effect on hole evolution and periodic microstructures in femtosecond laser drilling of thermal barrier coated superalloys. <i>Applied Surface Science</i> , 2021, 537, 148001.	3.1	30
482	Filtration and removal of liquid polymers from water (polymer/water separation) by use of the underwater superhydrophobic mesh produced with a femtosecond laser. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 1203-1212.	5.0	15
483	Surface modulation to enhance chemical mechanical polishing performance of sliced silicon carbide Si-face. <i>Applied Surface Science</i> , 2021, 536, 147963.	3.1	26
484	Size-controlled flow synthesis of metal-organic frameworks crystals monitored by in-situ ultraviolet-visible absorption spectroscopy. <i>Chinese Chemical Letters</i> , 2021, 32, 1131-1134.	4.8	16
485	Machine learning and applications in ultrafast photonics. <i>Nature Photonics</i> , 2021, 15, 91-101.	15.6	219
486	Laser fabrication of functional micro-supercapacitors. <i>Journal of Energy Chemistry</i> , 2021, 59, 642-665.	7.1	35
487	Femtosecond laser ablation of metal targets: The physical origin of the power law size distribution of nanoparticles. <i>Optics and Laser Technology</i> , 2021, 134, 106651.	2.2	6
488	All-Polarization-Maintaining Passively Mode-Locked Erbium-Doped Fiber Laser Based on a WDM-Isolator-Tap Hybrid Device. <i>Journal of Russian Laser Research</i> , 2021, 42, 82-86.	0.3	9

#	ARTICLE	IF	CITATIONS
489	Ultrafast Prototyping of Large-Area Stretchable Electronic Systems by Laser Ablation Technique for Controllable Robotic Arm Operations. IEEE Transactions on Industrial Electronics, 2022, 69, 4245-4253.	5.2	19
490	Micro Hemispherical Resonators with Quality Factor of 1.18 Million Fabricated Via Laser Ablation. , 2021, , .		4
491	Ultrafast laser manufacturing: from physics to industrial applications. CIRP Annals - Manufacturing Technology, 2021, 70, 543-566.	1.7	47
492	Numerical Method for Coupled Nonlinear Schrödinger Equations in Few-Mode Fiber. Fibers, 2021, 9, 1.	1.8	15
493	Passively mode-locked Yb-doped all-fiber oscillator using self-made strain-compensated semiconductor mirrors as saturable absorbers. Laser Physics, 2021, 31, 025102.	0.6	1
494	Enhanced ablation efficiency using GHz bursts in micromachining fused silica. Optics Letters, 2021, 46, 282.	1.7	29
495	Study on real-time z-scanning of multiple-pulse laser ablation of metal applied in roll-printed electronics. Optical Materials Express, 2021, 11, 509.	1.6	4
496	Laser Beam Measurement and Characterization Techniques. , 2021, , 1-42.		0
497	Crack-free femtosecond laser processing of lithium niobate benefited by high substrate temperature. Journal of Applied Physics, 2021, 129, 063102.	1.1	2
498	Pulse-to-pulse evolution of optical properties in ultrafast laser micro-processing of polymers. Journal of Laser Applications, 2021, 33, 012020.	0.8	3
499	Ultrafast pulse laser inscription and surface quality characterization of micro-structured silicon wafer. Journal of Manufacturing Processes, 2021, 62, 323-336.	2.8	6
500	Evaluation of the potential eye hazard at visible wavelengths of the supercontinuum generated by an ultrafast NIR laser in water. Biomedical Optics Express, 2021, 12, 1167.	1.5	0
502	Titania-carbon nanocomposite as a saturable absorber for generation passively ytterbium-mode locked pulses. Optical Materials, 2021, 112, 110728.	1.7	14
503	High-efficiency polarization-independent gold-coated crossed grating under normal incidence. Optics Communications, 2021, 483, 126669.	1.0	12
504	Single pulse development of chromium-deposited imprint micro/nano patterns of photo-cured crosslinked resin using a femtosecond pulsed laser. Japanese Journal of Applied Physics, 2021, 60, SCCJ02.	0.8	0
505	Ultrafast laser in fabrication of micro hemispherical resonators with quality factor over millions. Journal of Micromechanics and Microengineering, 2021, 31, 055002.	1.5	11
506	Cellular automata dynamics of nonlinear optical processes in a phase-change material. Applied Physics Reviews, 2021, 8, .	5.5	3
507	Direct correlation of local fluence to single-pulse ultrashort laser ablated morphology. Communications Materials, 2021, 2, .	2.9	12

#	ARTICLE	IF	CITATIONS
508	Effect of wavefront rotation on the photoionization process by ultrafast laser spatiotemporal focusing. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 1040.	0.9	3
509	Investigating the Effect of Pulsed Fiber Laser Parameters on the Roughness of Aluminium Alloy and Steel Surfaces in Cleaning Processes. <i>Lasers in Manufacturing and Materials Processing</i> , 2021, 8, 113-124.	1.2	1
511	High power ultrashort pulse laser processing using a flexible multibeam approach. <i>JPhys Photonics</i> , 2021, 3, 021004.	2.2	8
512	Self-organized phase-transition lithography for all-inorganic photonic textures. <i>Light: Science and Applications</i> , 2021, 10, 93.	7.7	24
513	Passively Q-switched erbium-doped fiber laser with graphene oxide film as saturable absorber. <i>Journal of Physics: Conference Series</i> , 2021, 1869, 012158.	0.3	3
514	Initial Morphology and Feedback Effects on Laser-Induced Periodic Nanostructuring of Thin-Film Metallic Glasses. <i>Nanomaterials</i> , 2021, 11, 1076.	1.9	11
515	Glass surface micromachining with simultaneous nanomaterial deposition by picosecond laser for wettability control. <i>Applied Surface Science</i> , 2021, 546, 149050.	3.1	11
516	Progress in Upscaling Organic Photovoltaic Devices. <i>Advanced Energy Materials</i> , 2021, 11, 2100342.	10.2	63
517	3D Manufacturing of Glass Microstructures Using Femtosecond Laser. <i>Micromachines</i> , 2021, 12, 499.	1.4	33
518	Effects of CeO <sub>2</sub> and Sb <sub>2</sub> O <sub>3</sub> on the Nonlinear Photochemical Process in Ultrashort Laser Gaussian-Bessel Beams Irradiated Thermo-Refractive Glass. <i>Micromachines</i> , 2021, 12, 615.	1.4	2
519	An on-machine tool path generation method based on hybrid and local point cloud registration for laser deburring of ceramic cores. <i>Journal of Intelligent Manufacturing</i> , 2022, 33, 2223-2238.	4.4	7
520	Direct Writing of Silicon Oxide Nanopatterns Using Photonic Nanojets. <i>Photonics</i> , 2021, 8, 152.	0.9	3
521	Formation of Nanogratings on the Surface of Nanoporous Glass Irradiated by Femtosecond Visible Laser Pulses. <i>JETP Letters</i> , 2021, 113, 622-625.	0.4	5
522	Laser Thermal Processing of Group IV Semiconductors for Integrated Photonic Systems. <i>Advanced Photonics Research</i> , 2021, 2, 2000159.	1.7	7
523	Formation of Titanium Nitride, Titanium Carbide, and Silicon Carbide Surfaces by High Power Femtosecond Laser Treatment. <i>ChemPlusChem</i> , 2021, 86, 1231-1242.	1.3	10
524	Metallic Plasmonic Array Structures: Principles, Fabrications, Properties, and Applications. <i>Advanced Materials</i> , 2021, 33, e2007988.	11.1	72
525	Design guidelines for ultrashort pulse generation by a Mamyshev regenerator. <i>Optics Express</i> , 2021, 29, 15699.	1.7	7
526	Manufacturing of high-precision surface micro-structures on stainless steel by ultrasonic impact peening. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 116, 915-930.	1.5	6

#	ARTICLE	IF	CITATIONS
527	Preparing of superamphiphobic surface by fabricating hierarchical nano re-entrant pyramids on micro-cones using a combined laser-electrochemistry method. <i>Surfaces and Interfaces</i> , 2021, 24, 101112.	1.5	9
528	Real-space observation of surface structuring induced by ultra-fast-laser illumination far below the melting threshold. <i>Scientific Reports</i> , 2021, 11, 13269.	1.6	5
529	Automated synthesis of gadopentetate dimeglumine through solid-liquid reaction in femtosecond laser fabricated microfluidic chips. <i>Chinese Chemical Letters</i> , 2022, 33, 1077-1080.	4.8	3
530	Cumulative defocusing of sub-MHz-rate femtosecond-laser pulses in bulk diamond envisioned by transient A-band photoluminescence. <i>Optical Materials Express</i> , 2021, 11, 2234.	1.6	11
531	Femtosecond laser-generated shockwaves in transparent media: Experiments and Simulation. , 2021, , .		0
532	Micromachined High Frequency $\times 3$ Piezocomposite Transducer Using Picosecond Laser. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 2219-2226.	1.7	16
533	Lab-on-a-Chip Platforms as Tools for Drug Screening in Neuropathologies Associated with Blood-Brain Barrier Alterations. <i>Biomolecules</i> , 2021, 11, 916.	1.8	21
534	Ultrafast laser manufacturing of nanofluidic systems. <i>Nanophotonics</i> , 2021, 10, 2389-2406.	2.9	16
535	Laser irradiation construction of nanomaterials toward electrochemical energy storage and conversion: Ongoing progresses and challenges. <i>Information Materials</i> , 2021, 3, 1393-1421.	8.5	46
536	Laser microplasma as a spot tool for glass processing: Focusing conditions. <i>Journal of Materials Processing Technology</i> , 2021, 292, 117061.	3.1	3
537	Direct treatment of interaction between laser-field and electrons for simulating laser processing of metals. <i>Scientific Reports</i> , 2021, 11, 14626.	1.6	6
538	All-Fiber Tunable Pulsed 1.7 $\mu\text{m}$ Fiber Lasers Based on Stimulated Raman Scattering of Hydrogen Molecules in Hollow-Core Fibers. <i>Molecules</i> , 2021, 26, 4561.	1.7	9
539	Facile Surface Functionalization Strategy for Two-Photon Lithography Microstructures. <i>Small</i> , 2021, 17, e2101048.	5.2	6
540	Titanium carbide MXene for generating Q-switched pulses in erbium-doped fiber laser cavity. <i>Microwave and Optical Technology Letters</i> , 2021, 63, 2893-2897.	0.9	0
541	Influence of preparation method on the structural, linear, and nonlinear optical properties of TiN nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 19455-19477.	1.1	6
542	Unwrapping the laser beam quality through nonlinear time series and fractal analyses: A surrogate approach. <i>Optics and Laser Technology</i> , 2021, 140, 107029.	2.2	2
543	Ultrafast laser strain generation for nanometer-precision alignment of optical components. , 2021, , .		1
544	Performance enhancement of an ultrafast all-fiber laser based on an InN saturable absorber using GRIN coupling. <i>Optics Express</i> , 2021, 29, 29357.	1.7	6

#	ARTICLE	IF	CITATIONS
545	Hybrid laser precision engineering of transparent hard materials: challenges, solutions and applications. <i>Light: Science and Applications</i> , 2021, 10, 162.	7.7	82
546	Variable polarization processing based on femtosecond laser. , 2021, , .		0
547	Microgroove etching on flexible copper clad laminate with picosecond lasers. <i>Journal of Laser Applications</i> , 2021, 33, .	0.8	1
548	Laser Technology for the Formation of Bioelectronic Nanocomposites Based on Single-Walled Carbon Nanotubes and Proteins with Different Structures, Electrical Conductivity and Biocompatibility. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8036.	1.3	7
549	Formation of Titanium Nitride, Titanium Carbide, and Silicon Carbide Surfaces by High Power Femtosecond Laser Treatment. <i>ChemPlusChem</i> , 2021, 86, 1227-1228.	1.3	0
550	Passively Q-switched erbium-doped fiber laser with mechanical exfoliation of 8-HQCDCL2H2O as saturable absorber. <i>Optik</i> , 2021, 242, 167073.	1.4	14
551	Fabrication of fused silica microstructure based on the femtosecond laser. <i>AIP Advances</i> , 2021, 11, .	0.6	4
552	Ultrafast laser micromachining the ultra-low expansion glass-ceramic: Optimization of processing parameters and physical mechanism. <i>Journal of the European Ceramic Society</i> , 2021, 41, 5990-5999.	2.8	10
553	Will GHz burst mode create a new path to femtosecond laser processing?. <i>International Journal of Extreme Manufacturing</i> , 2021, 3, 043001.	6.3	18
554	Black Germanium Photodetector Exceeds External Quantum Efficiency of 160%. <i>Advanced Materials Technologies</i> , 2022, 7, 2100912.	3.0	8
555	Nonlinear absorption property investigation into MAX phase $Ti_2AlC$ at $1.9 \mu m$ . <i>Optical Materials Express</i> , 2021, 11, 3556.	1.6	6
556	Femtosecond-laser sharp shaping of millimeter-scale geometries with vertical sidewalls. <i>International Journal of Extreme Manufacturing</i> , 2021, 3, 045001.	6.3	22
557	Fabrication of single-mode circular optofluidic waveguides in fused silica using femtosecond laser microfabrication. <i>Optics and Laser Technology</i> , 2021, 141, 107118.	2.2	20
558	Machine vision-based high-precision and robust focus detection for femtosecond laser machining. <i>Optics Express</i> , 2021, 29, 30952.	1.7	9
559	Advances of Yb:CALGO Laser Crystals. <i>Crystals</i> , 2021, 11, 1131.	1.0	10
560	A simple strategy for increasing optical waveguide performance using spherical aberration. <i>Optics and Laser Technology</i> , 2021, 142, 107235.	2.2	3
561	$Ti_3AlC_2$ MAX phase thin film as saturable absorber for generating soliton mode-locked fiber laser. <i>Optik</i> , 2021, 245, 167767.	1.4	11
562	High-energy all-PM Yb-doped fiber laser with a nonlinear optical loop mirror. <i>Optics and Laser Technology</i> , 2021, 143, 107353.	2.2	10



#	ARTICLE	IF	CITATIONS
563	Experimental observation of the effect of pulse duration on optical properties in ultrafast laser micro-processing of polymers. <i>Journal of Laser Applications</i> , 2021, 33, 042003.	0.8	2
564	Single-pass cutting of glass with a curved edge using ultrafast curving bessel beams and oblong airy beams. <i>Optics and Laser Technology</i> , 2021, 144, 107398.	2.2	17
565	Preparation of high-quality three-dimensional microstructures on polymethyl methacrylate surfaces by femtosecond laser micromachining and thermal-induced micro-leveling. <i>Optics and Laser Technology</i> , 2022, 145, 107499.	2.2	11
566	Optical waveguides fabricated in atomic layer deposited Al <sub>2</sub> O <sub>3</sub> by ultrafast laser ablation. <i>Results in Optics</i> , 2021, 2, 100060.	0.9	3
567	Ultrafast photonics applications based on evanescent field interactions with 2D molybdenum carbide (Mo <sub>2</sub> C). <i>Journal of Materials Chemistry C</i> , 0, , .	2.7	11
568	Laser Printing of Biomaterials. , 2021, , 1-32.		0
569	Recent Advances in the Fabrication of Highly Sensitive Surface-Enhanced Raman Scattering Substrates: Nanomolar to Attomolar Level Sensing. <i>Light Advanced Manufacturing</i> , 2021, 2, 186.	2.2	20
570	Water/gas separation based on the selective bubble-passage effect of underwater superaerophobic and superaerophilic meshes processed by a femtosecond laser. <i>Nanoscale</i> , 2021, 13, 10414-10424.	2.8	16
571	High-quality high-throughput silicon laser milling using a 1 kW sub-picosecond laser. <i>Optics Letters</i> , 2021, 46, 384.	1.7	19
572	Volume photoinscription of glasses: three-dimensional micro- and nanostructuring with ultrashort laser pulses. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	33
573	Pulse duration dependence of ablation threshold for fused silica in the visible femtosecond regime. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	8
574	A three-dimensional microfluidic mixer of a homogeneous mixing efficiency fabricated by ultrafast laser internal processing of glass. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	12
575	Three-Dimensional Laser Engraving for Fabrication of Tough Glass-Based Bioinspired Materials. <i>Jom</i> , 2020, 72, 1487-1497.	0.9	8
576	Inkjet printing, laser-based micromachining, and micro-3D printing technologies for MEMS. , 2020, , 531-545.		6
577	Femtosecond laser ablation of transparent microphotonic devices and computer-generated holograms. <i>Nanoscale</i> , 2017, 9, 13808-13819.	2.8	20
578	Hierarchical anti-reflective laser-induced periodic surface structures (LIPSSs) on amorphous Si films for sensing applications. <i>Nanoscale</i> , 2020, 12, 13431-13441.	2.8	67
579	Switchable dissipative soliton resonance and noise like pulses regimes in a mode-locked double-clad thulium doped fiber laser. <i>Laser Physics</i> , 2021, 31, 015102.	0.6	8
580	Microconical surface structuring of aluminium tubes by femtosecond laser processing. <i>Journal of Physics Communications</i> , 2020, 4, 111001.	0.5	4

#	ARTICLE	IF	CITATIONS
581	Mixing periodic topographies and structural patterns on silicon surfaces mediated by ultrafast photoexcited charge carriers. <i>Physical Review Research</i> , 2020, 2, .	1.3	21
582	Heat Accumulation in Ultrafast Laser Scanning of Fused Silica. <i>Journal of Heat Transfer</i> , 2021, 143, .	1.2	3
583	Reactive ion beam etching of highly dispersive, high-efficiency transmission gratings for the VIS range. <i>Optical Engineering</i> , 2019, 58, 1.	0.5	4
584	Parallel processing of embossing dies with ultrafast lasers. , 2018, , .		5
585	Large pulse-energy VECSELs. , 2018, , .		1
586	Simple and compact grating-based heterodyne interferometer with the Littrow configuration for high-accuracy and long-range measurement of two-dimensional displacement. <i>Applied Optics</i> , 2018, 57, 9455.	0.9	25
587	Fast method to detect and calculate displacement errors in a Littrow grating-based interferometer. <i>Applied Optics</i> , 2019, 58, 3193.	0.9	6
588	Temperature-insensitive second-harmonic generation based on noncollinear phase matching in a lithium triborate crystal. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017, 34, 1659.	0.9	7
589	Multispectral sparkling of microbubbles with a focused femtosecond laser. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017, 34, 2072.	0.9	2
590	Material point method for simulating nonequilibrium thermal transport in metals irradiated by ultrafast lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017, 34, 2334.	0.9	3
591	Measuring the ablation threshold fluence in femtosecond laser micromachining with vortex and Bessel pulses. <i>Optics Express</i> , 2018, 26, 34558.	1.7	14
592	Multi-rate-equation modeling of the energy spectrum of laser-induced conduction band electrons in water. <i>Optics Express</i> , 2019, 27, 4672.	1.7	28
593	Thermal effects of ultrafast laser interaction with polypropylene. <i>Optics Express</i> , 2019, 27, 5764.	1.7	31
594	Quantitative assessment of nonlinearly absorbed energy in fused silica via time-resolved digital holography. <i>Optics Express</i> , 2019, 27, 7699.	1.7	9
595	Femtosecond laser irradiation of molecular excitonic films for nanophotonic response control and large-area patterning. <i>Optics Express</i> , 2019, 27, 18044.	1.7	4
596	Experimental study on the laser-matter-plume interaction and its effects on ablation characteristics during nanosecond pulsed laser scanning ablation process. <i>Optics Express</i> , 2019, 27, 23204.	1.7	17
597	172-fs, 27-ÅμJ, Yb-doped all-fiber-integrated chirped pulse amplification system based on parabolic evolution by passive spectral amplitude shaping. <i>Optics Express</i> , 2019, 27, 34103.	1.7	32
598	Efficient quasi-phase-matching in fan-out PPSLT crystal waveguides by femtosecond laser direct writing. <i>Optics Express</i> , 2019, 27, 36875.	1.7	10

#	ARTICLE	IF	CITATIONS
599	Fundamental and harmonic mode-locked h-shaped pulse generation using a figure-of-9 thulium-doped fiber laser. Optics Express, 2019, 27, 37172.	1.7	21
600	>100 W GHz femtosecond burst mode all-fiber laser system at 1.0 Åµm. Optics Express, 2020, 28, 13414.	1.7	23
601	Dynamic aberration correction via spatial light modulator (SLM) for femtosecond direct laser writing: towards spherical voxels. Optics Express, 2020, 28, 27850.	1.7	12
602	Sector sandwich structure: an easy-to-manufacture way towards complex vector beam generation. Optics Express, 2020, 28, 27628.	1.7	11
603	3D nanoprinted kinoform spiral zone plates on fiber facets for high-efficiency focused vortex beam generation. Optics Express, 2020, 28, 38127.	1.7	18
604	Convex silica microlens arrays via femtosecond laser writing. Optics Letters, 2020, 45, 636.	1.7	31
605	Thermal accumulation at kilohertz repetition rates inside fused silica under ultrafast laser irradiation. Optics Letters, 2020, 45, 3390.	1.7	17
606	Self-assembled micropillars fabricated by holographic femtosecond multi-foci beams for in situ trapping of microparticles. Optics Letters, 2020, 45, 4698.	1.7	13
607	Fiber-laser-based, high-repetition-rate, picosecond ultraviolet source tunable across 329â€“348â€“nm. Optics Letters, 2016, 41, 4799.	1.7	2
608	Enhanced photoluminescence intensity by modifying the surface nanostructure of Nd <sup>3+</sup> -doped (Pb, Tj) ETQq1 1 0,784314 rgBT /Overle	1.7	8
609	Quantitative photochemical scaling model for femtosecond laser micromachining of ophthalmic hydrogel polymers: effect of repetition rate and laser power in the four photon absorption limit. Optical Materials Express, 2019, 9, 1049.	1.6	11
610	Controllable fabrication of polygonal micro and nanostructures on sapphire surfaces by chemical etching after femtosecond laser irradiation. Optical Materials Express, 2019, 9, 2994.	1.6	2
611	Femtosecond laser induced periodic surface structures for the enhancement of field emission properties of tungsten. Optical Materials Express, 2019, 9, 3183.	1.6	11
612	Femtosecond micro-machining of hydrogels: parametric study and photochemical model including material saturation. Optical Materials Express, 2019, 9, 3818.	1.6	9
613	Ultra-short laser-induced high aspect ratio densification in porous glass. Optical Materials Express, 2019, 9, 4379.	1.6	3
614	Low energy pulse compression in hollow core fibers using hydrofluorocarbon molecular gas. OSA Continuum, 2019, 2, 1488.	1.8	6
615	Terahertz broadband anti-reflection moth-eye structures fabricated by femtosecond laser processing. OSA Continuum, 2019, 2, 2764.	1.8	19
616	Micro-structuring, ablation, and defect generation in graphene with femtosecond pulses. OSA Continuum, 2019, 2, 2925.	1.8	10

#	ARTICLE	IF	CITATIONS
617	0.33â€‰mJ, 1043â€‰W dissipative soliton resonance based on a figure-of-9 double-clad Tm-doped oscillator and an all-fiber MOPA system. Photonics Research, 2019, 7, 513.	3.4	39
618	Ultrabroadband, few-cycle pulses directly from a Mamyshev fiber oscillator. Photonics Research, 2020, 8, 65.	3.4	43
619	Single pulse laser removal of indium tin oxide film on glass and polyethylene terephthalate by nanosecond and femtosecond laser. Nanotechnology Reviews, 2020, 9, 1539-1549.	2.6	9
620	FEATURES OF CHANGES IN THE NANOSTRUCTURE AND COLORIZING OF COPPER DURING SCANNING WITH A FEMTOSECOND LASER BEAM. Computer Optics, 2017, 41, 504-509.	1.3	13
621	Fabrication of three-dimensional proteinaceous micro- and nano-structures by femtosecond laser cross-linking. Opto-Electronic Advances, 2018, 1, 18000801-18000818.	6.4	43
622	Hierarchical microstructures with high spatial frequency laser induced periodic surface structures possessing different orientations created by femtosecond laser ablation of silicon in liquids. Opto-Electronic Advances, 2019, 2, 19000201-19000218.	6.4	82
623	Femtosecond Pulse Light Filament-Assisted Microfabrication of Biodegradable Polylactic Acid (PLA) Material. Journal of Laser Micro Nanoengineering, 2015, 10, 222-228.	0.4	7
624	Computational Dynamics of Laser Alloyed Metallic Materials for Improved Corrosion Performance. Advances in Civil and Industrial Engineering Book Series, 2016, , 197-235.	0.2	1
625	A 1.3-GHz harmonically mode-locked fiber laser using a V2AlC saturable absorber. , 2021, , .		0
626	High-power ultrafast fiber lasers for materials processing. Advanced Optical Technologies, 2021, 10, 277-283.	0.9	3
627	Modification of surface morphology of hydrogels due to subsurface femtosecond laser micromachining. Applied Optics, 2021, 60, 9799.	0.9	0
628	Joining SiO2 based ceramics: recent progress and perspectives. Journal of Materials Science and Technology, 2022, 108, 110-124.	5.6	13
629	Broadband Passively Mode-Locked Fiber Laser with DNA Aqueous Solution as Saturable Absorber. Applied Sciences (Switzerland), 2021, 11, 9871.	1.3	6
630	Prediction of Thermal Damage upon Ultrafast Laser Ablation of Metals. Molecules, 2021, 26, 6327.	1.7	8
631	Structural stability and electronâ€‰phonon coupling in twoâ€‰dimensional carbon allotropes at high electronic and atomic temperatures. Carbon Trends, 2021, 5, 100121.	1.4	5
632	Unconventional Disorder by Femtosecond Laser Irradiation in Fe<sub>2</sub>O<sub>3</sub>. ACS Omega, 2021, 6, 28049-28062.	1.6	4
633	Far-Field Nanostructuring in Dielectric Materials Beyond the Diffraction Limit Using Femtosecond Laser. The Review of Laser Engineering, 2015, 43, 752.	0.0	1
634	Practical Applications of Ultrafast Laser Processing. IEEJ Transactions on Electronics, Information and Systems, 2015, 135, 1037-1042.	0.1	1

#	ARTICLE	IF	CITATIONS
635	Fiber-Laser-Based, 80-MHz Picosecond UV Source Generating Multi-Tens of Milliwatt Output Power Across 329-348 nm. , 2016, , .		0
636	Development of Laser Processing Technology with Hybrid ArF Laser in Extremely Short Wavelength. The Review of Laser Engineering, 2017, 45, 571.	0.0	0
637	Extreme Pulse Dynamics in Mode-Locked Lasers. Springer Proceedings in Physics, 2018, , 171-189.	0.1	0
638	Visible Waveguide Lasers Based on Femtosecond Laser Inscribed Cladding Waveguides in Pr:YLF Crystal. , 2018, , .		1
639	A femtosecond pulse fiber laser using a CoSb <sub>3</sub> skutterudite-based passive mode-locker. , 2018, , .		0
640	Ultrafast Experimental Analysis and Comparative Performance of a Graphene Saturable Mirror at 2 $\hat{1}$ / <sub>4</sub> m Wavelength. , 2018, , .		0
641	Direct laser writing of 3D microfluidic structures in glass for lab-on-a-chip applications. , 2018, , .		0
642	Infrared laser damage thresholds in corneal tissue phantoms using femtosecond laser pulses. , 2018, , .		0
643	Scalable patterning using laser-induced shock waves. Optical Engineering, 2018, 57, 1.	0.5	5
645	Towards quantification of laser-induced damage phenomena: experimental assessment of absorbed pulse energy via time-resolved digital holography. , 2018, , .		0
646	Output characteristics of a mode-locked laser oscillator with a SESAM located inside the cavity. , 2019, , .		0
647	Photosensitivity in Glasses. Springer Handbooks, 2019, , 369-406.	0.3	1
648	Development of 3D-Structure Fabrication Technology for Terahertz Optics Production. The Review of Laser Engineering, 2019, 47, 356.	0.0	0
649	Analysis on the evolution of subwavelength ripples fabricated by ultrafast laser pulses on lithium niobate crystal surface. , 2019, , .		0
650	Dynamic optical laser fabrication for engineering of quantum photonic devices. , 2019, , .		0
651	CO <sub>2</sub> Laser Scribing Process of Soda Lime Glass. Journal of the Korean Society of Manufacturing Process Engineers, 2019, 18, 74-81.	0.1	1
652	Finite element analysis of stimuli-responsive mesoscopic hydrogel via ultrafast laser processing (Withdrawal Notice). , 2019, , .		0
653	CO <sub>2</sub> Laser Drilling Processing of the Cover Glass using the Taguchi Method. Journal of Welding and Joining, 2019, 37, 199-205.	0.6	0

#	ARTICLE	IF	CITATIONS
654	Pulse operation of linearly polarized diode-pumped cesium-vapor laser based on acousto-optical modulation. Optics Express, 2019, 27, 18883.	1.7	1
655	Experimental investigation on processing of fused silica microchannels by high repetition rate femtosecond laser. , 2019, , .		0
656	Internal Structuring of Silicon using THz-Repetition-Rate Trains of Ultrashort Pulses. , 2020, , .		0
657	Direct femtosecond laser ablation of large-area TaSe <sub>2</sub> , SnS <sub>2</sub> , and TiS <sub>2</sub> thick films by a back ablation procedure. Applied Optics, 2020, 59, 7606.	0.9	3
658	Ultrafast laser ablation of 10-nm self-supporting membranes by two-beam interference processing. Optics Express, 2020, 28, 26200.	1.7	4
659	Fresnel zone plate array fabricated by femtosecond laser. , 2021, , .		0
660	High-speed processing of silicon carbide ceramic by high repetition frequency femtosecond laser. , 2021, , .		0
661	Basic Optics and Diagnostics Apparatus for Ultrashort Pulse Laser Micro-/Nanoprocessing. , 2020, , 1-14.		0
662	A Study of Femtosecond Laser Ablation Threshold on Several Materials Using Fiber Optic Beam Delivery System. Journal of the Korean Society for Precision Engineering, 2020, 37, 865-872.	0.1	1
663	Femtosecond laser controlling of filaments inside PMMA and its fabrication. , 2020, , .		0
664	Laser Beam Measurement and Characterization Techniques. , 2021, , 1885-1925.		0
665	Basic Optics and Diagnostics Apparatus for Ultrashort Pulse Laser Micro-/Nanoprocessing. , 2021, , 671-684.		0
666	Optical Methods for in-Process Monitoring of Laser-Matter Interactions. , 2021, , 1927-1977.		0
667	Basic and General Optics for Laser Processing. , 2021, , 495-526.		0
668	Direct Femtosecond Laser Writing of Optical Waveguides in Dielectrics. Springer Series in Materials Science, 2020, , 185-210.	0.4	2
669	Influence of Changes in the Phase State of the Surface and External Factors of Laser Irradiation on the Nanocraters Formation. Springer Proceedings in Physics, 2021, , 223-233.	0.1	1
670	Basic and General Optics for Laser Processing. , 2020, , 1-33.		0
671	Regulating the Fs-laser Material Removal Mechanism to Improve Processing Quality Effectively. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
672	Nonlinear Resolution: A Misconception in Femtosecond Laser Ablation. , 2020, , .		0
673	Time-resolved measurements of optical properties in ultrafast laser interaction with polypropylene. Optics Express, 2020, 28, 2640.	1.7	4
674	Optical Methods for in-Process Monitoring of Laser-Matter Interactions. , 2020, , 1-51.		1
675	Optical Sensing in Laser Material Processing Applications. , 2020, , .		0
676	High power femtosecond semiconductor lasers based on saw-toothed master-oscillator power-amplifier system with compressed ASE. Optics Express, 2020, 28, 7108.	1.7	0
677	Laser Printing of Biomaterials. , 2021, , 1767-1798.		1
678	UVâ€NIR femtosecond laser hybrid lithography for efficient printing of complex on-chip waveguides. Optics Letters, 2020, 45, 1862.	1.7	6
679	Unique material modifications of Ga2O3 enabled by ultrafast laser irradiation. , 2020, , .		1
680	OPCPA investigation with control over the temporal shape of 1.2 ps pump pulses. Optics Express, 2020, 28, 12020.	1.7	7
681	Beam profile and pulse width assessment in an engineered D-shaped hollow-core photonic crystal fiber. Journal of Optics (United Kingdom), 2021, 23, 125504.	1.0	1
682	Deep Subwavelength Laser-Induced Periodic Surface Structures on Silicon as a Novel Multifunctional Biosensing Platform. ACS Applied Materials & Interfaces, 2021, 13, 54551-54560.	4.0	39
683	Laser Printing of Biomaterials. , 2021, , 1-32.		0
684	LIPSS-based functional surfaces produced by multi-beam nanostructuring with 2601 beams and real-time thermal processes measurement. Scientific Reports, 2021, 11, 22944.	1.6	19
685	Design and developmental approach aimed at polar solvent chemical sensor for biomedical application. Materials Today: Proceedings, 2021, , .	0.9	0
686	Evanescent Field Controllable MZ Sensor via Femtosecond Laser Processing and Mechanic Polishing. Micromachines, 2021, 12, 1421.	1.4	2
687	Laser Writing of Color Centers. Laser and Photonics Reviews, 2022, 16, , .	4.4	23
688	High Aspect Ratio Structuring of Glass with Ultrafast Bessel Beams. Materials, 2021, 14, 6749.	1.3	10
689	Optical, structural and morphological studies of nanostructures fabricated on silicon surface by femtosecond laser irradiation. Journal of Materials Science, 2022, 57, 1863-1880.	1.7	3

#	ARTICLE	IF	CITATIONS
690	Broadband GaSb saturable absorber for pulse generation from C-band to mid-infrared. Journal of Luminescence, 2022, 244, 118716.	1.5	5
691	Enhanced ablation efficiency for silicon by femtosecond laser microprocessing with GHz bursts in MHz bursts(BiBurst). International Journal of Extreme Manufacturing, 2022, 4, 015103.	6.3	16
692	Ultrafast laser stabilization by nonlinear absorption for enhanced-precision material processing. Optics Letters, 2022, 47, 993.	1.7	5
693	Graphitisation of Waste Carbon Powder with Femtosecond Laser Annealing. Micromachines, 2022, 13, 120.	1.4	0
694	Third-order optical nonlinearity in nucleobase solid thin solid film and its application for ultrashort light pulse generation. Journal of Materials Chemistry C, 2022, 10, 3517-3522.	2.7	3
695	Underwater gas self-transportation along femtosecond laser-written open superhydrophobic surface microchannels (<math>\leq 100 \text{ \AA}</math>) for bubble/gas manipulation. International Journal of Extreme Manufacturing, 2022, 4, 015002.	6.3	34
696	Biomimetic sapphire windows enabled by inside-out femtosecond laser deep-scribing. Photonix, 2022, 3, .	5.5	75
697	Characterization of Laser-Induced Ionization Dynamics in Solid Dielectrics. ACS Photonics, 2022, 9, 233-240.	3.2	8
698	High-quality rapid laser drilling of transparent hard materials. Optics Letters, 2022, 47, 921.	1.7	12
699	Large area uniform femtosecond-laser-induced periodic surface structures fabricated on heated $\text{LiNbO}_3$ :Fe. Japanese Journal of Applied Physics, 2022, 61, 020902.	0.8	2
700	Significant improvement in optical propagation of lithium niobate written waveguides by a thermal annealing. Optics and Laser Technology, 2022, 149, 107871.	2.2	0
701	Optimization strategy for high-quality laser milling of silicon. Optics and Laser Technology, 2022, 150, 107921.	2.2	3
702	Nature-Inspired Superwettability Achieved by Femtosecond Lasers. Ultrafast Science, 2022, 2022, .	5.8	50
703	A Flexible and Ultra-Wideband Terahertz Wave Absorber Based on Pyramid-Shaped Carbon Nanotube Array via Femtosecond Laser Microprocessing and Two-Step Transfer Technique. Advanced Materials Interfaces, 2022, 9, .	1.9	5
704	Nano-cylindrical hole metamaterials for high-efficiency ultra-bandwidth two-dimensional diffraction. Optical Materials, 2022, 125, 112065.	1.7	7
705	Mechanically and thermally stable thin sheets of broadband antireflection surfaces fabricated by femtosecond lasers. Optics and Laser Technology, 2022, 150, 107935.	2.2	8
706	Green Flexible Graphene-Inorganic-Hybrid Micro-Supercapacitors Made of Fallen Leaves Enabled by Ultrafast Laser Pulses. Advanced Functional Materials, 2022, 32, .	7.8	46
707	Laser Fabrication of Nanoholes on Silica through Surface Window Assisted Nano-Drilling (SWAN). Nanomaterials, 2021, 11, 3340.	1.9	5



#	ARTICLE	IF	CITATIONS
708	Liquid vortexes and flows induced by femtosecond laser ablation in liquid governing formation of circular and crisscross LIPSS. Opto-Electronic Advances, 2022, 5, 210066-210066.	6.4	23
709	Liquid vortexes and flows induced by femtosecond laser ablation in liquid governing formation of circular and crisscross LIPSS. Opto-Electronic Advances, 2022, 5, 210066-210066.	6.4	3
710	A Thermocycler Using a Chip Resistor Heater and a Glass Microchip for a Portable and Rapid Microchip-Based PCR Device. Micromachines, 2022, 13, 339.	1.4	7
711	Electrically Controlled Enrichment of Analyte for Ultrasensitive SERS-Based Plasmonic Sensors. Nanomaterials, 2022, 12, 844.	1.9	5
712	Free-Form Micro-Optics Out of Crystals: Femtosecond Laser 3D Sculpturing. Advanced Functional Materials, 2022, 32, .	7.8	19
713	Femtosecond laser corneal damage thresholds at 1540 nm and 2000 nm. , 2022, , .		0
714	Polished diamond X-ray lenses. Journal of Synchrotron Radiation, 2022, 29, 629-643.	1.0	7
715	Tuning Collective Plasmon Resonances of Femtosecond Laser-Printed Metasurface. Materials, 2022, 15, 1834.	1.3	5
716	Resonant Laser Printing of Optical Metasurfaces. Nano Letters, 2022, 22, 2786-2792.	4.5	20
717	Three-temperature modeling of laser-induced damage process in silicon. Applied Physics Express, 2022, 15, 041008.	1.1	8
718	Fabrication of femtosecond laser written depressed-cladding waveguides in Tm <sup>3+</sup> :BaY <sub>2</sub> F <sub>8</sub> crystal and laser operation near 2.14μm. Optical Materials, 2022, 126, 112121.	1.7	7
719	Insights into the Correlation between Residual Stresses, Phase Transformation, and Wettability of Femtosecond Laser-Irradiated Ductile Iron. Nanomaterials, 2022, 12, 1271.	1.9	0
720	Studies on passively Q-switched ytterbium doped all-fiber laser using fiber optic ring resonator. Journal of Optics (United Kingdom), 2022, 24, 054012.	1.0	1
721	Interaction of low-fluence femtosecond laser pulses with a composite layer containing Ge nanoclusters: A novel type of nanofoam formation. Journal of Laser Applications, 2022, 34, 022002.	0.8	1
722	A molecular dynamics study of laser-excited gold. Matter and Radiation at Extremes, 2022, 7, 036901.	1.5	5
723	The nonlinear optical properties of Zirconium pentatelluride and its application in ultrafast solid-state lasers. Optics and Laser Technology, 2022, 150, 108003.	2.2	9
724	A diode-pumped femtosecond Pr:YLF laser emitting at the near-infrared 915Ånm. Optics and Laser Technology, 2022, 151, 107993.	2.2	1
725	Near-Field Mediated 40Ånm In-Volume Glass Fabrication by Femtosecond Laser. Advanced Optical Materials, 2022, 10, .	3.6	13

#	ARTICLE	IF	CITATIONS
726	Anti-parity-time topologically undefined state. <i>New Journal of Physics</i> , 2021, 23, 123039.	1.2	1
727	Two-step hybrid process of movable part inside glass substrate using ultrafast laser. <i>Micro and Nano Systems Letters</i> , 2021, 9, .	1.7	4
728	Femtosecond Pulse Generation by Nonlinear Optical Gain Modulation. <i>Advanced Photonics Research</i> , 2022, 3, .	1.7	6
729	Flexible refractive and diffractive micro-optical films shaped by fitting aspherical microprofiles with featured aperture and depth and their spatial arrangement for imaging applications. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2022, 40, 022804.	0.6	0
730	Building complex network from laser beam: introducing a novel parameter for beam quality analysis. <i>European Physical Journal Plus</i> , 2022, 137, .	1.2	0
731	Femtosecond Laser-Fabricated Photonic Chips for Optical Communications: A Review. <i>Micromachines</i> , 2022, 13, 630.	1.4	7
732	Basics and applications of optical interferometers integrated by femtosecond laser. , 2022, 1, .		1
733	Far-Field Parallel Direct Writing of Sub-Diffraction-Limit Metallic Nanowires by Spatially Modulated Femtosecond Vector Beam. <i>Advanced Materials Technologies</i> , 0, , 2200125.	3.0	4
734	Strong-field physics with nanospheres. <i>Advances in Physics: X</i> , 2022, 7, .	1.5	7
736	Gold Metasurfaces as Saturable Absorbers for All-Normal-Dispersion Ytterbium-Doped Mode-Locked Fiber Laser. <i>IEEE Photonics Journal</i> , 2022, 14, 1-6.	1.0	0
737	Process Research on the Microgroove Depth Uniformity of Bursting Discs Using Femtosecond Lasers. <i>Coatings</i> , 2022, 12, 567.	1.2	1
738	Hybrid Surface-Enhanced Raman Scattering Substrates for the Trace Detection of Ammonium Nitrate, Thiram, and Nile Blue. <i>ACS Omega</i> , 2022, 7, 15969-15981.	1.6	14
739	High Stability Industrial-Grade Nd: YVO4 Picosecond Laser Amplifier With High Average Output Power. <i>Frontiers in Physics</i> , 2022, 10, .	1.0	1
740	Morphology of Meteorite Surfaces Ablated by High-Power Lasers: Review and Applications. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4869.	1.3	2
741	Combined pulse laser: Reliable tool for high-quality, high-efficiency material processing. <i>Optics and Laser Technology</i> , 2022, 153, 108209.	2.2	47
742	Raman-enhanced multicolor pulses in dissipative soliton mode-locked ring-cavity fiber laser based on GIMF-SA. <i>Optik</i> , 2022, 262, 169390.	1.4	5
743	Low surface damage laser processing of silicon by laser-induced plasma etching (LIPE). <i>Applied Surface Science</i> , 2022, 597, 153712.	3.1	1
744	Femtosecond Laser-Ablated Copper Surface as a Substrate for a MoS2-Based Hydrogen Evolution Reaction Electrocatalyst. <i>Materials</i> , 2022, 15, 3926.	1.3	4

#	ARTICLE	IF	CITATIONS
745	2D BP/InSe Heterostructures as a Nonlinear Optical Material for Ultrafast Photonics. <i>Nanomaterials</i> , 2022, 12, 1809.	1.9	11
746	Ultrashort Pulsed Laser Drilling of Printed Circuit Board Materials. <i>Materials</i> , 2022, 15, 3932.	1.3	6
747	Ultrafast operation on a novel Nd:LaMgAl <sub>11</sub> O <sub>19</sub> disordered crystal laser. <i>Infrared Physics and Technology</i> , 2022, 124, 104227.	1.3	3
748	Titanium Carbide MXene as a Mode Locker in Erbium-Doped Fiber Laser Cavity. <i>Journal of Russian Laser Research</i> , 0, , .	0.3	1
749	Q-Switched Fiber Laser with a Hafnium-Bismuth-Erbium Codoped Fiber as Gain Medium and Sb <sub>2</sub> Te <sub>3</sub> as Saturable Absorber. <i>Journal of Russian Laser Research</i> , 0, , .	0.3	1
750	Femtosecond laser-induced periodic structures: mechanisms, techniques, and applications. , 2022, 1, 220005-220005.		29
751	Shape regulation of tapered microchannels in silica glass ablated by femtosecond laser with theoretical modeling and machine learning. <i>Journal of Intelligent Manufacturing</i> , 2023, 34, 2907-2924.	4.4	4
752	Study on laser ablation of glass using MHz-to-GHz burst pulses. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, .	1.1	6
753	Electron-Phonon Coupling and Nonthermal Effects in Gold Nano-Objects at High Electronic Temperatures. <i>Materials</i> , 2022, 15, 4883.	1.3	3
754	On-chip beam rotators, adiabatic mode converters, and waveplates through low-loss waveguides with variable cross-sections. <i>Light: Science and Applications</i> , 2022, 11, .	7.7	21
755	TMO <sub>2</sub> -Derived $\text{PbMnO}_2$ Nanosheets for Harmonic Soliton Molecule Pulses Generation. <i>Annalen Der Physik</i> , 2022, 534, .	0.9	1
756	High-Repetition-Rate Real-Time Automatic Mode-Locked Fibre Laser Enabled by a Pre-Stretch Technique. <i>IEEE Photonics Technology Letters</i> , 2022, 34, 791-794.	1.3	1
757	Tailored engineering of crystalline surface enabled by ion-irradiation-assisted femtosecond laser ablation. <i>Vacuum</i> , 2022, 204, 111334.	1.6	2
758	Uniformity Control of Laser-Induced Periodic Surface Structures. <i>Frontiers in Physics</i> , 0, 10, .	1.0	8
759	Formation of Nano- and Micro-Scale Surface Features Induced by Long-Range Femtosecond Filament Laser Ablation. <i>Nanomaterials</i> , 2022, 12, 2493.	1.9	2
760	Ultrafast Laser Texturing of Stainless Steel in Water and Air Environment. <i>Lasers in Manufacturing and Materials Processing</i> , 2022, 9, 434-453.	1.2	8
761	Effect of Atomic-Temperature Dependence of the Electron-Phonon Coupling in Two-Temperature Model. <i>Materials</i> , 2022, 15, 5193.	1.3	7
762	Optimization of multistage femtosecond laser drilling process using machine learning coupled with molecular dynamics. <i>Optics and Laser Technology</i> , 2022, 156, 108442.	2.2	6

#	ARTICLE	IF	CITATIONS
763	The Generation of 1.2 $\mu$ J Pulses From a Mamyshev Oscillator Based on a High Concentration, Large-Mode-Area Yb-Doped Fiber. <i>Journal of Lightwave Technology</i> , 2022, 40, 7175-7179.	2.7	7
764	Regular Periodic Surface Structures on Indium Tin Oxide Film Efficiently Fabricated by Femtosecond Laser Direct Writing with a Cylindrical Lens. <i>Materials</i> , 2022, 15, 5092.	1.3	3
765	Two-fluid plasma model for ultrashort laser-induced electron-hole nanoplasmas. <i>Physical Review B</i> , 2022, 106, .	1.1	3
766	Simple and cost-effective broad bandwidth fiber chirped pulse amplification laser system seeded by a nonlinear amplifier. <i>Applied Optics</i> , 2022, 61, 7025.	0.9	1
767	Artificial Seedsâ€Regulated Femtosecond Laser Plasmonic Nanopatterning. <i>Laser and Photonics Reviews</i> , 2022, 16, .	4.4	14
768	3D Printed Biohybrid Microsystems. <i>Advanced Materials Technologies</i> , 2023, 8, .	3.0	5
769	Wavelength dependence of laser-induced excitation dynamics in silicon. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, .	1.1	5
770	Wafer-scale high aspect-ratio sapphire periodic nanostructures fabricated by self-modulated femtosecond laser hybrid technology. <i>Optics Express</i> , 2022, 30, 32244.	1.7	4
771	Ultrashort near-infrared pulse generation by non-collinear optical parametric amplification in LiInSâ„, , 0, , .		0
772	Anesthetic-, irrigation- and pain-free dentistry? The case for a femtosecond laser enabled intraoral robotic device. <i>Frontiers in Dental Medicine</i> , 0, 3, .	0.5	2
773	Onâ€Demand Plasmon Nanoparticleâ€Embedded Laserâ€Induced Periodic Surface Structures (LIPSSs) on Silicon for Optical Nanosensing. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	12
774	Silicon photonic devices for scalable quantum information applications. <i>Photonics Research</i> , 2022, 10, A135.	3.4	24
775	Femtosecond laser modification combined with chemical etching to achieve high-quality cutting of millimeter-thick fused silica. <i>Optik</i> , 2022, 269, 169861.	1.4	1
776	Recent Advances in Laserâ€Induced Graphene: Mechanism, Fabrication, Properties, and Applications in Flexible Electronics. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	72
777	Temperature-dependent electrical and structural characterization of laser-induced graphitic microwires in CVD diamond. <i>Diamond and Related Materials</i> , 2022, 128, 109294.	1.8	2
778	3D skin models along with skin-on-a-chip systems: A critical review. <i>Chinese Chemical Letters</i> , 2023, 34, 107819.	4.8	11
779	Efficient fabrication of ternary coupling biomimetic superhydrophobic surfaces with superior performance of anti-wetting and self-cleaning by a simple two-step method. <i>Materials and Design</i> , 2022, 223, 111145.	3.3	9
780	Deep investigation of two-dimensional structure arrays formed on Si surface. <i>Applied Surface Science</i> , 2022, 605, 154615.	3.1	2

#	ARTICLE	IF	CITATIONS
781	Ultrafast laser surface irradiation of silicon: Effects of repetition rate in vacuum and air. Applied Surface Science, 2022, 606, 154869.	3.1	3
782	Femtosecond laser surface structuring of silicon in dynamic irradiation conditions. Optics and Laser Technology, 2022, 156, 108594.	2.2	2
783	Laser ablation on coated metal gravures for roll-to-roll printed electronics. Optics Communications, 2023, 527, 128948.	1.0	4
784	Gold Metasurface for Passive Mode-locking at 1 $\mu\text{m}$ Region. , 2022, , .		0
785	High-Speed Speckle Averaging for Phase-Only Beam Shaping in Laser Materials Processing. SSRN Electronic Journal, 0, , .	0.4	1
786	Picosecond laser machining of ceramic matrix composite. Procedia CIRP, 2022, 111, 629-633.	1.0	1
788	Multiphonon-assisted lasing beyond the fluorescence spectrum. Nature Physics, 2022, 18, 1312-1316.	6.5	20
789	Optical coherence tomographyâ€™in situ and high-speed 3D imaging for laser materials processing. Light: Science and Applications, 2022, 11, .	7.7	2
790	30 W-average-power femtosecond NIR laser operating in a flexible GHz-burst-regime. Optics Express, 2022, 30, 36849.	1.7	7
791	Burst mode enabled ultrafast laser inscription inside gallium arsenide. International Journal of Extreme Manufacturing, 2022, 4, 045001.	6.3	11
792	Complete characterization of ultrafast optical fields by phase-preserving nonlinear autocorrelation. Light: Science and Applications, 2022, 11, .	7.7	6
793	Generating Microstructures with Highly Variable Mechanical Performance using Two-Photon Lithography and Thiol-ene Photopolymerization. Chinese Journal of Polymer Science (English Edition), 2023, 41, 67-74.	2.0	2
794	Methods for uniform beam shaping and their effect on material ablation. Applied Physics A: Materials Science and Processing, 2022, 128, .	1.1	1
795	Characteristics of femtosecond laser-induced shockwaves in air. Optics Express, 2022, 30, 37407.	1.7	5
796	A large-size and polarization-independent two dimensional grating fabricated by scanned reactive-ion-beam etching. Nanophotonics, 2022, 11, 4649-4657.	2.9	2
797	Locally varying formation of nanoclusters across a low-intensity ultra-short laser spot. Nanoscale Horizons, 0, , .	4.1	0
798	High-power 0.4-mJ picosecond CPA system based on an extra-large-mode-area triple-clad fiber. Optics Express, 2022, 30, 41171.	1.7	3
799	Analysis of the Passive Stabilization Methods of Optical Frequency Comb in Ultrashort-Pulse Erbium-Doped Fiber Lasers. Fibers, 2022, 10, 88.	1.8	2

#	ARTICLE	IF	CITATIONS
800	In-line Mach-Zehnder interferometer and Bragg grating integrated by femtosecond laser for discrimination of temperature and directional torsion. <i>Optics Express</i> , 2022, 30, 41933.	1.7	4
801	An out-of-plane displacement sensor based on Talbot effect in angular-modulated double-layer optical gratings. <i>Applied Optics</i> , 0, , .	0.9	0
802	Effect of surface roughness on femtosecond laser ablation of 4H-SiC substrates. <i>Journal of Central South University</i> , 2022, 29, 3294-3303.	1.2	4
803	Compact, repetition rate locked all-PM fiber femtosecond laser system based on low noise figure-9 Er: fiber laser. <i>Optics and Laser Technology</i> , 2023, 158, 108818.	2.2	1
804	Hierarchical composite structure to simultaneously realize superior superhydrophobicity and anti-reflection. <i>Applied Surface Science</i> , 2023, 611, 155652.	3.1	3
805	Improvement in measuring losses by interferometric technique for glass waveguides produced by femtosecond laser writing. <i>Optics Communications</i> , 2022, , 129132.	1.0	0
806	Photonic Microfluidic Technologies for Phytoplankton Research. <i>Biosensors</i> , 2022, 12, 1024.	2.3	0
807	Oxygen evolution reaction enhancement of copper electrodes in alkaline medium using ultrafast femtosecond laser structuring. <i>International Journal of Hydrogen Energy</i> , 2024, 52, 2-13.	3.8	5
808	Ultrafast-laser powder bed fusion of oxygen-deficient Nb <sub>2</sub> O <sub>5</sub> ceramics with highly improved electrical properties. <i>Materials and Design</i> , 2022, 224, 111346.	3.3	2
809	Femtosecond laser written continuous-wave Nd <sup>3+</sup> :BaY <sub>2</sub> F <sub>8</sub> waveguide laser at 1.3 $\mu$ m. <i>Optical Materials</i> , 2022, 134, 113199.	1.7	2
810	Quasicylindrical Waves for Ordered Nanostructuring. <i>Nano Letters</i> , 2022, 22, 9658-9663.	4.5	9
811	Microstructures formed in polypropylene by a single pulse of near-infrared ultrafast laser with nonlinear absorption. <i>Optics and Laser Technology</i> , 2023, 158, 108886.	2.2	0
812	Passively mode-locked thulium-doped fiber laser based on a SWCNTs@AFI saturable absorber. <i>Infrared Physics and Technology</i> , 2023, 128, 104479.	1.3	3
813	High-power 50 fs Kerr-lens mode-locked Yb:CALGO oscillator. <i>Optics and Laser Technology</i> , 2023, 159, 109019.	2.2	3
814	Size-Dependent Photobleaching Mechanism and Kinetics Induced by Nanosecond Laser Pulses in Colloidal Semiconductor Quantum Dots. <i>Langmuir</i> , 2022, 38, 15088-15105.	1.6	0
815	Femtosecond laser direct writing multilayer chiral waveplates with minimal linear birefringence. <i>Optics Letters</i> , 2023, 48, 271.	1.7	5
816	Enhanced energy deposition and carrier generation in silicon induced by two-color intense femtosecond laser pulses. <i>Physical Review B</i> , 2022, 106, .	1.1	3
817	Comparison of Submillimeter Spot Ablation of Copper and Nickel by Multipulse Picosecond and Femtosecond Laser. <i>Metals</i> , 2022, 12, 1971.	1.0	0

#	ARTICLE	IF	CITATIONS
818	Dynamics of laser-bumped electron-hole semiconductor plasma. <i>Frontiers in Physics</i> , 0, 10, .	1.0	0
819	Bioinspired Superhydrophobic Swimming Robots with Embedded Microfluidic Networks and Photothermal Switch for Controllable <i>Marangoni</i> Propulsion. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	12
820	Recent advance of high-energy ultrafast mode-locked oscillators based on Mamyshev mechanism with different starting modes. <i>Optical Engineering</i> , 2022, 61, .	0.5	2
821	Graphene nano-sieves by femtosecond laser irradiation. <i>Nanotechnology</i> , 2023, 34, 105302.	1.3	4
822	Structuring of thin films by ultrashort laser pulses. <i>Applied Physics A: Materials Science and Processing</i> , 2023, 129, .	1.1	7
823	Accelerating ultrashort pulse laser micromachining process comprehensive optimization using a machine learning cycle design strategy integrated with a physical model. <i>Journal of Intelligent Manufacturing</i> , 2024, 35, 449-465.	4.4	1
824	Laser Obtained Superhydrophobic State for Stainless Steel Corrosion Protection, a Review. <i>Coatings</i> , 2023, 13, 194.	1.2	13
825	Evaporative and Wicking Functionalities at Hot Airflows of Laser Nano-/Microstructured Ti-6Al-4V Material. <i>Nanomaterials</i> , 2023, 13, 218.	1.9	3
826	The mechanism of irregular hole-shape formation during ultrafast laser micro-drilling of metals. <i>Applied Physics A: Materials Science and Processing</i> , 2023, 129, .	1.1	0
827	Nanoscale Vacancy-Mediated Aggregation, Dissociation, and Splitting of Nitrogen Centers in Natural Diamond Excited by Visible-Range Femtosecond Laser Pulses. <i>Nanomaterials</i> , 2023, 13, 258.	1.9	1
828	Single-shot selective femtosecond and picosecond infrared laser crystallization of an amorphous Ge/Si multilayer stack. <i>Optics and Laser Technology</i> , 2023, 161, 109161.	2.2	8
829	Optical excitation-induced ultrafast amorphization in the Y-Sb-Te alloy system: Insights from real-time time-dependent DFT with molecular dynamics calculations. <i>Physical Review B</i> , 2022, 106, .	1.1	4
830	A Two-Step Femtosecond Laser-Based Deposition of Robust Corrosion-Resistant Molybdenum Oxide Coating. <i>Materials</i> , 2023, 16, 909.	1.3	5
831	Nd <sup>3+</sup> -Doped La <sub>2</sub> CaB <sub>8</sub> O <sub>16</sub> Crystals for Orthogonally Polarized Dual-Wavelength Near-Infrared Lasers. <i>Chemistry of Materials</i> , 2023, 35, 739-746.	3.2	5
832	Curve-shaped ultrashort laser pulses with programmable spatiotemporal behavior. <i>Optica</i> , 0, , .	4.8	3
833	Micro-electrochemical DO sensor with ultra-micropore matrix fabricated with femtosecond laser processing successfully applied in on-line DO monitoring for yeast culture. <i>Biotechnology Letters</i> , 2023, 45, 449-461.	1.1	1
834	Saturable Absorbers for Ultrafast Fiber Laser Mode-locking. , 2022, , .		0
835	Internal Structuring of Semiconductors with Ultrafast Lasers: Opening a Route to Three-Dimensional Silicon Photonics. <i>Springer Series in Optical Sciences</i> , 2023, , 979-1018.	0.5	0

#	ARTICLE	IF	CITATIONS
836	Nonstandard Light for Ultrafast Laser Microstructuring and Nanostructuring. Springer Series in Optical Sciences, 2023, , 581-621.	0.5	2
837	How Light Drives Material Periodic Patterns Down to the Nanoscale. Springer Series in Optical Sciences, 2023, , 209-255.	0.5	4
838	Nanofluidics Fabricated by 3D Femtosecond Laser Processing. Springer Series in Optical Sciences, 2023, , 1085-1103.	0.5	0
839	Study of Ion-Assisted E-Beam Evaporation Coating Process on Chirped Mirrors. Coatings, 2023, 13, 356.	1.2	0
840	Generation of soliton mode-locked erbium-doped fibre laser with vanadium aluminum carbide thin film. Optik, 2023, 276, 170661.	1.4	4
841	GHz bursts in MHz burst (BiBurst) enabling high-speed femtosecond laser ablation of silicon due to prevention of air ionization. International Journal of Extreme Manufacturing, 2023, 5, 025002.	6.3	4
842	Femtosecond laser preparation of resin embedded samples for correlative microscopy workflows in life sciences. Applied Physics Letters, 2023, 122, .	1.5	4
843	On enhancement of fracture resistance of adhesive joints by surface micropatterning using a femtosecond laser. Journal of Materials Processing Technology, 2023, 315, 117904.	3.1	5
844	Numerical investigation on influence of the saturable absorber in Tm-doped fiber laser. Optics Communications, 2023, 536, 129381.	1.0	1
845	Investigations on the quality improvement of laser processing for LN. Optics and Laser Technology, 2023, 161, 109231.	2.2	1
846	High-speed speckle averaging for phase-only beam shaping in laser materials processing. Optics and Lasers in Engineering, 2023, 165, 107537.	2.0	3
847	Spot arrays for uniform material ablation with ultrashort pulsed lasers. Optics and Laser Technology, 2023, 163, 109358.	2.2	0
848	Discrimination of tooth composition through temporally shaped femtosecond laser-induced breakdown spectroscopy. Journal of Laser Applications, 2023, 35, 022010.	0.8	0
849	Perspective on ultrashort pulse laser micromachining. Applied Physics A: Materials Science and Processing, 2023, 129, .	1.1	2
850	Space-resolved light emitting and lasing behaviors of crystalline perovskites upon femtosecond laser ablation. Materials Today Physics, 2023, 31, 101000.	2.9	6
851	Attenuation of electromagnetic waves in polymeric terahertz imbibers: review. Journal of Materials Science: Materials in Electronics, 2023, 34, .	1.1	2
852	Universal Method for Determining the Principal Optical Indicatrix Axes in Triclinic Crystals. Crystal Growth and Design, 2023, 23, 1935-1940.	1.4	1
853	High-Quality Femtosecond Laser Surface Micro/Nano-Structuring Assisted by A Thin Frost Layer. Advanced Materials Interfaces, 2023, 10, .	1.9	6



#	ARTICLE	IF	CITATIONS
854	Ultrafast Laser Writing in Different Types of Silica Glass. <i>Laser and Photonics Reviews</i> , 2023, 17, .	4.4	6
855	Recent Advances and Outlook in Single-Cavity Dual Comb Lasers. <i>Photonics</i> , 2023, 10, 221.	0.9	5
856	Morphologies of Cemented Tungsten Carbides Irradiated by Femtosecond Laser with High Pulse Energy for Machining Enhanced Cutting Tools. <i>International Journal of Precision Engineering and Manufacturing</i> , 2023, 24, 547-553.	1.1	6
857	Femtosecond Laser-Induced Nano-Joining of Volatile Tellurium Nanotube Memristor. <i>Nanomaterials</i> , 2023, 13, 789.	1.9	2
859	Spatiotemporal dynamics of water film confinement during spreading and evaporation in highly hierarchical wicking nano/microstructure on Si surface at 120°C. <i>AIP Advances</i> , 2023, 13, .	0.6	1
860	Wavelength-Tunable Narrow-Linewidth Laser Diode Based on Self-Injection Locking with a High-Q Lithium Niobate Microring Resonator. <i>Nanomaterials</i> , 2023, 13, 948.	1.9	4
861	Evaluating the retinal hazard from exposures to the supercontinuum generated by a NIR femtosecond laser. , 2023, , .		0
863	Study on the Origin and Evolution of Femtosecond Laser-Induced Surface Structures: LIPSS, Quasi-Periodic Grooves, and Aperiodic Micro-Ridges. <i>Materials</i> , 2023, 16, 2184.	1.3	2
864	Thermodynamical Analysis of the Formation of $\Gamma$ -Si Ring Structures on Silicon Surface. <i>Materials</i> , 2023, 16, 2205.	1.3	1
865	Laser-Induced Cavitation-Assisted True 3D Nano-Sculpturing of Hard Materials. <i>Small</i> , 2023, 19, .	5.2	7
866	Periodic Surface Structuring of Copper with Spherical and Cylindrical Lenses. <i>Nanomaterials</i> , 2023, 13, 1005.	1.9	1
867	High-temperature silicon carbide material with wicking and evaporative cooling functionalities fabricated by femtosecond laser surface nano/microstructuring. <i>Ceramics International</i> , 2023, 49, 20138-20147.	2.3	8
868	Direct and low-loss connection between a hollow-core optical fiber and a dispersion compensating fiber for dispersion-free delivery of short optical pulses in hollow-core fiber. , 2023, , .		2
869	Predicting algorithm for laser processing parameters using spectral-domain optical coherence tomography. , 2023, , .		0
870	Ultrafast ablation dynamics of Cu by single pulse and GHz fs laser bursts. , 2023, , .		0
871	Quantum Emitters with Narrow Band and High Debye-Waller Factor in Aluminum Nitride Written by Femtosecond Laser. <i>Nano Letters</i> , 2023, 23, 2743-2749.	4.5	6
872	CrPS4 Nanoflakes as Stable Direct-Band-Gap 2D Materials for Ultrafast Pulse Laser Applications. <i>Nanomaterials</i> , 2023, 13, 1128.	1.9	2
873	Mechanisms of ultrafast GHz burst fs laser ablation. <i>Science Advances</i> , 2023, 9, .	4.7	11

#	ARTICLE	IF	CITATIONS
874	Broadband Antireflective Hybrid Micro/Nanostructure on Zinc Sulfide Fabricated by Optimal Bessel Femtosecond Laser. <i>Nanomaterials</i> , 2023, 13, 1225.	1.9	0
875	Fabrication and Applications of Heterostructure Materials for Broadband Ultrafast Photonics. <i>Advanced Optical Materials</i> , 2023, 11, .	3.6	7
876	The Universality of Self-Organisation: A Path to an Atom Printer?. <i>Springer Series in Optical Sciences</i> , 2023, , 173-207.	0.5	0
877	Ultrafast Laser Volume Nanostructuring of Transparent Materials: From Nanophotonics to Nanomechanics. <i>Springer Series in Optical Sciences</i> , 2023, , 1053-1084.	0.5	1
878	Controlled Nanostructuring of Transparent Matter with Temporal Airy Pulses. <i>Springer Series in Optical Sciences</i> , 2023, , 623-651.	0.5	0
879	Ti <sub>3</sub> SiC <sub>2</sub> MAX phase for generating mode-locked pulses in 1.5-μm wavelength region. <i>Microwave and Optical Technology Letters</i> , 0, , .	0.9	0
897	Self-Powered, Broadband (400-1800 Nm), Highly Responsive Photodetectors Based on Germanium Micropillars/Cu <sub>2</sub> -ZnSnS <sub>4</sub> Heterojunctions. , 2022, , .		0
900	Resilient Calcination Transformed Micro-Optics. , 0, , .		0
904	Spatial light modulation for femtosecond laser manufacturing: Current developments and challenges. <i>Science China Technological Sciences</i> , 2024, 67, 60-72.	2.0	2
908	Green nanoparticle synthesis at scale: a perspective on overcoming the limits of pulsed laser ablation in liquids for high-throughput production. <i>Physical Chemistry Chemical Physics</i> , 2023, 25, 19380-19408.	1.3	8
933	Nanomachining. , 0, , .		0
948	500 mj, 1 kHz, thin-disk multipass amplifier. , 2023, , .		0
949	Progress in Few-Cycle and GHz Kerr-Lens Mode-Locked Yb:CALGO Oscillators. , 2023, , .		0
961	Laser Micromachining - an encyclopedia article. , 2021, , .		0
962	Ultrafast Lasers - an encyclopedia article. , 2005, , .		0
976	Computer Modeling and Comparative Analysis of Surface Microrelief Control by the Method of Reflection of a Sliding Laser Beam. <i>Lecture Notes in Networks and Systems</i> , 2023, , 436-446.	0.5	0
977	A digital representation algorithm for long distance transmission laser spot energy intensity distribution. , 2023, , .		0
998	Micro/nanoengineering of functionalized metal surfaces based on short/ultra-short-pulsed lasers: a review. <i>Journal of Materials Science</i> , 2024, 59, 1819-1866.	1.7	0

#	ARTICLE	IF	CITATIONS
1002	Editorial: Special Issue "Laser Synthesis and Processing of Nanostructured Materials", Nanomaterials, 2024, 14, 344.	1.9	0
1006	MW peak power diffraction-limited chirped-pulse Yb-doped tapered fiber amplifier. , 2024, , 405-429.		0
1011	Encoders for Optical Imaging. , 2024, , 15-36.		0