

Feng Chen

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

218
papers

6,636
citations

42
h-index

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229
ext. papers

8,010
ext. citations

5.1
avg. IF

6.19
L-index

#	Paper	IF	Citations
218	Isothermal Amplification of Nucleic Acids. <i>Chemical Reviews</i> , 2015 , 115, 12491-545	68.1	865
217	Superoleophobic surfaces. <i>Chemical Society Reviews</i> , 2017 , 46, 4168-4217	58.5	435
216	Bioinspired wetting surface via laser microfabrication. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 6777-92	9.5	154
215	A simple way to achieve superhydrophobicity, controllable water adhesion, anisotropic sliding, and anisotropic wetting based on femtosecond-laser-induced line-patterned surfaces. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 5499-5507	13	140
214	Bioinspired underwater superoleophobic surface with ultralow oil-adhesion achieved by femtosecond laser microfabrication. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 8790-8795	13	136
213	Femtosecond laser ablated durable superhydrophobic PTFE films with micro-through-holes for oil/water separation: Separating oil from water and corrosive solutions. <i>Applied Surface Science</i> , 2016 , 389, 1148-1155	6.7	127
212	A simple way to achieve pattern-dependent tunable adhesion in superhydrophobic surfaces by a femtosecond laser. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 4905-12	9.5	121
211	Femtosecond Laser Weaving Superhydrophobic Patterned PDMS Surfaces with Tunable Adhesion. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 24907-24912	3.8	120
210	Fabrication of a transparent superamphiphobic coating with improved stability. <i>Soft Matter</i> , 2011 , 7, 6435	3.6	119
209	Maskless fabrication of concave microlens arrays on silica glasses by a femtosecond-laser-enhanced local wet etching method. <i>Optics Express</i> , 2010 , 18, 20334-43	3.3	110
208	Bioinspired Design of Underwater Superaerophobic and Superaerophilic Surfaces by Femtosecond Laser Ablation for Anti- or Capturing Bubbles. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 39863-39871	9.5	108
207	Remarkably simple achievement of superhydrophobicity, superhydrophilicity, underwater superoleophobicity, underwater superoleophilicity, underwater superaerophobicity, and underwater superaerophilicity on femtosecond laser ablated PDMS surfaces. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 25249-25257	13	108
206	Rapid fabrication of large-area concave microlens arrays on PDMS by a femtosecond laser. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 9382-5	9.5	106
205	Photoinduced switchable underwater superoleophobicity/superoleophilicity on laser modified titanium surfaces. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10703-10709	13	101
204	Controllable adhesive superhydrophobic surfaces based on PDMS microwell arrays. <i>Langmuir</i> , 2013 , 29, 3274-9	4	100
203	Femtosecond laser controlled wettability of solid surfaces. <i>Soft Matter</i> , 2015 , 11, 8897-906	3.6	94
202	Oil-Water Separation: A Gift from the Desert. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500650	4.6	91

201	Anisotropic wetting on microstrips surface fabricated by femtosecond laser. <i>Langmuir</i> , 2011 , 27, 359-65	4	87
200	Bioinspired transparent underwater superoleophobic and anti-oil surfaces. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9379-9384	13	86
199	Two-dimensional MXene-reinforced robust surface superhydrophobicity with self-cleaning and photothermal-actuating binary effects. <i>Materials Horizons</i> , 2019 , 6, 1057-1065	14.4	86
198	Oil/water separation based on natural materials with super-wettability: recent advances. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 25140-25163	3.6	80
197	A simple route to fabricate artificial compound eye structures. <i>Optics Express</i> , 2012 , 20, 5775-82	3.3	79
196	Highly sensitive fluorescence assay of DNA methyltransferase activity via methylation-sensitive cleavage coupled with nicking enzyme-assisted signal amplification. <i>Biosensors and Bioelectronics</i> , 2013 , 42, 56-61	11.8	75
195	Nepenthes Inspired Design of Self-Repairing Omniphobic Slippery Liquid Infused Porous Surface (SLIPS) by Femtosecond Laser Direct Writing. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700552	4.6	73
194	Fabricating MnO ₂ Nanozymes as Intracellular Catalytic DNA Circuit Generators for Versatile Imaging of Base-Excision Repair in Living Cells. <i>Advanced Functional Materials</i> , 2017 , 27, 1702748	15.6	71
193	Programming Enzyme-Initiated Autonomous DNAzyme Nanodevices in Living Cells. <i>ACS Nano</i> , 2017 , 11, 11908-11914	16.7	70
192	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	7.7	70
191	Dragonfly-Eye-Inspired Artificial Compound Eyes with Sophisticated Imaging. <i>Advanced Functional Materials</i> , 2016 , 26, 1995-2001	15.6	69
190	A Review of Femtosecond-Laser-Induced Underwater Superoleophobic Surfaces. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1701370	4.6	68
189	Femtosecond laser induced hierarchical ZnO superhydrophobic surfaces with switchable wettability. <i>Chemical Communications</i> , 2015 , 51, 9813-6	5.8	64
188	Direct fabrication of compound-eye microlens array on curved surfaces by a facile femtosecond laser enhanced wet etching process. <i>Applied Physics Letters</i> , 2016 , 109, 221109	3.4	62
187	Femtosecond Laser Direct Writing of Porous Network Microstructures for Fabricating Super-Slippery Surfaces with Excellent Liquid Repellence and Anti-Cell Proliferation. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1701479	4.6	61
186	Superhydrophobic PDMS surfaces with three-dimensional (3D) pattern-dependent controllable adhesion. <i>Applied Surface Science</i> , 2014 , 288, 579-583	6.7	61
185	Influence of liquid environments on femtosecond laser ablation of silicon. <i>Thin Solid Films</i> , 2010 , 518, 5188-5194	2.2	60
184	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	3.7	58

183	Fabrication of large-area concave microlens array on silicon by femtosecond laser micromachining. <i>Optics Letters</i> , 2015 , 40, 1928-31	3	57
182	Reversible Underwater Lossless Oil Droplet Transportation. <i>Advanced Materials Interfaces</i> , 2015 , 2, 14003-8	3.8	55
181	Superhydrophobicity-memory surfaces prepared by a femtosecond laser. <i>Chemical Engineering Journal</i> , 2020 , 383, 123143	14.7	55
180	Stable superhydrophobic surface with hierarchical mesh-porous structure fabricated by a femtosecond laser. <i>Applied Physics A: Materials Science and Processing</i> , 2013 , 111, 243-249	2.6	53
179	Versatile route to gapless microlens arrays using laser-tunable wet-etched curved surfaces. <i>Optics Express</i> , 2012 , 20, 12939-48	3.3	52
178	Facile one-step preparation of robust hydrophobic cotton fabrics by covalent bonding polyhedral oligomeric silsesquioxane for ultrafast oil/water separation. <i>Chemical Engineering Journal</i> , 2020 , 379, 122391	14.7	51
177	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. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 8667-8675	9.5	49
176	Methylation-blocked enzymatic recycling amplification for highly sensitive fluorescence sensing of DNA methyltransferase activity. <i>Analyst, The</i> , 2013 , 138, 284-9	5	42
175	Mutual wetting transition between isotropic and anisotropic on directional structures fabricated by femtosecond laser. <i>Soft Matter</i> , 2011 , 7, 8337	3.6	41
174	Fabrication of bioinspired omnidirectional and gapless microlens array for wide field-of-view detections. <i>Applied Physics Letters</i> , 2012 , 100, 133701	3.4	41
173	Green, Biodegradable, Underwater Superoleophobic Wood Sheet for Efficient Oil/Water Separation. <i>ACS Omega</i> , 2018 , 3, 1395-1402	3.9	40
172	One-step highly sensitive fluorescence detection of T4 polynucleotide kinase activity and biological small molecules by ligation-nicking coupled reaction-mediated signal amplification. <i>Biosensors and Bioelectronics</i> , 2013 , 47, 218-24	11.8	38
171	Fabrication of concave spherical microlenses on silicon by femtosecond laser irradiation and mixed acid etching. <i>Optics Express</i> , 2014 , 22, 15245-50	3.3	36
170	How To Obtain Six Different Superwettabilities on a Same Microstructured Pattern: Relationship between Various Superwettabilities in Different Solid/Liquid/Gas Systems. <i>Langmuir</i> , 2019 , 35, 921-927	4	36
169	Fabrication of through holes in silicon carbide using femtosecond laser irradiation and acid etching. <i>Applied Surface Science</i> , 2014 , 289, 529-532	6.7	35
168	Ultrasensitive and selective detection of nicotinamide adenine dinucleotide by target-triggered ligation-rolling circle amplification. <i>Chemical Communications</i> , 2012 , 48, 3354-6	5.8	35
167	Wetting characteristics on hierarchical structures patterned by a femtosecond laser. <i>Journal of Micromechanics and Microengineering</i> , 2010 , 20, 075029	2	35
166	Bioinspired Fabrication of Bi/Tridirectionally Anisotropic Sliding Superhydrophobic PDMS Surfaces by Femtosecond Laser. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1701245	4.6	34

165	Polymerase/nicking enzyme synergetic isothermal quadratic DNA machine and its application for one-step amplified biosensing of lead (II) ions at femtomole level and DNA methyltransferase. <i>NPG Asia Materials</i> , 2014 , 6, e131-e131	10.3	33
164	Fabrication of three-dimensional helical microchannels with arbitrary length and uniform diameter inside fused silica. <i>Optics Letters</i> , 2012 , 37, 3825-7	3	33
163	Ultrafast nonlinear optical properties of Bi ₂ O ₃ /BiO ₂ oxide glass. <i>Optics Communications</i> , 2007 , 275, 230-233	2	32
162	Compressed Ultrafast Spectral-Temporal Photography. <i>Physical Review Letters</i> , 2019 , 122, 193904	7.4	31
161	Rapid fabrication of a large-area close-packed quasi-periodic microlens array on BK7 glass. <i>Optics Letters</i> , 2014 , 39, 606-9	3	31
160	Photoetching of spherical microlenses on glasses using a femtosecond laser. <i>Optics Communications</i> , 2009 , 282, 4119-4123	2	31
159	Anisotropic, adhesion-switchable, and thermal-responsive superhydrophobicity on the femtosecond laser-structured shape-memory polymer for droplet manipulation. <i>Chemical Engineering Journal</i> , 2020 , 400, 125930	14.7	30
158	Bioinspired superhydrophobic surfaces with directional Adhesion. <i>RSC Advances</i> , 2014 , 4, 8138	3.7	30
157	Designing Supermetaphobic Surfaces that Greatly Repel Liquid Metal by Femtosecond Laser Processing: Does the Surface Chemistry or Microstructure Play a Crucial Role?. <i>Advanced Materials Interfaces</i> , 2020 , 7, 1901931	4.6	27
156	Direct fabrication of seamless roller molds with gapless and shaped-controlled concave microlens arrays. <i>Optics Letters</i> , 2012 , 37, 4404-6	3	27
155	Large-scale high quality glass microlens arrays fabricated by laser enhanced wet etching. <i>Optics Express</i> , 2014 , 22, 29283-91	3.3	25
154	Alcohol-assisted photoetching of silicon carbide with a femtosecond laser. <i>Optics Communications</i> , 2009 , 282, 78-80	2	25
153	Inhibitory impact of 3'-terminal 2'-O-methylated small silencing RNA on target-primed polymerization and unbiased amplified quantification of the RNA in <i>Arabidopsis thaliana</i> . <i>Analytical Chemistry</i> , 2015 , 87, 8758-64	7.8	24
152	An alternative approach for femtosecond laser induced black silicon in ambient air. <i>Applied Surface Science</i> , 2012 , 261, 722-726	6.7	23
151	Design and analysis of the cross-linked dual helical micromixer for rapid mixing at low Reynolds numbers. <i>Microfluidics and Nanofluidics</i> , 2015 , 19, 169-180	2.8	22
150	Durability of the tunable adhesive superhydrophobic PTFE surfaces for harsh environment applications. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	22
149	A bioinspired planar superhydrophobic microboat. <i>Journal of Micromechanics and Microengineering</i> , 2014 , 24, 035006	2	22
148	Underwater Superaerophobic and Superaerophilic Nanoneedles-Structured Meshes for Water/Bubbles Separation: Removing or Collecting Gas Bubbles in Water. <i>Global Challenges</i> , 2018 , 2, 1700133	4.3	21

147	Underwater Transparent Miniature "Mechanical Hand" Based on Femtosecond Laser-Induced Controllable Oil-Adhesive Patterned Glass for Oil Droplet Manipulation. <i>Langmuir</i> , 2017 , 33, 3659-3665	4	20
146	Fabrication of three-dimensional microfluidic channels in glass by femtosecond pulses. <i>Optics Communications</i> , 2009 , 282, 657-660	2	19
145	Ultrafast temperature relaxation evolution in Au film under femtosecond laser pulses irradiation. <i>Optics Communications</i> , 2010 , 283, 1869-1872	2	19
144	IR Artificial Compound Eye. <i>Advanced Optical Materials</i> , 2020 , 8, 1901767	8.1	19
143	Femtosecond laser controlling underwater oil-adhesion of glass surface. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 119, 837-844	2.6	18
142	Controllable underwater anisotropic oil-wetting. <i>Applied Physics Letters</i> , 2014 , 105, 071608	3.4	18
141	3D Multi-Microchannel Helical Mixer Fabricated by Femtosecond Laser inside Fused Silica. <i>Micromachines</i> , 2018 , 9,	3.3	18
140	Morphological Feature Extraction Based on Multiview Images for Wear Debris Analysis in On-line Fluid Monitoring. <i>Tribology Transactions</i> , 2017 , 60, 408-418	1.8	17
139	Facile fabrication of true three-dimensional microcoils inside fused silica by a femtosecond laser. <i>Journal of Micromechanics and Microengineering</i> , 2012 , 22, 105017	2	17
138	Femtosecond Laser-Structured Underwater "Superoleophobic" Surfaces. <i>Langmuir</i> , 2019 , 35, 9318-9322	4	16
137	Femtosecond-Laser-Produced Underwater "Superoleophobic" Nanorippled Surfaces: Repelling Liquid Polymers in Water for Applications of Controlling Polymer Shape and Adhesion. <i>ACS Applied Nano Materials</i> , 2019 , 2, 7362-7371	5.6	16
136	Femtosecond Laser-Induced Underwater Superoleophobic Surfaces with Reversible pH-Responsive Wettability. <i>Langmuir</i> , 2019 , 35, 3295-3301	4	16
135	A high-efficiency three-dimensional helical micromixer in fused silica. <i>Microsystem Technologies</i> , 2013 , 19, 1033-1040	1.7	15
134	Using an Underwater superoleophobic pattern to make a liquid lens array. <i>RSC Advances</i> , 2015 , 5, 40907-40911	3.7	15
133	Process for the fabrication of complex three-dimensional microcoils in fused silica. <i>Optics Letters</i> , 2013 , 38, 2911-4	3	15
132	Insight into the thermionic emission regimes under gold film thermal relaxation excited by a femtosecond pulse. <i>Applied Surface Science</i> , 2011 , 257, 9177-9182	6.7	15
131	Integration of Great Water Repellence and Imaging Performance on a Superhydrophobic PDMS Microlens Array by Femtosecond Laser Microfabrication. <i>Advanced Engineering Materials</i> , 2019 , 21, 1800994	3.5	15
130	Fabrication of superhydrophilic and underwater superoleophobic membranes for fast and effective oil/water separation with excellent durability. <i>Journal of Membrane Science</i> , 2021 , 620, 118898	9.6	15

129	Fabrication of high integrated microlens arrays on a glass substrate for 3D micro-optical systems. <i>Applied Surface Science</i> , 2018 , 457, 1202-1207	6.7	15
128	. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 2253-2256	2.2	14
127	Cost-efficient and flexible fabrication of rectangular-shaped microlens arrays with controllable aspect ratio and spherical morphology. <i>Applied Surface Science</i> , 2014 , 292, 285-290	6.7	14
126	Fabrication of high-aspect-ratio grooves in silicon using femtosecond laser irradiation and oxygen-dependent acid etching. <i>Optics Express</i> , 2013 , 21, 16657-62	3.3	14
125	Low threshold power density for the generation of frequency up-converted pulses in bismuth glass by two crossing chirped femtosecond pulses. <i>Optics Express</i> , 2011 , 19, 12039-44	3.3	14
124	Shape measurement of objects using an ultrafast optical Kerr gate of bismuth glass. <i>Journal of Applied Physics</i> , 2010 , 107, 043104	2.5	14
123	Reducing Adhesion for Dispensing Tiny Water/Oil Droplets and Gas Bubbles by Femtosecond Laser-Treated Needle Nozzles: Superhydrophobicity, Superoleophobicity, and Superaerophobicity. <i>ChemNanoMat</i> , 2019 , 5, 241-249	3.5	14
122	Microfluidic Channels Fabrication Based on Underwater Superpolymphobic Microgrooves Produced by Femtosecond Laser Direct Writing. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 2819-2825	4.3	13
121	Lens-on-lens microstructures. <i>Optics Letters</i> , 2015 , 40, 5359-62	3	13
120	High-Performance Laser Beam Homogenizer Based on Double-Sided Concave Microlens. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 2086-2089	2.2	13
119	Time-resolved single-shot imaging of femtosecond laser induced filaments using supercontinuum and optical polarigraphy. <i>Applied Physics Letters</i> , 2012 , 100, 111107	3.4	13
118	Femtosecond laser preparing patternable liquid-metal-repellent surface for flexible electronics. <i>Journal of Colloid and Interface Science</i> , 2020 , 578, 146-154	9.3	13
117	Trifunctional molecular beacon-mediated quadratic amplification for highly sensitive and rapid detection of mercury(II) ion with tunable dynamic range. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 892-898 ^{11.8}		13
116	Investigation on plasmonic responses in multilayered nanospheres including asymmetry and spatial nonlocal effects. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 495302	3	12
115	Simple fabrication of closed-packed IR microlens arrays on silicon by femtosecond laser wet etching. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 121, 157-162	2.6	12
114	Reversible switch between underwater superaerophilicity and superaerophobicity on the superhydrophobic nanowire-haired mesh for controlling underwater bubble wettability. <i>AIP Advances</i> , 2018 , 8, 045001	1.5	12
113	Tunable potential well for plasmonic trapping of metallic particles by bowtie nano-apertures. <i>Scientific Reports</i> , 2016 , 6, 32675	4.9	12
112	Zero-Background Helicase-Dependent Amplification and Its Application to Reliable Assay of Telomerase Activity in Cancer Cell by Eliminating Primer-Dimer Artifacts. <i>ChemBioChem</i> , 2016 , 17, 1171-8 ^{3.8}		12

111	Trapped Air-Induced Reversible Transition between Underwater Superaerophilicity and Superaerophobicity on the Femtosecond Laser-Ablated Superhydrophobic PTFE Surfaces. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900262	4.6	11
110	A femtosecond laser-induced superhydrophobic surface: beyond superhydrophobicity and repelling various complex liquids.. <i>RSC Advances</i> , 2019 , 9, 6650-6657	3.7	11
109	A Simple Way to Fabricate Close-Packed High Numerical Aperture Microlens Arrays. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 1336-1339	2.2	11
108	Ultrafast thermalization characteristics in Au film irradiated by temporally shaped femtosecond laser pulses. <i>Optics Communications</i> , 2011 , 284, 640-645	2	11
107	Fabrication of micro-gratings on Au thin film by femtosecond laser interference with different pulse durations. <i>Applied Surface Science</i> , 2009 , 255, 8483-8487	6.7	11
106	A facile method to fabricate close-packed concave microlens array on cylindrical glass. <i>Journal of Micromechanics and Microengineering</i> , 2012 , 22, 115026	2	11
105	High-level integration of three-dimensional microcoils array in fused silica. <i>Optics Letters</i> , 2015 , 40, 4050-4053	3	10
104	Underwater Superaerophobicity/Superaerophilicity and Unidirectional Bubble Passage Based on the Femtosecond Laser-Structured Stainless Steel Mesh. <i>Advanced Materials Interfaces</i> , 2020 , 7, 1902128	4.6	10
103	Simple and Low-Cost Oil/Water Separation Based on the Underwater Superoleophobicity of the Existing Materials in Our Life or Nature. <i>Frontiers in Chemistry</i> , 2020 , 8, 507	5	10
102	Wear particle classification using genetic programming evolved features. <i>Lubrication Science</i> , 2018 , 30, 229-246	1.3	10
101	Photoinduced microchannels and element change inside silicon by femtosecond laser pulses. <i>Optics Communications</i> , 2012 , 285, 140-142	2	10
100	Nature-Inspired Superwettability Achieved by Femtosecond Lasers. <i>Ultrafast Science</i> , 2022 , 2022, 1-51		10
99	Underwater superoleophobic and anti-oil microlens array prepared by combing femtosecond laser wet etching and direct writing techniques. <i>Optics Express</i> , 2019 , 27, 35903-35913	3.3	10
98	Filtration and removal of liquid polymers from water (polymer/water separation) by use of the underwater superoleophobic mesh produced with a femtosecond laser. <i>Journal of Colloid and Interface Science</i> , 2021 , 582, 1203-1212	9.3	10
97	A widely applicable method to fabricate underwater superoleophobic surfaces with low oil-adhesion on different metals by a femtosecond laser. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1	2.6	9
96	Fabrication of three-dimensional microchannels inside silicon using a femtosecond laser. <i>Journal of Micromechanics and Microengineering</i> , 2009 , 19, 125007	2	9
95	Elimination of the Coherent Artifact in a Pump-Probe Experiment by Directly Detecting the Background-Free Diffraction Signal. <i>Chinese Physics Letters</i> , 2011 , 28, 086602	1.8	9
94	Low-cost high integration IR polymer microlens array. <i>Optics Letters</i> , 2019 , 44, 1600-1602	3	9

93	Remote, selective, and in situ manipulation of liquid droplets on a femtosecond laser-structured superhydrophobic shape-memory polymer by near-infrared light. <i>Science China Chemistry</i> , 2021 , 64, 861-872	7.9	9
92	Optical response of cylindrical multilayers in the context of hydrodynamic convection-diffusion model. <i>Journal of Applied Physics</i> , 2016 , 120, 123102	2.5	9
91	Three-dimensional metallic microcomponents achieved in fused silica by a femtosecond-laser-based microsolidifying process. <i>Microelectronic Engineering</i> , 2014 , 113, 93-97	2.5	8
90	Femtosecond laser-induced mesoporous structures on silicon surface. <i>Optics Communications</i> , 2011 , 284, 317-321	2	8
89	High-aspect-ratio grooves fabricated in silicon by a single pass of femtosecond laser pulses. <i>Journal of Applied Physics</i> , 2012 , 111, 093102	2.5	8
88	A femtosecond Bessel laser for preparing a nontoxic slippery liquid-infused porous surface (SLIPS) for improving the hemocompatibility of NiTi alloys. <i>Biomaterials Science</i> , 2020 , 8, 6505-6514	7.4	8
87	Magnetically Controllable Isotropic/Anisotropic Slippery Surface for Flexible Droplet Manipulation. <i>Langmuir</i> , 2020 , 36, 15403-15409	4	8
86	Ultrafast thermalization dynamics in two-layer metal films excited by temporally shaped femtosecond laser. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 87, 341-346	4.9	7
85	Scalable shape-controlled fabrication of curved microstructures using a femtosecond laser wet-etching process. <i>Materials Science and Engineering C</i> , 2013 , 33, 2795-9	8.3	7
84	A facile preparation route for netlike microstructures on a stainless steel using an ethanol-mediated femtosecond laser irradiation. <i>Materials Science and Engineering C</i> , 2013 , 33, 663-7	8.3	7
83	Underwater Anisotropic 3D Superoleophobic Tracks Applied for the Directional Movement of Oil Droplets and the Microdroplets Reaction. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900067	4.6	6
82	Tuning a surface super-repellent to liquid metal by a femtosecond laser.. <i>RSC Advances</i> , 2020 , 10, 3301-3306	3.9	6
81	Efficient optical Kerr gate of tellurite glass for acquiring ultrafast fluorescence. <i>Journal of Optics (United Kingdom)</i> , 2012 , 14, 065201	1.7	6
80	Ultrafast dynamics of thermionic emission on Au film under femtosecond laser excitation. <i>Applied Physics A: Materials Science and Processing</i> , 2013 , 112, 479-483	2.6	6
79	Polarization Dependence of Femtosecond Optical Kerr Signals in Bismuth Glasses. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 1606-1608	2.2	6
78	Underwater gas self-transportation along femtosecond laser-written open superhydrophobic surface microchannels (. <i>International Journal of Extreme Manufacturing</i> , 2022 , 4, 015002	7.9	6
77	Oil-Water Separation Based on the Materials with Special Wettability. <i>Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica</i> , 2018 , 34, 456-475	3.8	6
76	Liquid Metal-Based Reconfigurable and Repairable Electronics Designed by a Femtosecond Laser. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 2685-2691	4	6

75	Fabrication of ZnSe Microlens Array for a Wide Infrared Spectral Region. <i>IEEE Photonics Technology Letters</i> , 2020 , 32, 1327-1330	2.2	6
74	Liquid-Infused Slippery Stainless Steel Surface Prepared by Alcohol-Assisted Femtosecond Laser Ablation. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001334	4.6	6
73	Localized surface plasmon resonances in core-embedded heterogeneous nano-bowtie antenna. <i>Applied Physics B: Lasers and Optics</i> , 2015 , 120, 47-51	1.9	5
72	Substantial Improvement of Oil Aerosol Filtration Performance Using In-Plane Asymmetric Wettability. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 28852-28860	9.5	5
71	Ultrafast dynamics of high-contrast nano-grating formation on gold film induced by temporally shaped femtosecond laser. <i>Chemical Physics Letters</i> , 2014 , 597, 153-157	2.5	5
70	Ultrafast dynamics of laser thermal excitation in gold film triggered by temporally shaped double pulses. <i>International Journal of Thermal Sciences</i> , 2015 , 90, 197-202	4.1	5
69	Fabrication of Micro-Grooves in Silicon Carbide Using Femtosecond Laser Irradiation and Acid Etching. <i>Chinese Physics Letters</i> , 2014 , 31, 037901	1.8	5
68	Chirp structure measurement of a supercontinuum pulse based on transient lens effect in tellurite glass. <i>Journal of Applied Physics</i> , 2013 , 113, 113106	2.5	5
67	High Time-Resolved Three-Dimensional Imaging Using Ultrafast Optical Kerr Gate of Bismuth Glass. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 471-473	2.2	5
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