

Feng Chen

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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

75
g-index

229
ext. papers

8,010
ext. citations

5.1
avg. IF

6.19
L-index

#	Paper	IF	Citations
218	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
217	Nature-Inspired Superwettability Achieved by Femtosecond Lasers. <i>Ultrafast Science</i> , 2022 , 2022, 1-51		10
216	Femtosecond laser direct weaving bioinspired superhydrophobic/hydrophilic micro-pattern for fog harvesting. <i>Optics and Laser Technology</i> , 2022 , 146, 107593	4.2	2
215	Emerging Separation Applications of Surface Superwettability.. <i>Nanomaterials</i> , 2022 , 12,	5.4	2
214	Microlens arrays enable variable-focus imaging. <i>Optics and Laser Technology</i> , 2022 , 153, 108260	4.2	0
213	Laser Fabrication of Nanoholes on Silica through Surface Window Assisted Nano-Drilling (SWAN).. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
212	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
211	Theoretical Study on Symmetry-Broken Plasmonic Optical Tweezers for Heterogeneous Noble-Metal-Based Nano-Bowtie Antennas. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
210	Guiding magnetic liquid metal for flexible circuit. <i>International Journal of Extreme Manufacturing</i> , 2021 , 3, 025102	7.9	3
209	Rapid Fabrication of Large-Area Concave Microlens Array on ZnSe. <i>Micromachines</i> , 2021 , 12,	3.3	2
208	How to adjust bubble adhesion on solid in aqueous media: Femtosecond laser-ablated patterned shape-memory polymer surfaces to achieve bubble multi-manipulation. <i>Chemical Engineering Journal</i> , 2021 , 414, 128694	14.7	4
207	Bioinspired Artificial Compound Eyes: Characteristic, Fabrication, and Application. <i>Advanced Materials Technologies</i> , 2021 , 6, 2100091	6.8	1
206	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
205	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
204	Underwater superoleophobicity: Concept, achievement, and applications. <i>Nano Select</i> , 2021 , 2, 1011-1022	10.2	2
203	Liquid-Infused Slippery Stainless Steel Surface Prepared by Alcohol-Assisted Femtosecond Laser Ablation. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001334	4.6	6
202	Superwettability-based separation: From oil/water separation to polymer/water separation and bubble/water separation. <i>Nano Select</i> , 2021 , 2, 1580-1588	3.1	3

201	Fabrication of Three-Dimensional Microvalves of Internal Nested Structures Inside Fused Silica. <i>Micromachines</i> , 2021 , 12,	3.3	1
200	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	7.7	5
199	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
198	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
197	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
196	3D integrated coreless microtransformer processed by femtosecond laser micro/nano fabrication. <i>Journal of Micromechanics and Microengineering</i> , 2020 , 30, 105002	2	1
195	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
194	Tuning a surface super-repellent to liquid metal by a femtosecond laser.. <i>RSC Advances</i> , 2020 , 10, 3301-3306	3.96	6
193	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
192	Trapping nanospheres within graphene-based heterogeneous plasmonic nano-trench. <i>Journal of Optics (United Kingdom)</i> , 2020 , 22, 105002	1.7	
191	Femtosecond laser hybrid fabrication of a 3D microfluidic chip for PCR application. <i>Optics Express</i> , 2020 , 28, 25716-25722	3.3	1
190	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
189	IR Artificial Compound Eye. <i>Advanced Optical Materials</i> , 2020 , 8, 1901767	8.1	19
188	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
187	Active Tuning of Hybrid Plasmonics in Graphene-Covered Metallic Nanotrench. <i>Technical Physics Letters</i> , 2020 , 46, 526-531	0.7	
186	Liquid Metal-Based Reconfigurable and Repairable Electronics Designed by a Femtosecond Laser. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 2685-2691	4	6
185	Femtosecond laser-patterned slippery surfaces on PET for liquid patterning and blood resistance. <i>Optics and Laser Technology</i> , 2020 , 132, 106469	4.2	1
184	Mini-Review on Bioinspired Superwetting Microlens Array and Compound Eye. <i>Frontiers in Chemistry</i> , 2020 , 8, 575786	5	2

183	Fabrication of ZnSe Microlens Array for a Wide Infrared Spectral Region. <i>IEEE Photonics Technology Letters</i> , 2020 , 32, 1327-1330	2.2	6
182	Relationship and Interconversion Between Superhydrophilicity, Underwater Superoleophilicity, Underwater Superaerophilicity, Superhydrophobicity, Underwater Superoleophobicity, and Underwater Superaerophobicity: A Mini-Review. <i>Frontiers in Chemistry</i> , 2020 , 8, 828	5	3
181	Endowing Metal Surfaces With Underwater Superoleophobicity by Femtosecond Laser Processing for Oil-Water Separation Application. <i>Frontiers in Physics</i> , 2020 , 8,	3.9	4
180	Fabrication of Chalcogenide Glass Based Hexagonal Gapless Microlens Arrays via Combining Femtosecond Laser Assist Chemical Etching and Precision Glass Molding Processes. <i>Materials</i> , 2020 , 13,	3.5	3
179	Magnetically Controllable Isotropic/Anisotropic Slippery Surface for Flexible Droplet Manipulation. <i>Langmuir</i> , 2020 , 36, 15403-15409	4	8
178	Superhydrophobicity-memory surfaces prepared by a femtosecond laser. <i>Chemical Engineering Journal</i> , 2020 , 383, 123143	14.7	55
177	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
176	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
175	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
174	Femtosecond Laser-Structured Underwater "Superpolymphobic" Surfaces. <i>Langmuir</i> , 2019 , 35, 9318-9322	4.3	16
173	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
172	Compressed Ultrafast Spectral-Temporal Photography. <i>Physical Review Letters</i> , 2019 , 122, 193904	7.4	31
171	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
170	A femtosecond laser-induced superhydrophobic surface: beyond superhydrophobicity and repelling various complex liquids.. <i>RSC Advances</i> , 2019 , 9, 6650-6657	3.7	11
169	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
168	Femtosecond-Laser-Produced Underwater "Superpolymphobic" 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
167	3D microtransformers with air core inside fused silica 2019 ,		1
166	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

165	Low-cost high integration IR polymer microlens array. <i>Optics Letters</i> , 2019 , 44, 1600-1602	3	9
164	Artificial compound eye-tipped optical fiber for wide field illumination. <i>Optics Letters</i> , 2019 , 44, 5961-5964	3	5
163	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
162	Femtosecond Laser-Induced Underwater Superoleophobic Surfaces with Reversible pH-Responsive Wettability. <i>Langmuir</i> , 2019 , 35, 3295-3301	4	16
161	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
160	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
159	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
158	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
157	Wear particle classification using genetic programming evolved features. <i>Lubrication Science</i> , 2018 , 30, 229-246	1.3	10
156	Green, Biodegradable, Underwater Superoleophobic Wood Sheet for Efficient Oil/Water Separation. <i>ACS Omega</i> , 2018 , 3, 1395-1402	3.9	40
155	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
154	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
153	Bioinspired Fabrication of Bi/Tridirectionally Anisotropic Sliding Superhydrophobic PDMS Surfaces by Femtosecond Laser. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1701245	4.6	34
152	A Review of Femtosecond-Laser-Induced Underwater Superoleophobic Surfaces. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1701370	4.6	68
151	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
150	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
149	3D Multi-Microchannel Helical Mixer Fabricated by Femtosecond Laser inside Fused Silica. <i>Micromachines</i> , 2018 , 9,	3.3	18
148	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

147	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
146	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
145	Fano Resonance-Assisted Plasmonic Trapping of Nanoparticles. <i>Plasmonics</i> , 2017 , 12, 627-630	2.4	3
144	Femtosecond laser ablated durable superhydrophobic PTFE sheet for oil/water separation 2017 ,		2
143	Superoleophobic surfaces. <i>Chemical Society Reviews</i> , 2017 , 46, 4168-4217	58.5	435
142	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
141	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	0.5	108
140	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
139	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
138	Programming Enzyme-Initiated Autonomous DNAzyme Nanodevices in Living Cells. <i>ACS Nano</i> , 2017 , 11, 11908-11914	16.7	70
137	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
136	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
135	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
134	Miniaturized 3-D Solenoid-Type Micro-Heaters in Coordination With 3-D Microfluidics. <i>Journal of Microelectromechanical Systems</i> , 2017 , 26, 588-592	2.5	4
133	Three dimensional multilayer solenoid microcoils inside silica glass. <i>Optics and Laser Technology</i> , 2016 , 76, 29-32	4.2	1
132	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
131	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
130	A miniaturized Rogowski current transducer with wide bandwidth and fast response. <i>Journal of Micromechanics and Microengineering</i> , 2016 , 26, 115015	2	4

129	Tunable potential well for plasmonic trapping of metallic particles by bowtie nano-apertures. <i>Scientific Reports</i> , 2016 , 6, 32675	4.9	12
128	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, 1171-6	3.8	12
127	Ultrafast thermal dynamics of nano-ripples formation via laser double pulses excitation. <i>Optics Communications</i> , 2016 , 375, 54-57	2	3
126	Dragonfly-Eye-Inspired Artificial Compound Eyes with Sophisticated Imaging. <i>Advanced Functional Materials</i> , 2016 , 26, 1995-2001	15.6	69
125	Fidelity quantification of mercury(II) ion via circumventing biothiols-induced sequestration in enzymatic amplification system. <i>RSC Advances</i> , 2016 , 6, 80296-80301	3.7	
124	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
123	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
122	Ultrafast near-field enhancement dynamics in a resonance-mismatched nanorod excited by temporally shaped femtosecond laser double pulses. <i>Optics and Laser Technology</i> , 2016 , 77, 6-10	4.2	1
121	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
120	Oil-Water Separation: A Gift from the Desert. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500650	4.6	91
119	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
118	Research on hot embossing process of high fill factor microlens array. <i>Microsystem Technologies</i> , 2015 , 21, 2109-2114	1.7	3
117	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
116	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
115	Fabrication of 3D solenoid microcoils in silica glass by femtosecond laser wet etch and microsolidics 2015 ,		1
114	Femtosecond laser induced hierarchical ZnO superhydrophobic surfaces with switchable wettability. <i>Chemical Communications</i> , 2015 , 51, 9813-6	5.8	64
113	Photoinduced switchable underwater superoleophobicity/superoleophilicity on laser modified titanium surfaces. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10703-10709	13	101
112	Bioinspired transparent underwater superoleophobic and anti-oil surfaces. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9379-9384	13	86

111	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
110	Femtosecond laser controlled wettability of solid surfaces. <i>Soft Matter</i> , 2015 , 11, 8897-906	3.6	94
109	. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 2253-2256	2.2	14
108	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
107	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
106	High-level integration of three-dimensional microcoils array in fused silica. <i>Optics Letters</i> , 2015 , 40, 4050-3	3	10
105	Fabrication of large-area concave microlens array on silicon by femtosecond laser micromachining. <i>Optics Letters</i> , 2015 , 40, 1928-31	3	57
104	Isothermal Amplification of Nucleic Acids. <i>Chemical Reviews</i> , 2015 , 115, 12491-545	68.1	865
103	Reversible Underwater Lossless Oil Droplet Transportation. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1400-8	4.8	55
102	Femtosecond Laser Induced Underwater Superoleophobic Surfaces. <i>MATEC Web of Conferences</i> , 2015 , 32, 02005	0.3	
101	Using an Underwater superoleophobic pattern to make a liquid lens array. <i>RSC Advances</i> , 2015 , 5, 40907-40911	4.9	15
100	Fabrication of three-dimensional micro-Rogowski coil based on femtosecond laser micromachining. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 120, 669-674	2.6	3
99	Lens-on-lens microstructures. <i>Optics Letters</i> , 2015 , 40, 5359-62	3	13
98	Tuning near-field enhancements on an off-resonance nanorod dimer via temporally shaped femtosecond laser. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 435102	3	1
97	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
96	Ultrafast thermalisation dynamics in an Au film excited by a polarization-shaped femtosecond laser double-pulse. <i>Optics and Laser Technology</i> , 2015 , 70, 71-75	4.2	4
95	Superhydrophobic PDMS surfaces with three-dimensional (3D) pattern-dependent controllable adhesion. <i>Applied Surface Science</i> , 2014 , 288, 579-583	6.7	61
94	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

93	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
92	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
91	Ultrafast optical Kerr gate of bismuth-plumbum oxide glass for time-gated ballistic imaging. <i>Journal of Modern Optics</i> , 2014 , 61, 1452-1456	1.1	2
90	A bioinspired planar superhydrophobic microboat. <i>Journal of Micromechanics and Microengineering</i> , 2014 , 24, 035006	2	22
89	Ultrafast thermalization dynamics of gold-coated fused silica irradiated by a femtosecond laser. <i>Applied Thermal Engineering</i> , 2014 , 71, 56-61	5.8	3
88	Bioinspired superhydrophobic surfaces with directional Adhesion. <i>RSC Advances</i> , 2014 , 4, 8138	3.7	30
87	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
86	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
85	Efficient optical Kerr gating property of fluorotellurite glass. <i>Optik</i> , 2014 , 125, 1444-1447	2.5	3
84	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
83	Ultrafast single-shot imaging of femtosecond pulse propagation in transparent liquids using a supercontinuum and optical polarigraphy. <i>Journal of Optics (United Kingdom)</i> , 2014 , 16, 015203	1.7	4
82	The influence of turbid medium properties on object visibility in optical Kerr gated imaging. <i>Laser Physics</i> , 2014 , 24, 015401	1.2	4
81	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
80	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
79	Large-scale high quality glass microlens arrays fabricated by laser enhanced wet etching. <i>Optics Express</i> , 2014 , 22, 29283-91	3.3	25
78	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
77	Controllable underwater anisotropic oil-wetting. <i>Applied Physics Letters</i> , 2014 , 105, 071608	3.4	18
76	High-Performance Laser Beam Homogenizer Based on Double-Sided Concave Microlens. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 2086-2089	2.2	13

75	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
74	Superior Method for Measuring Chirp Structure of Femtosecond Supercontinuum Pulse. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 261-263	2.2	1
73	Bioinspired wetting surface via laser microfabrication. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 6777-92	9.5	154
72	A high-efficiency three-dimensional helical micromixer in fused silica. <i>Microsystem Technologies</i> , 2013 , 19, 1033-1040	1.7	15
71	Pump power dependence of the spatial gating properties of femtosecond optical Kerr effect measurements. <i>Applied Physics B: Lasers and Optics</i> , 2013 , 112, 279-283	1.9	1
70	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
69	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
68	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
67	Efficient optical Kerr gate of Bi ₂ O ₃ B ₂ O ₃ BiO ₂ glass for acquiring high contrast ballistic imaging in turbid medium. <i>Journal of Optics (United Kingdom)</i> , 2013 , 15, 055202	1.7	1
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