Feng Chen

List of Publications by Year in descending order

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229 papers	9,342 citations	44066 48 h-index	46795 89 g-index
229 all docs	229 docs citations	229 times ranked	7136 citing authors

#	Article	IF	Citations
1	Isothermal Amplification of Nucleic Acids. Chemical Reviews, 2015, 115, 12491-12545.	47.7	1,292
2	Superoleophobic surfaces. Chemical Society Reviews, 2017, 46, 4168-4217.	38.1	613
3	Bioinspired Wetting Surface via Laser Microfabrication. ACS Applied Materials & Interfaces, 2013, 5, 6777-6792.	8.0	194
4	A simple way to achieve superhydrophobicity, controllable water adhesion, anisotropic sliding, and anisotropic wetting based on femtosecond-laser-induced line-patterned surfaces. Journal of Materials Chemistry A, 2014, 2, 5499-5507.	10.3	172
5	Bioinspired Design of Underwater Superaerophobic and Superaerophilic Surfaces by Femtosecond Laser Ablation for Anti- or Capturing Bubbles. ACS Applied Materials & Interfaces, 2017, 9, 39863-39871.	8.0	162
6	Bioinspired underwater superoleophobic surface with ultralow oil-adhesion achieved by femtosecond laser microfabrication. Journal of Materials Chemistry A, 2014, 2, 8790-8795.	10.3	160
7	Femtosecond laser ablated durable superhydrophobic PTFE films with micro-through-holes for oil/water separation: Separating oil from water and corrosive solutions. Applied Surface Science, 2016, 389, 1148-1155.	6.1	160
8	Remarkably simple achievement of superhydrophobicity, superhydrophilicity, underwater superoleophobicity, underwater superoleophilicity, underwater superaerophobicity, and underwater superaerophilicity on femtosecond laser ablated PDMS surfaces. Journal of Materials Chemistry A, 2017, 5, 25249-25257.	10.3	147
9	Femtosecond Laser Weaving Superhydrophobic Patterned PDMS Surfaces with Tunable Adhesion. Journal of Physical Chemistry C, 2013, 117, 24907-24912.	3.1	143
10	A Simple Way To Achieve Pattern-Dependent Tunable Adhesion in Superhydrophobic Surfaces by a Femtosecond Laser. ACS Applied Materials & Interfaces, 2012, 4, 4905-4912.	8.0	141
11	Maskless fabrication of concave microlens arrays on silica glasses by a femtosecond-laser-enhanced local wet etching method. Optics Express, 2010, 18, 20334.	3.4	138
12	Fabrication of a transparent superamphiphobic coating with improved stability. Soft Matter, 2011, 7, 6435.	2.7	137
13	Two-dimensional MXene-reinforced robust surface superhydrophobicity with self-cleaning and photothermal-actuating binary effects. Materials Horizons, 2019, 6, 1057-1065.	12.2	135
14	Femtosecond laser controlled wettability of solid surfaces. Soft Matter, 2015, 11, 8897-8906.	2.7	125
15	Rapid Fabrication of Large-Area Concave Microlens Arrays on PDMS by a Femtosecond Laser. ACS Applied Materials & Interfaces, 2013, 5, 9382-9385.	8.0	122
16	Photoinduced switchable underwater superoleophobicityâ€“superoleophilicity on laser modified titanium surfaces. Journal of Materials Chemistry A, 2015, 3, 10703-10709.	10.3	122
17	Oilâ€Water Separation: A Gift from the Desert. Advanced Materials Interfaces, 2016, 3, 1500650.	3.7	121
18	Nepenthes Inspired Design of Selfâ€Repairing Omniphobic Slippery Liquid Infused Porous Surface (SLIPS) by Femtosecond Laser Direct Writing. Advanced Materials Interfaces, 2017, 4, 1700552.	3.7	120

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19	Oil/water separation based on natural materials with super-wettability: recent advances. Physical Chemistry Chemical Physics, 2018, 20, 25140-25163.	2.8	119
20	Controllable Adhesive Superhydrophobic Surfaces Based on PDMS Microwell Arrays. Langmuir, 2013, 29, 3274-3279.	3.5	117
21	A simple route to fabricate artificial compound eye structures. Optics Express, 2012, 20, 5775.	3.4	113
22	Facile one-step preparation of robust hydrophobic cotton fabrics by covalent bonding polyhedral oligomeric silsesquioxane for ultrafast oil/water separation. Chemical Engineering Journal, 2020, 379, 122391.	12.7	107
23	Fabricating MnO₂ Nanozymes as Intracellular Catalytic DNA Circuit Generators for Versatile Imaging of Baseâ€Excision Repair in Living Cells. Advanced Functional Materials, 2017, 27, 1702748.	14.9	106
24	Dragonflyâ€Eyeâ€Inspired Artificial Compound Eyes with Sophisticated Imaging. Advanced Functional Materials, 2016, 26, 1995-2001.	14.9	102
25	Anisotropic Wetting on Microstrips Surface Fabricated by Femtosecond Laser. Langmuir, 2011, 27, 359-365.	3.5	101
26	Bioinspired transparent underwater superoleophobic and anti-oil surfaces. Journal of Materials Chemistry A, 2015, 3, 9379-9384.	10.3	99
27	A Review of Femtosecondâ€Laserâ€Induced Underwater Superoleophobic Surfaces. Advanced Materials Interfaces, 2018, 5, 1701370.	3.7	95
28	Superhydrophobicity-memory surfaces prepared by a femtosecond laser. Chemical Engineering Journal, 2020, 383, 123143.	12.7	92
29	Programming Enzyme-Initiated Autonomous DNAzyme Nanodevices in Living Cells. ACS Nano, 2017, 11, 11908-11914.	14.6	89
30	A review of femtosecond laser-structured superhydrophobic or underwater superoleophobic porous surfaces/materials for efficient oil/water separation. RSC Advances, 2019, 9, 12470-12495.	3.6	89
31	Highly sensitive fluorescence assay of DNA methyltransferase activity via methylation-sensitive cleavage coupled with nicking enzyme-assisted signalamplification. Biosensors and Bioelectronics, 2013, 42, 56-61.	10.1	87
32	Fabrication of large-area concave microlens array on silicon by femtosecond laser micromachining. Optics Letters, 2015, 40, 1928.	3.3	87
33	Femtosecond laser induced underwater superaerophilic and superaerophobic PDMS sheets with through microholes for selective passage of air bubbles and further collection of underwater gas. Nanoscale, 2018, 10, 3688-3696.	5.6	87
34	Femtosecond Laser Direct Writing of Porous Network Microstructures for Fabricating Superâ€Slippery Surfaces with Excellent Liquid Repellence and Antiâ€Cell Proliferation. Advanced Materials Interfaces, 2018, 5, 1701479.	3.7	86
35	Direct fabrication of compound-eye microlens array on curved surfaces by a facile femtosecond laser enhanced wet etching process. Applied Physics Letters, 2016, 109, .	3.3	85
36	Femtosecond laser induced hierarchical ZnO superhydrophobic surfaces with switchable wettability. Chemical Communications, 2015, 51, 9813-9816.	4.1	78

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37	Influence of liquid environments on femtosecond laser ablation of silicon. Thin Solid Films, 2010, 518, 5188-5194.	1.8	76
38	Superhydrophobic PDMS surfaces with three-dimensional (3D) pattern-dependent controllable adhesion. Applied Surface Science, 2014, 288, 579-583.	6.1	76
39	Anisotropic, adhesion-switchable, and thermal-responsive superhydrophobicity on the femtosecond laser-structured shape-memory polymer for droplet manipulation. Chemical Engineering Journal, 2020, 400, 125930.	12.7	75
40	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.	8.0	64
41	Fabrication of through holes in silicon carbide using femtosecond laser irradiation and acid etching. Applied Surface Science, 2014, 289, 529-532.	6.1	61
42	Green, Biodegradable, Underwater Superoleophobic Wood Sheet for Efficient Oil/Water Separation. ACS Omega, 2018, 3, 1395-1402.	3.5	61
43	Stable superhydrophobic surface with hierarchical mesh-porous structure fabricated by a femtosecond laser. Applied Physics A: Materials Science and Processing, 2013, 111, 243-249.	2.3	60
44	Reversible Underwater Lossless Oil Droplet Transportation. Advanced Materials Interfaces, 2015, 2, 1400388.	3.7	60
45	Versatile route to gapless microlens arrays using laser-tunable wet-etched curved surfaces. Optics Express, 2012, 20, 12939.	3.4	57
46	Compressed Ultrafast Spectral-Temporal Photography. Physical Review Letters, 2019, 122, 193904.	7.8	54
47	Photoetching of spherical microlenses on glasses using a femtosecond laser. Optics Communications, 2009, 282, 4119-4123.	2.1	53
48	Fabrication of superhydrophilic and underwater superoleophobic membranes for fast and effective oil/water separation with excellent durability. Journal of Membrane Science, 2021, 620, 118898.	8.2	50
49	Nature-Inspired Superwettability Achieved by Femtosecond Lasers. Ultrafast Science, 2022, 2022, .	11.2	50
50	Mutual wetting transition between isotropic and anisotropic on directional structures fabricated by femotosecond laser. Soft Matter, 2011, 7, 8337.	2.7	49
51	Fabrication of three-dimensional helical microchannels with arbitrary length and uniform diameter inside fused silica. Optics Letters, 2012, 37, 3825.	3.3	49
52	Fabrication of bioinspired omnidirectional and gapless microlens array for wide field-of-view detections. Applied Physics Letters, 2012, 100, .	3.3	48
53	Fabrication of concave spherical microlenses on silicon by femtosecond laser irradiation and mixed acid etching. Optics Express, 2014, 22, 15245.	3.4	48
54	Bioinspired Fabrication of Bi/Tridirectionally Anisotropic Sliding Superhydrophobic PDMS Surfaces by Femtosecond Laser. Advanced Materials Interfaces, 2018, 5, 1701245.	3.7	48

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55	How To Obtain Six Different Superwettabilities on a Same Microstructured Pattern: Relationship between Various Superwettabilities in Different Solid/Liquid/Gas Systems. Langmuir, 2019, 35, 921-927.	3.5	48
56	Designing â€œSupermetalphobicâ€•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.	3.7	48
57	Methylation-blocked enzymatic recycling amplification for highly sensitive fluorescence sensing of DNA methyltransferase activity. Analyst, The, 2013, 138, 284-289.	3.5	47
58	Rapid fabrication of a large-area close-packed quasi-periodic microlens array on BK7 glass. Optics Letters, 2014, 39, 606.	3.3	45
59	Bioinspired superhydrophobic surfaces with directional Adhesion. RSC Advances, 2014, 4, 8138.	3.6	44
60	Wetting characteristics on hierarchical structures patterned by a femtosecond laser. Journal of Micromechanics and Microengineering, 2010, 20, 075029.	2.6	42
61	One-step highly sensitive florescence detection of T4 polynucleotide kinase activity and biological small molecules by ligation-nicking coupled reaction-mediated signal amplification. Biosensors and Bioelectronics, 2013, 47, 218-224.	10.1	41
62	Femtosecond laser preparing patternable liquid-metal-repellent surface for flexible electronics. Journal of Colloid and Interface Science, 2020, 578, 146-154.	9.4	38
63	Ultrasensitive and selective detection of nicotinamide adenine dinucleotide by target-triggered ligationâ€“rolling circle amplification. Chemical Communications, 2012, 48, 3354.	4.1	36
64	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. NPG Asia Materials, 2014, 6, e131-e131.	7.9	36
65	Underwater gas self-transportation along femtosecond laser-written open superhydrophobic surface microchannels (<100 Âµm) for bubble/gas manipulation. International Journal of Extreme Manufacturing, 2022, 4, 015002.	12.7	34
66	Ultrafast nonlinear optical properties of Bi2O3â€“B2O3â€“SiO2 oxide glass. Optics Communications, 2007, 275, 230-233.	2.1	33
67	Alcohol-assisted photoetching of silicon carbide with a femtosecond laser. Optics Communications, 2009, 282, 78-80.	2.1	33
68	Direct fabrication of seamless roller molds with gapless and shaped-controlled concave microlens arrays. Optics Letters, 2012, 37, 4404.	3.3	32
69	An alternative approach for femtosecond laser induced black silicon in ambient air. Applied Surface Science, 2012, 261, 722-726.	6.1	32
70	Design and analysis of the cross-linked dual helical micromixer for rapid mixing at low Reynolds numbers. Microfluidics and Nanofluidics, 2015, 19, 169-180.	2.2	31
71	Underwater Superaerophobic and Superaerophilic Nanoneedlesâ€Structured Meshes for Water/Bubbles Separation: Removing or Collecting Gas Bubbles in Water. Global Challenges, 2018, 2, 1700133.	3.6	31
72	3D Multi-Microchannel Helical Mixer Fabricated by Femtosecond Laser inside Fused Silica. Micromachines, 2018, 9, 29.	2.9	30

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73	IR Artificial Compound Eye. Advanced Optical Materials, 2020, 8, 1901767.	7.3	30
74	Inhibitory Impact of 3â€²-Terminal 2â€²-O-Methylated Small Silencing RNA on Target-Primed Polymerization and Unbiased Amplified Quantification of the RNA in Arabidopsis thaliana. Analytical Chemistry, 2015, 87, 8758-8764.	6.5	28
75	Integration of Great Water Repellence and Imaging Performance on a Superhydrophobic PDMS Microlens Array by Femtosecond Laser Microfabrication. Advanced Engineering Materials, 2019, 21, 1800994.	3.5	28
76	Large-scale high quality glass microlens arrays fabricated by laser enhanced wet etching. Optics Express, 2014, 22, 29283.	3.4	27
77	Fabrication of high integrated microlens arrays on a glass substrate for 3D micro-optical systems. Applied Surface Science, 2018, 457, 1202-1207.	6.1	27
78	Ultrafast temperature relaxation evolution in Au film under femtosecond laser pulses irradiation. Optics Communications, 2010, 283, 1869-1872.	2.1	26
79	A bioinspired planar superhydrophobic microboat. Journal of Micromechanics and Microengineering, 2014, 24, 035006.	2.6	26
80	Guiding magnetic liquid metal for flexible circuit. International Journal of Extreme Manufacturing, 2021, 3, 025102.	12.7	26
81	Simple fabrication of closed-packed IR microlens arrays on silicon by femtosecond laser wet etching. Applied Physics A: Materials Science and Processing, 2015, 121, 157-162.	2.3	25
82	Durability of the tunable adhesive superhydrophobic PTFE surfaces for harsh environment applications. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	25
83	Remote, selective, and in situ manipulation of liquid droplets on a femtosecond laser-structured superhydrophobic shape-memory polymer by near-infrared light. Science China Chemistry, 2021, 64, 861-872.	8.2	24
84	Insight into the thermionic emission regimes under gold film thermal relaxation excited by a femtosecond pulse. Applied Surface Science, 2011, 257, 9177-9182.	6.1	23
85	Underwater Transparent Miniature â€œMechanical Handâ€•Based on Femtosecond Laser-Induced Controllable Oil-Adhesive Patterned Glass for Oil Droplet Manipulation. Langmuir, 2017, 33, 3659-3665.	3.5	23
86	Femtosecond-Laser-Produced Underwater â€œSuperpolymphobicâ€•Nanorippled Surfaces: Repelling Liquid Polymers in Water for Applications of Controlling Polymer Shape and Adhesion. ACS Applied Nano Materials, 2019, 2, 7362-7371.	5.0	22
87	Femtosecond Laser-Induced Underwater Superoleophobic Surfaces with Reversible pH-Responsive Wettability. Langmuir, 2019, 35, 3295-3301.	3.5	22
88	Magnetically Controllable Isotropic/Anisotropic Slippery Surface for Flexible Droplet Manipulation. Langmuir, 2020, 36, 15403-15409.	3.5	22
89	Underwater Superaerophobicity/Superaerophilicity and Unidirectional Bubble Passage Based on the Femtosecond Laserâ€Structured Stainless Steel Mesh. Advanced Materials Interfaces, 2020, 7, 1902128.	3.7	22
90	Controllable underwater anisotropic oil-wetting. Applied Physics Letters, 2014, 105, .	3.3	21

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91	High-Performance Laser Beam Homogenizer Based on Double-Sided Concave Microlens. IEEE Photonics Technology Letters, 2014, 26, 2086-2089.	2.5	21
92	Femtosecond laser controlling underwater oil-adhesion of glass surface. Applied Physics A: Materials Science and Processing, 2015, 119, 837-844.	2.3	21
93	Microfluidic Channels Fabrication Based on Underwater Superpolymphobic Microgrooves Produced by Femtosecond Laser Direct Writing. ACS Applied Polymer Materials, 2019, 1, 2819-2825.	4.4	21
94	Femtosecond Laser-Structured Underwater â€œSuperpolymphobicâ€•Surfaces. Langmuir, 2019, 35, 9318-9322.	3.5	21
95	Fabrication of three-dimensional microfluidic channels in glass by femtosecond pulses. Optics Communications, 2009, 282, 657-660.	2.1	20
96	Lens-on-lens microstructures. Optics Letters, 2015, 40, 5359.	3.3	20
97	A femtosecond Bessel laser for preparing a nontoxic slippery liquid-infused porous surface (SLIPS) for improving the hemocompatibility of NiTi alloys. Biomaterials Science, 2020, 8, 6505-6514.	5.4	20
98	Facile fabrication of true three-dimensional microcoils inside fused silica by a femtosecond laser. Journal of Micromechanics and Microengineering, 2012, 22, 105017.	2.6	19
99	Fabrication of high-aspect-ratio grooves in silicon using femtosecond laser irradiation and oxygen-dependent acid etching. Optics Express, 2013, 21, 16657.	3.4	19
100	A high-efficiency three-dimensional helical micromixer in fused silica. Microsystem Technologies, 2013, 19, 1033-1040.	2.0	18
101	Process for the fabrication of complex three-dimensional microcoils in fused silica. Optics Letters, 2013, 38, 2911.	3.3	18
102	Using an â€œunderwater superoleophobic patternâ€•to make a liquid lens array. RSC Advances, 2015, 5, 40907-40911.	3.6	18
103	Direct Fabrication of Microlens Arrays on PMMA With Laser-Induced Structural Modification. IEEE Photonics Technology Letters, 2015, 27, 2253-2256.	2.5	18
104	Morphological Feature Extraction Based on Multiview Images for Wear Debris Analysis in On-line Fluid Monitoring. Tribology Transactions, 2017, 60, 408-418.	2.0	18
105	A femtosecond laser-induced superhygrophobic surface: beyond superhydrophobicity and repelling various complex liquids. RSC Advances, 2019, 9, 6650-6657.	3.6	18
106	Reducing Adhesion for Dispensing Tiny Water/Oil Droplets and Gas Bubbles by Femtosecond Laserâ€Treated Needle Nozzles: Superhydrophobicity, Superoleophobicity, and Superaerophobicity. ChemNanoMat, 2019, 5, 241-249.	2.8	18
107	Liquidâ€Infused Slippery Stainless Steel Surface Prepared by Alcoholâ€Assisted Femtosecond Laser Ablation. Advanced Materials Interfaces, 2021, 8, 2001334.	3.7	18
108	Low-cost high integration IR polymer microlens array. Optics Letters, 2019, 44, 1600.	3.3	18

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109	Femtosecond laser direct weaving bioinspired superhydrophobic/hydrophilic micro-pattern for fog harvesting. Optics and Laser Technology, 2022, 146, 107593.	4.6	18
110	Simple and Low-Cost Oil/Water Separation Based on the Underwater Superoleophobicity of the Existing Materials in Our Life or Nature. Frontiers in Chemistry, 2020, 8, 507.	3.6	17
111	Trapped Airâ€Induced Reversible Transition between Underwater Superaerophilicity and Superaerophobicity on the Femtosecond Laserâ€Ablated Superhydrophobic PTFE Surfaces. Advanced Materials Interfaces, 2019, 6, 1900262.	3.7	16
112	Water/gas separation based on the selective bubble-passage effect of underwater superaerophobic and superaerophilic meshes processed by a femtosecond laser. Nanoscale, 2021, 13, 10414-10424.	5.6	16
113	Shape measurement of objects using an ultrafast optical Kerr gate of bismuth glass. Journal of Applied Physics, 2010, 107, 043104.	2.5	15
114	A facile method to fabricate close-packed concave microlens array on cylindrical glass. Journal of Micromechanics and Microengineering, 2012, 22, 115026.	2.6	15
115	Cost-efficient and flexible fabrication of rectangular-shaped microlens arrays with controllable aspect ratio and spherical morphology. Applied Surface Science, 2014, 292, 285-290.	6.1	15
116	Reversible switch between underwater superaerophilicity and superaerophobicity on the superhydrophobic nanowire-haired mesh for controlling underwater bubble wettability. AIP Advances, 2018, 8, .	1.3	15
117	Underwater Anisotropic 3D Superoleophobic Tracks Applied for the Directional Movement of Oil Droplets and the Microdroplets Reaction. Advanced Materials Interfaces, 2019, 6, 1900067.	3.7	15
118	Liquid Metal-Based Reconfigurable and Repairable Electronics Designed by a Femtosecond Laser. ACS Applied Electronic Materials, 2020, 2, 2685-2691.	4.3	15
119	Filtration and removal of liquid polymers from water (polymer/water separation) by use of the underwater superpolymphobic mesh produced with a femtosecond laser. Journal of Colloid and Interface Science, 2021, 582, 1203-1212.	9.4	15
120	How to adjust bubbleâ€™s adhesion on solid in aqueous media: Femtosecond laser-ablated patterned shape-memory polymer surfaces to achieve bubble multi-manipulation. Chemical Engineering Journal, 2021, 414, 128694.	12.7	15
121	Low threshold power density for the generation of frequency up-converted pulses in bismuth glass by two crossing chirped femtosecond pulses. Optics Express, 2011, 19, 12039.	3.4	14
122	Time-resolved single-shot imaging of femtosecond laser induced filaments using supercontinuum and optical polarigraphy. Applied Physics Letters, 2012, 100, .	3.3	14
123	Photoinduced microchannels and element change inside silicon by femtosecond laser pulses. Optics Communications, 2012, 285, 140-142.	2.1	14
124	A Simple Way to Fabricate Close-Packed High Numerical Aperture Microlens Arrays. IEEE Photonics Technology Letters, 2013, 25, 1336-1339.	2.5	14
125	Three-dimensional metallic microcomponents achieved in fused silica by a femtosecond-laser-based microsolidifying process. Microelectronic Engineering, 2014, 113, 93-97.	2.4	14
126	Trifunctional molecular beacon-mediated quadratic amplification for highly sensitive and rapid detection of mercury(II) ion with tunable dynamic range. Biosensors and Bioelectronics, 2016, 86, 892-898.	10.1	14

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127	Tunable potential well for plasmonic trapping of metallic particles by bowtie nano-apertures. Scientific Reports, 2016, 6, 32675.	3.3	14
128	Zeroâ€Background Helicaseâ€Dependent Amplification and Its Application to Reliable Assay of Telomerase Activity in Cancer Cell by Eliminating Primerâ€“Dimer Artifacts. ChemBioChem, 2016, 17, 1171-1176.	2.6	14
129	Fabrication of Chalcogenide Glass Based Hexagonal Gapless Microlens Arrays via Combining Femtosecond Laser Assist Chemical Etching and Precision Glass Molding Processes. Materials, 2020, 13, 3490.	2.9	14
130	Substantial Improvement of Oil Aerosol Filtration Performance Using In-Plane Asymmetric Wettability. ACS Applied Materials & Interfaces, 2020, 12, 28852-28860.	8.0	14
131	Bioinspired Artificial Compound Eyes: Characteristic, Fabrication, and Application. Advanced Materials Technologies, 2021, 6, 2100091.	5.8	14
132	Underwater superoleophobic and anti-oil microlens array prepared by combing femtosecond laser wet etching and direct writing techniques. Optics Express, 2019, 27, 35903.	3.4	14
133	Sunlight Recovering the Superhydrophobicity of a Femtosecond Laser-Structured Shape-Memory Polymer. Langmuir, 2022, 38, 4645-4656.	3.5	14
134	Fabrication of micro-gratings on Auâ€“Cr thin film by femtosecond laser interference with different pulse durations. Applied Surface Science, 2009, 255, 8483-8487.	6.1	13
135	Ultrafast thermalization characteristics in Au film irradiated by temporally shaped femtosecond laser pulses. Optics Communications, 2011, 284, 640-645.	2.1	13
136	High-aspect-ratio grooves fabricated in silicon by a single pass of femtosecond laser pulses. Journal of Applied Physics, 2012, 111, 093102.	2.5	13
137	High-level integration of three-dimensional microcoils array in fused silica. Optics Letters, 2015, 40, 4050.	3.3	13
138	Investigation on plasmonic responses in multilayered nanospheres including asymmetry and spatial nonlocal effects. Journal Physics D: Applied Physics, 2017, 50, 495302.	2.8	13
139	A widely applicable method to fabricate underwater superoleophobic surfaces with low oil-adhesion on different metals by a femtosecond laser. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	13
140	Bioinspired Antiâ€Fogging and Antiâ€Fouling Artificial Compound Eyes. Advanced Optical Materials, 2022, 10, .	7.3	13
141	Elimination of the Coherent Artifact in a Pump-Probe Experiment by Directly Detecting the Background-Free Diffraction Signal. Chinese Physics Letters, 2011, 28, 086602.	3.3	12
142	Wear particle classification using genetic programming evolved features. Lubrication Science, 2018, 30, 229-246.	2.1	12
143	Emerging Separation Applications of Surface Superwettability. Nanomaterials, 2022, 12, 688.	4.1	12
144	Fabrication of three-dimensional microchannels inside silicon using a femtosecond laser. Journal of Micromechanics and Microengineering, 2009, 19, 125007.	2.6	11

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145	Scalable shape-controlled fabrication of curved microstructures using a femtosecond laser wet-etching process. Materials Science and Engineering C, 2013, 33, 2795-2799.	7.3	10
146	Ultrafast thermalization dynamics in two-layer metal films excited by temporally shaped femtosecond laser. International Journal of Heat and Mass Transfer, 2015, 87, 341-346.	4.8	10
147	Optical response of cylindrical multilayers in the context of hydrodynamic convection-diffusion model. Journal of Applied Physics, 2016, 120, 123102.	2.5	10
148	Mini-Review on Bioinspired Superwetting Microlens Array and Compound Eye. Frontiers in Chemistry, 2020, 8, 575786.	3.6	10
149	Fabrication of ZnSe Microlens Array for a Wide Infrared Spectral Region. IEEE Photonics Technology Letters, 2020, 32, 1327-1330.	2.5	10
150	Tuning a surface super-repellent to liquid metal by a femtosecond laser. RSC Advances, 2020, 10, 3301-3306.	3.6	10
151	Superwettabilityâ€based separation: From oil/water separation to polymer/water separation and bubble/water separation. Nano Select, 2021, 2, 1580-1588.	3.7	10
152	Oil-Water Separation Based on the Materials with Special Wettability. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2018, 34, 456-475.	4.9	10
153	Slippery Liquidâ€Infused Porous Surface on Metal Material with Excellent Ice Resistance Fabricated by Femtosecond Bessel Laser. Advanced Engineering Materials, 2022, 24, .	3.5	10
154	Femtosecond laser-induced mesoporous structures on silicon surface. Optics Communications, 2011, 284, 317-321.	2.1	9
155	Efficient optical Kerr gate of tellurite glass for acquiring ultrafast fluorescence. Journal of Optics (United Kingdom), 2012, 14, 065201.	2.2	9
156	A simple method for fabrication of high-aspect-ratio all-silicon grooves. Applied Surface Science, 2013, 284, 372-378.	6.1	9
157	Fabrication of Micro-Grooves in Silicon Carbide Using Femtosecond Laser Irradiation and Acid Etching. Chinese Physics Letters, 2014, 31, 037901.	3.3	9
158	A facile preparation route for netlike microstructures on a stainless steel using an ethanol-mediated femtosecond laser irradiation. Materials Science and Engineering C, 2013, 33, 663-667.	7.3	8
159	Ultrafast dynamics of laser thermal excitation in gold film triggered by temporally shaped double pulses. International Journal of Thermal Sciences, 2015, 90, 197-202.	4.9	8
160	A miniaturized Rogowski current transducer with wide bandwidth and fast response. Journal of Micromechanics and Microengineering, 2016, 26, 115015.	2.6	8
161	Femtosecond laser-patterned slippery surfaces on PET for liquid patterning and blood resistance. Optics and Laser Technology, 2020, 132, 106469.	4.6	8
162	Femtosecond laser hybrid fabrication of a 3D microfluidic chip for PCR application. Optics Express, 2020, 28, 25716.	3.4	8

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163	Microlens arrays enable variable-focus imaging. Optics and Laser Technology, 2022, 153, 108260.	4.6	8
164	Femtosecond laser directly writing microholes in Bi(Nb0.998V0.002)O4 ceramic and multi-photon induced large scale nanometer wires array. Journal of Materials Science: Materials in Electronics, 2011, 22, 1-5.	2.2	7
165	Ultrafast dynamics of thermionic emission on Au film under femtosecond laser excitation. Applied Physics A: Materials Science and Processing, 2013, 112, 479-483.	2.3	7
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