

# Dong Wu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4093695/publications.pdf>

Version: 2024-02-01

210  
papers

7,863  
citations

36303

51  
h-index

69250

77  
g-index

211  
all docs

211  
docs citations

211  
times ranked

6661  
citing authors

#	ARTICLE	IF	CITATIONS
1	Curvature-Driven Reversible In Situ Switching Between Pinned and Roll-Down Superhydrophobic States for Water Droplet Transportation. <i>Advanced Materials</i> , 2011, 23, 545-549.	21.0	268
2	Three-Level Biomimetic Rice-Leaf Surfaces with Controllable Anisotropic Sliding. <i>Advanced Functional Materials</i> , 2011, 21, 2927-2932.	14.9	251
3	Experimental demonstration of a three-dimensional lithium niobate nonlinear photonic crystal. <i>Nature Photonics</i> , 2018, 12, 596-600.	31.4	224
4	Three-dimensional chiral microstructures fabricated by structured optical vortices in isotropic material. <i>Light: Science and Applications</i> , 2017, 6, e17011-e17011.	16.6	201
5	Femtosecond laser 3D micromachining: a powerful tool for the fabrication of microfluidic, optofluidic, and electrofluidic devices based on glass. <i>Lab on A Chip</i> , 2014, 14, 3447-3458.	6.0	190
6	Single-Crystalline Dodecahedral and Octodecahedral $\text{Fe}_2\text{O}_3$ Particles Synthesized by a Fluoride Anion-Assisted Hydrothermal Method. <i>Advanced Functional Materials</i> , 2010, 20, 3987-3996.	14.9	176
7	Femtosecond laser rapid prototyping of nanoshells and suspending components towards microfluidic devices. <i>Lab on A Chip</i> , 2009, 9, 2391.	6.0	162
8	Multifunctional Janus Microplates Arrays Actuated by Magnetic Fields for Water/Light Switches and Bio-Inspired Assimilatory Coloration. <i>Advanced Materials</i> , 2019, 31, e1807507.	21.0	144
9	High numerical aperture microlens arrays of close packing. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	143
10	Bioinspired Fabrication of High-Quality 3D Artificial Compound Eyes by Voxel Modulation Femtosecond Laser Writing for Distortion-Free Wide-Field-of-View Imaging. <i>Advanced Optical Materials</i> , 2014, 2, 751-758.	7.3	134
11	Facile creation of hierarchical PDMS microstructures with extreme underwater superoleophobicity for anti-oil application in microfluidic channels. <i>Lab on A Chip</i> , 2011, 11, 3873.	6.0	127
12	Hybrid femtosecond laser microfabrication to achieve true 3D glass/polymer composite biochips with multiscale features and high performance: the concept of ship-in-a-bottle biochip. <i>Laser and Photonics Reviews</i> , 2014, 8, 458-467.	8.7	126
13	Botanical-Inspired 4D Printing of Hydrogel at the Microscale. <i>Advanced Functional Materials</i> , 2020, 30, 1907377.	14.9	122
14	Efficient nonlinear beam shaping in three-dimensional lithium niobate nonlinear photonic crystals. <i>Nature Communications</i> , 2019, 10, 4193.	12.8	114
15	In-channel integration of designable microoptical devices using flat scaffold-supported femtosecond-laser microfabrication for coupling-free optofluidic cell counting. <i>Light: Science and Applications</i> , 2015, 4, e228-e228.	16.6	107
16	Electrofluidics fabricated by space-selective metallization in glass microfluidic structures using femtosecond laser direct writing. <i>Lab on A Chip</i> , 2013, 13, 4608.	6.0	103
17	A single-layer Janus membrane with dual gradient conical micropore arrays for self-driving fog collection. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18403-18408.	10.3	103
18	Environmentally Adaptive Shape-Morphing Microrobots for Localized Cancer Cell Treatment. <i>ACS Nano</i> , 2021, 15, 18048-18059.	14.6	94

#	ARTICLE	IF	CITATIONS
19	Vertical sidewall electrodes monolithically integrated into 3D glass microfluidic chips using water-assisted femtosecond-laser fabrication for in situ control of electrotaxis. RSC Advances, 2015, 5, 24072-24080.	3.6	93
20	Multifunctional ultrathin aluminum foil: oil/water separation and particle filtration. Journal of Materials Chemistry A, 2016, 4, 18832-18840.	10.3	92
21	Nanogap Plasmonic Structures Fabricated by Switchable Capillary-Force Driven Self-Assembly for Localized Sensing of Anticancer Medicines with Microfluidic SERS. Advanced Functional Materials, 2020, 30, 1909467.	14.9	91
22	Conical Hollow Microhelices with Superior Swimming Capabilities for Targeted Cargo Delivery. Advanced Materials, 2019, 31, e1808226.	21.0	89
23	Laser printing hierarchical structures with the aid of controlled capillary-driven self-assembly. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6876-6881.	7.1	87
24	Stimuli-Responsive Actuator Fabricated by Dynamic Asymmetric Femtosecond Bessel Beam for <i>In Situ</i> Particle and Cell Manipulation. ACS Nano, 2020, 14, 5233-5242.	14.6	87
25	Fish scale inspired design of underwater superoleophobic microcone arrays by sucrose solution assisted femtosecond laser irradiation for multifunctional liquid manipulation. Journal of Materials Chemistry A, 2015, 3, 18675-18683.	10.3	84
26	Pitcher plant-bioinspired bubble slippery surface fabricated by femtosecond laser for buoyancy-driven bubble self-transport and efficient gas capture. Nanoscale, 2019, 11, 1370-1378.	5.6	74
27	One-Step Preparation of Regular Micropearl Arrays for Two-Direction Controllable Anisotropic Wetting. Langmuir, 2010, 26, 12012-12016.	3.5	73
28	<i>In Situ</i> Reversible Control between Sliding and Pinning for Diverse Liquids under Ultra-Low Voltage. ACS Nano, 2019, 13, 5742-5752.	14.6	73
29	Bioinspired micro/nanostructured surfaces prepared by femtosecond laser direct writing for multi-functional applications. International Journal of Extreme Manufacturing, 2020, 2, 032002.	12.7	73
30	A facile approach for artificial biomimetic surfaces with both superhydrophobicity and iridescence. Soft Matter, 2010, 6, 263-267.	2.7	72
31	Switchable Underwater Bubble Wettability on Laser-Induced Titanium Multiscale Micro-/Nanostructures by Vertically Crossed Scanning. ACS Applied Materials & Interfaces, 2018, 10, 16867-16873.	8.0	65
32	Ship-in-a-bottle femtosecond laser integration of optofluidic microlens arrays with center-pass units enabling coupling-free parallel cell counting with a 100% success rate. Lab on A Chip, 2015, 15, 1515-1523.	6.0	64
33	High efficiency multilevel phase-type fractal zone plates. Optics Letters, 2008, 33, 2913.	3.3	63
34	Biomimetic surfaces with anisotropic sliding wetting by energy-modulation femtosecond laser irradiation for enhanced water collection. RSC Advances, 2017, 7, 11170-11179.	3.6	63
35	Femtosecond Mathieu Beams for Rapid Controllable Fabrication of Complex Microcages and Application in Trapping Microobjects. ACS Nano, 2019, 13, 4667-4676.	14.6	63
36	Large area metal micro-/nano-groove arrays with both structural color and anisotropic wetting fabricated by one-step focused laser interference lithography. Nanoscale, 2019, 11, 4803-4810.	5.6	63

#	ARTICLE	IF	CITATIONS
37	High Performance Bubble Manipulation on Ferrofluid-Infused Laser-Ablated Microstructured Surfaces. <i>Nano Letters</i> , 2020, 20, 5513-5521.	9.1	63
38	Giant Helical Dichroism of Single Chiral Nanostructures with Photonic Orbital Angular Momentum. <i>ACS Nano</i> , 2021, 15, 2893-2900.	14.6	63
39	Enhanced visible photocatalytic activity of titania-silica photocatalysts: effect of carbon and silver doping. <i>Catalysis Science and Technology</i> , 2012, 2, 1213.	4.1	62
40	High-Performance Unidirectional Manipulation of Microdroplets by Horizontal Vibration on Femtosecond Laser-Induced Slant Microwall Arrays. <i>Advanced Materials</i> , 2020, 32, e2005039.	21.0	62
41	Gigantic vortical differential scattering as a monochromatic probe for multiscale chiral structures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	62
42	All-Glass 3D Optofluidic Microchip with Built-in Tunable Microlens Fabricated by Femtosecond Laser-Assisted Etching. <i>Advanced Optical Materials</i> , 2018, 6, 1701299.	7.3	61
43	Remote Photothermal Actuation of Underwater Bubble toward Arbitrary Direction on Planar Slippery Fe <sub>3</sub> O <sub>4</sub> -Doped Surfaces. <i>Advanced Functional Materials</i> , 2019, 29, 1904766.	14.9	59
44	100% Fill-Factor Aspheric Microlens Arrays (AMLA) With Sub-20-nm Precision. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 1535-1537.	2.5	58
45	High efficiency integration of three-dimensional functional microdevices inside a microfluidic chip by using femtosecond laser multifoci parallel microfabrication. <i>Scientific Reports</i> , 2016, 6, 19989.	3.3	58
46	A Janus oil barrel with tapered microhole arrays for spontaneous high-flux spilled oil absorption and storage. <i>Nanoscale</i> , 2017, 9, 15796-15803.	5.6	57
47	Reconfigurable Magnetic Liquid Metal Robot for High-Performance Droplet Manipulation. <i>Nano Letters</i> , 2022, 22, 2923-2933.	9.1	57
48	Large-Area One-Step Assembly of Three-Dimensional Porous Metal Micro/Nanocages by Ethanol-Assisted Femtosecond Laser Irradiation for Enhanced Antireflection and Hydrophobicity. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 383-390.	8.0	55
49	Localized Self-Growth of Reconfigurable Architectures Induced by a Femtosecond Laser on a Shape-Memory Polymer. <i>Advanced Materials</i> , 2018, 30, e1803072.	21.0	55
50	In Situ Reversible Tuning from Pinned to Roll-Down Superhydrophobic States on a Thermal-Responsive Shape Memory Polymer by a Silver Nanowire Film. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 13464-13472.	8.0	55
51	Targeted Single-Cell Therapeutics with Magnetic Tubular Micromotor by One-Step Exposure of Structured Femtosecond Optical Vortices. <i>Advanced Functional Materials</i> , 2019, 29, 1905745.	14.9	54
52	Phase lenses and mirrors created by laser micronanofabrication via two-photon photopolymerization. <i>Applied Physics Letters</i> , 2007, 91, 171105.	3.3	51
53	Noncontact In-Situ Reversible Reconfiguration of Femtosecond Laser-Induced Shape Memory Magnetic Microcones for Multifunctional Liquid Droplet Manipulation and Information Encryption. <i>Advanced Functional Materials</i> , 2021, 31, 2100543.	14.9	51
54	Three-Dimensional Multifunctional Magnetically Responsive Liquid Manipulator Fabricated by Femtosecond Laser Writing and Soft Transfer. <i>Nano Letters</i> , 2020, 20, 7519-7529.	9.1	50

#	ARTICLE	IF	CITATIONS
55	A simple strategy to realize biomimetic surfaces with controlled anisotropic wetting. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	49
56	Two-photon polymerization of microstructures by a non-diffraction multifoci pattern generated from a superposed Bessel beam. <i>Optics Letters</i> , 2017, 42, 743.	3.3	49
57	Transparent Light-Driven Hydrogel Actuator Based on Photothermal Marangoni Effect and Buoyancy Flow for Three-Dimensional Motion. <i>Advanced Functional Materials</i> , 2021, 31, 2009386.	14.9	48
58	Capillary Force Driven Self-Assembly of Anisotropic Hierarchical Structures Prepared by Femtosecond Laser 3D Printing and Their Applications in Crystallizing Microparticles. <i>ACS Nano</i> , 2015, 9, 12060-12069.	14.6	47
59	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.	3.7	47
60	Anisotropic Sliding of Underwater Bubbles On Microgrooved Slippery Surfaces by One-Step Femtosecond Laser Scanning. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 20574-20580.	8.0	43
61	Super Hydrophobic Mesoporous Silica with Anchored Methyl Groups on the Surface by a One-Step Synthesis without Surfactant Template. <i>Journal of Physical Chemistry C</i> , 2007, 111, 999-1004.	3.1	42
62	Optimized holographic femtosecond laser patterning method towards rapid integration of high-quality functional devices in microchannels. <i>Scientific Reports</i> , 2016, 6, 33281.	3.3	42
63	Chiral Assemblies of Laser-Printed Micropillars Directed by Asymmetrical Capillary Force. <i>Advanced Materials</i> , 2020, 32, e2002356.	21.0	42
64	Quasi-phase-matching-division multiplexing holography in a three-dimensional nonlinear photonic crystal. <i>Light: Science and Applications</i> , 2021, 10, 146.	16.6	42
65	Induction of Chirality in a Metal-Organic Framework Built from Achiral Precursors. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3087-3094.	13.8	41
66	Direct laser writing of complex microtubes using femtosecond vortex beams. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	40
67	A Biocompatible Vibration-Actuated Omni-Droplets Rectifier with Large Volume Range Fabricated by Femtosecond Laser. <i>Advanced Materials</i> , 2022, 34, e2108567.	21.0	40
68	Efficient full-path optical calculation of scalar and vector diffraction using the Bluestein method. <i>Light: Science and Applications</i> , 2020, 9, 119.	16.6	38
69	A Simple Non-Aqueous Route to Anatase TiO <sub>2</sub> . <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 1236-1240.	2.0	37
70	Mechanical stretch for tunable wetting from topological PDMS film. <i>Soft Matter</i> , 2013, 9, 4236.	2.7	36
71	Hexagonal $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanorods bound by high-index facets as high-performance electrochemical sensor. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3040.	10.3	36
72	Self-organization of polymer nanoneedles into large-area ordered flowerlike arrays. <i>Applied Physics Letters</i> , 2009, 95, 091902.	3.3	35

#	ARTICLE	IF	CITATIONS
73	Real-time two-photon lithography in controlled flow to create a single-microparticle array and particle-cluster array for optofluidic imaging. Lab on A Chip, 2018, 18, 442-450.	6.0	35
74	Advanced microfluidic devices for fabricating multi-structural hydrogel microsphere. Exploration, 2021, 1, .	11.0	35
75	Smart Stretchable Janus Membranes with Tunable Collection Rate for Fog Harvesting. Advanced Materials Interfaces, 2019, 6, 1901465.	3.7	34
76	Unidirectional Transport and Effective Collection of Underwater CO <sub>2</sub> Bubbles Utilizing Ultrafast-Laser-Ablated Janus Foam. ACS Applied Materials & Interfaces, 2020, 12, 18110-18115.	8.0	34
77	In Situ Electric-Induced Switchable Transparency and Wettability on Laser-Ablated Bioinspired Paraffin-Impregnated Slippery Surfaces. Advanced Science, 2021, 8, e2100701.	11.2	34
78	Sol-Gel Synthesis of Methyl Modified Optical Silica Coatings and Gels from DDS and TEOS. Journal of Sol-Gel Science and Technology, 2005, 33, 19-24.	2.4	33
79	High efficiency fabrication of complex microtube arrays by scanning focused femtosecond laser Bessel beam for trapping/releasing biological cells. Optics Express, 2017, 25, 8144.	3.4	33
80	Cross-Species Bioinspired Anisotropic Surfaces for Active Droplet Transportation Driven by Unidirectional Microcolumn Waves. ACS Applied Materials & Interfaces, 2020, 12, 42264-42273.	8.0	33
81	Synthesis and properties of octahedral Co <sub>3</sub> O <sub>4</sub> single-crystalline nanoparticles enclosed by (111) facets. CrystEngComm, 2013, 15, 8337.	2.6	32
82	Unidirectional self-transport of air bubble via a Janus membrane in aqueous environment. Applied Physics Letters, 2018, 113, .	3.3	32
83	Reversible Tuning between Isotropic and Anisotropic Sliding by One-Direction Mechanical Stretching on Microgrooved Slippery Surfaces. Langmuir, 2019, 35, 10625-10630.	3.5	31
84	Ultralow-Voltage-Driven Smart Control of Diverse Drop's Anisotropic Sliding by in Situ Switching Joule Heat on Paraffin-Infused Microgrooved Slippery Surface. ACS Applied Materials & Interfaces, 2020, 12, 1895-1904.	8.0	31
85	<i>In situ</i> tunable bubble wettability with fast response induced by solution surface tension. Journal of Materials Chemistry A, 2018, 6, 20878-20886.	10.3	30
86	Stable nanocrystalline zirconia sols prepared by a novel method: Alcohol thermal synthesis. Journal of Materials Research, 2000, 15, 402-406.	2.6	29
87	One-step facile fabrication of controllable microcone and micromolar silicon arrays with tunable wettability by liquid-assisted femtosecond laser irradiation. RSC Advances, 2016, 6, 37463-37471.	3.6	29
88	Mechanical-Tunable Capillary-Force-Driven Self-Assembled Hierarchical Structures on Soft Substrate. ACS Nano, 2018, 12, 10142-10150.	14.6	29
89	An improved multi-exposure approach for high quality holographic femtosecond laser patterning. Applied Physics Letters, 2014, 105, .	3.3	28
90	Arch-like microsorters with multi-modal and clogging-improved filtering functions by using femtosecond laser multifocal parallel microfabrication. Optics Express, 2017, 25, 16739.	3.4	27

#	ARTICLE	IF	CITATIONS
91	Ultrathin and High-Stress-Resolution Liquid-Metal-Based Pressure Sensors with Simple Device Structures. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 55390-55398.	8.0	27
92	Fast production of $\text{Ni}(\text{OH})_2$ nanostructures with (001) and (100) plane exposure and their electrochemical properties. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5695.	10.3	26
93	Dimensionally Controllable Microtube Arrays by Dynamic Holographic Processing as 3D Yeast Culture Scaffolds for Asymmetrical Growth Regulation. <i>Small</i> , 2017, 13, 1701190.	10.0	26
94	Selective Synthesis of Wurtzite CdSe Nanorods and Zinc Blend CdSe Nanocrystals through a Convenient Solvothermal Route. <i>Journal of Nanoparticle Research</i> , 2007, 9, 745-752.	1.9	25
95	Rapid, Controllable Fabrication of Regular Complex Microarchitectures by Capillary Assembly of Micropillars and Their Application in Selectively Trapping/Releasing Microparticles. <i>Small</i> , 2013, 9, 760-767.	10.0	25
96	Photothermal Actuation of Diverse Liquids on an $\text{Fe}_3\text{O}_4$ -Doped Slippery Surface for Electric Switching and Cell Culture. <i>Langmuir</i> , 2019, 35, 13915-13922.	3.5	25
97	Studies of Fe-doped $\text{SiO}_2/\text{TiO}_2$ composite nanoparticles prepared by sol-gel-hydrothermal method. <i>Journal of Materials Science</i> , 2005, 40, 3939-3943.	3.7	24
98	Ammonia Catalyzed Hydrolysis-Condensation Kinetics of Tetraethoxysilane/Dimethyldiethoxysilane Mixtures Studied by $^{29}\text{Si}$ NMR and SAXS. <i>Journal of Solution Chemistry</i> , 2007, 36, 327-344.	1.2	24
99	Multifurcate Assembly of Slanted Micropillars Fabricated by Superposition of Optical Vortices and Application in High-Efficiency Trapping Microparticles. <i>Advanced Functional Materials</i> , 2017, 27, 1701939.	14.9	24
100	SAXS analysis of interface in organo-modified mesoporous silica. <i>Surface and Interface Analysis</i> , 2001, 31, 897-900.	1.8	22
101	Tuning pore size and hydrophobicity of macroporous hybrid silica films with high optical transmittance by a non-template route. <i>Journal of Materials Chemistry</i> , 2008, 18, 5557.	6.7	22
102	Thermal shrinkage investigation of the chemical reaction during the stabilization of polyacrylonitrile fibers. <i>Journal of Applied Polymer Science</i> , 2009, 114, 3668-3672.	2.6	22
103	Reversible switching between isotropic and anisotropic wetting by one-direction curvature tuning on flexible superhydrophobic surfaces. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	22
104	Self-Sealed Bionic Long Microchannels with Thin Walls and Designable Nanoholes Prepared by Line-Contact Capillary-Force Assembly. <i>Small</i> , 2017, 13, 1603957.	10.0	22
105	Femtosecond Laser Regulated Ultrafast Growth of Mushroom-Like Architecture for Oil Repellency and Manipulation. <i>Nano Letters</i> , 2021, 21, 9301-9309.	9.1	22
106	Simultaneous efficiency enhancement and self-cleaning effect of white organic light-emitting devices by flexible antireflective films. <i>Optics Letters</i> , 2011, 36, 2635.	3.3	21
107	Preparation and Properties of Octadecahedral $\text{Fe}_2\text{O}_3$ Nanoparticles Enclosed by {104} and {112} Facets. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4076-4081.	2.0	21
108	Generation of colorful Airy beams and Airy imaging of letters via two-photon processed cubic phase plates. <i>Optics Letters</i> , 2018, 43, 1151.	3.3	21

#	ARTICLE	IF	CITATIONS
109	Dual-Responsive Janus Membrane by One-Step Laser Drilling for Underwater Bubble Selective Capture and Repelling. <i>Advanced Materials Interfaces</i> , 2019, 6, 1901176.	3.7	20
110	Dynamic Airy imaging through high-efficiency broadband phase microelements by femtosecond laser direct writing. <i>Photonics Research</i> , 2020, 8, 875.	7.0	20
111	Structure Control of SiO <sub>2</sub> Sol-Gels via Addition of PEG. <i>Studies in Surface Science and Catalysis</i> , 1998, 118, 617-624.	1.5	19
112	Title is missing!. <i>Catalysis Letters</i> , 2003, 89, 261-267.	2.6	19
113	A new method for the kinetic study of cyclization reaction during stabilization of polyacrylonitrile fibers. <i>Journal of Materials Science</i> , 2008, 43, 4910-4914.	3.7	19
114	Feasibility and mechanism of p-nitrophenol decomposition in aqueous dispersions of ferrihydrite and H <sub>2</sub> O <sub>2</sub> under irradiation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2013, 110, 87-99.	1.7	19
115	Multilayered skyscraper microchips fabricated by hybrid all-in-one femtosecond laser processing. <i>Microsystems and Nanoengineering</i> , 2019, 5, 17.	7.0	19
116	Preparation of mesocarbon microbeads from coal tar. <i>Journal of Materials Science</i> , 1999, 34, 4043-4050.	3.7	18
117	Morphology evolution of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles: the effect of dihydrogen phosphate anions. <i>CrystEngComm</i> , 2011, 13, 7293.	2.6	18
118	Three-level cobblestone-like TiO <sub>2</sub> micro/nanocones for dual-responsive water/oil reversible wetting without fluorination. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	18
119	Ultrafast Laser Fabrication of Functional Biochips: New Avenues for Exploring 3D Micro- and Nano-Environments. <i>Micromachines</i> , 2017, 8, 40.	2.9	18
120	Continuous cubic phase microplates for generating high-quality Airy beams with strong deflection. <i>Optics Letters</i> , 2017, 42, 2483.	3.3	18
121	High-aspect-ratio microtubes with variable diameter and uniform wall thickness by compressing Bessel hologram phase depth. <i>Optics Letters</i> , 2018, 43, 3514.	3.3	18
122	Spontaneous and unidirectional transportation of underwater bubbles on superhydrophobic dual rails. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	18
123	Robust Underwater Air Layer Retention and Restoration on <i>Salvinia</i> -Inspired Self-Grown Heterogeneous Architectures. <i>ACS Nano</i> , 2022, 16, 2730-2740.	14.6	18
124	Synthesis and characterization of ultralong lanthanum hydroxide nanorods via solvothermal method. <i>Journal of Materials Science</i> , 2007, 42, 1397-1400.	3.7	17
125	Microtubes with Complex Cross Section Fabricated by C-Shaped Bessel Laser Beam for Mimicking Stomata That Opens and Closes Rapidly. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 36369-36376.	8.0	17
126	Channel-controlled Janus membrane fabricated by simultaneous laser ablation and nanoparticles deposition for underwater bubbles manipulation. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	17



#	ARTICLE	IF	CITATIONS
127	Rapid Fabrication of 3D Chiral Microstructures by Single Exposure of Interfered Femtosecond Vortex Beams and Capillary-Force-Assisted Self-Assembly. <i>Advanced Functional Materials</i> , 2022, 32, 2106917.	14.9	17
128	Preparation and Catalytic Performance of Mesoporous Aluminosilicate Nano-particles with Wormhole-Like Framework Structure. <i>Catalysis Letters</i> , 2004, 93, 225-229.	2.6	16
129	Precisely tailoring dendritic $\pm$ -Fe <sub>2</sub> O <sub>3</sub> structures along [101̄,0] directions. <i>CrystEngComm</i> , 2012, 14, 4074.	2.6	16
130	Synthesis and catalytic property of facet-controlled Co <sub>3</sub> O <sub>4</sub> structures enclosed by (111) and (113) facets. <i>CrystEngComm</i> , 2016, 18, 5456-5462.	2.6	16
131	Amplitude-phase optimized long depth of focus femtosecond axilens beam for single-exposure fabrication of high-aspect-ratio microstructures. <i>Optics Letters</i> , 2020, 45, 2584.	3.3	16
132	Functional Shape-Morphing Microarchitectures Fabricated by Dynamic Holographically Shifted Femtosecond Multifoci. <i>Nano Letters</i> , 2022, 22, 5277-5286.	9.1	16
133	Polyvinylpyrrolidone/ZrO <sub>2</sub> -based sol-gel films applied in highly reflective mirrors for inertial confinement fusion. <i>Journal of Sol-Gel Science and Technology</i> , 2008, 47, 173-181.	2.4	15
134	3D Biomimetic Chips for Cancer Cell Migration in Nanometer-Sized Spaces Using "Ship-in-a-Bottle" Femtosecond Laser Processing. <i>ACS Applied Bio Materials</i> , 2018, 1, 1667-1676.	4.6	15
135	Induction of Chirality in a Metal-Organic Framework Built from Achiral Precursors. <i>Angewandte Chemie</i> , 2021, 133, 3124-3131.	2.0	15
136	Light-driven Locomotion of Underwater Bubbles on Ultrarobust Paraffin-impregnated Laser-ablated Fe <sub>3</sub> O <sub>4</sub> -doped Slippery Surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 9272-9280.	8.0	15
137	Multiphasic Acetalization and Alkylation on Organically Modified MSU-X Silica. <i>Catalysis Letters</i> , 2001, 74, 213-216.	2.6	14
138	Tunable microfluidic device fabricated by femtosecond structured light for particle and cell manipulation. <i>Lab on A Chip</i> , 2019, 19, 3988-3996.	6.0	14
139	Hybrid femtosecond laser fabrication of a size-tunable microtrap chip with a high-trapping retention rate. <i>Optics Letters</i> , 2020, 45, 1071.	3.3	14
140	Comparative study on the structural, acidic and catalytic properties of nano-sized and large-particulate mesoporous aluminosilicates. <i>Topics in Catalysis</i> , 2006, 39, 227-235.	2.8	13
141	Self-assembled micropillars fabricated by holographic femtosecond multi-foci beams for in situ trapping of microparticles. <i>Optics Letters</i> , 2020, 45, 4698.	3.3	13
142	A new study on the kinetics of St $\pi$ ber synthesis by in-situ liquid <sup>29</sup> Si NMR. <i>Journal of Sol-Gel Science and Technology</i> , 2007, 42, 13-20.	2.4	12
143	Three-dimensional micronanofabrication via two-photon-excited photoisomerization. <i>Applied Physics Letters</i> , 2009, 95, 083118.	3.3	12
144	Two-stage optical recording: photoinduced birefringence and surface-mediated bits storage in bisazo-containing copolymers towards ultrahigh data memory. <i>Optics Express</i> , 2016, 24, 23557.	3.4	12

#	ARTICLE	IF	CITATIONS
145	Systematic shape evolution of Co <sub>3</sub> O <sub>4</sub> nanocrystals from octahedra to spheres under the influence of C <sub>2</sub> O <sub>4</sub> <sup>2-</sup> and PVP. CrystEngComm, 2016, 18, 9299-9306.	2.6	12
146	Multifunctional oil-water and immiscible organic liquid separation by micropore arrayed Ti foil. Applied Surface Science, 2018, 455, 221-226.	6.1	12
147	Holographic femtosecond laser integration of microtube arrays inside a hollow needle as a lab-in-a-needle device. Optics Letters, 2019, 44, 5073.	3.3	12
148	Influence of ozone on chemical reactions during the stabilization of polyacrylonitrile as a carbon fiber precursor. Journal of Applied Polymer Science, 2008, 108, 3990-3996.	2.6	11
149	Hydrothermal Preparation of Visible-Light-Driven N-Br-Codoped TiO <sub>2</sub> . International Journal of Photoenergy, 2008, 2008, 1-7.	2.6	11
150	Synthesis of phenyl-MSU-1 and bi-functionalized silica mesophases. Journal of Materials Research, 2002, 17, 431-437.	2.6	10
151	Guiding the Patterned Growth of Neuronal Axons and Dendrites Using Anisotropic Micropillar Scaffolds. Advanced Healthcare Materials, 2021, 10, e2100094.	7.6	10
152	Flexible and rapid fabrication of silver microheaters with spatial-modulated multifoci by femtosecond laser multiphoton reduction. Optics Letters, 2018, 43, 5335.	3.3	10
153	Size-controllable barium titanate nanopowder synthesized via one-pot solvothermal route in a mixed solvent. Journal of Electroceramics, 2006, 16, 127-133.	2.0	9
154	Highly uniform parallel microfabrication using a large numerical aperture system. Applied Physics Letters, 2016, 109, .	3.3	9
155	Controllable double-helical microstructures by photonic orbital angular momentum for chiroptical response. Optics Letters, 2021, 46, 1401.	3.3	9
156	3D Multiscale Micro-/Nanofolds by Femtosecond Laser Intermittent Ablation and Constrained Heating on a Shape Memory Polymer. ACS Applied Materials & Interfaces, 2021, 13, 23210-23219.	8.0	9
157	High-Performance Ultrafine Bubble Aeration on Janus Aluminum Foil Prepared by Laser Microfabrication. Langmuir, 2021, 37, 6947-6952.	3.5	9
158	Magnetism-Actuated Superhydrophobic Flexible Microclaw: From Spatial Microdroplet Maneuvering to Cross-Species Control. ACS Applied Materials & Interfaces, 2021, 13, 35165-35172.	8.0	9
159	Determination of specific surfaces of silica xerogets by SAXS. Science Bulletin, 2000, 45, 1386-1390.	1.7	8
160	Determination of SiO <sub>2</sub> colloid core size by SAXS. Journal of Materials Science Letters, 2003, 22, 33-35.	0.5	8
161	SYNTHESIS AND CHARACTERIZATION OF POLY(BUTYL ACRYLATE-CO-METHYL METHACRYLATE)/CLAY NANOCOMPOSITES VIA EMULSION POLYMERIZATION. International Journal of Nanoscience, 2006, 05, 291-297.	0.7	8
162	Optical superimposed vortex beams generated by integrated holographic plates with blazed grating. Applied Physics Letters, 2017, 111, 061901.	3.3	8

#	ARTICLE	IF	CITATIONS
163	Efficient fabrication of a high-aspect-ratio AFM tip by one-step exposure of a long focal depth holographic femtosecond axilens beam. <i>Optics Letters</i> , 2020, 45, 897.	3.3	8
164	Sustaining Robust Cavities with Slippery Liquid-Liquid Interfaces. <i>Advanced Science</i> , 2022, 9, e2103568.	11.2	8
165	Tailoring Optical Vortical Dichroism with Stereometamaterials. <i>Laser and Photonics Reviews</i> , 2022, 16, .	8.7	8
166	Title is missing!. <i>Journal of Materials Science Letters</i> , 2003, 22, 955-957.	0.5	7
167	Mixed Cationic-Nonionic Surfactants Route to MCM-48: Effect of the Nonionic Surfactant on the Structural Properties. <i>Journal of Sol-Gel Science and Technology</i> , 2004, 30, 149-155.	2.4	7
168	Hydrophobic mesoporous silica applied in GC separation of hexene isomers. <i>Journal of Sol-Gel Science and Technology</i> , 2010, 56, 93-98.	2.4	7
169	Femtosecond Laser-Assisted Top-Restricted Self-Growth Re-Entrant Structures on Shape Memory Polymer for Dynamic Pressure Resistance. <i>Langmuir</i> , 2020, 36, 12346-12356.	3.5	7
170	Restructuring of Co <sub>3</sub> O <sub>4</sub> particles from polycrystalline microspheres to single-crystalline polyhedra under the assistance of acetic acid. <i>CrystEngComm</i> , 2015, 17, 1848-1855.	2.6	6
171	Pillar-Assisted Construction of a Three-Dimensional Framework from a Two-Dimensional Bilayer Based on a Zn/Cd Heterometal Cluster: Pore Tuning and Gas Adsorption. <i>Crystal Growth and Design</i> , 2018, 18, 1826-1833.	3.0	6
172	Magnetically driven rotary microfilter fabricated by two-photon polymerization for multimode filtering of particles. <i>Optics Letters</i> , 2021, 46, 2968.	3.3	6
173	On-Demand Maneuvering of Diverse Prodrug Liquids on a Light-Responsive Candle-Soot-Hybridized Lubricant-Infused Slippery Surface for Highly Effective Toxicity Screening. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 31667-31676.	8.0	6
174	Correction of negative deviation from Debye's theory. <i>Journal of Materials Science Letters</i> , 2001, 20, 2243-2244.	0.5	5
175	Direct synthesis of mesoporous organosilica from sodium silicate and organotrialkoxysilane. <i>Journal of Materials Science Letters</i> , 2003, 22, 1229-1231.	0.5	5
176	Direct cellular organization with ring-shaped composite polymers and glass substrates for urethral sphincter tissue engineering. <i>Journal of Materials Chemistry B</i> , 2016, 4, 3998-4008.	5.8	5
177	Digital flow rate sensor based on isovolumetric droplet discretization effect by a three-supersurface structure. <i>Microfluidics and Nanofluidics</i> , 2019, 23, 1.	2.2	5
178	Rapid fabrication of high-resolution multi-scale microfluidic devices based on the scanning of patterned femtosecond laser. <i>Optics Letters</i> , 2020, 45, 3929.	3.3	5
179	3D microfluidic cloth-based analytical devices on a single piece of cloth by one-step laser hydrophilicity modification. <i>Lab on A Chip</i> , 2021, 21, 4805-4813.	6.0	5
180	Ship-in-a-bottle integration by hybrid femtosecond laser technology for fabrication of true 3D biochips. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
181	A facile strategy to integrate robust porous aluminum foil into microfluidic chip for sorting particles. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	2.2	4
182	Capillary-assisted localized crystallization on discrete micropillar rings. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	4
183	Kirigami Structures of Shape Memory Polymer by Femtosecond Laser Scribing and Constrained Heating. <i>Advanced Materials Technologies</i> , 2021, 6, 2100200.	5.8	4
184	Direct Generation of Airy Beams at Designed Fourier Planes Using Integrated Airy Phase Plates. <i>IEEE Photonics Technology Letters</i> , 2021, 33, 595-598.	2.5	4
185	Anisotropic Sliding Behaviors of Gas Bubbles upon Ferrofluid-Infused Orthonormal Tracks (FOTs) Under Magnetic Stimuli. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	4
186	Highly moisture-proof polysilsesquioxane coating prepared via facile sol-gel process. <i>Journal of Coatings Technology Research</i> , 2006, 3, 127-131.	2.5	3
187	IN SITU ASSEMBLY OF ZnS NANOFIBERS WITH HIGHLY ORDERED LAMELLAR MESOSTRUCTURE. <i>International Journal of Nanoscience</i> , 2006, 05, 245-251.	0.7	3
188	Single-crystalline dodecahedral $\text{Fe}_2\text{O}_3$ particles with nanometer size: synthesis and characterization. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	3
189	Single-exposure multiphoton fabrication of polygonized structures by an SLM-modulated Fresnel zone lens. <i>Optical Engineering</i> , 2016, 55, 035102.	1.0	3
190	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
191	Femtosecond Laser Direct Ablating Micro/Nanostructures and Micropatterns on $\text{CH}_3\text{NH}_3\text{PbI}_3$ Single Crystal. <i>IEEE Photonics Journal</i> , 2017, 9, 1-10.	2.0	3
192	Additional Incorporation of Aluminum into Al-Containing Mesostructure via Hydrothermal Treatment with $\text{NaAlO}_2$ Solution. <i>Journal of Porous Materials</i> , 2005, 12, 107-112.	2.6	2
193	4D Printing: Botanical-Inspired 4D Printing of Hydrogel at the Microscale ( <i>Adv. Funct. Mater.</i> 4/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070026.	14.9	2
194	Real-time capture of single particles in controlled flow by a rapidly generated foci array with adjustable intensity and pattern. <i>Optics Letters</i> , 2021, 46, 5308.	3.3	2
195	Biomimetic Mechanoswitchable Interfaces for High-Performance Spatial Gas Bubble Maneuvering. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 43769-43776.	8.0	2
196	Reply to Comments on "Efficient full-path optical calculation of scalar and vector diffraction using the Bluestein method": <i>Light: Science and Applications</i> , 2021, 10, 13.	16.6	2
197	$\text{ZrO}_2$ - $\text{SiO}_2$ Coatings for Wavelength-Selective Reflection Filter. <i>Molecular Crystals and Liquid Crystals</i> , 1999, 337, 497-500.	0.3	1
198	Femtosecond laser direct writing continuous phase vortex gratings with proportionally distributed diffraction energy. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	1

#	ARTICLE	IF	CITATIONS
199	Fabricating Nanogap for SERS by Combing Laser Printing with Capillary-Force Self-Assembly on Soft Base. , 2019, , .		1
200	Multifunctional microfluidic "Particle diode" One-way particle transport and particle filtration. Sensors and Actuators B: Chemical, 2022, 367, 132029.	7.8	1
201	Nano-Sized SiO <sub>2</sub> Sol-Gel for Structure-Controlled Optical Coatings. Molecular Crystals and Liquid Crystals, 1999, 337, 85-88.	0.3	0
202	Toughening of Polycarbonate with Organic-Inorganic Hybrid Materials. Polymers and Polymer Composites, 2006, 14, 291-300.	1.9	0
203	Femtosecond laser-induced two-photon polymerization: A new avenue towards microoptics and micromechanics. , 2009, , .		0
204	Notice of Retraction: Analyses of car fuel consumption based on driving cycles. , 2010, , .		0
205	Hybrid Subtractive and Additive Micromanufacturing using Femtosecond Laser for Fabrication of True 3D Biochips. , 2015, , .		0
206	Erratum to "Femtosecond Laser Direct Ablating Micro/Nanostructures and Micropatterns on CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Single Crystal" [Apr 17 Art. no. 2400110]. IEEE Photonics Journal, 2019, 11, 1-2.	2.0	0
207	Chiral Microstructures: Chiral Assemblies of Laser-Printed Micropillars Directed by Asymmetrical Capillary Force (Adv. Mater. 31/2020). Advanced Materials, 2020, 32, 2070236.	21.0	0
208	InnenrÄ¼cktitelbild: Induction of Chirality in a Metal-Organic Framework Built from Achiral Precursors (Angew. Chem. 6/2021). Angewandte Chemie, 2021, 133, 3351-3351.	2.0	0
209	High-quality microhole arrays by water-assisted femtosecond laser perforating for improved particle sorting. Optical Engineering, 2018, 57, 1.	1.0	0
210	Integration of functional microstructures inside a microfluidic chip by direct femtosecond laser writing. , 2019, , .		0