List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/704644/publications.pdf Version: 2024-02-01



Ілди Сни

#	Article	IF	CITATIONS
1	Three-dimensional chiral microstructures fabricated by structured optical vortices in isotropic material. Light: Science and Applications, 2017, 6, e17011-e17011.	16.6	201
2	Multifunctional Janus Microplates Arrays Actuated by Magnetic Fields for Water/Light Switches and Bioâ€Inspired Assimilatory Coloration. Advanced Materials, 2019, 31, e1807507.	21.0	144
3	Botanicalâ€Inspired 4D Printing of Hydrogel at the Microscale. Advanced Functional Materials, 2020, 30, 1907377.	14.9	122
4	Efficient nonlinear beam shaping in three-dimensional lithium niobate nonlinear photonic crystals. Nature Communications, 2019, 10, 4193.	12.8	114
5	Environmentally Adaptive Shape-Morphing Microrobots for Localized Cancer Cell Treatment. ACS Nano, 2021, 15, 18048-18059.	14.6	94
6	Multifunctional ultrathin aluminum foil: oil/water separation and particle filtration. Journal of Materials Chemistry A, 2016, 4, 18832-18840.	10.3	92
7	Nanogap Plasmonic Structures Fabricated by Switchable Capillaryâ€Force Driven Selfâ€Assembly for Localized Sensing of Anticancer Medicines with Microfluidic SERS. Advanced Functional Materials, 2020, 30, 1909467.	14.9	91
8	Conical Hollow Microhelices with Superior Swimming Capabilities for Targeted Cargo Delivery. Advanced Materials, 2019, 31, e1808226.	21.0	89
9	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
10	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
11	Allâ€inâ€One Iontronic Sensing Paper. Advanced Functional Materials, 2019, 29, 1807343.	14.9	85
12	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
13	<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
14	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
15	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
16	Femtosecond Mathieu Beams for Rapid Controllable Fabrication of Complex Microcages and Application in Trapping Microobjects. ACS Nano, 2019, 13, 4667-4676.	14.6	63
17	High Performance Bubble Manipulation on Ferrofluid-Infused Laser-Ablated Microstructured Surfaces. Nano Letters, 2020, 20, 5513-5521.	9.1	63
18	Giant Helical Dichroism of Single Chiral Nanostructures with Photonic Orbital Angular Momentum. ACS Nano, 2021, 15, 2893-2900.	14.6	63

#	Article	IF	CITATIONS
19	Highâ€Performance Unidirectional Manipulation of Microdroplets by Horizontal Vibration on Femtosecond Laserâ€Induced Slant Microwall Arrays. Advanced Materials, 2020, 32, e2005039.	21.0	62
20	Gigantic vortical differential scattering as a monochromatic probe for multiscale chiral structures. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	62
21	Remote Photothermal Actuation of Underwater Bubble toward Arbitrary Direction on Planar Slippery Fe ₃ O ₄ â€Đoped Surfaces. Advanced Functional Materials, 2019, 29, 1904766.	14.9	59
22	Reconfigurable Magnetic Liquid Metal Robot for High-Performance Droplet Manipulation. Nano Letters, 2022, 22, 2923-2933.	9.1	57
23	Localized Selfâ€Growth of Reconfigurable Architectures Induced by a Femtosecond Laser on a Shapeâ€Memory Polymer. Advanced Materials, 2018, 30, e1803072.	21.0	55
24	In Situ Reversible Tuning from Pinned to Roll-Down Superhydrophobic States on a Thermal-Responsive Shape Memory Polymer by a Silver Nanowire Film. ACS Applied Materials & Interfaces, 2020, 12, 13464-13472.	8.0	55
25	Targeted Single ell Therapeutics with Magnetic Tubular Micromotor by One‣tep Exposure of Structured Femtosecond Optical Vortices. Advanced Functional Materials, 2019, 29, 1905745.	14.9	54
26	Noncontact Allâ€Inâ€Situ Reversible Reconfiguration of Femtosecond Laserâ€Induced Shape Memory Magnetic Microcones for Multifunctional Liquid Droplet Manipulation and Information Encryption. Advanced Functional Materials, 2021, 31, 2100543.	14.9	51
27	Three-Dimensional Multifunctional Magnetically Responsive Liquid Manipulator Fabricated by Femtosecond Laser Writing and Soft Transfer. Nano Letters, 2020, 20, 7519-7529.	9.1	50
28	Two-photon polymerization of microstructures by a non-diffraction multifoci pattern generated from a superposed Bessel beam. Optics Letters, 2017, 42, 743.	3.3	49
29	Transparent Lightâ€Driven Hydrogel Actuator Based on Photothermal Marangoni Effect and Buoyancy Flow for Threeâ€Dimensional Motion. Advanced Functional Materials, 2021, 31, 2009386.	14.9	48
30	Capillary Force Driven Self-Assembly of Anisotropic Hierarchical Structures Prepared by Femtosecond Laser 3D Printing and Their Applications in Crystallizing Microparticles. ACS Nano, 2015, 9, 12060-12069.	14.6	47
31	Two-photon polymerization of cylinder microstructures by femtosecond Bessel beams. Applied Physics Letters, 2014, 105, 041110.	3.3	44
32	Chiral Assemblies of Laserâ€Printed Micropillars Directed by Asymmetrical Capillary Force. Advanced Materials, 2020, 32, e2002356.	21.0	42
33	Quasi-phase-matching-division multiplexing holography in a three-dimensional nonlinear photonic crystal. Light: Science and Applications, 2021, 10, 146.	16.6	42
34	A Biocompatible Vibrationâ€Actuated Omniâ€Droplets Rectifier with Large Volume Range Fabricated by Femtosecond Laser. Advanced Materials, 2022, 34, e2108567.	21.0	40
35	Efficient full-path optical calculation of scalar and vector diffraction using the Bluestein method. Light: Science and Applications, 2020, 9, 119.	16.6	38
36	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

#	Article	IF	CITATIONS
37	Unidirectional Transport and Effective Collection of Underwater CO ₂ Bubbles Utilizing Ultrafast-Laser-Ablated Janus Foam. ACS Applied Materials & Interfaces, 2020, 12, 18110-18115.	8.0	34
38	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
39	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
40	Reversible Tuning between Isotropic and Anisotropic Sliding by One-Direction Mechanical Stretching on Microgrooved Slippery Surfaces. Langmuir, 2019, 35, 10625-10630.	3.5	31
41	Uniaxial Stretching of Cell-Laden Microfibers for Promoting C2C12 Myoblasts Alignment and Myofibers Formation. ACS Applied Materials & Interfaces, 2020, 12, 2162-2170.	8.0	31
42	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
43	<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
44	Mechanical-Tunable Capillary-Force-Driven Self-Assembled Hierarchical Structures on Soft Substrate. ACS Nano, 2018, 12, 10142-10150.	14.6	29
45	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
46	Handwriting Iontronic Pressure Sensing Origami. ACS Applied Materials & Interfaces, 2019, 11, 46157-46164.	8.0	27
47	Ultrathin and High-Stress-Resolution Liquid-Metal-Based Pressure Sensors with Simple Device Structures. ACS Applied Materials & amp; Interfaces, 2020, 12, 55390-55398.	8.0	27
48	Dimension ontrollable Microtube Arrays by Dynamic Holographic Processing as 3D Yeast Culture Scaffolds for Asymmetrical Growth Regulation. Small, 2017, 13, 1701190.	10.0	26
49	Droplet digital PCR enabled by microfluidic impact printing for absolute gene quantification. Talanta, 2020, 211, 120680.	5.5	25
50	Multifurcate Assembly of Slanted Micropillars Fabricated by Superposition of Optical Vortices and Application in Highâ€Efficiency Trapping Microparticles. Advanced Functional Materials, 2017, 27, 1701939.	14.9	24
51	Femtosecond Laser Regulated Ultrafast Growth of Mushroom-Like Architecture for Oil Repellency and Manipulation. Nano Letters, 2021, 21, 9301-9309.	9.1	22
52	Bridged Bowtie Aperture Antenna for Producing an Electromagnetic Hot Spot. ACS Photonics, 2017, 4, 567-575.	6.6	21
53	Generation of colorful Airy beams and Airy imaging of letters via two-photon processed cubic phase plates. Optics Letters, 2018, 43, 1151.	3.3	21
54	Hemoglobin-Laden Microcapsules for Simulating Oxygen Dynamics of Biological Tissue. ACS Biomaterials Science and Engineering, 2018, 4, 3177-3184.	5.2	20

#	Article	IF	CITATIONS
55	Three-level cobblestone-like TiO2 micro/nanocones for dual-responsive water/oil reversible wetting without fluorination. Applied Physics Letters, 2017, 111, .	3.3	18
56	Continuous cubic phase microplates for generating high-quality Airy beams with strong deflection. Optics Letters, 2017, 42, 2483.	3.3	18
57	High-aspect-ratio microtubes with variable diameter and uniform wall thickness by compressing Bessel hologram phase depth. Optics Letters, 2018, 43, 3514.	3.3	18
58	Spontaneous and unidirectional transportation of underwater bubbles on superhydrophobic dual rails. Applied Physics Letters, 2020, 116, .	3.3	18
59	Robust Underwater Air Layer Retention and Restoration on <i>Salvinia</i> -Inspired Self-Grown Heterogeneous Architectures. ACS Nano, 2022, 16, 2730-2740.	14.6	18
60	Piezoelectric-driven droplet impact printing with an interchangeable microfluidic cartridge. Biomicrofluidics, 2015, 9, 054101.	2.4	17
61	Microtubes with Complex Cross Section Fabricated by C-Shaped Bessel Laser Beam for Mimicking Stomata That Opens and Closes Rapidly. ACS Applied Materials & Interfaces, 2018, 10, 36369-36376.	8.0	17
62	Channel-controlled Janus membrane fabricated by simultaneous laser ablation and nanoparticles deposition for underwater bubbles manipulation. Applied Physics Letters, 2019, 114, .	3.3	17
63	Rapid Fabrication of 3D Chiral Microstructures by Single Exposure of Interfered Femtosecond Vortex Beams and Capillaryâ€Forceâ€Assisted Selfâ€Assembly. Advanced Functional Materials, 2022, 32, 2106917.	14.9	17
64	Functional Shape-Morphing Microarchitectures Fabricated by Dynamic Holographically Shifted Femtosecond Multifoci. Nano Letters, 2022, 22, 5277-5286.	9.1	16
65	Light-driven Locomotion of Underwater Bubbles on Ultrarobust Paraffin-impregnated Laser-ablated Fe ₃ O ₄ -doped Slippery Surfaces. ACS Applied Materials & Interfaces, 2021, 13, 9272-9280.	8.0	15
66	Tunable microfluidic device fabricated by femtosecond structured light for particle and cell manipulation. Lab on A Chip, 2019, 19, 3988-3996.	6.0	14
67	Guiding the Patterned Growth of Neuronal Axons and Dendrites Using Anisotropic Micropillar Scaffolds. Advanced Healthcare Materials, 2021, 10, e2100094.	7.6	10
68	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
69	Sustaining Robust Cavities with Slippery Liquid–Liquid Interfaces. Advanced Science, 2022, 9, e2103568.	11.2	8
70	Tailoring Optical Vortical Dichroism with Stereometamaterials. Laser and Photonics Reviews, 2022, 16,	8.7	8
71	Femtosecond Laser-Assisted Top-Restricted Self-Growth Re-Entrant Structures on Shape Memory Polymer for Dynamic Pressure Resistance. Langmuir, 2020, 36, 12346-12356.	3.5	7
72	On-Demand Maneuvering of Diverse Prodrug Liquids on a Light-Responsive Candle-Soot-Hybridized Lubricant-Infused Slippery Surface for Highly Effective Toxicity Screening. ACS Applied Materials & Interfaces, 2022, 14, 31667-31676.	8.0	6

#	Article	IF	CITATIONS
73	Kirigami Structures of Shape Memory Polymer by Femtosecond Laser Scribing and Constrained Heating. Advanced Materials Technologies, 2021, 6, 2100200.	5.8	4
74	Direct Generation of Airy Beams at Designed Fourier Planes Using Integrated Airy Phase Plates. IEEE Photonics Technology Letters, 2021, 33, 595-598.	2.5	4
75	Anisotropic Sliding Behaviors of Gas Bubbles upon Ferrofluidâ€Infused Orthonormal Tracks (FOTs) Under Magnetic Stimuli. Advanced Materials Interfaces, 2022, 9, .	3.7	4
76	4D Printing: Botanicalâ€Inspired 4D Printing of Hydrogel at the Microscale (Adv. Funct. Mater. 4/2020). Advanced Functional Materials, 2020, 30, 2070026.	14.9	2
77	Reply to Comments on "Efficient full-path optical calculation of scalar and vector diffraction using the Bluestein methodâ€. Light: Science and Applications, 2021, 10, 13.	16.6	2
78	Femtosecond laser direct writing continuous phase vortex gratings with proportionally distributed diffraction energy. Applied Physics Letters, 2021, 119, .	3.3	1
79	Chiral Microstructures: Chiral Assemblies of Laserâ€Printed Micropillars Directed by Asymmetrical Capillary Force (Adv. Mater. 31/2020). Advanced Materials, 2020, 32, 2070236.	21.0	0