

Andong Wang

List of Publications by Year in descending order

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35
papers

1,129
citations

566801

15
h-index

454577

30
g-index

35
all docs

35
docs citations

35
times ranked

1185
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrons dynamics control by shaping femtosecond laser pulses in micro/nanofabrication: modeling, method, measurement and application. Light: Science and Applications, 2018, 7, 17134-17134.	7.7	292
2	Preparation of Monolayer MoS2 Quantum Dots using Temporally Shaped Femtosecond Laser Ablation of Bulk MoS2 Targets in Water. Scientific Reports, 2017, 7, 11182.	1.6	167
3	Mask-Free Patterning of High-Conductivity Metal Nanowires in Open Air by Spatially Modulated Femtosecond Laser Pulses. Advanced Materials, 2015, 27, 6238-6243.	11.1	73
4	High-throughput microchannel fabrication in fused silica by temporally shaped femtosecond laser Bessel-beam-assisted chemical etching. Optics Letters, 2018, 43, 98.	1.7	72
5	Low-adhesive superhydrophobic surface-enhanced Raman spectroscopy substrate fabricated by femtosecond laser ablation for ultratrace molecular detection. Journal of Materials Chemistry B, 2017, 5, 777-784.	2.9	63
6	Optical Field Enhancement in Au Nanoparticle-Decorated Nanorod Arrays Prepared by Femtosecond Laser and Their Tunable Surface-Enhanced Raman Scattering Applications. ACS Applied Materials & Interfaces, 2018, 10, 1297-1305.	4.0	55
7	Cylindrically Focused Nonablative Femtosecond Laser Processing of Long-Range Uniform Periodic Surface Structures with Tunable Diffraction Efficiency. Advanced Optical Materials, 2019, 7, 1900706.	3.6	47
8	Fabrication of highly homogeneous and controllable nanogratings on silicon via chemical etching-assisted femtosecond laser modification. Nanophotonics, 2019, 8, 869-878.	2.9	47
9	High-performance 3D CuO/Cu flowers supercapacitor electrodes by femtosecond laser enhanced electrochemical anodization. Electrochimica Acta, 2019, 293, 273-282.	2.6	37
10	Non-diffraction-length, tunable, Bessel-like beams generation by spatially shaping a femtosecond laser beam for high-aspect-ratio micro-hole drilling. Optics Express, 2018, 26, 21960.	1.7	29
11	Ultrafast Laser Writing Deep inside Silicon with THz-Repetition-Rate Trains of Pulses. Research, 2020, 2020, 8149764.	2.8	28
12	Pulse-duration dependence of laser-induced modifications inside silicon. Optics Express, 2020, 28, 26623.	1.7	24
13	Femtosecond laser-induced cross-periodic structures on a crystalline silicon surface under low pulse number irradiation. Applied Surface Science, 2015, 326, 216-221.	3.1	20
14	Deep Silicon Amorphization Induced by Femtosecond Laser Pulses up to the Mid-Infrared. Advanced Optical Materials, 2021, 9, 2100400.	3.6	20
15	Temporal-contrast imperfections as drivers for ultrafast laser modifications in bulk silicon. Physical Review Research, 2020, 2, .	1.3	16
16	Fabrication of microlenses with continuously variable numerical aperture through a temporally shaped femtosecond laser. Optics Express, 2021, 29, 4596.	1.7	15
17	A dual-functional surface with hierarchical micro/nanostructure arrays for self-cleaning and antireflection. RSC Advances, 2017, 7, 49649-49654.	1.7	14
18	Controllable Si (100) micro/nanostructures by chemical-etching-assisted femtosecond laser single-pulse irradiation. Applied Physics Letters, 2017, 110, .	1.5	13

#	ARTICLE	IF	CITATIONS
19	Nanoscale material redistribution induced by spatially modulated femtosecond laser pulses for flexible high-efficiency surface patterning. <i>Optics Express</i> , 2017, 25, 31431.	1.7	12
20	Creating a three-dimensional surface with antireflective properties by using femtosecond-laser Bessel-beam-assisted thermal oxidation. <i>Optics Letters</i> , 2020, 45, 2989.	1.7	12
21	Flexible Gray-Scale Surface Patterning Through Spatiotemporal-Interference-Based Femtosecond Laser Shaping. <i>Advanced Optical Materials</i> , 2018, 6, 1801021.	3.6	9
22	Functionalization of freeform curved surfaces by shaped femtosecond laser pulses in the propagation axis. <i>Optics Express</i> , 2021, 29, 5487.	1.7	9
23	Three-dimensional luminescence microscopy for quantitative plasma characterization in bulk semiconductors. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	9
24	Flash Ablation of Tunable and Deep-Subwavelength Nanogap by Using a Spatially Modulated Femtosecond Laser Pulse for Plasmonic Application. <i>ACS Applied Nano Materials</i> , 2019, 2, 4933-4941.	2.4	8
25	Chemical etching mechanisms and crater morphologies pre-irradiated by temporally decreasing pulse trains of femtosecond laser. <i>Applied Surface Science</i> , 2019, 469, 44-49.	3.1	8
26	Highly sensitive and homogeneous SERS substrate fabricated by a femtosecond laser combined with dewetting. <i>Chinese Optics Letters</i> , 2015, 13, 111401-111404.	1.3	8
27	High-efficiency fabrication of computer-generated holograms in silica glass using a femtosecond Bessel beam. <i>Optics and Laser Technology</i> , 2021, 135, 106729.	2.2	7
28	Simple and robust generation of ultrafast laser pulse trains using polarization-independent parallel-aligned thin films. <i>Optics and Laser Technology</i> , 2018, 101, 298-303.	2.2	6
29	Ultrafast laser stabilization by nonlinear absorption for enhanced-precision material processing. <i>Optics Letters</i> , 2022, 47, 993.	1.7	5
30	Fabrication of flexible transparent Ag square-shaped mesh electrode by top-flat nanosecond laser ablation. <i>Optics Letters</i> , 2020, 45, 901.	1.7	4
31	Ameliorated GA approach for base station planning. , 2011, , .		0
32	Three-dimensional laser writing inside silicon using THz-repetition-rate trains of ultrashort pulses. <i>EPJ Web of Conferences</i> , 2020, 238, 12014.	0.1	0
33	Internal structuring of silicon with multi-timescale irradiations. , 2021, , .		0
34	Pulse Duration and Temporal Contrast as Critical Parameters for Internal Structuring of Silicon. , 2021, , .		0
35	Monitoring Ultrafast Laser Micro-Excitation and Modification Deep inside GaAs. , 2021, , .		0