

Xin Ye

List of Publications by Year in descending order

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papers

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897
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-Band Plasmonic Perfect Absorber Based on Graphene Metamaterials for Refractive Index Sensing Application. <i>Micromachines</i> , 2019, 10, 443.	2.9	89
2	Tunable Graphene-based Plasmonic Perfect Metamaterial Absorber in the THz Region. <i>Micromachines</i> , 2019, 10, 194.	2.9	70
3	A Tunable Plasmonic Refractive Index Sensor with Nanoring-Strip Graphene Arrays. <i>Sensors</i> , 2018, 18, 4489.	3.8	62
4	Ordered array of Ag semishells on different diameter monolayer polystyrene colloidal crystals: An ultrasensitive and reproducible SERS substrate. <i>Scientific Reports</i> , 2016, 6, 32314.	3.3	54
5	Formation of broadband antireflective and superhydrophilic subwavelength structures on fused silica using one-step self-masking reactive ion etching. <i>Scientific Reports</i> , 2015, 5, 13023.	3.3	52
6	Plasmonic Absorption Enhancement in Elliptical Graphene Arrays. <i>Nanomaterials</i> , 2018, 8, 175.	4.1	47
7	Advanced Mitigation Process (AMP) for Improving Laser Damage Threshold of Fused Silica Optics. <i>Scientific Reports</i> , 2016, 6, 31111.	3.3	37
8	Nanostrip-Induced High Tunability Multipolar Fano Resonances in a Au Ring-Strip Nanosystem. <i>Nanomaterials</i> , 2018, 8, 568.	4.1	32
9	Plasma-Induced, Self-Masking, One-Step Approach to an Ultrabroadband Antireflective and Superhydrophilic Subwavelength Nanostructured Fused Silica Surface. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13851-13859.	8.0	31
10	Monolayer Colloidal Crystals by Modified Air-Water Interface Self-Assembly Approach. <i>Nanomaterials</i> , 2017, 7, 291.	4.1	30
11	Ultra-Broadband High-Efficiency Solar Absorber Based on Double-Size Cross-Shaped Refractory Metals. <i>Nanomaterials</i> , 2020, 10, 552.	4.1	30
12	High power laser antireflection subwavelength grating on fused silica by colloidal lithography. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 265104.	2.8	28
13	Dipole, Quadrupole, and Octupole Plasmon Resonance Modes in Ag Nanoring Structure: Local Field Enhancement in the Visible and Near Infrared Regions. <i>Plasmonics</i> , 2016, 11, 37-44.	3.4	26
14	Mesoporous gold sponges: electric charge-assisted seed mediated synthesis and application as surface-enhanced Raman scattering substrates. <i>Scientific Reports</i> , 2015, 5, 16137.	3.3	20
15	Initial Damage and Damage Growth of KDP Crystals Induced by 355 nm Pulse Laser. <i>Crystal Research and Technology</i> , 2018, 53, 1700269.	1.3	20
16	Surface-Plasmon-Enhanced Band Emission and Enhanced Photocatalytic Activity of Au Nanoparticles-Decorated ZnO Nanorods. <i>Plasmonics</i> , 2015, 10, 1373-1380.	3.4	19
17	Non-destructive evaluation of UV pulse laser-induced damage performance of fused silica optics. <i>Scientific Reports</i> , 2017, 7, 16239.	3.3	18
18	Fabrication of Antireflective Nanostructures on a Transmission Grating Surface Using a One-Step Self-Masking Method. <i>Nanomaterials</i> , 2019, 9, 180.	4.1	17

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19	Design of high-efficiency all-dielectric polymer meta-surfaces beam deflection blazed grating. Results in Physics, 2020, 17, 103094.	4.1	16
20	Broadband Antireflection Subwavelength Structures on Fused Silica Using Lower Temperatures Normal Atmosphere Thermal Dewetted Au Nanopatterns. IEEE Photonics Journal, 2016, 8, 1-10.	2.0	13
21	Straightforward Approach to Antifogging, Antireflective, Dual-Function, Nanostructured Coatings. Langmuir, 2019, 35, 11351-11357.	3.5	12
22	High-Efficiency Metasurfaces with 2 π Phase Control Based on Aperiodic Dielectric Nanoarrays. Nanomaterials, 2020, 10, 250.	4.1	11
23	Statistically Correlating Laser-Induced Damage Performance with Photothermal Absorption for Fused Silica Optics in a High-Power Laser System. Photonics, 2022, 9, 137.	2.0	10
24	Nanodisk-Induced Modification of Plasmon Coupling and Appearance of Fano Resonance Without Symmetry Breaking in Concentric Ag Nanoring-Nanodisk. Plasmonics, 2017, 12, 889-898.	3.4	9
25	Laser-Induced Point Defects in Fused Silica Irradiated by UV Laser in Vacuum. Advances in Condensed Matter Physics, 2014, 2014, 1-7.	1.1	7
26	Convenient and Efficient Fabrication of Colloidal Crystals Based on Solidification-Induced Colloidal Assembly. Nanomaterials, 2019, 9, 575.	4.1	6
27	Quadratic Meta-Reflectors Made of HfO ₂ Nanopillars with a Large Field of View at Infrared Wavelengths. Nanomaterials, 2020, 10, 1148.	4.1	6
28	Ordered Hexagonal Nanoplasmonic Au Nanoparticle Arrays: AAO-Assisted Thermal Treatment Synthesis and Application as Surface-Enhanced Raman Scattering Substrates. Plasmonics, 2017, 12, 2013-2020.	3.4	4
29	Ultraviolet Laser Damage Dependence on Contamination Concentration in Fused Silica Optics during Reactive Ion Etching Process. Materials, 2018, 11, 577.	2.9	4
30	Laser field manipulation and laser damage resistance property of nanotextures on fused silica optics. Results in Physics, 2020, 18, 103262.	4.1	4
31	Towards Investigating Surface Quality of Single-Crystal Silicon Optics Polished with Different Processes. Coatings, 2022, 12, 158.	2.6	4
32	Theoretical and Experimental Research on Laser-Induced Damage of Fused Silica Optics Due to Stimulated Brillouin Scattering. IEEE Photonics Journal, 2018, 10, 1-15.	2.0	3
33	Meta-Deflectors Made of Dielectric Nanohole Arrays with Anti-Damage Potential. Photonics, 2021, 8, 107.	2.0	3
34	Ultra-Low-Reflective, Self-Cleaning Surface by Fabrication Dual-Scale Hierarchical Optical Structures on Silicon. Coatings, 2021, 11, 1541.	2.6	3
35	Modulating absorption band of triangular silver nanoplates in aqueous solvent and on substrates using tannin as reducing agent. Journal of Central South University, 2011, 18, 1365-1370.	3.0	2
36	Effect of radio frequency power on nano-metal induced self-masking subwavelength structures mechanism. Results in Physics, 2020, 16, 103155.	4.1	2

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37	Reflective Meta-Films with Anti-Damage Property via Field Distribution Manipulation. <i>Coatings</i> , 2021, 11, 640.	2.6	2
38	Effect of CHF ₃ /Ar Gas Flow Ratio on Self-masking Subwavelength Structures Prepared on Fused Silica Surface. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018, 33, 349-355.	1.0	0
39	Theoretical Comparison of Optothermal Absorption in Transmissive Metalenses Composed of Nanobricks and Nanoholes. <i>Photonics</i> , 2022, 9, 39.	2.0	0