

# Xin Ye

## List of Publications by Year in descending order

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39  
papers

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#	ARTICLE	IF	CITATIONS
1	Theoretical Comparison of Optothermal Absorption in Transmissive Metalenses Composed of Nanobricks and Nanoholes. <i>Photonics</i> , 2022, 9, 39.	2.0	0
2	Towards Investigating Surface Quality of Single-Crystal Silicon Optics Polished with Different Processes. <i>Coatings</i> , 2022, 12, 158.	2.6	4
3	Statistically Correlating Laser-Induced Damage Performance with Photothermal Absorption for Fused Silica Optics in a High-Power Laser System. <i>Photonics</i> , 2022, 9, 137.	2.0	10
4	Meta-Deflectors Made of Dielectric Nanohole Arrays with Anti-Damage Potential. <i>Photonics</i> , 2021, 8, 107.	2.0	3
5	Reflective Meta-Films with Anti-Damage Property via Field Distribution Manipulation. <i>Coatings</i> , 2021, 11, 640.	2.6	2
6	Ultra-Low-Reflective, Self-Cleaning Surface by Fabrication Dual-Scale Hierarchical Optical Structures on Silicon. <i>Coatings</i> , 2021, 11, 1541.	2.6	3
7	Effect of radio frequency power on nano-metal induced self-masking subwavelength structures mechanism. <i>Results in Physics</i> , 2020, 16, 103155.	4.1	2
8	Laser field manipulation and laser damage resistance property of nanotextures on fused silica optics. <i>Results in Physics</i> , 2020, 18, 103262.	4.1	4
9	Quadratic Meta-Reflectors Made of HfO <sub>2</sub> Nanopillars with a Large Field of View at Infrared Wavelengths. <i>Nanomaterials</i> , 2020, 10, 1148.	4.1	6
10	Ultra-Broadband High-Efficiency Solar Absorber Based on Double-Size Cross-Shaped Refractory Metals. <i>Nanomaterials</i> , 2020, 10, 552.	4.1	30
11	High-Efficiency Metasurfaces with 2 $\pi$ Phase Control Based on Aperiodic Dielectric Nanoarrays. <i>Nanomaterials</i> , 2020, 10, 250.	4.1	11
12	Design of high-efficiency all-dielectric polymer meta-surfaces beam deflection blazed grating. <i>Results in Physics</i> , 2020, 17, 103094.	4.1	16
13	Straightforward Approach to Antifogging, Antireflective, Dual-Function, Nanostructured Coatings. <i>Langmuir</i> , 2019, 35, 11351-11357.	3.5	12
14	Dual-Band Plasmonic Perfect Absorber Based on Graphene Metamaterials for Refractive Index Sensing Application. <i>Micromachines</i> , 2019, 10, 443.	2.9	89
15	Convenient and Efficient Fabrication of Colloidal Crystals Based on Solidification-Induced Colloidal Assembly. <i>Nanomaterials</i> , 2019, 9, 575.	4.1	6
16	Tunable Graphene-based Plasmonic Perfect Metamaterial Absorber in the THz Region. <i>Micromachines</i> , 2019, 10, 194.	2.9	70
17	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
18	Plasma-Induced, Self-Masking, One-Step Approach to an Ultrabroadband Antireflective and Superhydrophilic Subwavelength Nanostructured Fused Silica Surface. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 13851-13859.	8.0	31

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19	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
20	Ultraviolet Laser Damage Dependence on Contamination Concentration in Fused Silica Optics during Reactive Ion Etching Process. <i>Materials</i> , 2018, 11, 577.	2.9	4
21	A Tunable Plasmonic Refractive Index Sensor with Nanoring-Strip Graphene Arrays. <i>Sensors</i> , 2018, 18, 4489.	3.8	62
22	Nanostrip-Induced High Tunability Multipolar Fano Resonances in a Au Ring-Strip Nanosystem. <i>Nanomaterials</i> , 2018, 8, 568.	4.1	32
23	Theoretical and Experimental Research on Laser-Induced Damage of Fused Silica Optics Due to Stimulated Brillouin Scattering. <i>IEEE Photonics Journal</i> , 2018, 10, 1-15.	2.0	3
24	Effect of CHF <sub>3</sub> /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
25	Plasmonic Absorption Enhancement in Elliptical Graphene Arrays. <i>Nanomaterials</i> , 2018, 8, 175.	4.1	47
26	Ordered Hexagonal Nanoplasmonic Au Nanoparticle Arrays: AAO-Assisted Thermal Treatment Synthesis and Application as Surface-Enhanced Raman Scattering Substrates. <i>Plasmonics</i> , 2017, 12, 2013-2020.	3.4	4
27	Non-destructive evaluation of UV pulse laser-induced damage performance of fused silica optics. <i>Scientific Reports</i> , 2017, 7, 16239.	3.3	18
28	Nanodisk-Induced Modification of Plasmon Coupling and Appearance of Fano Resonance Without Symmetry Breaking in Concentric Ag Nanoring-Nanodisk. <i>Plasmonics</i> , 2017, 12, 889-898.	3.4	9
29	Monolayer Colloidal Crystals by Modified Air-Water Interface Self-Assembly Approach. <i>Nanomaterials</i> , 2017, 7, 291.	4.1	30
30	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
31	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
32	Advanced Mitigation Process (AMP) for Improving Laser Damage Threshold of Fused Silica Optics. <i>Scientific Reports</i> , 2016, 6, 31111.	3.3	37
33	Broadband Antireflection Subwavelength Structures on Fused Silica Using Lower Temperatures Normal Atmosphere Thermal Dewetted Au Nanopatterns. <i>IEEE Photonics Journal</i> , 2016, 8, 1-10.	2.0	13
34	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
35	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
36	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

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37	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
38	Laser-Induced Point Defects in Fused Silica Irradiated by UV Laser in Vacuum. <i>Advances in Condensed Matter Physics</i> , 2014, 2014, 1-7.	1.1	7
39	Modulating absorption band of triangular silver nanoplates in aqueous solvent and on substrates using tannin as reducing agent. <i>Journal of Central South University</i> , 2011, 18, 1365-1370.	3.0	2