

# Changshun Wang

## List of Publications by Year in descending order

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68  
papers

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687363

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times ranked

755  
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#	ARTICLE	IF	CITATIONS
1	Regulating Optical Activity and Anisotropic Second-Harmonic Generation in Zero-Dimensional Hybrid Copper Halides. <i>Nano Letters</i> , 2022, 22, 846-852.	9.1	44
2	Geometric-phase-based shearing interferometry for broadband vortex state decoding. <i>Scientific Reports</i> , 2022, 12, 3015.	3.3	0
3	All-Optical Polarization Manipulation Through Orbital Polarization Holography. <i>Frontiers in Physics</i> , 2022, 10, .	2.1	0
4	Multi-functional two-dimensional holographic grating based on silver pattern coated by azopolymer. <i>Optics and Laser Technology</i> , 2021, 134, 106614.	4.6	2
5	Nonlinearity-induced asymmetric diffraction in a hybrid A/B structure with two azo-containing materials. <i>Applied Physics Letters</i> , 2021, 118, 011108.	3.3	3
6	Giant Optical Activity and Second Harmonic Generation in 2D Hybrid Copper Halides. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8441-8445.	13.8	57
7	Giant Optical Activity and Second Harmonic Generation in 2D Hybrid Copper Halides. <i>Angewandte Chemie</i> , 2021, 133, 8522-8526.	2.0	7
8	Highly Sensitive and Rapid Surface Enhanced Raman Spectroscopic (SERS) Determination of Thiram on the Epidermis of Fruits and Vegetables Using A Silver Nanoparticle-Modified Fibrous Swab. <i>Analytical Letters</i> , 2020, 53, 973-983.	1.8	12
9	Periodic oscillation of the optical transmittance in azo dye-doped liquid crystals between two crossed polarizers. <i>Optics Communications</i> , 2020, 461, 125225.	2.1	4
10	Enhanced trans $\rightarrow$ cis photoisomerization quantum yield of azobenzene spatially confined in silver nanoparticle aggregates. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 756-763.	2.5	5
11	All-optically phase-induced polarization modulation by means of holographic method. <i>Scientific Reports</i> , 2020, 10, 5657.	3.3	3
12	All-optically controlled beam splitting through asymmetric polarization-based holography. <i>Optics Letters</i> , 2019, 44, 2129.	3.3	2
13	Design of autostereoscopic 3D display with full resolution by means of polarization gratings. <i>Journal of Physics Communications</i> , 2018, 2, 015019.	1.2	0
14	Dynamical thermo-optical switching based on nematic liquid crystals doped with push $\rightarrow$ pull azobenzene dyes. <i>Optics Communications</i> , 2018, 419, 71-74.	2.1	10
15	Polarization modulation by means of tunable polarization gratings in an azobenzene side-chain liquid-crystalline polymer film. <i>Applied Optics</i> , 2018, 57, 3146.	1.8	2
16	Transient holographic grating in azo-dye-doped liquid crystals with off-resonant light. <i>Liquid Crystals</i> , 2017, 44, 933-938.	2.2	4
17	Enhanced diffraction properties of photoinduced gratings in nematic liquid crystals doped with Disperse Red 1. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2016, 92, 330-335.	3.8	8
18	Off-resonant nonlinear optical refraction properties of azo dye doped nematic liquid crystals. <i>Optical Materials Express</i> , 2016, 6, 459.	3.0	8

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19	Polarization modulation of two-photon excited fluorescence in a V-shaped dipicolinate-triphenylamine compound. <i>Applied Optics</i> , 2015, 54, 9167.	2.1	0
20	Third-order nonlinear optical properties of fluoro-containing polyimides embedded with H-shaped chromophores. <i>Optical Engineering</i> , 2015, 54, 057101.	1.0	1
21	Polarization-controlled images based on double-exposure polarization holography in an azobenzene liquid-crystalline polymer. <i>Applied Optics</i> , 2015, 54, 53.	1.8	6
22	Polarization holographic gratings in an azobenzene copolymer with linear and circular photoinduced birefringence. <i>Optics Communications</i> , 2015, 338, 461-466.	2.1	9
23	Diffraction waveplates based on polarization holography. , 2014, , .		0
24	Effect of electron acceptor type on nonlinear optical absorption properties in the chiral polymers based on polybinaphthyls. <i>Materials Chemistry and Physics</i> , 2014, 145, 446-449.	4.0	0
25	Third-order nonlinear optical properties of an azobenzene-containing ionic liquid crystalline polymer. <i>Optical and Quantum Electronics</i> , 2014, 46, 1491-1498.	3.3	8
26	Optical nonlinearity and photoinduced anisotropy of an azobenzene-containing ionic liquid crystalline polymer. <i>Journal of Applied Polymer Science</i> , 2013, 130, 406-410.	2.6	7
27	Ultrafast third-order nonlinear optical properties of an azobenzene-containing ionic liquid crystalline polymer. <i>Chemical Physics Letters</i> , 2013, 558, 100-103.	2.6	4
28	Polarization-induced fluorescence modulation in a self-assembled coordination cage-shaped complex. <i>Applied Optics</i> , 2013, 52, 7132.	1.8	0
29	Two-photon induced excited-state absorption and optical limiting properties in a chiral polymer. <i>Applied Physics Letters</i> , 2013, 102, 043308.	3.3	20
30	Femtosecond third-order optical nonlinearity of an azobenzene-containing ionic liquid crystalline polymer. <i>Optics Express</i> , 2012, 20, 26845.	3.4	8
31	Large inverse relaxation of photoinduced birefringence in an azobenzene-containing ionic self-assembly complex. <i>Optics Communications</i> , 2012, 285, 4180-4183.	2.1	8
32	Nonlinear optical properties of a series of azobenzene liquid-crystalline materials. <i>Optik</i> , 2012, 123, 26-29.	2.9	12
33	Fluorescence upconversion properties of a chiral polybinaphthyl induced by two-photon absorption. <i>Journal of Applied Polymer Science</i> , 2012, 124, 2867-2870.	2.6	2
34	Polarization-induced control of two-photon excited fluorescence in a chiral polybinaphthyl. <i>Optics Letters</i> , 2011, 36, 2982.	3.3	6
35	Nonlinear optical response of liquid crystalline azo-dendrimer in picosecond and CW regimes. <i>Journal of Applied Polymer Science</i> , 2011, 120, 3065-3070.	2.6	6
36	Enhancement of two-photon absorption and photoinduced birefringence in methyl orange by Au nanoparticles. <i>Optics and Laser Technology</i> , 2011, 43, 974-977.	4.6	11

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37	Nonlinear optical properties of an azo-based dye irradiated by picosecond and nanosecond laser pulses. <i>Physica B: Condensed Matter</i> , 2011, 406, 488-493.	2.7	11
38	Nonlinear optical properties and photoinduced anisotropy of an azobenzene ionic liquidâ€“crystalline polymer. <i>Optics Communications</i> , 2010, 283, 146-150.	2.1	6
39	Design and synthesis of a novel polymer with a large macroscopic second harmonic generation coefficient based on quantum chemical calculations. <i>Materials Chemistry and Physics</i> , 2010, 120, 302-306.	4.0	4
40	Synchrotron-radiation-stimulated etching of polydimethylsiloxane using XeF <sub>2</sub> as a reaction gas. <i>Journal of Synchrotron Radiation</i> , 2010, 17, 69-74.	2.4	2
41	NONLINEAR REFRACTION AND PHOTOINDUCED BIREFRINGENCE IN THE METHYL-RED-DOPED POLYMER THIN FILM. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2010, 19, 437-444.	1.8	4
42	Nonlinear-Optical and Fluorescent Properties of Ag Aqueous Colloid Prepared by Silver Nitrate Reduction. <i>Journal of Nanomaterials</i> , 2010, 2010, 1-7.	2.7	7
43	The PDMS-based microfluidic channel fabricated by synchrotron radiation stimulated etching. <i>Optics Express</i> , 2010, 18, 9733.	3.4	6
44	Nonlinear absorption in an azo-containing ion liquid crystal polymer in the different excitation regimes. <i>Synthetic Metals</i> , 2010, 160, 1896-1901.	3.9	7
45	Nonlinear optical response of Au and Ag nanoparticles doped polyvinylpyrrolidone thin films. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 592-595.	2.1	34
46	The nonlinear optical property and photoinduced anisotropy of a novel azobenzene-containing fluorinated polyimide. <i>Applied Physics B: Lasers and Optics</i> , 2009, 94, 653-659.	2.2	19
47	Photoinduced anisotropy in an azo-containing ionic liquidâ€“crystalline polymer. <i>Optics Communications</i> , 2009, 282, 763-768.	2.1	44
48	The nonlinear optical properties and photoinduced anisotropy of a novel stilbene-containing fluorinated polyimide. <i>Dyes and Pigments</i> , 2009, 82, 47-52.	3.7	8
49	Photoinduced anisotropy and polarization holography in a stilbene-containing fluorinated polyimide. <i>Optics Letters</i> , 2009, 34, 665.	3.3	13
50	Area-Selective Depositions of Self-assembled Monolayers on Patterned SiO <sub>2</sub> /Si Surfaces. , 2009, , 399-421.		1
51	The study on the nonlinear optical response of Sudan I. <i>Optics Communications</i> , 2008, 281, 4121-4125.	2.1	31
52	Nonlinear refraction and photoinduced birefringence in chlorophosphonazo I doped polymer thin films. <i>Physica B: Condensed Matter</i> , 2008, 403, 2991-2995.	2.7	5
53	Image storage based on circular-polarization holography in an azobenzene side-chain liquid-crystalline polymer. <i>Applied Optics</i> , 2008, 47, 93.	2.1	31
54	Study on the nonlinear optical properties of three azo dyes by Z-scan measurements. <i>Journal of Modern Optics</i> , 2008, 55, 3013-3020.	1.3	13

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55	A STUDY ON THE SECOND-ORDER NONLINEAR OPTICAL PROPERTIES OF AZO-DYE CHROMOPHORES CONTAINING THE ELECTRON-ACCEPTOR GROUP. <i>Modern Physics Letters B</i> , 2008, 22, 1633-1640.	1.9	1
56	Third-order optical nonlinearity of azobenzene side-chain polymer thin film. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 2166-2171.	1.5	1
57	Synchrotron-radiation-stimulated etching of SiO <sub>2</sub> thin films with a tungsten nano-pillar mask. <i>Journal of Synchrotron Radiation</i> , 2006, 13, 432-434.	2.4	2
58	Area-selective deposition of self-assembled monolayers on SiO <sub>2</sub> /Si(100) patterns. <i>Applied Physics Letters</i> , 2006, 89, 233105.	3.3	6
59	Synchrotron radiation stimulated etching SiO <sub>2</sub> thin films with a contact micropattern mask. , 2005, 5645, 248.		0
60	Synchrotron radiation stimulated etching SiO <sub>2</sub> thin films with a contact cobalt mask. <i>Applied Surface Science</i> , 2005, 242, 276-280.	6.1	5
61	Synchrotron Radiation Stimulated Etching of SiO <sub>2</sub> Thin Films with a Co Contact Mask for the Area-Selective Deposition of Self-Assembled Monolayer. <i>Japanese Journal of Applied Physics</i> , 2003, 42, 4016-4019.	1.5	14
62	Patterning SiO <sub>2</sub> thin films using synchrotron radiation stimulated etching with a Co contact mask. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2003, 21, 818.	1.6	4
63	Influence of Substrate Roughness on the Formation of Aliphatic Self-Assembled Monolayers (SAMs) on Silicon(100). <i>Japanese Journal of Applied Physics</i> , 2002, 41, 4390-4394.	1.5	24
64	Photoinduced birefringence and reversible optical storage in liquid-crystalline azobenzene side-chain polymers. <i>Applied Physics Letters</i> , 1999, 74, 19-21.	3.3	108
65	Synthesis and investigation of photoinduced anisotropy of a series of liquid crystalline copolymers with azo groups. <i>Polymer</i> , 1999, 40, 3835-3841.	3.8	12
66	Photoinduced anisotropy and polarization holography in azobenzene side-chain polymer. <i>Optics Communications</i> , 1999, 159, 58-62.	2.1	66
67	<title>Photoinduced anisotropy and high-efficiency optical storage in azobenzene side-chain polymer</title>. , 1998, 3554, 173.		0
68	All-optical switching in azo dye doped liquid crystals based on spatial cross-phase modulation. <i>OSA Continuum</i> , 0, , .	1.8	1