

# Zhongyue Zhang

## List of Publications by Year in descending order

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47  
papers

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759233

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#	ARTICLE	IF	CITATIONS
1	Tellurium-Assisted Epitaxial Growth of Large-Area, Highly Crystalline ReS <sub>2</sub> Atomic Layers on Mica Substrate. <i>Advanced Materials</i> , 2016, 28, 5019-5024.	21.0	169
2	Synthesis of Large-Size 1Tâ€² ReS <sub>2</sub> /i>x</i>Se<sub>2</sub>(1â€²</sub><i>x</i></sub> Alloy Monolayer with Tunable Bandgap and Carrier Type. <i>Advanced Materials</i> , 2017, 29, 1705015.	21.0	107
3	Giant circular dichroism induced by tunable resonance in twisted Z-shaped nanostructure. <i>Optics Express</i> , 2017, 25, 5480.	3.4	58
4	Plasmonic chirality of L-shaped nanostructure composed of two slices with different thickness. <i>Optics Express</i> , 2016, 24, 2307.	3.4	53
5	Extraordinary Optical Transmission Property of X-Shaped Plasmonic Nanohole Arrays. <i>Plasmonics</i> , 2014, 9, 203-207.	3.4	40
6	A Bioinspired, Highly Transparent Surface with Dry-Style Antifogging, Antifrosting, Antifouling, and Moisture Self-Cleaning Properties. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1800708.	3.9	38
7	Co-occurrence of circular dichroism and asymmetric transmission in twist nanoslit-nanorod Arrays. <i>Optics Express</i> , 2016, 24, 16425.	3.4	31
8	Tunable Chiroptical Response of Chiral Plasmonic Nanostructures Fabricated with Chiral Templates through Oblique Angle Deposition. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1299-1304.	3.1	31
9	Circular dichroism of a tilted U-shaped nanostructure. <i>Optics Letters</i> , 2017, 42, 2842.	3.3	26
10	Chiral Near-Fields Induced by Plasmonic Chiral Conic Nanoshell Metallic Nanostructure for Sensitive Biomolecule Detection. <i>Journal of Physical Chemistry C</i> , 2020, 124, 13912-13919.	3.1	18
11	Tunable Circular Dichroism of Achiral Graphene Plasmonic Structures. <i>Plasmonics</i> , 2017, 12, 829-833.	3.4	16
12	Circular Dichroism in Planar Achiral Plasmonic L-Shaped Nanostructure Arrays. <i>IEEE Photonics Journal</i> , 2017, 9, 1-7.	2.0	14
13	Synthesis of Ag-SiO <sub>2</sub> composite nanospheres and their catalytic activity. <i>Science China Chemistry</i> , 2014, 57, 881-887.	8.2	13
14	Giant circular dichroism of chiral L-shaped nanostructure coupled with achiral nanorod: anomalous behavior of multipolar and dipolar resonant modes. <i>Nanotechnology</i> , 2020, 31, 275205.	2.6	13
15	Generation and Manipulation of Multiple Magnetic Fano Resonances in Split Ring-Perfect Ring Nanostructure. <i>Plasmonics</i> , 2017, 12, 1613-1619.	3.4	12
16	Tunable asymmetric transmission through tilted rectangular nanohole arrays in a square lattice. <i>Optics Express</i> , 2018, 26, 1199.	3.4	12
17	Ultra-Subwavelength and Low Loss in V-Shaped Hybrid Plasmonic Waveguide. <i>Plasmonics</i> , 2017, 12, 59-63.	3.4	11
18	Asymmetric transmission of a planar metamaterial induced by symmetry breaking. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 114001.	1.8	11

#	ARTICLE	IF	CITATIONS
19	Superhydrophobicâ€“Superhydrophilic Hybrid Surface with Highly Ordered Tip-Capped Nanopore Arrays for Surface-Enhanced Raman Scattering Spectroscopy. ACS Applied Materials & Interfaces, 2020, 12, 37499-37505.	8.0	11
20	Extraordinary Optical Transmission of Broadband Through Tapered Multilayer Slits. Plasmonics, 2015, 10, 547-551.	3.4	10
21	Asymmetric Transmission in the Planar Chiral Nanostructure Induced by Electric and Magnetic Resonance at the Same Wavelength. Annalen Der Physik, 2019, 531, 1800469.	2.4	10
22	Facile fabrication of superhydrophobic hybrid nanotip and nanopore arrays as surface-enhanced Raman spectroscopy substrates. Applied Surface Science, 2018, 443, 138-144.	6.1	9
23	Deep learning for circular dichroism of nanohole arrays. New Journal of Physics, 2022, 24, 063005.	2.9	9
24	Broadband Extraordinary Optical Transmission Through a Multilayer Structure With a Periodic Nanoslit Array. IEEE Photonics Journal, 2015, 7, 1-8.	2.0	8
25	Dielectric tuned circular dichroism of L-shaped plasmonic metasurface. Journal Physics D: Applied Physics, 2017, 50, 504001.	2.8	8
26	Active control of optical chirality with graphene-based achiral nanorings. Optics Express, 2017, 25, 24623.	3.4	8
27	A General Mechanism for Achieving Circular Dichroism in a Chiral Plasmonic System. Annalen Der Physik, 2018, 530, 1800142.	2.4	8
28	Manipulating Surface Plasmon Polaritons Using F-Shaped Nanoslits Array. IEEE Photonics Technology Letters, 2014, 26, 1247-1250.	2.5	7
29	Converting surface plasmon polaritons into spatial bending beams through graded dielectric rectangles over metal film. Optics Communications, 2017, 383, 423-429.	2.1	7
30	Chiral near-fields around chiral dolmen nanostructure. Journal Physics D: Applied Physics, 2017, 50, 474004.	2.8	6
31	Atomic Layers: Tellurium-Assisted Epitaxial Growth of Large-Area, Highly Crystalline ReS <sub>2</sub> Atomic Layers on Mica Substrate (Adv. Mater. 25/2016). Advanced Materials, 2016, 28, 5018-5018.	21.0	5
32	Double-Layer Chiral System with Induced Circular Dichroism by Near-Field Coupling. Journal of Physical Chemistry C, 2021, 125, 25851-25858.	3.1	5
33	Asymmetric transmission of obliquely intersecting nanoslit arrays in a gold film. Applied Optics, 2017, 56, 5781.	1.8	4
34	The causality of circular dichroism inducement by isotropic and anisotropic chiral molecules. Journal Physics D: Applied Physics, 2019, 52, 305306.	2.8	4
35	Effects of electric field coupling on the circular dichroism of composite nanostructures. Journal of Optics (United Kingdom), 2020, 22, 055002.	2.2	4
36	Circular dichroism of spatially complementary chiral nanostructures. Nanotechnology, 2020, 31, 445302.	2.6	4

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37	Circular Dichroism Induced by the Coupling between Surface Plasmon Polaritons and Localized Surface Plasmon Resonances in a Double-Layer Complementary Nanostructure. <i>Journal of Physical Chemistry C</i> , 2022, 126, 10159-10166.	3.1	4
38	Enhancing the electric fields around the nanorods by using metal grooves. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012, 55, 1763-1768.	5.1	2
39	Graphene-covered sandwich nanostructure for enhanced light absorption. <i>Optical Materials</i> , 2019, 96, 109316.	3.6	2
40	Absorption Circular Dichroism Induced by Contorted Electrical Oscillations in Rectangular Nanoholes. <i>Plasmonics</i> , 2020, 15, 1159-1164.	3.4	2
41	Magnetic Field Enhanced Optical Chirality of Plasmonic Ring-disk Nanostructure. <i>Plasmonics</i> , 2022, 17, 1929-1938.	3.4	2
42	Transmission characteristics of surface plasmon polaritons through a metallic rectangle above a metallic film. <i>Journal of Modern Optics</i> , 2016, 63, 411-416.	1.3	1
43	Breaking the symmetry to manipulate the magnetic Fano resonance in double split ring/square ring structure. <i>Materials Research Express</i> , 2018, 5, 085004.	1.6	1
44	Uniform Chiral Near-Field in Achiral Nanocavity Induced by Magnetic Polaritons Mode. <i>Annalen Der Physik</i> , 2022, 534, 2100353.	2.4	1
45	Enhanced circular dichroism of cantilevered nanostructures by distorted plasmon. <i>Optics Express</i> , 0, , .	3.4	1
46	Transmission properties of periodically patterned triangular prisms. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2014, 12, 508-514.	2.0	0
47	Broad Band-Pass and Band-Stop Transmissions Through the Hybrid Gratings of Rectangle and Triangle. <i>Journal of Lightwave Technology</i> , 2016, 34, 1350-1353.	4.6	0