

# Yongkai Wang

## List of Publications by Year in descending order

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papers

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscale engineering of ring-mounted nanostructure around AAO nanopores for highly sensitive and reliable SERS substrates. <i>Nanotechnology</i> , 2022, 33, 135501.	2.6	9
2	Two-Dimensional Self-Assembly of Au@Ag Core-Shell Nanocubes with Different Permutations for Ultrasensitive SERS Measurements. <i>ACS Omega</i> , 2022, 7, 3312-3323.	3.5	14
3	Surface-Plasmon-Assisted Growth, Reshaping and Transformation of Nanomaterials. <i>Nanomaterials</i> , 2022, 12, 1329.	4.1	4
4	Deep learning for circular dichroism of nanohole arrays. <i>New Journal of Physics</i> , 2022, 24, 063005.	2.9	9
5	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
6	Enhanced circular dichroism and biosensing application of planar chiral nanostructure by covering graphene nanobelts. <i>European Physical Journal D</i> , 2021, 75, 1.	1.3	5
7	Dynamically adjustable-induced THz circular dichroism and biosensing application of symmetric silicon-graphene-metal composite nanostructures. <i>Optics Express</i> , 2021, 29, 8087.	3.4	14
8	Excitation of high-quality orbital angular momentum vortex beams in an adiabatically helical-twisted single-mode fiber. <i>Optics Express</i> , 2021, 29, 8441.	3.4	16
9	Circular dichroism enhancement and dynamically adjustment in planar metal chiral split rings with graphene sheets arrays. <i>Nanotechnology</i> , 2021, 32, 385205.	2.6	4
10	Plasmonic alloy nanochains assembled via dielectrophoresis for ultrasensitive SERS. <i>Optics Express</i> , 2021, 29, 36857.	3.4	8
11	Circular Dichroism Enhancement and Biosensing Application of Composite Dielectric Chiral Nanostructures. <i>Journal of Physical Chemistry C</i> , 2021, 125, 25243-25252.	3.1	10
12	Double-Layer Chiral System with Induced Circular Dichroism by Near-Field Coupling. <i>Journal of Physical Chemistry C</i> , 2021, 125, 25851-25858.	3.1	5
13	Circular dichroism induced by tunable symmetry breaking in vertical Q-shaped nanostructure. <i>Optics Communications</i> , 2020, 461, 125241.	2.1	3
14	Circular dichroism enhancement in graphene with planar metal nanostructures: A computational study. <i>Applied Surface Science</i> , 2020, 508, 145070.	6.1	11
15	Plasmon-exciton coupling for nanophotonic sensing on chip. <i>Optics Express</i> , 2020, 28, 20817.	3.4	11
16	Ultra-broadband conversion of OAM mode near the dispersion turning point in helical fiber gratings. <i>OSA Continuum</i> , 2020, 3, 77.	1.8	19
17	Nanoscale Vertical Arrays of Gold Nanorods by Self-Assembly: Physical Mechanism and Application. <i>Nanoscale Research Letters</i> , 2019, 14, 118.	5.7	40
18	Active Control and Biosensing Application of Induced Chirality between Symmetric Metal and Graphene Nanostructures. <i>Journal of Physical Chemistry C</i> , 2019, 123, 24754-24762.	3.1	22

#	ARTICLE	IF	CITATIONS
19	Strong circular dichroism enhancement by plasmonic coupling between graphene and h-shaped chiral nanostructure. <i>Optics Express</i> , 2019, 27, 33869.	3.4	13
20	Plasmon-exciton coupling by hybrids between graphene and gold nanorods vertical array for sensor. <i>Applied Materials Today</i> , 2019, 14, 166-174.	4.3	69
21	Tunable chiroptical response of chiral system composed of a nanorod coupled with a nanosurface. <i>Applied Surface Science</i> , 2019, 467-468, 684-690.	6.1	12
22	Plasmon-enhanced upconversion photoluminescence: Mechanism and application. <i>Reviews in Physics</i> , 2019, 4, 100026.	8.9	105
23	A General Mechanism for Achieving Circular Dichroism in a Chiral Plasmonic System. <i>Annalen Der Physik</i> , 2018, 530, 1800142.	2.4	8
24	Tunable asymmetric transmission through tilted rectangular nanohole arrays in a square lattice. <i>Optics Express</i> , 2018, 26, 1199.	3.4	12
25	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
26	Induced chirality in micron wave through electromagnetic coupling between chiral molecules and graphene nanostructures. <i>Carbon</i> , 2017, 120, 203-208.	10.3	20
27	Tunable Circular Dichroism of Achiral Graphene Plasmonic Structures. <i>Plasmonics</i> , 2017, 12, 829-833.	3.4	16
28	Asymmetric transmission of obliquely intersecting nanoslit arrays in a gold film. <i>Applied Optics</i> , 2017, 56, 5781.	1.8	4
29	Chiral near-fields around chiral dolmen nanostructure. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 474004.	2.8	6
30	Co-occurrence of circular dichroism and asymmetric transmission in twist nanoslit-nanorod Arrays. <i>Optics Express</i> , 2016, 24, 16425.	3.4	31
31	Direct and indirect coupling mechanisms in a chiral plasmonic system. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 405104.	2.8	9
32	Plasmonic chirality of L-shaped nanostructure composed of two slices with different thickness. <i>Optics Express</i> , 2016, 24, 2307.	3.4	53
33	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
34	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
35	Extraordinary Optical Transmission of Broadband Through Tapered Multilayer Slits. <i>Plasmonics</i> , 2015, 10, 547-551.	3.4	10
36	Manipulating Surface Plasmon Polaritons Using F-Shaped Nanoslits Array. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 1247-1250.	2.5	7

#	ARTICLE	IF	CITATIONS
37	Extraordinary Optical Transmission Property of X-Shaped Plasmonic Nanohole Arrays. Plasmonics, 2014, 9, 203-207.	3.4	40
38	Enhanced circular dichroism of cantilevered nanostructures by distorted plasmon. Optics Express, 0, , .	3.4	1