

# Hongyan Yang

## List of Publications by Year in descending order

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35  
papers

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citations

840776

11  
h-index

888059

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g-index

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35  
docs citations

35  
times ranked

202  
citing authors

#	ARTICLE	IF	CITATIONS
1	All-Optical Modulation Technology Based on 2D Layered Materials. <i>Micromachines</i> , 2022, 13, 92.	2.9	20
2	A Temperature Sensor Based on Composite Optical Waveguide. <i>Journal of Lightwave Technology</i> , 2022, 40, 2663-2669.	4.6	10
3	Progress on Optical Fiber Biochemical Sensors Based on Graphene. <i>Micromachines</i> , 2022, 13, 348.	2.9	13
4	Integrated Multifunctional Graphene Discs 2D Plasmonic Optical Tweezers for Manipulating Nanoparticles. <i>Nanomaterials</i> , 2022, 12, 1769.	4.1	3
5	Dual-parameter detection with an open-loop dual-core plasmonic optical fiber sensor. , 2022, 1, 1441.		1
6	Observation of Double Fano Interference in Metal-Insulator Block Arrays. <i>IEEE Photonics Journal</i> , 2021, 13, 1-9.	2.0	0
7	Rotating Angle Modulation Method for Improving the Measurement Performance of LRSR Sensor. <i>IEEE Sensors Journal</i> , 2021, 21, 14876-14886.	4.7	5
8	High Sensitivity Plasmonic Sensor Based on Fano Resonance with Inverted U-Shaped Resonator. <i>Sensors</i> , 2021, 21, 1164.	3.8	25
9	Design and Analysis of an Afterpulsing Auto-Correction System for Single Photon Avalanche Diodes. <i>IEEE Photonics Technology Letters</i> , 2021, 33, 293-296.	2.5	5
10	High Q-Factor Hybrid Metamaterial Waveguide Multi-Fano Resonance Sensor in the Visible Wavelength Range. <i>Nanomaterials</i> , 2021, 11, 1583.	4.1	14
11	Tunable circular dichroism based on graphene-metal split ring resonators. <i>Optics Express</i> , 2021, 29, 21020.	3.4	19
12	Dual-color meta-image display with a silver nanopolarizer based metasurface. <i>Optics Express</i> , 2021, 29, 25894.	3.4	5
13	Broadband tunable perfect absorber with high absorptivity based on double layer graphene. <i>Optical Materials Express</i> , 2021, 11, 3398.	3.0	10
14	Highly Sensitive Graphene-Au Coated Plasmon Resonance PCF Sensor. <i>Sensors</i> , 2021, 21, 818.	3.8	33
15	An Integrated Detection Based on a Multi-Parameter Plasmonic Optical Fiber Sensor. <i>Sensors</i> , 2021, 21, 803.	3.8	23
16	Ultra-broadband perfect solar energy absorber based on tungsten ring arrays. <i>Engineering Research Express</i> , 2021, 3, 045020.	1.6	6
17	Numerical Study of Ultra-Broadband Metamaterial Perfect Absorber Based on Four-Corner Star Array. <i>Nanomaterials</i> , 2021, 11, 2172.	4.1	10
18	High Sensitivity Refractive Index and Temperature sensors with Tunable Multiple Fano Resonances. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	Graphene-Photonic Crystal Fiber Biodetection Based on Surface Plasma Resonance Effect and Defect Coupling. , 2021, , .		1
20	Ultra-Narrow-Band Filter Based on High Q Factor in Metallic Nanoslit Arrays. Sensors, 2020, 20, 5205.	3.8	7
21	Graphene Oxide Sensitized No-Core Fiber Step-Index Distribution Sucrose Sensor. Photonics, 2020, 7, 101.	2.0	14
22	Coherent Perfect Absorber Based on Antisymmetric Metasurface With Gain Material. IEEE Photonics Journal, 2020, 12, 1-9.	2.0	1
23	Wide-range frequency tunable absorber based on cross-groove metamaterials and graphene-sheet. Journal Physics D: Applied Physics, 2020, 53, 255102.	2.8	4
24	Spin-orbital coupling of quadratic-power-exponent-phase vortex beam propagating in a uniaxial crystal. Optics Express, 2020, 28, 216.	3.4	6
25	Modeling of Refractive Index Sensing Using Au Aperture Arrays on a Bragg Fiber Facet. Photonic Sensors, 2019, 9, 337-343.	5.0	4
26	Circular Airy Beam Shaping by Annular Arrayed-Core Fiber. Journal of Lightwave Technology, 2019, 37, 4844-4850.	4.6	6
27	High-Sensitivity Plasmonics Biosensor Based on Graphene Ribbon Arrays. , 2019, , .		1
28	Refractive Index Sensor Based on Twisted Tapered Plastic Optical Fibers. Photonics, 2019, 6, 40.	2.0	21
29	Significantly enhanced sensitivity using a gold aperture arrays-dielectric hybrid structure in optical fiber sensor. Journal of Physics Communications, 2019, 3, 015005.	1.2	4
30	Investigation of a plastic optical fiber imprinted with V-groove structure for displacement sensing. Optical Engineering, 2019, 58, 1.	1.0	9
31	Dynamically tunable polarization-independent terahertz absorber based on bulk Dirac semimetals. OSA Continuum, 2019, 2, 2477.	1.8	7
32	Difference frequency sideband generation in semiconductors. OSA Continuum, 2019, 2, 244.	1.8	0
33	Liquid Level Sensor Based on a V-Groove Structure Plastic Optical Fiber. Sensors, 2018, 18, 3111.	3.8	26
34	Proposed phase plate for superimposed orbital angular momentum state generation. Optics Express, 2018, 26, 14792.	3.4	16
35	Enhanced Efficient Light Emission of Er(Yb/Y) Silicates at the Wavelength of $1.53\hat{1}4\mu\text{m}$ with Au Plasmonic Arrays. IEEE Photonics Journal, 2017, , 1-1.	2.0	0