

# Yingzhou Huang

## List of Publications by Year in descending order

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98  
papers

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citations

172443

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all docs

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docs citations

98  
times ranked

4550  
citing authors



#	ARTICLE	IF	CITATIONS
19	Plasmon-driven surface catalysis in hybridized plasmonic gap modes. <i>Scientific Reports</i> , 2015, 4, 7087.	3.3	49
20	Electromagnetic field redistribution in hybridized plasmonic particle-film system. <i>Applied Physics Letters</i> , 2013, 102, 153108.	3.3	48
21	A Mobile and Self-Powered Micro-Flow Pump Based on Triboelectricity Driven Electroosmosis. <i>Advanced Materials</i> , 2021, 33, e2102765.	21.0	48
22	Remote Excitation of Surface-Enhanced Raman Scattering on Single Au Nanowire with Quasi-Spherical Termini. <i>Journal of Physical Chemistry C</i> , 2011, 115, 3558-3561.	3.1	44
23	Rapid, one-step preparation of SERS substrate in microfluidic channel for detection of molecules and heavy metal ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 220, 117113.	3.9	44
24	Local and Remote Charge-Transfer-Enhanced Raman Scattering on One-Dimensional Transition-Metal Oxides. <i>Chemistry - an Asian Journal</i> , 2010, 5, 1824-1829.	3.3	42
25	Quantitatively analyzing the mechanism of giant circular dichroism in extrinsic plasmonic chiral nanostructures by tracking the interplay of electric and magnetic dipoles. <i>Nanoscale</i> , 2016, 8, 3720-3728.	5.6	39
26	Fano resonance assisting plasmonic circular dichroism from nanorice heterodimers for extrinsic chirality. <i>Scientific Reports</i> , 2015, 5, 16069.	3.3	37
27	Electrospinning Fabricating Au/TiO <sub>2</sub> Network-like Nanofibers as Visible Light Activated Photocatalyst. <i>Scientific Reports</i> , 2019, 9, 8008.	3.3	36
28	Type-II Dirac Photons at Metasurfaces. <i>Physical Review Letters</i> , 2018, 121, 024301.	7.8	34
29	Manually tunable ventilated metamaterial absorbers. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	31
30	Acoustic absorbers at low frequency based on split-tube metamaterials. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 2361-2366.	2.1	30
31	Designing topological interface states in phononic crystals based on the full phase diagrams. <i>New Journal of Physics</i> , 2018, 20, 073032.	2.9	29
32	Charge Transfer Effect on Raman and Surface Enhanced Raman Spectroscopy of Furfural Molecules. <i>Nanomaterials</i> , 2017, 7, 210.	4.1	27
33	Plasmonic photothermal film for defogging and anti-icing/deicing on PTFE. <i>Journal of Alloys and Compounds</i> , 2021, 866, 158827.	5.5	25
34	Metal Nanoparticle-Nanowire Assisted SERS on Film. <i>Journal of Physical Chemistry C</i> , 2015, 119, 19376-19381.	3.1	24
35	Electromagnetic field redistribution in coupled plasmonic nanoparticle dimer-dielectric substrate system. <i>Chemical Physics Letters</i> , 2015, 619, 139-143.	2.6	21
36	Heterodimer Nanostructures Induced Energy Focusing on Metal Film. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7778-7784.	3.1	21

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37	Real-time concentration monitoring in microfluidic system via plasmonic nanocrescent arrays. <i>Biosensors and Bioelectronics</i> , 2016, 77, 385-392.	10.1	21
38	Suppression of coffee-ring effect <i>via</i> periodic oscillation of substrate for ultra-sensitive enrichment towards surface-enhanced Raman scattering. <i>Nanoscale</i> , 2019, 11, 20534-20545.	5.6	21
39	pH Dependent plasmon-driven surface-catalysis reactions of p,p'-dimercaptoazobenzene produced from para-aminothiophenol and 4-nitrobenzenethiol. <i>Science China Chemistry</i> , 2012, 55, 2567-2572.	8.2	20
40	A Simple Laser Ablation-Assisted Method for Fabrication of Superhydrophobic SERS Substrate on Teflon Film. <i>Nanoscale Research Letters</i> , 2018, 13, 244.	5.7	20
41	Interlayer Topological Transport and Devices Based on Layer Pseudospins in Photonic Valley $\pi$ -Hall Phases. <i>Advanced Optical Materials</i> , 2019, 7, 1900872.	7.3	19
42	Deterministic Scheme for Two-Dimensional Type-II Dirac Points and Experimental Realization in Acoustics. <i>Physical Review Letters</i> , 2020, 124, 075501.	7.8	19
43	Plasmon-Driven Interfacial Catalytic Reactions in Plasmonic MOF Nanoparticles. <i>Analytical Chemistry</i> , 2021, 93, 13219-13225.	6.5	19
44	Application of Self-Assembled Raman Spectrum-Enhanced Substrate in Detection of Dissolved Furfural in Insulating Oil. <i>Nanomaterials</i> , 2019, 9, 17.	4.1	18
45	Coherent Enhancement of Dual-Path-Excited Remote SERS. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 32746-32751.	8.0	18
46	Analyzing intrinsic plasmonic chirality by tracking the interplay of electric and magnetic dipole modes. <i>Scientific Reports</i> , 2017, 7, 11151.	3.3	17
47	Drop impacting on a surface with adjustable wettability based on the dielectrowetting effect. <i>Physics of Fluids</i> , 2020, 32, .	4.0	17
48	Gold crescent nanodisk array for nanoantenna-enhanced sensing in subwavelength areas. <i>Applied Optics</i> , 2014, 53, 7236.	2.1	16
49	Tribo-electrophoresis preconcentration enhanced ultra-sensitive SERS detection. <i>Nano Energy</i> , 2022, 98, 107239.	16.0	16
50	Substrate influence on the polarization dependence of SERS in crossed metal nanowires. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7028-7034.	5.5	15
51	Hollow Au@Ag Alloy Nanorices and Their Optical Properties. <i>Nanomaterials</i> , 2017, 7, 255.	4.1	14
52	A metasurface with bidirectional hyperbolic surface modes and position-sensing applications. <i>NPG Asia Materials</i> , 2018, 10, 417-428.	7.9	13
53	Organic Molecule Detection Based on SERS in Microfluidics. <i>Scientific Reports</i> , 2019, 9, 17634.	3.3	13
54	Microfluidic Transport of Hybrid Optoplasmonic Particles for Repeatable SERS Detection. <i>Analytical Chemistry</i> , 2021, 93, 10672-10678.	6.5	13

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55	Relaxation of liquid bridge after droplets coalescence. <i>AIP Advances</i> , 2016, 6, 115115.	1.3	12
56	Nanowire assisted repeatable DEP-TERS detection in microfluidics. <i>Nanotechnology</i> , 2019, 30, 475202.	2.6	12
57	On-chip 3D SERS materials produced by self-assemble of copper microparticle and galvanic replacement reaction. <i>Applied Optics</i> , 2019, 58, 4720.	1.8	12
58	Strong up-conversion luminescence of rare-earth doped oxide films enhanced by gap modes on ZnO nanowires. <i>Nanoscale</i> , 2018, 10, 726-732.	5.6	11
59	Material influence on hot spot distribution in the nanoparticle heterodimer on film. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018, 98, 1-5.	2.7	10
60	Screening the Ion Compositions on Crystal Morphology Transitions by a Microfluidic Chip with a Well-Defined Concentration Gradient. <i>Crystal Growth and Design</i> , 2020, 20, 6877-6887.	3.0	10
61	Microdroplet extraction assisted ultrasensitive Raman detection in complex oil. <i>Lab on A Chip</i> , 2021, 21, 2217-2222.	6.0	9
62	Subwavelength topological edge states based on localized spoof surface plasmonic metaparticle arrays. <i>Optics Express</i> , 2019, 27, 14407.	3.4	9
63	Shape-Controlled Synthesis of Pt Nanopeanuts. <i>Scientific Reports</i> , 2016, 6, 31404.	3.3	8
64	Electromagnetic field redistribution induced selective plasmon driven surface catalysis in metal nanowire-film systems. <i>Scientific Reports</i> , 2015, 5, 17223.	3.3	7
65	Wavelength modulated SERS hot spot distribution in 1D nanostructures on metal film. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 425301.	2.8	7
66	Effects of substrate and polarization on plasmon driven surface catalysis in nanowire-film hybrid system. <i>Superlattices and Microstructures</i> , 2016, 100, 886-891.	3.1	7
67	Plasmonic nano-tweezer based on square nanoplate tetramers. <i>Applied Optics</i> , 2018, 57, 5328.	1.8	7
68	Automatically Adaptive Ventilated Metamaterial Absorber for Environment with Varying Noises. <i>Advanced Materials Technologies</i> , 2021, 6, 2100668.	5.8	7
69	Ultrasonic-Assisted Synthesis of Au Nanobelts and Nanowires. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 7515-7518.	0.9	6
70	Surface-plasmon-enhanced lasing emission based on polymer distributed feedback laser. <i>Journal of Applied Physics</i> , 2015, 117, 023106.	2.5	6
71	Selective plasmon driven surface catalysis in metal triangular nanoplate-molecule-film sandwich structure. <i>Chemical Physics Letters</i> , 2015, 639, 47-51.	2.6	6
72	SERS polarization dependence of Ag nanorice dimer on metal and dielectric film. <i>Chemical Physics Letters</i> , 2017, 684, 373-377.	2.6	6

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73	Electromagnetic Energy Redistribution in Coupled Chiral Particle Chain-Film System. <i>Nanoscale Research Letters</i> , 2018, 13, 194.	5.7	6
74	Near-Infrared Properties of Hybridized Plasmonic Rectangular Split Nanorings. <i>Chinese Physics Letters</i> , 2014, 31, 067803.	3.3	5
75	Drop impacting on a single layer of particles: Evolution of ring without particles. <i>Physics of Fluids</i> , 2019, 31, 047107.	4.0	5
76	Optoplasmonic film for SERS. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 255, 119698.	3.9	5
77	Surface evolution of manganese chloride aqueous droplets resulting in self-suppressed evaporation. <i>Scientific Reports</i> , 2015, 5, 13322.	3.3	4
78	Plasmon-driven surface catalysis on photochemically deposited-based SERS substrates. <i>Applied Optics</i> , 2016, 55, 8468.	2.1	4
79	Ascertaining Plasmonic Hot Electrons Generation from Plasmon Decay in Hybrid Plasmonic Modes. <i>Plasmonics</i> , 2016, 11, 909-915.	3.4	4
80	Nanoparticle assisted Raman information acquisition from metal encapsulated sandwich structure. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 443-447.	2.5	4
81	Electromagnetic Field Redistribution in Metal Nanoparticle on Graphene. <i>Nanoscale Research Letters</i> , 2018, 13, 124.	5.7	4
82	Growth dynamics of bubbles on a pore-patterned surface under reduced pressure. <i>Physics of Fluids</i> , 2019, 31, .	4.0	4
83	Plasmonic waveguide on metal nanowires with various symmetry breaking features. <i>Optics Communications</i> , 2019, 439, 171-175.	2.1	4
84	Sandwich optoplasmonic hybrid structure for surface enhanced Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 264, 120252.	3.9	4
85	Fano resonance properties of gold nanocrescent arrays. <i>Applied Optics</i> , 2014, 53, 6431.	1.8	3
86	Selective plasmonic trapping in periodic gold polygon tetramers. <i>Superlattices and Microstructures</i> , 2014, 75, 593-600.	3.1	3
87	Optoplasmonic MOFs film for SERS detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 278, 121362.	3.9	3
88	Photocatalysts: Multichannelâ€Improved Chargeâ€Carrier Dynamics in Wellâ€Designed Heteroâ€nanostructural Plasmonic Photocatalysts toward Highly Efficient Solarâ€toâ€Fuels Conversion ( <i>Adv. Mater.</i> 39/2015). <i>Advanced Materials</i> , 2015, 27, 6075-6075.	21.0	2
89	Extraordinary acoustic transmission of a decorated window without ventilation. <i>Applied Physics Letters</i> , 2020, 117, 091902.	3.3	1
90	Light Focusing in Linear Arranged Symmetric Nanoparticle Trimer on Metal Film System. <i>Chinese Physics B</i> , 0, , .	1.4	1

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91	Strong confinement of gap modes induced by the film modified electric and magnetic modes in dielectric nanoparticle dimers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 266, 120465.	3.9	1
92	Control light propagation and polarization with plasmons for surface-enhanced Raman scattering. , 2009, , .		0
93	Propagating plasmons on silver nanowires. , 2010, , .		0
94	Two-Camera Phase Measuring Profilometry System. <i>Applied Mechanics and Materials</i> , 0, 462-463, 3-8.	0.2	0
95	Drop expansion driven by bubbling on microscale patterned substrates under low air pressure. <i>Chemical Engineering Journal</i> , 2020, 391, 123547.	12.7	0
96	Self-assembly 2D Plasmonic Nanorice Film for SERS. <i>Chinese Physics B</i> , 0, , .	1.4	0
97	Au nanobowtie on SiO <sub>2</sub> microsphere for optoplasmonic trapping. <i>Applied Optics</i> , 2021, 60, 7094-7098.	1.8	0
98	Mxenes@Au NP Hybrid Plasmonic 2D Microplates in Microfluidics for SERS Detection. <i>Biosensors</i> , 2022, 12, 505.	4.7	0