

Yingzhou Huang

List of Publications by Year in descending order

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196777

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#	ARTICLE	IF	CITATIONS
1	Sandwich optoplasmonic hybrid structure for surface enhanced Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 264, 120252.	2.0	4
2	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.	2.0	1
3	Tribo-electrophoresis preconcentration enhanced ultra-sensitive SERS detection. <i>Nano Energy</i> , 2022, 98, 107239.	8.2	16
4	Optoplasmonic MOFs film for SERS detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 278, 121362.	2.0	3
5	Mxenesâ€“Au NP Hybrid Plasmonic 2D Microplates in Microfluidics for SERS Detection. <i>Biosensors</i> , 2022, 12, 505.	2.3	0
6	Microdroplet extraction assisted ultrasensitive Raman detection in complex oil. <i>Lab on A Chip</i> , 2021, 21, 2217-2222.	3.1	9
7	Manually tunable ventilated metamaterial absorbers. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	31
8	Plasmonic photothermal film for defogging and anti-icing/deicing on PTFE. <i>Journal of Alloys and Compounds</i> , 2021, 866, 158827.	2.8	25
9	A Mobile and Selfâ€“Powered Microâ€“Flow Pump Based on Triboelectricity Driven Electroosmosis. <i>Advanced Materials</i> , 2021, 33, e2102765.	11.1	48
10	Microfluidic Transport of Hybrid Optoplasmonic Particles for Repeatable SERS Detection. <i>Analytical Chemistry</i> , 2021, 93, 10672-10678.	3.2	13
11	Au nanobowtie on SiO ₂ microsphere for optoplasmonic trapping. <i>Applied Optics</i> , 2021, 60, 7094-7098.	0.9	0
12	Optoplasmonic film for SERS. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 255, 119698.	2.0	5
13	Automatically Adaptive Ventilated Metamaterial Absorber for Environment with Varying Noises. <i>Advanced Materials Technologies</i> , 2021, 6, 2100668.	3.0	7
14	Plasmon-Driven Interfacial Catalytic Reactions in Plasmonic MOF Nanoparticles. <i>Analytical Chemistry</i> , 2021, 93, 13219-13225.	3.2	19
15	Drop expansion driven by bubbling on microscale patterned substrates under low air pressure. <i>Chemical Engineering Journal</i> , 2020, 391, 123547.	6.6	0
16	Drop impacting on a surface with adjustable wettability based on the dielectrowetting effect. <i>Physics of Fluids</i> , 2020, 32, .	1.6	17
17	Extraordinary acoustic transmission of a decorated window without ventilation. <i>Applied Physics Letters</i> , 2020, 117, 091902.	1.5	1
18	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.	1.4	10

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19	Ultra-open ventilated metamaterial absorbers for sound-silencing applications in environment with free air flows. <i>Extreme Mechanics Letters</i> , 2020, 39, 100786.	2.0	58
20	Coherent Enhancement of Dual-Path-Excited Remote SERS. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32746-32751.	4.0	18
21	Deterministic Scheme for Two-Dimensional Type-II Dirac Points and Experimental Realization in Acoustics. <i>Physical Review Letters</i> , 2020, 124, 075501.	2.9	19
22	Suppression of coffee-ring effect via periodic oscillation of substrate for ultra-sensitive enrichment towards surface-enhanced Raman scattering. <i>Nanoscale</i> , 2019, 11, 20534-20545.	2.8	21
23	Interlayer Topological Transport and Devices Based on Layer Pseudospins in Photonic Valley Hall Phases. <i>Advanced Optical Materials</i> , 2019, 7, 1900872.	3.6	19
24	Growth dynamics of bubbles on a pore-patterned surface under reduced pressure. <i>Physics of Fluids</i> , 2019, 31, .	1.6	4
25	Nanowire assisted repeatable DEP-SERS detection in microfluidics. <i>Nanotechnology</i> , 2019, 30, 475202.	1.3	12
26	Plasmonic waveguide on metal nanowires with various symmetry breaking features. <i>Optics Communications</i> , 2019, 439, 171-175.	1.0	4
27	Electrospinning Fabricating Au/TiO ₂ Network-like Nanofibers as Visible Light Activated Photocatalyst. <i>Scientific Reports</i> , 2019, 9, 8008.	1.6	36
28	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.	0.9	30
29	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.	2.0	44
30	Drop impacting on a single layer of particles: Evolution of ring without particles. <i>Physics of Fluids</i> , 2019, 31, 047107.	1.6	5
31	Organic Molecule Detection Based on SERS in Microfluidics. <i>Scientific Reports</i> , 2019, 9, 17634.	1.6	13
32	Application of Self-Assembled Raman Spectrum-Enhanced Substrate in Detection of Dissolved Furfural in Insulating Oil. <i>Nanomaterials</i> , 2019, 9, 17.	1.9	18
33	On-chip 3D SERS materials produced by self-assemble of copper microparticle and galvanic replacement reaction. <i>Applied Optics</i> , 2019, 58, 4720.	0.9	12
34	Subwavelength topological edge states based on localized spoof surface plasmonic metaparticle arrays. <i>Optics Express</i> , 2019, 27, 14407.	1.7	9
35	High-efficiency ventilated metamaterial absorber at low frequency. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	87
36	Strong up-conversion luminescence of rare-earth doped oxide films enhanced by gap modes on ZnO nanowires. <i>Nanoscale</i> , 2018, 10, 726-732.	2.8	11

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37	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.	1.3	10
38	A Simple Laser Ablation-Assisted Method for Fabrication of Superhydrophobic SERS Substrate on Teflon Film. <i>Nanoscale Research Letters</i> , 2018, 13, 244.	3.1	20
39	Electromagnetic Energy Redistribution in Coupled Chiral Particle Chain-Film System. <i>Nanoscale Research Letters</i> , 2018, 13, 194.	3.1	6
40	Su-Schrieffer-Heeger model inspired acoustic interface states and edge states. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	55
41	A metasurface with bidirectional hyperbolic surface modes and position-sensing applications. <i>NPG Asia Materials</i> , 2018, 10, 417-428.	3.8	13
42	Plasmonic nano-tweezer based on square nanoplate tetramers. <i>Applied Optics</i> , 2018, 57, 5328.	0.9	7
43	Designing topological interface states in phononic crystals based on the full phase diagrams. <i>New Journal of Physics</i> , 2018, 20, 073032.	1.2	29
44	Type-II Dirac Photons at Metasurfaces. <i>Physical Review Letters</i> , 2018, 121, 024301.	2.9	34
45	Electromagnetic Field Redistribution in Metal Nanoparticle on Graphene. <i>Nanoscale Research Letters</i> , 2018, 13, 124.	3.1	4
46	Analyzing intrinsic plasmonic chirality by tracking the interplay of electric and magnetic dipole modes. <i>Scientific Reports</i> , 2017, 7, 11151.	1.6	17
47	SERS polarization dependence of Ag nanorice dimer on metal and dielectric film. <i>Chemical Physics Letters</i> , 2017, 684, 373-377.	1.2	6
48	Direct observation of valley-polarized topological edge states in designer surface plasmon crystals. <i>Nature Communications</i> , 2017, 8, 1304.	5.8	287
49	Nanoparticle assisted Raman information acquisition from metal encapsulated sandwich structure. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 443-447.	1.2	4
50	Charge Transfer Effect on Raman and Surface Enhanced Raman Spectroscopy of Furfural Molecules. <i>Nanomaterials</i> , 2017, 7, 210.	1.9	27
51	Hollow Au@Ag Alloy Nanorices and Their Optical Properties. <i>Nanomaterials</i> , 2017, 7, 255.	1.9	14
52	Substrate influence on the polarization dependence of SERS in crossed metal nanowires. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7028-7034.	2.7	15
53	Plasmon-driven surface catalysis on photochemically deposited-based SERS substrates. <i>Applied Optics</i> , 2016, 55, 8468.	2.1	4
54	Relaxation of liquid bridge after droplets coalescence. <i>AIP Advances</i> , 2016, 6, 115115.	0.6	12

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55	Low-frequency tunable acoustic absorber based on split tube resonators. Applied Physics Letters, 2016, 109, .	1.5	103
56	Wavelength modulated SERS hot spot distribution in 1D nanostructures on metal film. Journal Physics D: Applied Physics, 2016, 49, 425301.	1.3	7
57	Heterodimer Nanostructures Induced Energy Focusing on Metal Film. Journal of Physical Chemistry C, 2016, 120, 7778-7784.	1.5	21
58	Self-Powered Triboelectric Micro Liquid/Gas Flow Sensor for Microfluidics. ACS Nano, 2016, 10, 8104-8112.	7.3	131
59	Shape-Controlled Synthesis of Pt Nanopeanuts. Scientific Reports, 2016, 6, 31404.	1.6	8
60	Effects of substrate and polarization on plasmon driven surface catalysis in nanowire-film hybrid system. Superlattices and Microstructures, 2016, 100, 886-891.	1.4	7
61	Quantitatively analyzing the mechanism of giant circular dichroism in extrinsic plasmonic chiral nanostructures by tracking the interplay of electric and magnetic dipoles. Nanoscale, 2016, 8, 3720-3728.	2.8	39
62	Ascertaining Plasmonic Hot Electrons Generation from Plasmon Decay in Hybrid Plasmonic Modes. Plasmonics, 2016, 11, 909-915.	1.8	4
63	Real-time concentration monitoring in microfluidic system via plasmonic nanocrescent arrays. Biosensors and Bioelectronics, 2016, 77, 385-392.	5.3	21
64	Photocatalysts: Multichannelâ€Improved Chargeâ€Carrier Dynamics in Wellâ€Designed Heteroâ€nanostructural Plasmonic Photocatalysts toward Highly Efficient Solarâ€toâ€Fuels Conversion (Adv. Mater. 39/2015). Advanced Materials, 2015, 27, 6075-6075.	11.1	2
65	Fano resonance assisting plasmonic circular dichroism from nanorice heterodimers for extrinsic chirality. Scientific Reports, 2015, 5, 16069.	1.6	37
66	Surface evolution of manganese chloride aqueous droplets resulting in self-suppressed evaporation. Scientific Reports, 2015, 5, 13322.	1.6	4
67	Electromagnetic field redistribution induced selective plasmon driven surface catalysis in metal nanowire-film systems. Scientific Reports, 2015, 5, 17223.	1.6	7
68	Multichannelâ€Improved Chargeâ€Carrier Dynamics in Wellâ€Designed Heteroâ€nanostructural Plasmonic Photocatalysts toward Highly Efficient Solarâ€toâ€Fuels Conversion. Advanced Materials, 2015, 27, 5906-5914.	11.1	239
69	Surface-plasmon-enhanced lasing emission based on polymer distributed feedback laser. Journal of Applied Physics, 2015, 117, 023106.	1.1	6
70	Metal Nanoparticleâ€Nanowire Assisted SERS on Film. Journal of Physical Chemistry C, 2015, 119, 19376-19381.	1.5	24
71	Selective plasmon driven surface catalysis in metal triangular nanoplate-molecule-film sandwich structure. Chemical Physics Letters, 2015, 639, 47-51.	1.2	6
72	Plasmon-driven surface catalysis in hybridized plasmonic gap modes. Scientific Reports, 2015, 4, 7087.	1.6	49

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73	Electromagnetic field redistribution in coupled plasmonic nanoparticle dimer-dielectric substrate system. <i>Chemical Physics Letters</i> , 2015, 619, 139-143.	1.2	21
74	Near-Infrared Properties of Hybridized Plasmonic Rectangular Split Nanorings. <i>Chinese Physics Letters</i> , 2014, 31, 067803.	1.3	5
75	Nanowire-supported plasmonic waveguide for remote excitation of surface-enhanced Raman scattering. <i>Light: Science and Applications</i> , 2014, 3, e199-e199.	7.7	190
76	Gold crescent nanodisk array for nanoantenna-enhanced sensing in subwavelength areas. <i>Applied Optics</i> , 2014, 53, 7236.	2.1	16
77	Fano resonance properties of gold nanocrescent arrays. <i>Applied Optics</i> , 2014, 53, 6431.	0.9	3
78	Selective plasmonic trapping in periodic gold polygon tetramers. <i>Superlattices and Microstructures</i> , 2014, 75, 593-600.	1.4	3
79	Reduced linewidth multipolar plasmon resonances in metal nanorods and related applications. <i>Nanoscale</i> , 2013, 5, 6985.	2.8	78
80	Electromagnetic field redistribution in hybridized plasmonic particle-film system. <i>Applied Physics Letters</i> , 2013, 102, 153108.	1.5	48
81	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.	4.2	20
82	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.	1.5	44
83	The pH-Controlled Plasmon-Assisted Surface Photocatalysis Reaction of 4-Aminothiophenol to p,p'-Dimercaptoazobenzene on Au, Ag, and Cu Colloids. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9629-9636.	1.5	149
84	Propagating plasmons on silver nanowires. , 2010, , .		0
85	Ultrasonic-Assisted Synthesis of Au Nanobelts and Nanowires. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 7515-7518.	0.9	6
86	Local and Remote Charge-Transfer-Enhanced Raman Scattering on One-Dimensional Transition-Metal Oxides. <i>Chemistry - an Asian Journal</i> , 2010, 5, 1824-1829.	1.7	42
87	Correlation between Incident and Emission Polarization in Nanowire Surface Plasmon Waveguides. <i>Nano Letters</i> , 2010, 10, 1831-1835.	4.5	144
88	Controlled Synthesis of Uniform Silver Nanospheres. <i>Journal of Physical Chemistry C</i> , 2010, 114, 7427-7431.	1.5	116
89	Coloring fluorescence emission with silver nanowires. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	50
90	Branched Silver Nanowires as Controllable Plasmon Routers. <i>Nano Letters</i> , 2010, 10, 1950-1954.	4.5	264

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91	Can <i>p</i> -Dimercaptoazobisbenzene Be Produced from <i>p</i> -Aminothiophenol by Surface Photochemistry Reaction in the Junctions of a Ag Nanoparticle~Molecule~Ag (or Au) Film?. Journal of Physical Chemistry C, 2010, 114, 18263-18269.	1.5	114
92	Directional Light Emission from Propagating Surface Plasmons of Silver Nanowires. Nano Letters, 2009, 9, 4383-4386.	4.5	139
93	Surfactant-Promoted Reductive Synthesis of Shape-Controlled Gold Nanostructures. Crystal Growth and Design, 2009, 9, 858-862.	1.4	59
94	Control light propagation and polarization with plasmons for surface-enhanced Raman scattering. , 2009, , .		0
95	Polarization Dependence of Surface-Enhanced Raman Scattering in Gold Nanoparticle~Nanowire Systems. Nano Letters, 2008, 8, 2497-2502.	4.5	268
96	Two-Camera Phase Measuring Profilometry System. Applied Mechanics and Materials, 0, 462-463, 3-8.	0.2	0
97	Self-assembly 2D Plasmonic Nanorice Film for SERS. Chinese Physics B, 0, , .	0.7	0
98	Light Focusing in Linear Arranged Symmetric Nanoparticle Trimer on Metal Film System. Chinese Physics B, 0, , .	0.7	1