

Hongxing Xu

List of Publications by Year in descending order

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Version: 2024-02-01

201
papers

19,671
citations

16411

64
h-index

11030

137
g-index

203
all docs

203
docs citations

203
times ranked

14971
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of twist-angle-dependent excitons in WS ₂ /WSe ₂ heterobilayers. National Science Review, 2022, 9, .	4.6	9
2	Defects inducing anomalous exciton kinetics in monolayer WS ₂ . Nano Research, 2022, 15, 1616-1622.	5.8	9
3	Uniform light emission from electrically driven plasmonic grating using multilayer tunneling barriers. Chinese Physics B, 2022, 31, 017803.	0.7	3
4	Surface-enhanced Raman scattering beyond plasmonics. Frontiers of Physics, 2022, 17, 1.	2.4	1
5	Ultrafast dynamics of exciton-polariton in optically tailored potential landscapes at room temperature. Journal of Physics Condensed Matter, 2022, 34, 024001.	0.7	6
6	In Situ Raman Probing of Hot-Electron Transfer at Gold-Graphene Interfaces with Atomic Layer Accuracy. Angewandte Chemie - International Edition, 2022, 61, .	7.2	24
7	Plasmon enhanced light-matter interaction of rice-like nanorods by a cube-plate nanocavity. Nanoscale Advances, 2022, 4, 1145-1150.	2.2	1
8	Remote Dual-Cavity Enhanced Second Harmonic Generation in a Hybrid Plasmonic Waveguide. Nano Letters, 2022, 22, 688-694.	4.5	13
9	Revealing the Competition between Defect-Trapped Exciton and Band-Edge Exciton Photoluminescence in Monolayer Hexagonal WS ₂ . Advanced Optical Materials, 2022, 10, .	3.6	8
10	On-Chip Detection of Multiwavelength Surface Plasmon Polaritons Based on Plasmonic Demultiplexers. ACS Photonics, 2022, 9, 391-397.	3.2	12
11	Circular Polarization Conversion in Single Plasmonic Spherical Particles. Nano Letters, 2022, 22, 1504-1510.	4.5	2
12	Switching plasmonic nanogaps between classical and quantum regimes with supramolecular interactions. Science Advances, 2022, 8, eabj9752.	4.7	11
13	Plasmon-assisted nanophase engineering of titanium dioxide for improved performances in single-particle based sensing and photocatalysis. Nanoscale, 2022, 14, 4705-4711.	2.8	10
14	Local controllability of hot electron and thermal effects enabled by chiral plasmonic nanostructures. Nanophotonics, 2022, 11, 1195-1202.	2.9	4
15	Femtosecond Dynamics of a Polariton Bosonic Cascade at Room Temperature. Nano Letters, 2022, 22, 2023-2029.	4.5	7
16	Fundamentals of Surface Plasmons. , 2022, , 1-30.		0
17	Beyond the Phase Segregation: Probing the Irreversible Phase Reconstruction of Mixed-Halide Perovskites. Advanced Science, 2022, 9, e2103948.	5.6	17
18	Ultraflexible Photothermal Superhydrophobic Coating with Multifunctional Applications Based on Plasmonic TiN Nanoparticles. Advanced Optical Materials, 2022, 10, .	3.6	18

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19	Unified Scattering and Photoluminescence Spectra for Strong Plasmon-Exciton Coupling. Physical Review Letters, 2022, 128, 167402.	2.9	22
20	Cost-Effective Calculation of Collective Electronic Excitations in Graphite Intercalated Compounds. Nanomaterials, 2022, 12, 1746.	1.9	1
21	Merging bound states in the continuum by harnessing higher-order topological charges. Light: Science and Applications, 2022, 11, .	7.7	38
22	Understanding the lineshape of surface-enhanced infrared absorption spectra. National Science Review, 2021, 8, nwaa240.	4.6	2
23	Emerging Light-Emitting Materials for Photonic Integration. Advanced Materials, 2021, 33, e2003733.	11.1	25
24	Nanolayered Tamm Plasmon-Based Multicolor Hot Electron Photodetection for O- and C-Band Telecommunication. ACS Applied Electronic Materials, 2021, 3, 639-650.	2.0	12
25	A high speed electrically switching reflective structural color display with large color gamut. Nanoscale, 2021, 13, 1164-1171.	2.8	8
26	Rotational Doppler cooling and heating. Science Advances, 2021, 7, .	4.7	8
27	High-Q Plasmonic Resonances: Fundamentals and Applications. Advanced Optical Materials, 2021, 9, 2001520.	3.6	98
28	An enhanced plasmonic photothermal effect for crystal transformation by a heat-trapping structure. Nanoscale, 2021, 13, 4585-4591.	2.8	10
29	Controlling the immobilization process of an optically enhanced protein microarray for highly reproducible immunoassay. Nanoscale, 2021, 13, 4269-4277.	2.8	1
30	Efficient single-photon emission from a nanowire quantum dot coupled to a plasmonic nanoantenna. Journal of Lightwave Technology, 2021, , 1-1.	2.7	6
31	Superradiative plasmonic nanoantenna biosensors enable sensitive immunoassay using the naked eye. Nanoscale, 2021, 13, 2429-2435.	2.8	9
32	Ultrathin, broadband, omnidirectional, and polarization-independent infrared absorber using all-dielectric refractory materials. Nanophotonics, 2021, 10, 1683-1690.	2.9	16
33	Merging Bound States in the Continuum at Off-High Symmetry Points. Physical Review Letters, 2021, 126, 117402.	2.9	107
34	Multiplasmons-Pumped Excited-State Absorption and Energy Transfer Upconversion of Rare-Earth-Doped Luminescence beyond the Diffraction Limit. ACS Photonics, 2021, 8, 1335-1343.	3.2	15
35	Plasmonic hot-electron photodetection with quasi-bound states in the continuum and guided resonances. Nanophotonics, 2021, 10, 1911-1921.	2.9	19
36	Coherent Excitation and Control of Plasmons on Gold Using Two-Dimensional Transition Metal Dichalcogenides. ACS Photonics, 2021, 8, 1607-1615.	3.2	6

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37	Self-Constructed Multiple Plasmonic Hotspots on an Individual Fractal to Amplify Broadband Hot Electron Generation. ACS Nano, 2021, 15, 10553-10564.	7.3	37
38	Switchable Electrically Driven Optical Antenna Based on Ultrathin Amorphous Silica. Advanced Optical Materials, 2021, 9, 2100191.	3.6	5
39	Engineering plasmonic hot carrier dynamics toward efficient photodetection. Applied Physics Reviews, 2021, 8, .	5.5	47
40	Single-shot imaging of surface molecular ionization in nanosystems. Nanophotonics, 2021, 10, 2651-2660.	2.9	6
41	Unified treatment of scattering, absorption, and luminescence spectra from a plasmonâ€“exciton hybrid by temporal coupled-mode theory. Journal of Chemical Physics, 2021, 155, 074104.	1.2	6
42	Plasmonâ€“Exciton Interactions: Spontaneous Emission and Strong Coupling. Advanced Functional Materials, 2021, 31, 2100889.	7.8	44
43	Nonlinear nanophotonics based on surface plasmon polaritons. Applied Physics Letters, 2021, 119, .	1.5	17
44	Chiral Optofluidics with a Plasmonic Metasurface Using the Photothermal Effect. ACS Nano, 2021, 15, 16357-16367.	7.3	23
45	Plasmon-Directed On-Wire Growth of Branched Silver Nanowires with Chiroptic Activity. ACS Nano, 2021, 15, 16404-16410.	7.3	8
46	A topâ€“down fabricated gold nanostrip on a silicon-on-insulator wafer: a promising building block towards ultra-compact optical devices. Nanoscale, 2021, 13, 1904-1914.	2.8	1
47	Strong plasmonâ€“exciton coupling in transition metal dichalcogenides and plasmonic nanostructures. Nanoscale, 2021, 13, 4408-4419.	2.8	44
48	Present and Future of Surface-Enhanced Raman Scattering. ACS Nano, 2020, 14, 28-117.	7.3	2,153
49	Reduced loss of plasmon propagation in a Ag nanowire on Si substrate. Nano Energy, 2020, 68, 104322.	8.2	8
50	Anomalous Thermodiffusion of Electrons in Graphene. Physical Review Letters, 2020, 125, 176802.	2.9	4
51	Efficient Frequency Mixing of Guided Surface Waves by Atomically Thin Nonlinear Crystals. Nano Letters, 2020, 20, 7956-7963.	4.5	17
52	Giant photothermoelectric effect in silicon nanoribbon photodetectors. Light: Science and Applications, 2020, 9, 120.	7.7	24
53	Direct visualization of phase-matched efficient second harmonic and broadband sum frequency generation in hybrid plasmonic nanostructures. Light: Science and Applications, 2020, 9, 180.	7.7	24
54	Continuous Tuning of Auâ€“Cu₂O Janus Nanostructures for Efficient Charge Separation. Angewandte Chemie - International Edition, 2020, 59, 22246-22251.	7.2	69

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55	Precursor-Mediated Linear- and Branched-Polytypism Control in Cu _{1±} Zn _{1±} Sn _{1±} Se _{1±} Colloidal Nanocrystals Using a Dual-Injection Method. <i>Chemistry of Materials</i> , 2020, 32, 7254-7262.	3.2	7
56	Malus-metasurface-assisted polarization multiplexing. <i>Light: Science and Applications</i> , 2020, 9, 101.	7.7	176
57	Enabling and Controlling Negative Photoconductance of FePS ₃ Nanosheets by Hot Carrier Trapping. <i>Advanced Optical Materials</i> , 2020, 8, 2000201.	3.6	19
58	In Situ Raman Monitoring and Manipulating of Interfacial Hydrogen Spillover by Precise Fabrication of Au/TiO ₂ /Pt Sandwich Structures. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10343-10347.	7.2	70
59	In Situ Raman Monitoring and Manipulating of Interfacial Hydrogen Spillover by Precise Fabrication of Au/TiO ₂ /Pt Sandwich Structures. <i>Angewandte Chemie</i> , 2020, 132, 10429-10433.	1.6	44
60	Selectively Depopulating Valley-Polarized Excitons in Monolayer MoS ₂ by Local Chirality in Single Plasmonic Nanocavity. <i>Nano Letters</i> , 2020, 20, 4953-4959.	4.5	45
61	Band structure, effective mass, and carrier mobility of few-layer <i>h</i> -AlN under layer and strain engineering. <i>APL Materials</i> , 2020, 8, .	2.2	28
62	Duplicating Plasmonic Hotspots by Matched Nanoantenna Pairs for Remote Nanogap Enhanced Spectroscopy. <i>Nano Letters</i> , 2020, 20, 3499-3505.	4.5	27
63	Azo-Dimerization Mechanisms of <i>p</i> -Aminothiophenol and <i>p</i> -Nitrothiophenol Molecules on Plasmonic Metal Surfaces Revealed by Tip-/Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11586-11594.	1.5	16
64	Temperature-dependent dark-field scattering of single plasmonic nanocavity. <i>Nanophotonics</i> , 2020, 9, 3347-3356.	2.9	13
65	Self-suspended rare-earth doped up-conversion luminescent waveguide: propagating and directional radiation. <i>Opto-Electronic Advances</i> , 2020, 3, 190045-190045.	6.4	8
66	Magnetically activated rotational vacuum friction. <i>Physical Review A</i> , 2019, 99, .	1.0	14
67	Plasmon-Driven Catalysis on Molecules and Nanomaterials. <i>Accounts of Chemical Research</i> , 2019, 52, 2506-2515.	7.6	197
68	Circular Dichroism in Rotating Particles. <i>Physical Review Letters</i> , 2019, 123, 066803.	2.9	12
69	Routing a Chiral Raman Signal Based on Spin-Orbit Interaction of Light. <i>Physical Review Letters</i> , 2019, 123, 183903.	2.9	45
70	Simultaneous Surface-Enhanced Resonant Raman and Fluorescence Spectroscopy of Monolayer MoSe ₂ : Determination of Ultrafast Decay Rates in Nanometer Dimension. <i>Nano Letters</i> , 2019, 19, 6284-6291.	4.5	71
71	Ultrafast Modulation of Exciton-Plasmon Coupling in a Monolayer WS ₂ -Ag Nanodisk Hybrid System. <i>ACS Photonics</i> , 2019, 6, 2832-2840.	3.2	52
72	Silver nano-needles: focused optical field induced solution synthesis and application in remote-excitation nanofocusing SERS. <i>Nanoscale</i> , 2019, 11, 2153-2161.	2.8	16

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73	Efficient Second Harmonic Generation in a Hybrid Plasmonic Waveguide by Mode Interactions. <i>Nano Letters</i> , 2019, 19, 3838-3845.	4.5	47
74	Photothermal Modulation of Propagating Surface Plasmons on Silver Nanowires. <i>ACS Photonics</i> , 2019, 6, 2133-2140.	3.2	28
75	Analytical analysis of spectral sensitivity of plasmon resonances in a nanocavity. <i>Nanoscale</i> , 2019, 11, 10977-10983.	2.8	15
76	Real-time Raman detection by the cavity mode enhanced Raman scattering. <i>Nano Research</i> , 2019, 12, 1643-1649.	5.8	21
77	Kagome bands disguised in a coloring-triangle lattice. <i>Physical Review B</i> , 2019, 99, .	1.1	42
78	Topological band evolution between Lieb and kagome lattices. <i>Physical Review B</i> , 2019, 99, .	1.1	66
79	Closely packed metallic nanocuboid dimer allowing plasmomechanical strong coupling. <i>Physical Review A</i> , 2019, 99, .	1.0	10
80	Electrically Driven Highly Tunable Cavity Plasmons. <i>ACS Photonics</i> , 2019, 6, 823-829.	3.2	26
81	Steering Second-Harmonic Beams in Nanophotonic Waveguides by Gratings. <i>ACS Photonics</i> , 2019, 6, 3142-3149.	3.2	7
82	Light-controlled nanoswitches: from fabrication to photoelectric switching. <i>Nanoscale</i> , 2019, 11, 18496-18500.	2.8	8
83	Electrically Driven Optical Antennas Based on Template Dielectrophoretic Trapping. <i>ACS Nano</i> , 2019, 13, 14041-14047.	7.3	19
84	Probing of sub-picometer vertical differential resolutions using cavity plasmons. <i>Nature Communications</i> , 2018, 9, 801.	5.8	89
85	Plasmon-Assisted Selective and Super-Resolving Excitation of Individual Quantum Emitters on a Metal Nanowire. <i>Nano Letters</i> , 2018, 18, 2009-2015.	4.5	26
86	Plasmon Waveguiding in Nanowires. <i>Chemical Reviews</i> , 2018, 118, 2882-2926.	23.0	179
87	Ultrasensitive nanosensors based on localized surface plasmon resonances: From theory to applications. <i>Chinese Physics B</i> , 2018, 27, 107403.	0.7	34
88	Light-Emitting Plexciton: Exploiting Plasmon-Exciton Interaction in the Intermediate Coupling Regime. <i>ACS Nano</i> , 2018, 12, 10393-10402.	7.3	151
89	Plasmon-directed polymerization: Regulating polymer growth with light. <i>Nano Research</i> , 2018, 11, 6384-6390.	5.8	47
90	Probing the limits of plasmonic enhancement using a two-dimensional atomic crystal probe. <i>Light: Science and Applications</i> , 2018, 7, 56.	7.7	94

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91	Lithographically fabricated gold nanowire waveguides for plasmonic routers and logic gates. <i>Nanoscale</i> , 2018, 10, 11923-11929.	2.8	24
92	Lithographically fabricated gold nanowire waveguides for plasmonic routers and logic gates. , 2018, , .		0
93	The nonmonotonous shift of quantum plasmon resonance and plasmon-enhanced photocatalytic activity of gold nanoparticles. <i>Nanoscale</i> , 2017, 9, 3188-3195.	2.8	18
94	Hotâ€Electronâ€Mediated Photochemical Reactions: Principles, Recent Advances, and Challenges. <i>Advanced Optical Materials</i> , 2017, 5, 1700004.	3.6	142
95	Manipulating Coherent Plasmonâ€Exciton Interaction in a Single Silver Nanorod on Monolayer <i>WSe</i> ₂ . <i>Nano Letters</i> , 2017, 17, 3809-3814.	4.5	270
96	Assembling Ordered Nanorod Superstructures and Their Application as Microcavity Lasers. <i>Scientific Reports</i> , 2017, 7, 43884.	1.6	22
97	Hotâ€Electronâ€Mediated Reactions: Hotâ€Electronâ€Mediated Photochemical Reactions: Principles, Recent Advances, and Challenges (<i>Advanced Optical Materials</i> 15/2017). <i>Advanced Optical Materials</i> , 2017, 5, .	3.6	4
98	Transversely Divergent Second Harmonic Generation by Surface Plasmon Polaritons on Single Metallic Nanowires. <i>Nano Letters</i> , 2017, 17, 7803-7808.	4.5	63
99	Topologically protected Dirac plasmons in a graphene superlattice. <i>Nature Communications</i> , 2017, 8, 1243.	5.8	66
100	Lithographically Defined, Room Temperature Low Threshold Subwavelength Red-Emitting Hybrid Plasmonic Lasers. <i>Nano Letters</i> , 2016, 16, 7822-7828.	4.5	23
101	Strong Spin-Orbit Interaction of Light in Plasmonic Nanostructures and Nanocircuits. <i>Physical Review Letters</i> , 2016, 117, 166803.	2.9	99
102	Nanoantenna effect of surface-enhanced Raman scattering: managing light with plasmons at the nanometer scale. <i>Advances in Physics: X</i> , 2016, 1, 492-521.	1.5	10
103	Direction-resolved radiation from polarization-controlled surface plasmon modes on silver nanowire antennas. <i>Nanoscale</i> , 2016, 8, 20118-20124.	2.8	25
104	Guided transport of nanoparticles by plasmonic nanowires. <i>Nanoscale</i> , 2016, 8, 19195-19199.	2.8	20
105	Tunable dark plasmons in a metallic nanocube dimer: toward ultimate sensitivity nanoplasmonic sensors. <i>Nanoscale</i> , 2016, 8, 13722-13729.	2.8	54
106	Resonance shifts and spill-out effects in self-consistent hydrodynamic nanoplasmonics. <i>Nature Communications</i> , 2015, 6, 7132.	5.8	250
107	Anomalously Weak Scattering in Metal-Semiconductor Multilayer Hyperbolic Metamaterials. <i>Physical Review X</i> , 2015, 5, .	2.8	21
108	Strong tunability of cooperative energy transfer in Mn ²⁺ -doped (Yb ³⁺ , Er ³⁺)/NaYF ₄ nanocrystals by coupling with silver nanorod array. <i>Nano Research</i> , 2015, 8, 2970-2977.	5.8	21

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109	Nanoscale Imaging of Local Few-Femtosecond Near-Field Dynamics within a Single Plasmonic Nanoantenna. <i>Nano Letters</i> , 2015, 15, 6601-6608.	4.5	81
110	Routing of surface plasmons in silver nanowire networks controlled by polarization and coating. <i>Nanoscale</i> , 2015, 7, 19053-19059.	2.8	39
111	Photoemission electron microscopy of localized surface plasmons in silver nanostructures at telecommunication wavelengths. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	5
112	Quantum Yield of Single Surface Plasmons Generated by a Quantum Dot Coupled with a Silver Nanowire. <i>Nano Letters</i> , 2015, 15, 8181-8187.	4.5	49
113	Directionally-Controlled Periodic Collimated Beams of Surface Plasmon Polaritons on Metal Film in Ag Nanowire/Al ₂ O ₃ /Ag Film Composite Structure. <i>Nano Letters</i> , 2015, 15, 560-564.	4.5	37
114	Plasmonic Gradient Effects on High Vacuum Tip-Enhanced Raman Spectroscopy. <i>Advanced Optical Materials</i> , 2014, 2, 74-80.	3.6	63
115	Tip-Enhanced Raman Spectroscopy: Plasmon-Driven Selective Reductions Revealed by Tip-Enhanced Raman Spectroscopy (<i>Adv. Mater. Interfaces</i> 5(2014)). <i>Advanced Materials Interfaces</i> , 2014, 1, n/a-n/a.	1.9	1
116	Controlling the radiation direction of propagating surface plasmons on silver nanowires. <i>Laser and Photonics Reviews</i> , 2014, 8, 596-601.	4.4	38
117	Hot electron photoemission from plasmonic nanoparticles: Role of transient absorption in surface mechanism. , 2014, , .		0
118	Plasmon-Driven Selective Reductions Revealed by Tip-Enhanced Raman Spectroscopy. <i>Advanced Materials Interfaces</i> , 2014, 1, 1300125.	1.9	44
119	Recent Advances in Plasmonic Sensors. <i>Sensors</i> , 2014, 14, 7959-7973.	2.1	182
120	Resolving Single Plasmons Generated by Multiquantum-Emitters on a Silver Nanowire. <i>Nano Letters</i> , 2014, 14, 3358-3363.	4.5	64
121	Single Nanoparticle Couplers for Plasmonic Waveguides. <i>Small</i> , 2014, 10, 4264-4269.	5.2	25
122	Visualized method of chemical enhancement mechanism on SERS and TERS. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 533-540.	1.2	107
123	Mode Conversion of Propagating Surface Plasmons in Nanophotonic Networks Induced by Structural Symmetry Breaking. <i>Scientific Reports</i> , 2014, 4, .	1.6	45
124	Reduced linewidth multipolar plasmon resonances in metal nanorods and related applications. <i>Nanoscale</i> , 2013, 5, 6985.	2.8	78
125	Tip-Enhanced Ultrasensitive Stokes and Anti-Stokes Raman Spectroscopy in High Vacuum. <i>Plasmonics</i> , 2013, 8, 523-527.	1.8	15
126	Surface enhanced fluorescence and Raman scattering by gold nanoparticle dimers and trimers. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	66

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127	Tip-Enhanced Resonance Couplings Revealed by High Vacuum Tip-Enhanced Raman Spectroscopy. <i>Advanced Optical Materials</i> , 2013, 1, 449-455.	3.6	39
128	Asymmetric Silver Nanocarrot Structures: Solution Synthesis and Their Asymmetric Plasmonic Resonances. <i>Journal of the American Chemical Society</i> , 2013, 135, 9616-9619.	6.6	43
129	New progress of plasmonics in complex metal nanostructures. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013, 56, 2327-2336.	2.0	9
130	Optical interferometric logic gates based on metal slot waveguide network realizing whole fundamental logic operations. <i>Optics Express</i> , 2013, 21, 9556.	1.7	88
131	Plasmonic Amplification with Ultra-High Optical Gain at Room Temperature. <i>Scientific Reports</i> , 2013, 3, 1967.	1.6	55
132	Secondary electron imaging of nanostructures using Extreme Ultra-Violet attosecond pulse trains and Infra-Red femtosecond pulses. <i>Annalen Der Physik</i> , 2013, 525, 162-170.	0.9	14
133	Remotely excited Raman optical activity using chiral plasmon propagation in Ag nanowires. <i>Light: Science and Applications</i> , 2013, 2, e112-e112.	7.7	185
134	Highly tunable propagating surface plasmons on supported silver nanowires. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4494-4499.	3.3	117
135	In-situ plasmon-driven chemical reactions revealed by high vacuum tip-enhanced Raman spectroscopy. <i>Scientific Reports</i> , 2012, 2, 647.	1.6	254
136	Nanowire-based plasmonic waveguides and devices for integrated nanophotonic circuits. <i>Nanophotonics</i> , 2012, 1, 155-169.	2.9	111
137	Controlling surface plasmon interference in branched silver nanowire structures. <i>Nanoscale</i> , 2012, 4, 7149.	2.8	26
138	Ascertaining genuine SERS spectra of p-aminothiophenol. <i>RSC Advances</i> , 2012, 2, 8289.	1.7	33
139	Enormous Surface-Enhanced Raman Scattering from Dimers of Flower-Like Silver Mesoparticles. <i>Small</i> , 2012, 8, 3400-3405.	5.2	30
140	Optimizing Substrate-Mediated Plasmon Coupling toward High-Performance Plasmonic Nanowire Waveguides. <i>ACS Nano</i> , 2012, 6, 8128-8135.	7.3	116
141	Silver Nanorice Structures: Oriented Attachment-Dominated Growth, High Environmental Sensitivity, and Real-Space Visualization of Multipolar Resonances. <i>Chemistry of Materials</i> , 2012, 24, 2339-2346.	3.2	71
142	Plasmonic Properties of Gold Nanoparticles Separated from a Gold Mirror by an Ultrathin Oxide. <i>Nano Letters</i> , 2012, 12, 2088-2094.	4.5	256
143	Relationship between Length and Surface-Enhanced Raman Spectroscopy Signal Strength in Metal Nanoparticle Chains: Ideal Models versus Nanofabrication. <i>Journal of Nanotechnology</i> , 2012, 2012, 1-7.	1.5	7
144	Polarization-Dependent Study on Propagating Surface Plasmons in Silver Nanowires Launched by a Near-Field Scanning Optical Fiber Tip. <i>Small</i> , 2012, 8, 2641-2646.	5.2	18

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145	A Novel Application of Plasmonics: Plasmon-Driven Surface-Catalyzed Reactions. <i>Small</i> , 2012, 8, 2777-2786.	5.2	409
146	Selective reduction of nitroaromatic compounds on silver nanoparticles by visible light. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1024-1028.	1.2	7
147	Surface enhanced fluorescence by porous alumina with nanohole arrays. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012, 55, 767-771.	2.0	14
148	Thermal detection of surface plasmons on gold nanohole arrays. <i>Science Bulletin</i> , 2012, 57, 68-71.	1.7	3
149	Substrate-, Wavelength-, and Time-Dependent Plasmon-Assisted Surface Catalysis Reaction of 4-Nitrobenzenethiol Dimerizing to <i>p,p'</i> -Dimercaptoazobenzene on Au, Ag, and Cu Films. <i>Langmuir</i> , 2011, 27, 10677-10682.	1.6	223
150	Light Propagation in Curved Silver Nanowire Plasmonic Waveguides. <i>Nano Letters</i> , 2011, 11, 1603-1608.	4.5	221
151	Acid-directed synthesis of SERS-active hierarchical assemblies of silver nanostructures. <i>Journal of Materials Chemistry</i> , 2011, 21, 2495-2501.	6.7	106
152	The pH-Controlled Plasmon-Assisted Surface Photocatalysis Reaction of 4-Aminothiophenol to <i>p,p'</i> -Dimercaptoazobenzene on Au, Ag, and Cu Colloids. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9629-9636.	1.5	149
153	Cascaded logic gates in nanophotonic plasmon networks. <i>Nature Communications</i> , 2011, 2, 387.	5.8	412
154	Quantum Dot-Based Local Field Imaging Reveals Plasmon-Based Interferometric Logic in Silver Nanowire Networks. <i>Nano Letters</i> , 2011, 11, 471-475.	4.5	267
155	Substrate-Induced Fano Resonances of a Plasmonic Nanocube: A Route to Increased-Sensitivity Localized Surface Plasmon Resonance Sensors Revealed. <i>Nano Letters</i> , 2011, 11, 1657-1663.	4.5	649
156	Chiral Surface Plasmon Polaritons on Metallic Nanowires. <i>Physical Review Letters</i> , 2011, 107, 096801.	2.9	225
157	Unidirectional Broadband Light Emission from Supported Plasmonic Nanowires. <i>Nano Letters</i> , 2011, 11, 706-711.	4.5	205
158	Remote Excitation Polarization-Dependent Surface Photochemical Reaction by Plasmonic Waveguide. <i>Plasmonics</i> , 2011, 6, 681-687.	1.8	45
159	Coherent Modulation of Propagating Plasmons in Silver-Nanowire-Based Structures. <i>Small</i> , 2011, 7, 593-596.	5.2	74
160	Is 4-Nitrobenzenethiol converted to <i>p,p'</i> -dimercaptoazobenzene or 4-aminothiophenol by surface photochemistry reaction?. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1205-1206.	1.2	119
161	Ultrasonic-Assisted Synthesis of Au Nanobelts and Nanowires. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 7515-7518.	0.9	6
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