Hongxing Xu

List of Publications by Year in descending order

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201 papers	19,671 citations	16451 64 h-index	11052 137 g-index
203 all docs	203 docs citations	203 times ranked	14971 citing authors

#	Article	IF	Citations
1	Spectroscopy of Single Hemoglobin Molecules by Surface Enhanced Raman Scattering. Physical Review Letters, 1999, 83, 4357-4360.	7.8	2,270
2	Present and Future of Surface-Enhanced Raman Scattering. ACS Nano, 2020, 14, 28-117.	14.6	2,153
3	Electromagnetic contributions to single-molecule sensitivity in surface-enhanced Raman scattering. Physical Review E, 2000, 62, 4318-4324.	2.1	1,484
4	Substrate-Induced Fano Resonances of a Plasmonic Nanocube: A Route to Increased-Sensitivity Localized Surface Plasmon Resonance Sensors Revealed. Nano Letters, 2011, 11, 1657-1663.	9.1	649
5	Surface-Plasmon-Enhanced Optical Forces in Silver Nanoaggregates. Physical Review Letters, 2002, 89, 246802.	7.8	456
6	Cascaded logic gates in nanophotonic plasmon networks. Nature Communications, 2011, 2, 387.	12.8	412
7	A Novel Application of Plasmonics: Plasmonâ€Driven Surfaceâ€Catalyzed Reactions. Small, 2012, 8, 2777-2786.	10.0	409
8	Highly Surfaceâ€roughened â€œFlowerâ€likeâ€•Silver Nanoparticles for Extremely Sensitive Substrates of Surfaceâ€enhanced Raman Scattering. Advanced Materials, 2009, 21, 4614-4618.	21.0	361
9	Ascertaining p,pâ€²-Dimercaptoazobenzene Produced from p-Aminothiophenol by Selective Catalytic Coupling Reaction on Silver Nanoparticles. Langmuir, 2010, 26, 7737-7746.	3.5	343
10	Surface-enhanced Raman scattering and fluorescence near metal nanoparticles. Physical Review B, 2005, 72, .	3.2	274
11	Manipulating Coherent Plasmonâ€“Exciton Interaction in a Single Silver Nanorod on Monolayer WSe₂. Nano Letters, 2017, 17, 3809-3814.	9.1	270
12	Polarization Dependence of Surface-Enhanced Raman Scattering in Gold Nanoparticleâ^'Nanowire Systems. Nano Letters, 2008, 8, 2497-2502.	9.1	268
13	Quantum Dot-Based Local Field Imaging Reveals Plasmon-Based Interferometric Logic in Silver Nanowire Networks. Nano Letters, 2011, 11, 471-475.	9.1	267
14	Branched Silver Nanowires as Controllable Plasmon Routers. Nano Letters, 2010, 10, 1950-1954.	9.1	264
15	Plasmonic Properties of Gold Nanoparticles Separated from a Gold Mirror by an Ultrathin Oxide. Nano Letters, 2012, 12, 2088-2094.	9.1	256
16	In-situ plasmon-driven chemical reactions revealed by high vacuum tip-enhanced Raman spectroscopy. Scientific Reports, 2012, 2, 647.	3.3	254
17	Resonance shifts and spill-out effects in self-consistent hydrodynamic nanoplasmonics. Nature Communications, 2015, 6, 7132.	12.8	250
18	Surface-Enhanced Raman Spectroscopy and Nanogeometry:â€‰ The Plasmonic Origin of SERS. Journal of Physical Chemistry C, 2007, 111, 17985-17988.	3.1	248

#	Article	IF	Citations
19	Chiral Surface Plasmon Polaritons on Metallic Nanowires. Physical Review Letters, 2011, 107, 096801.	7.8	225
20	Substrate-, Wavelength-, and Time-Dependent Plasmon-Assisted Surface Catalysis Reaction of 4-Nitrobenzenethiol Dimerizing to p,pâ€²-Dimercaptoazobenzene on Au, Ag, and Cu Films. Langmuir, 2011, 27, 10677-10682.	3.5	223
21	Light Propagation in Curved Silver Nanowire Plasmonic Waveguides. Nano Letters, 2011, 11, 1603-1608.	9.1	221
22	Remote-Excitation Surface-Enhanced Raman Scattering Using Propagating Ag Nanowire Plasmons. Nano Letters, 2009, 9, 2049-2053.	9.1	209
23	Unidirectional Broadband Light Emission from Supported Plasmonic Nanowires. Nano Letters, 2011, 11, 706-711.	9.1	205
24	Plasmon-Driven Catalysis on Molecules and Nanomaterials. Accounts of Chemical Research, 2019, 52, 2506-2515.	15.6	197
25	Unified Treatment of Fluorescence and Raman Scattering Processes near Metal Surfaces. Physical Review Letters, 2004, 93, 243002.	7.8	191
26	Electromagnetic field enhancement in TERS configurations. Journal of Raman Spectroscopy, 2009, 40, 1343-1348.	2.5	187
27	Remotely excited Raman optical activity using chiral plasmon propagation in Ag nanowires. Light: Science and Applications, 2013, 2, e112-e112.	16.6	185
28	Recent Advances in Plasmonic Sensors. Sensors, 2014, 14, 7959-7973.	3.8	182
29	Propagating Surface Plasmon Induced Photon Emission from Quantum Dots. Nano Letters, 2009, 9, 4168-4171.	9.1	181
30	Plasmon Waveguiding in Nanowires. Chemical Reviews, 2018, 118, 2882-2926.	47.7	179
31	Malus-metasurface-assisted polarization multiplexing. Light: Science and Applications, 2020, 9, 101.	16.6	176
32	Polarization-Dependent Surface-Enhanced Raman Spectroscopy of Isolated Silver Nanoaggregates. ChemPhysChem, 2003, 4, 1001-1005.	2.1	170
33	Light-Emitting Plexciton: Exploiting Plasmonâ€“Exciton Interaction in the Intermediate Coupling Regime. ACS Nano, 2018, 12, 10393-10402.	14.6	151
34	The pH-Controlled Plasmon-Assisted Surface Photocatalysis Reaction of 4-Aminothiophenol top,pâ€²-Dimercaptoazobenzene on Au, Ag, and Cu Colloids. Journal of Physical Chemistry C, 2011, 115, 9629-9636.	3.1	149
35	Correlation between Incident and Emission Polarization in Nanowire Surface Plasmon Waveguides. Nano Letters, 2010, 10, 1831-1835.	9.1	144
36	Hotâ€Electronâ€Mediated Photochemical Reactions: Principles, Recent Advances, and Challenges. Advanced Optical Materials, 2017, 5, 1700004.	7.3	142

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37	Directional Light Emission from Propagating Surface Plasmons of Silver Nanowires. Nano Letters, 2009, 9, 4383-4386.	9.1	139
38	Is 4â€²nitrobenzenethiol converted to p,pâ€²â€²dimercaptoazobenzene or 4â€²aminothiophenol by surface photochemistry reaction?. Journal of Raman Spectroscopy, 2011, 42, 1205-1206.	2.5	119
39	Highly tunable propagating surface plasmons on supported silver nanowires. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4494-4499.	7.1	117
40	Controlled Synthesis of Uniform Silver Nanospheres. Journal of Physical Chemistry C, 2010, 114, 7427-7431.	3.1	116
41	Optimizing Substrate-Mediated Plasmon Coupling toward High-Performance Plasmonic Nanowire Waveguides. ACS Nano, 2012, 6, 8128-8135.	14.6	116
42	Nanowire-based plasmonic waveguides and devices for integrated nanophotonic circuits. Nanophotonics, 2012, 1, 155-169.	6.0	111
43	Visualized method of chemical enhancement mechanism on SERS and TERS. Journal of Raman Spectroscopy, 2014, 45, 533-540.	2.5	107
44	Merging Bound States in the Continuum at Off-High Symmetry Points. Physical Review Letters, 2021, 126, 117402.	7.8	107
45	Acid-directed synthesis of SERS-active hierarchical assemblies of silver nanostructures. Journal of Materials Chemistry, 2011, 21, 2495-2501.	6.7	106
46	Strong Spin-Orbit Interaction of Light in Plasmonic Nanostructures and Nanocircuits. Physical Review Letters, 2016, 117, 166803.	7.8	99
47	Highâ€Q Plasmonic Resonances: Fundamentals and Applications. Advanced Optical Materials, 2021, 9, 2001520.	7.3	98
48	Probing the limits of plasmonic enhancement using a two-dimensional atomic crystal probe. Light: Science and Applications, 2018, 7, 56.	16.6	94
49	A highâ€throughput method for controlled hotâ€spot fabrication in SERSâ€active gold nanoparticle dimer arrays. Journal of Raman Spectroscopy, 2009, 40, 2171-2175.	2.5	91
50	Probing of sub-picometer vertical differential resolutions using cavity plasmons. Nature Communications, 2018, 9, 801.	12.8	89
51	Optical interferometric logic gates based on metal slot waveguide network realizing whole fundamental logic operations. Optics Express, 2013, 21, 9556.	3.4	88
52	Nanoscale Imaging of Local Few-Femtosecond Near-Field Dynamics within a Single Plasmonic Nanoantenna. Nano Letters, 2015, 15, 6601-6608.	9.1	81
53	Field enhancement and molecular response in surface-enhanced Raman scattering and fluorescence spectroscopy. Journal of Raman Spectroscopy, 2005, 36, 510-514.	2.5	79
54	Direct visual evidence for the chemical mechanism of surfaceâ€enhanced resonance Raman scattering via charge transfer. Journal of Raman Spectroscopy, 2009, 40, 137-143.	2.5	79

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55	Reduced linewidth multipolar plasmon resonances in metal nanorods and related applications. Nanoscale, 2013, 5, 6985.	5.6	78
56	Chemical mechanism of surfaceâ€enhanced resonance Raman scattering via charge transfer in pyridineâ€“Ag₂ complex. Journal of Raman Spectroscopy, 2008, 39, 402-408.	2.5	77
57	Coherent Modulation of Propagating Plasmons in Silverâ€Nanowireâ€Based Structures. Small, 2011, 7, 593-596.	10.0	74
58	Silver Nanorice Structures: Oriented Attachment-Dominated Growth, High Environmental Sensitivity, and Real-Space Visualization of Multipolar Resonances. Chemistry of Materials, 2012, 24, 2339-2346.	6.7	71
59	Simultaneous Surface-Enhanced Resonant Raman and Fluorescence Spectroscopy of Monolayer MoSe₂: Determination of Ultrafast Decay Rates in Nanometer Dimension. Nano Letters, 2019, 19, 6284-6291.	9.1	71
60	In Situ Raman Monitoring and Manipulating of Interfacial Hydrogen Spillover by Precise Fabrication of Au/TiO₂/Pt Sandwich Structures. Angewandte Chemie - International Edition, 2020, 59, 10343-10347.	13.8	70
61	Continuous Tuning of Auâ€“Cu₂O Janus Nanostructures for Efficient Charge Separation. Angewandte Chemie - International Edition, 2020, 59, 22246-22251.	13.8	69
62	Effect of a proximal substrate on plasmon propagation in silver nanowires. Physical Review B, 2010, 82, .	3.2	67
63	Surface enhanced fluorescence and Raman scattering by gold nanoparticle dimers and trimers. Journal of Applied Physics, 2013, 113, .	2.5	66
64	Topologically protected Dirac plasmons in a graphene superlattice. Nature Communications, 2017, 8, 1243.	12.8	66
65	Topological band evolution between Lieb and kagome lattices. Physical Review B, 2019, 99, .	3.2	66
66	Resolving Single Plasmons Generated by Multiquantum-Emitters on a Silver Nanowire. Nano Letters, 2014, 14, 3358-3363.	9.1	64
67	Plasmonic Gradient Effects on High Vacuum Tipâ€Enhanced Raman Spectroscopy. Advanced Optical Materials, 2014, 2, 74-80.	7.3	63
68	Transversely Divergent Second Harmonic Generation by Surface Plasmon Polaritons on Single Metallic Nanowires. Nano Letters, 2017, 17, 7803-7808.	9.1	63
69	Tunable surface plasma resonance frequency in Ag core/Au shell nanoparticles system prepared by laser ablation. Applied Physics Letters, 2008, 92, .	3.3	62
70	FDTD for plasmonics: Applications in enhanced Raman spectroscopy. Science Bulletin, 2010, 55, 2635-2642.	1.7	61
71	Surfactant-Promoted Reductive Synthesis of Shape-Controlled Gold Nanostructures. Crystal Growth and Design, 2009, 9, 858-862.	3.0	59
72	Plasmonic Amplification with Ultra-High Optical Gain at Room Temperature. Scientific Reports, 2013, 3, 1967.	3.3	55

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73	Tunable dark plasmons in a metallic nanocube dimer: toward ultimate sensitivity nanoplasmonic sensors. Nanoscale, 2016, 8, 13722-13729.	5.6	54
74	Ultrafast Modulation of Excitonâ€“Plasmon Coupling in a Monolayer WS₂â€“Ag Nanodisk Hybrid System. ACS Photonics, 2019, 6, 2832-2840.	6.6	52
75	Coloring fluorescence emission with silver nanowires. Applied Physics Letters, 2010, 96, .	3.3	50
76	Quantum Yield of Single Surface Plasmons Generated by a Quantum Dot Coupled with a Silver Nanowire. Nano Letters, 2015, 15, 8181-8187.	9.1	49
77	Plasmon-directed polymerization: Regulating polymer growth with light. Nano Research, 2018, 11, 6384-6390.	10.4	47
78	Efficient Second Harmonic Generation in a Hybrid Plasmonic Waveguide by Mode Interactions. Nano Letters, 2019, 19, 3838-3845.	9.1	47
79	Engineering plasmonic hot carrier dynamics toward efficient photodetection. Applied Physics Reviews, 2021, 8, .	11.3	47
80	Remote Excitation Polarization-Dependent Surface Photochemical Reaction by Plasmonic Waveguide. Plasmonics, 2011, 6, 681-687.	3.4	45
81	Mode Conversion of Propagating Surface Plasmons in Nanophotonic Networks Induced by Structural Symmetry Breaking. Scientific Reports, 2014, 4, .	3.3	45
82	Routing a Chiral Raman Signal Based on Spin-Orbit Interaction of Light. Physical Review Letters, 2019, 123, 183903.	7.8	45
83	Selectively Depopulating Valley-Polarized Excitons in Monolayer MoS₂ by Local Chirality in Single Plasmonic Nanocavity. Nano Letters, 2020, 20, 4953-4959.	9.1	45
84	Optical forces on interacting plasmonic nanoparticles in a focused Gaussian beam. Physical Review B, 2008, 77, .	3.2	44
85	Plasmonâ€Driven Selective Reductions Revealed by Tipâ€Enhanced Raman Spectroscopy. Advanced Materials Interfaces, 2014, 1, 1300125.	3.7	44
86	In Situ Raman Monitoring and Manipulating of Interfacial Hydrogen Spillover by Precise Fabrication of Au/TiO 2 /Pt Sandwich Structures. Angewandte Chemie, 2020, 132, 10429-10433.	2.0	44
87	Plasmonâ€“Exciton Interactions: Spontaneous Emission and Strong Coupling. Advanced Functional Materials, 2021, 31, 2100889.	14.9	44
88	Strong plasmonâ€“exciton coupling in transition metal dichalcogenides and plasmonic nanostructures. Nanoscale, 2021, 13, 4408-4419.	5.6	44
89	Asymmetric Silver â€œNanocarrotâ€•Structures: Solution Synthesis and Their Asymmetric Plasmonic Resonances. Journal of the American Chemical Society, 2013, 135, 9616-9619.	13.7	43
90	Kagome bands disguised in a coloring-triangle lattice. Physical Review B, 2019, 99, .	3.2	42

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91	Tipâ€Enhanced Resonance Couplings Revealed by High Vacuum Tipâ€Enhanced Raman Spectroscopy. Advanced Optical Materials, 2013, 1, 449-455.	7.3	39
92	Routing of surface plasmons in silver nanowire networks controlled by polarization and coating. Nanoscale, 2015, 7, 19053-19059.	5.6	39
93	Controlling the radiation direction of propagating surface plasmons on silver nanowires. Laser and Photonics Reviews, 2014, 8, 596-601.	8.7	38
94	Merging bound states in the continuum by harnessing higher-order topological charges. Light: Science and Applications, 2022, 11, .	16.6	38
95	Directionally-Controlled Periodic Collimated Beams of Surface Plasmon Polaritons on Metal Film in Ag Nanowire/Al₂O₃/Ag Film Composite Structure. Nano Letters, 2015, 15, 560-564.	9.1	37
96	Self-Constructed Multiple Plasmonic Hotspots on an Individual Fractal to Amplify Broadband Hot Electron Generation. ACS Nano, 2021, 15, 10553-10564.	14.6	37
97	Tip-enhanced Raman scattering of p-thiocresol molecules on individual gold nanoparticles. Applied Physics Letters, 2008, 92, 093110.	3.3	35
98	Ultrasensitive nanosensors based on localized surface plasmon resonances: From theory to applications. Chinese Physics B, 2018, 27, 107403.	1.4	34
99	Ascertaining genuine SERS spectra of p-aminothiophenol. RSC Advances, 2012, 2, 8289.	3.6	33
100	Enormous Surfaceâ€Enhanced Raman Scattering from Dimers of Flowerâ€Like Silver Mesoparticles. Small, 2012, 8, 3400-3405.	10.0	30
101	Calculation of the near field of aggregates of arbitrary spheres. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2004, 21, 804.	1.5	28
102	Direct visual evidence for the chemical mechanism of surfaceâ€enhanced resonance Raman scattering via charge transfer: (II) Bindingâ€site and quantumâ€size effects. Journal of Raman Spectroscopy, 2009, 40, 1172-1177.	2.5	28
103	Photothermal Modulation of Propagating Surface Plasmons on Silver Nanowires. ACS Photonics, 2019, 6, 2133-2140.	6.6	28
104	Band structure, effective mass, and carrier mobility of few-layer h-AlN under layer and strain engineering. APL Materials, 2020, 8, .	5.1	28
105	Duplicating Plasmonic Hotspots by Matched Nanoantenna Pairs for Remote Nanogap Enhanced Spectroscopy. Nano Letters, 2020, 20, 3499-3505.	9.1	27
106	Controlling surface plasmon interference in branched silver nanowire structures. Nanoscale, 2012, 4, 7149.	5.6	26
107	Plasmon-Assisted Selective and Super-Resolving Excitation of Individual Quantum Emitters on a Metal Nanowire. Nano Letters, 2018, 18, 2009-2015.	9.1	26
108	Electrically Driven Highly Tunable Cavity Plasmons. ACS Photonics, 2019, 6, 823-829.	6.6	26

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109	Single Nanoparticle Couplers for Plasmonic Waveguides. Small, 2014, 10, 4264-4269.	10.0	25
110	Direction-resolved radiation from polarization-controlled surface plasmon modes on silver nanowire antennas. Nanoscale, 2016, 8, 20118-20124.	5.6	25
111	Emerging Lightâ€Emitting Materials for Photonic Integration. Advanced Materials, 2021, 33, e2003733.	21.0	25
112	Lithographically fabricated gold nanowire waveguides for plasmonic routers and logic gates. Nanoscale, 2018, 10, 11923-11929.	5.6	24
113	Giant photothermoelectric effect in silicon nanoribbon photodetectors. Light: Science and Applications, 2020, 9, 120.	16.6	24
114	Direct visualization of phase-matched efficient second harmonic and broadband sum frequency generation in hybrid plasmonic nanostructures. Light: Science and Applications, 2020, 9, 180.	16.6	24
115	In Situ Raman Probing of Hotâ€Electron Transfer at Goldâ€“Graphene Interfaces with Atomic Layer Accuracy. Angewandte Chemie - International Edition, 2022, 61, .	13.8	24
116	Lithographically Defined, Room Temperature Low Threshold Subwavelength Red-Emitting Hybrid Plasmonic Lasers. Nano Letters, 2016, 16, 7822-7828.	9.1	23
117	Chiral Optofluidics with a Plasmonic Metasurface Using the Photothermal Effect. ACS Nano, 2021, 15, 16357-16367.	14.6	23
118	Assembling Ordered Nanorod Superstructures and Their Application as Microcavity Lasers. Scientific Reports, 2017, 7, 43884.	3.3	22
119	Unified Scattering and Photoluminescence Spectra for Strong Plasmon-Exciton Coupling. Physical Review Letters, 2022, 128, 167402.	7.8	22
120	Direct visual evidence for chemical mechanisms of SERRS via charge transfer in Au₂₀â€“pyrazineâ€“Au₂₀ junction. Journal of Raman Spectroscopy, 2009, 40, 1942-1948.	2.5	21
121	Anomalously Weak Scattering in Metal-Semiconductor Multilayer Hyperbolic Metamaterials. Physical Review X, 2015, 5, .	8.9	21
122	Strong tunability of cooperative energy transfer in Mn2+-doped (Yb3+, Er3+)/NaYF4 nanocrystals by coupling with silver nanorod array. Nano Research, 2015, 8, 2970-2977.	10.4	21
123	Real-time Raman detection by the cavity mode enhanced Raman scattering. Nano Research, 2019, 12, 1643-1649.	10.4	21
124	Guided transport of nanoparticles by plasmonic nanowires. Nanoscale, 2016, 8, 19195-19199.	5.6	20
125	Electrically Driven Optical Antennas Based on Template Dielectrophoretic Trapping. ACS Nano, 2019, 13, 14041-14047.	14.6	19
126	Enabling and Controlling Negative Photoconductance of FePS₃ Nanosheets by Hot Carrier Trapping. Advanced Optical Materials, 2020, 8, 2000201.	7.3	19

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127	Plasmonic hot-electron photodetection with quasi-bound states in the continuum and guided resonances. Nanophotonics, 2021, 10, 1911-1921.	6.0	19
128	Polarizationâ€Dependent Study on Propagating Surface Plasmons in Silver Nanowires Launched by a Nearâ€Field Scanning Optical Fiber Tip. Small, 2012, 8, 2641-2646.	10.0	18
129	The nonmonotonous shift of quantum plasmon resonance and plasmon-enhanced photocatalytic activity of gold nanoparticles. Nanoscale, 2017, 9, 3188-3195.	5.6	18
130	Ultraflexible Photothermal Superhydrophobic Coating with Multifunctional Applications Based on Plasmonic TiN Nanoparticles. Advanced Optical Materials, 2022, 10, .	7.3	18
131	Efficient Frequency Mixing of Guided Surface Waves by Atomically Thin Nonlinear Crystals. Nano Letters, 2020, 20, 7956-7963.	9.1	17
132	Nonlinear nanophotonics based on surface plasmon polaritons. Applied Physics Letters, 2021, 119, .	3.3	17
133	Beyond the Phase Segregation: Probing the Irreversible Phase Reconstruction of Mixedâ€Halide Perovskites. Advanced Science, 2022, 9, e2103948.	11.2	17
134	Silver nano-needles: focused optical field induced solution synthesis and application in remote-excitation nanofocusing SERS. Nanoscale, 2019, 11, 2153-2161.	5.6	16
135	Azo-Dimerization Mechanisms of p-Aminothiophenol and p-Nitrothiophenol Molecules on Plasmonic Metal Surfaces Revealed by Tip-/Surface-Enhanced Raman Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 11586-11594.	3.1	16
136	Ultrathin, broadband, omnidirectional, and polarization-independent infrared absorber using all-dielectric refractory materials. Nanophotonics, 2021, 10, 1683-1690.	6.0	16
137	Tip-Enhanced Ultrasensitive Stokes and Anti-Stokes Raman Spectroscopy in High Vacuum. Plasmonics, 2013, 8, 523-527.	3.4	15
138	Analytical analysis of spectral sensitivity of plasmon resonances in a nanocavity. Nanoscale, 2019, 11, 10977-10983.	5.6	15
139	Multiplasmons-Pumped Excited-State Absorption and Energy Transfer Upconversion of Rare-Earth-Doped Luminescence beyond the Diffraction Limit. ACS Photonics, 2021, 8, 1335-1343.	6.6	15
140	Surface enhanced fluorescence by porous alumina with nanohole arrays. Science China: Physics, Mechanics and Astronomy, 2012, 55, 767-771.	5.1	14
141	Secondary electron imaging of nanostructures using Extreme Ultraâ€Violet attosecond pulse trains and Infraâ€Red femtosecond pulses. Annalen Der Physik, 2013, 525, 162-170.	2.4	14
142	Magnetically activated rotational vacuum friction. Physical Review A, 2019, 99, .	2.5	14
143	Temperature-dependent dark-field scattering of single plasmonic nanocavity. Nanophotonics, 2020, 9, 3347-3356.	6.0	13
144	Remote Dual-Cavity Enhanced Second Harmonic Generation in a Hybrid Plasmonic Waveguide. Nano Letters, 2022, 22, 688-694.	9.1	13

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145	Circular Dichroism in Rotating Particles. Physical Review Letters, 2019, 123, 066803.	7.8	12
146	Nanolayered Tamm Plasmon-Based Multicolor Hot Electron Photodetection for O- and C-Band Telecommunication. ACS Applied Electronic Materials, 2021, 3, 639-650.	4.3	12
147	On-Chip Detection of Multiwavelength Surface Plasmon Polaritons Based on Plasmonic Demultiplexers. ACS Photonics, 2022, 9, 391-397.	6.6	12
148	Switching plasmonic nanogaps between classical and quantum regimes with supramolecular interactions. Science Advances, 2022, 8, eabj9752.	10.3	11
149	Experimental and theoretical evidence for the chemical mechanism in SERRS of rhodamine 6G adsorbed on colloidal silver excited at 1064 nm. Journal of Raman Spectroscopy, 2010, 41, 719-720.	2.5	10
150	Nanoantenna effect of surface-enhanced Raman scattering: managing light with plasmons at the nanometer scale. Advances in Physics: X, 2016, 1, 492-521.	4.1	10
151	Closely packed metallic nanocuboid dimer allowing plasmomechanical strong coupling. Physical Review A, 2019, 99, .	2.5	10
152	An enhanced plasmonic photothermal effect for crystal transformation by a heat-trapping structure. Nanoscale, 2021, 13, 4585-4591.	5.6	10
153	Band alignment and interlayer hybridization in monolayer organic/WSe2 heterojunction. Nano Research, 0, , 1.	10.4	10
154	Plasmon-assisted nanophase engineering of titanium dioxide for improved performances in single-particle based sensing and photocatalysis. Nanoscale, 2022, 14, 4705-4711.	5.6	10
155	Surface-enhanced Raman scattering on dual-layer metallic grating structures. Science Bulletin, 2010, 55, 2643-2648.	1.7	9
156	New progress of plasmonics in complex metal nanostructures. Science China: Physics, Mechanics and Astronomy, 2013, 56, 2327-2336.	5.1	9
157	Superradiative plasmonic nanoantenna biosensors enable sensitive immunoassay using the naked eye. Nanoscale, 2021, 13, 2429-2435.	5.6	9
158	Identification of twist-angle-dependent excitons in WS2/WSe2 heterobilayers. National Science Review, 2022, 9, .	9.5	9
159	Defects inducing anomalous exciton kinetics in monolayer WS2. Nano Research, 2022, 15, 1616-1622.	10.4	9
160	Light-controlled nanoswitches: from fabrication to photoelectric switching. Nanoscale, 2019, 11, 18496-18500.	5.6	8
161	Reduced loss of plasmon propagation in a Ag nanowire on Si substrate. Nano Energy, 2020, 68, 104322.	16.0	8
162	A high speed electrically switching reflective structural color display with large color gamut. Nanoscale, 2021, 13, 1164-1171.	5.6	8

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163	Rotational Doppler cooling and heating. Science Advances, 2021, 7, .	10.3	8
164	Plasmon-Directed On-Wire Growth of Branched Silver Nanowires with Chiroptic Activity. ACS Nano, 2021, 15, 16404-16410.	14.6	8
165	Self-suspended rare-earth doped up-conversion luminescent waveguide: propagating and directional radiation. Opto-Electronic Advances, 2020, 3, 190045-190045.	13.3	8
166	Revealing the Competition between Defectâ€Trapped Exciton and Bandâ€Edge Exciton Photoluminescence in Monolayer Hexagonal WS₂. Advanced Optical Materials, 2022, 10, .	7.3	8
167	Relationship between Length and Surface-Enhanced Raman Spectroscopy Signal Strength in Metal Nanoparticle Chains: Ideal Models versus Nanofabrication. Journal of Nanotechnology, 2012, 2012, 1-7.	3.4	7
168	Selective reduction of nitroaromatic compounds on silver nanoparticles by visible light. Journal of Raman Spectroscopy, 2012, 43, 1024-1028.	2.5	7
169	Steering Second-Harmonic Beams in Nanophotonic Waveguides by Gratings. ACS Photonics, 2019, 6, 3142-3149.	6.6	7
170	Precursor-Mediated Linear- and Branched-Polytypism Control in Cu_{Î±}Zn_{Î²}Sn_{Î³}Se_{Î´} Colloidal Nanocrystals Using a Dual-Injection Method. Chemistry of Materials, 2020, 32, 7254-7262.	6.7	7
171	Femtosecond Dynamics of a Polariton Bosonic Cascade at Room Temperature. Nano Letters, 2022, 22, 2023-2029.	9.1	7
172	Ultrasonic-Assisted Synthesis of Au Nanobelts and Nanowires. Journal of Nanoscience and Nanotechnology, 2010, 10, 7515-7518.	0.9	6
173	Near-field coupling and SERS effects of palladium nanoparticle dimers. Science Bulletin, 2010, 55, 2930-2936.	1.7	6
174	Efficient single-photon emission from a nanowire quantum dot coupled to a plasmonic nanoantenna. Journal of Lightwave Technology, 2021, , 1-1.	4.6	6
175	Coherent Excitation and Control of Plasmons on Gold Using Two-Dimensional Transition Metal Dichalcogenides. ACS Photonics, 2021, 8, 1607-1615.	6.6	6
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