

# Electromagnetic fields around silver nanoparticles and

Journal of Chemical Physics

120, 357-366

DOI: 10.1063/1.1629280

Citation Report

#	ARTICLE	IF	CITATIONS
7	Optical Properties of One-Dimensional Metal Nanostructures. Materials Research Society Symposia Proceedings, 2004, 818, 233.	0.1	2
8	Synthesis and Optical Properties of Anisotropic Metal Nanoparticles. Journal of Fluorescence, 2004, 14, 331-341.	1.3	273
9	Influence of surface charge density on the plasmon resonance modes in gold nanoellipsoid. Physica B: Condensed Matter, 2004, 353, 331-335.	1.3	7
10	Narrow plasmonic/photonic extinction and scattering line shapes for one and two dimensional silver nanoparticle arrays. Journal of Chemical Physics, 2004, 121, 12606.	1.2	312
11	Rapid, quantitative analysis of ppm/ppb nicotine using surface-enhanced Raman scattering from polymer-encapsulated Ag nanoparticles (gel-colls). Analyst, The, 2004, 129, 1032.	1.7	76
12	Applications of nanoparticle arrays to coherent anti-Stokes Raman spectroscopy of chiral molecules. , 2005, , .		4
13	Shape dependent full width at half maximum of the absorption band in gold nanorods. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 339, 466-471.	0.9	29
14	Critical importance of the junction in touching Ag particles for single molecule sensitivity in SERS. Journal of Molecular Structure, 2005, 735-736, 75-84.	1.8	41
15	Two-state analysis of single-molecule Raman spectra of crystal violet. Chemical Physics, 2005, 318, 44-49.	0.9	27
16	Radiative decay engineering 5: metal-enhanced fluorescence and plasmon emission. Analytical Biochemistry, 2005, 337, 171-194.	1.1	1,225
17	Silver nanoparticle array structures that produce giant enhancements in electromagnetic fields. Chemical Physics Letters, 2005, 403, 62-67.	1.2	326
18	Plasmonic Materials for Surface-Enhanced Sensing and Spectroscopy. MRS Bulletin, 2005, 30, 368-375.	1.7	616
19	Surface-Enhanced Raman Spectroscopy. Analytical Chemistry, 2005, 77, 338 A-346 A.	3.2	995
20	Localized Surface Plasmon Resonance Spectroscopy of Single Silver Nanocubes. Nano Letters, 2005, 5, 2034-2038.	4.5	1,307
21	The effect of the size, shape, and structure of metal nanoparticles on the dependence of their optical properties on the refractive index of a disperse medium. Optics and Spectroscopy (English Translation) Tj ETQq0 0 0.2gBT /Overlock 10 T	0.2	10
22	Inherent Complexities of Trace Detection by Surface-Enhanced Raman Scattering. ChemPhysChem, 2005, 6, 2473-2484.	1.0	97
23	Elastic scattering and emission correlated with single-molecule SERS. Journal of Raman Spectroscopy, 2005, 36, 581-592.	1.2	34
24	Electrodynamics in computational chemistry. , 2005, , 47-65.		9

#	ARTICLE	IF	CITATIONS
25	Enhancement of Raman scattering for an atom or molecule near a metal nanocylinder: Quantum theory of spontaneous emission and coupling to surface plasmon modes. <i>Journal of Chemical Physics</i> , 2005, 122, 214726.	1.2	19
26	<title>Dependence of the optical properties of metal nanoparticles on the external dielectric medium: effects of the particle size, shape, and structure</title>. , 2005, , .		5
27	Scanning Near-Field Optical Microscopic Observation of Surface-Enhanced Raman Scattering Mediated by Metallic Particle-Surface Gap Modes. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 5313-5318.	0.8	10
28	Multipole Plasmon Resonances of Submicron Silver Particles. <i>Journal of the American Chemical Society</i> , 2005, 127, 12444-12445.	6.6	192
29	Sensitivity of Metal Nanoparticle Surface Plasmon Resonance to the Dielectric Environment. <i>Journal of Physical Chemistry B</i> , 2005, 109, 21556-21565.	1.2	668
30	Plasmonics: Localization and guiding of electromagnetic energy in metal/dielectric structures. <i>Journal of Applied Physics</i> , 2005, 98, 011101.	1.1	1,660
31	Highly Efficient Multiphoton-Absorption-Induced Luminescence from Gold Nanoparticles. <i>Nano Letters</i> , 2005, 5, 1139-1142.	4.5	269
32	Polarized Surface-Enhanced Raman Spectroscopy on Coupled Metallic Nanowires. <i>Journal of Physical Chemistry B</i> , 2005, 109, 15687-15690.	1.2	103
33	Cumulative plasmon field enhancement in finite metal particle chains. <i>Optics Letters</i> , 2005, 30, 1882.	1.7	49
34	The Optically Detected Coherent Lattice Oscillations in Silver and Gold Monolayer Periodic Nanoprism Arrays:â€” The Effect of Interparticle Coupling. <i>Journal of Physical Chemistry B</i> , 2005, 109, 18881-18888.	1.2	92
35	Wavelength-Scanned Surface-Enhanced Raman Excitation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2005, 109, 11279-11285.	1.2	891
36	Field enhancement and gap-dependent resonance in a system of two opposing tip-to-tip Au nanotriangles. <i>Physical Review B</i> , 2005, 72, .	1.1	242
37	Surface plasmon resonances of single and coupled metallic nanoparticles: A boundary integral method approach. <i>Physical Review B</i> , 2005, 72, .	1.1	127
38	Optical response of strongly coupled metal nanoparticles in dimer arrays. <i>Physical Review B</i> , 2005, 71, .	1.1	42
39	Second-harmonic generation from arrays of symmetric gold nanoparticles. <i>Physical Review B</i> , 2006, 73, .	1.1	66
40	Surface-Enhanced Raman Scattering of Pyrazine at the Junction between Two Ag <sub>20</sub> Nanoclusters. <i>Nano Letters</i> , 2006, 6, 1229-1234.	4.5	212
41	Toward Nanometer-Scale Optical Photolithography:Â Utilizing the Near-Field of Bowtie Optical Nanoantennas. <i>Nano Letters</i> , 2006, 6, 355-360.	4.5	394
42	Geometry Dependent Features of Optically Induced Forces between Silver Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2006, 110, 19243-19253.	1.2	5

#	ARTICLE	IF	CITATIONS
43	Surface-enhanced Raman scattering from transition metals with special surface morphology and nanoparticle shape. <i>Faraday Discussions</i> , 2006, 132, 159-170.	1.6	123
44	Single molecule sensitivity in SERS: importance of junction of adjacent Ag nanoparticles. <i>Faraday Discussions</i> , 2006, 132, 45-61.	1.6	70
45	Resonance Raman Scattering of Rhodamine 6G as Calculated Using Time-Dependent Density Functional Theory. <i>Journal of Physical Chemistry A</i> , 2006, 110, 5973-5977.	1.1	344
46	In Vivo Detection of Gold-Imidazole Self-Assembly Complexes: NIR-SERS Signal Reporters. <i>Analytical Chemistry</i> , 2006, 78, 6232-6237.	3.2	81
47	Squeezing Visible Light Waves into a 3-nm-Thick and 55-nm-Long Plasmon Cavity. <i>Physical Review Letters</i> , 2006, 96, 097401.	2.9	499
48	Template-Grown Metal Nanowires. <i>Inorganic Chemistry</i> , 2006, 45, 7555-7565.	1.9	194
49	A New Method to Prepare Ordered Silver Nanoparticle Arrays. , 2006, , .		0
50	Surface-Enhanced Vibrational Spectroscopy: SERS and SEIRA. <i>Israel Journal of Chemistry</i> , 2006, 46, 265-281.	1.0	6
51	Combining Micron-Size Glass Spheres with Silver Nanoparticles to Produce Extraordinary Field Enhancements for Surface-Enhanced Raman Scattering Applications. <i>Israel Journal of Chemistry</i> , 2006, 46, 293-297.	1.0	21
52	Coupled Plasmonic Plasmon/Photonic Resonance Effects in SERS. , 2006, , 67-85.		15
53	SERS From Transition Metals and Excited by Ultraviolet Light. , 2006, , 125-146.		38
54	Waveguide cavity surface-enhanced Raman scattering. <i>Physical Review B</i> , 2006, 73, .	1.1	11
55	From Micro to Nano: Analysis of Surface-Enhanced Resonance Raman Spectroscopy Active Sites via Multiscale Correlations. <i>Analytical Chemistry</i> , 2006, 78, 224-230.	3.2	32
56	Plasmonic Nanoparticle Heterodimers in a Semiembedded Geometry Fabricated by Stepwise Upright Assembly. <i>Nano Letters</i> , 2006, 6, 2945-2948.	4.5	41
57	Visualization of Localized Intense Optical Fields in Single Gold Nanoparticle Assemblies and Ultrasensitive Raman Active Sites. <i>Nano Letters</i> , 2006, 6, 2173-2176.	4.5	230
58	Size-Dependent Ultrafast Electronic Energy Relaxation and Enhanced Fluorescence of Copper Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2006, 110, 143-149.	1.2	101
59	Plasmon spectroscopy of metallic nanoparticles above flat dielectric substrates. <i>Optics Letters</i> , 2006, 31, 1902.	1.7	23
60	Resonant waveguide field enhancement in dimers. <i>Optics Letters</i> , 2006, 31, 3348.	1.7	4

#	ARTICLE	IF	CITATIONS
61	Theoretical studies of plasmon resonances in one-dimensional nanoparticle chains: narrow lineshapes with tunable widths. <i>Nanotechnology</i> , 2006, 17, 2813-2820.	1.3	111
62	Electromagnetic Mechanism of SERS. , 2006, , 19-45.		356
64	Reduced second harmonic generation from closely spaced pairs of Au nanoparticles. , 2006, , .		0
65	Single molecule sensitivity in surface enhanced Raman scattering using surface plasmon. <i>Handai Nanophotonics</i> , 2006, , 101-140.	0.0	1
66	Enhanced Raman scattering mediated by metallic surface-particle gap modes. <i>Handai Nanophotonics</i> , 2006, 2, 141-152.	0.0	1
67	Nanohazards: Knowledge is our first defence. <i>Nature Materials</i> , 2006, 5, 245-248.	13.3	85
68	Correlated measurements of plasmon resonance Rayleigh scattering and surface-enhanced resonance Raman scattering using a dark-field microspectroscopic system. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 183, 322-328.	2.0	41
69	Resonances of nanocylinders with gap defects. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2006, 4, 94-102.	1.0	0
70	Cancer Cell Imaging and Photothermal Therapy in the Near-Infrared Region by Using Gold Nanorods. <i>Journal of the American Chemical Society</i> , 2006, 128, 2115-2120.	6.6	4,950
71	Sensitivity of metal nanoparticle plasmon resonance band position to the dielectric environment as observed in scattering. <i>Journal of Optics</i> , 2006, 8, S239-S249.	1.5	91
72	Plasmon Coupling in Nanorod Assemblies:Â Optical Absorption, Discrete Dipole Approximation Simulation, and Exciton-Coupling Model. <i>Journal of Physical Chemistry B</i> , 2006, 110, 18243-18253.	1.2	754
73	Plasmonics in Biology and Plasmon-Controlled Fluorescence. <i>Plasmonics</i> , 2006, 1, 5-33.	1.8	512
74	Optical Extinction Spectroscopy of Oblate, Prolate and Ellipsoid Shaped Gold Nanoparticles: Experiments and Theory. <i>Plasmonics</i> , 2006, 1, 135-140.	1.8	109
75	Preparation and optical properties of colloidal silver nanoparticles at a high Ag+ concentration. <i>Materials Letters</i> , 2006, 60, 1496-1501.	1.3	50
76	Field-enhanced scanning near-field optical microscopy. <i>Microscopy Research and Technique</i> , 2006, 69, 563-579.	1.2	60
77	Formation of Silver Nanoprisms with Surface Plasmons at Communication Wavelengths. <i>Advanced Functional Materials</i> , 2006, 16, 766-773.	7.8	235
78	Metalâ€“Silica Hybrid Nanostructures for Surface-Enhanced Raman Spectroscopy. <i>Advanced Materials</i> , 2006, 18, 2829-2832.	11.1	82
79	Nanoparticle-Based Diagnosis and Therapy. <i>Current Drug Targets</i> , 2006, 7, 643-648.	1.0	137

#	ARTICLE	IF	CITATIONS
80	Probing the Raman Scattering Tensors of Individual Molecules. <i>Journal of Physical Chemistry B</i> , 2006, 110, 2459-2461.	1.2	63
81	Spectral tuning of localised surface plasmon-polariton resonance in metallic nano-crescents. <i>IET Nanobiotechnology</i> , 2006, 153, 42.	2.1	9
82	Exploring the chemical enhancement for surface-enhanced Raman scattering with Au bowtie nanoantennas. <i>Journal of Chemical Physics</i> , 2006, 124, 061101.	1.2	276
83	Plasmon-controlled fluorescence: a new detection technology. , 2006, 6099, 609909.		24
84	Enhanced optical second harmonic generation in hybrid polymer nanoassemblies based on coupled surface plasmon resonance of a gold nanoparticle array. <i>Applied Physics Letters</i> , 2006, 89, 011903.	1.5	20
85	Surface-enhanced resonance Raman scattering and background light emission coupled with plasmon of single Ag nanoaggregates. <i>Journal of Chemical Physics</i> , 2006, 124, 134708.	1.2	103
86	Local Electromagnetic Fields Surrounding Gold Nano-Cap Particles. , 2006, , .		1
87	Designing, fabricating, and imaging Raman hot spots. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 13300-13303.	3.3	424
88	Hyper-Raman scattering enhanced by anisotropic dimer plasmons on artificial nanostructures. <i>Journal of Chemical Physics</i> , 2007, 127, 111103.	1.2	38
89	Plasmonic materials for surface-enhanced and tip-enhanced Raman spectroscopy. , 2007, , 1-39.		3
90	Local-Field Enhancement and Quantum Yield of Metallic Dimer. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 5373-5378.	0.8	13
91	Near field distribution in two dimensionally arrayed gold nanoparticles on platinum substrate. <i>Applied Physics Letters</i> , 2007, 90, 123106.	1.5	40
92	Extinction spectra and electrical field enhancement of Ag nanorods with different topologic shapes. <i>Journal of Applied Physics</i> , 2007, 102, .	1.1	42
93	Collective electromagnetic emission from molecular layers on metal nanostructures mediated by surface plasmons. <i>Physical Review B</i> , 2007, 75, .	1.1	7
94	Effect of Plasmonic Gold Nanoparticles on Benign and Malignant Cellular Autofluorescence: A Novel Probe for Fluorescence Based Detection of Cancer. <i>Technology in Cancer Research and Treatment</i> , 2007, 6, 403-412.	0.8	27
95	Optical characterization of plasmonic metallic nanostructures fabricated by high-resolution lithography. <i>Journal of Nanophotonics</i> , 2007, 1, 011594.	0.4	14
96	Evolution of soliton-like train in Kleinâ€™Gordon lattice system. <i>Chinese Physics B</i> , 2007, 16, 223-227.	1.3	2
97	Particle enhanced plasmonic NSOM. , 2007, , .		1

#	ARTICLE	IF	CITATIONS
98	Optical properties of rodlike and bipyramidal gold nanoparticles from three-dimensional computations. <i>Physical Review B</i> , 2007, 76, .	1.1	127
99	Dyadic Green's function of a cluster of spheres. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2007, 24, 3437.	0.8	25
100	Optical near-field excitations on plasmonic nanoparticle-based structures. <i>Optics Express</i> , 2007, 15, 4253.	1.7	97
101	Dispersion of nonlinear dielectric function of Au nanoparticles in silica glass. <i>Optics Express</i> , 2007, 15, 6010.	1.7	27
102	Plasmonic nanoclusters: a path towards negative-index metafluids. <i>Optics Express</i> , 2007, 15, 14129.	1.7	143
103	Cancer Cells Assemble and Align Gold Nanorods Conjugated to Antibodies to Produce Highly Enhanced, Sharp, and Polarized Surface Raman Spectra: A Potential Cancer Diagnostic Marker. <i>Nano Letters</i> , 2007, 7, 1591-1597.	4.5	488
104	Enhanced plasmon coupling in crossed dielectric/metal nanowire composite geometries and applications to surface-enhanced Raman spectroscopy. <i>Applied Physics Letters</i> , 2007, 90, 093105.	1.5	77
105	Plasmon Line Widths of Single Silver Nanoprisms as a Function of Particle Size and Plasmon Peak Position. <i>Journal of Physical Chemistry C</i> , 2007, 111, 18906-18911.	1.5	91
106	Three-Dimensional Structuring of Resists and Resins by Direct Laser Writing and Holographic Recording. , 2007, , 157-206.		7
107	Optical Effects of Metallic Nanoparticles. <i>Australian Journal of Chemistry</i> , 2007, 60, 447.	0.5	26
108	Surface Plasmon Nanophotonics. <i>Springer Series in Optical Sciences</i> , 2007, , .	0.5	282
109	Expanding generality of surface-enhanced Raman spectroscopy with borrowing SERS activity strategy. <i>Chemical Communications</i> , 2007, , 3514.	2.2	379
110	Modeling the Optical Interaction Between a Carbon Nanotube and a Plasmon Resonant Sphere. <i>IEEE Transactions on Antennas and Propagation</i> , 2007, 55, 3063-3069.	3.1	13
111	Biosensing with plasmonic nanoparticles. , 2007, , 219-270.		5
112	Metal Films with Arrays of Tiny Holes: Spectroscopy with Infrared Plasmonic Scaffolding. <i>Journal of Physical Chemistry C</i> , 2007, 111, 17459-17472.	1.5	55
113	Investigations of the light scattering structure factor of metallic nanostructures using Bragg diffraction. <i>Journal of Optics</i> , 2007, 9, S443-S449.	1.5	1
114	Protein nanoparticle labelling probed by surface enhanced resonance Raman spectroscopy. <i>Analyst</i> , 2007, 132, 865.	1.7	11
115	Assembly of Gold Nanoparticles Mediated by Multifunctional Fullerenes. <i>Langmuir</i> , 2007, 23, 10715-10724.	1.6	30

#	ARTICLE	IF	CITATIONS
116	Observation of a Small Number of Molecules at a Metal Nanogap Arrayed on a Solid Surface Using Surface-Enhanced Raman Scattering. <i>Journal of the American Chemical Society</i> , 2007, 129, 1658-1662.	6.6	190
117	The Effect of Plasmon Field on the Coherent Lattice Phonon Oscillation in Electron-Beam Fabricated Gold Nanoparticle Pairs. <i>Nano Letters</i> , 2007, 7, 3227-3234.	4.5	141
118	Plasmon-Enhanced Second-Harmonic Generation from Ionic Self-Assembled Multilayer Films. <i>Nano Letters</i> , 2007, 7, 254-258.	4.5	81
119	Metal-insulator-metal plasmon nanocavities: Analysis of optical properties. <i>Physical Review B</i> , 2007, 75, .	1.1	215
120	Second enhancement in surface-enhanced resonance Raman scattering revealed by an analysis of anti-Stokes and Stokes Raman spectra. <i>Physical Review B</i> , 2007, 76, .	1.1	112
121	X-Shaped Rigid Arylethynes to Mediate the Assembly of Nanoparticles. <i>Journal of the American Chemical Society</i> , 2007, 129, 5368-5369.	6.6	42
122	Near-Field Studies of Plasmon Wavefunctions and Optical Fields in Gold Nanoparticles. <i>Molecular Science</i> , 2007, 1, A0006.	0.2	3
124	Holeâ€Mask Colloidal Lithography. <i>Advanced Materials</i> , 2007, 19, 4297-4302.	11.1	516
125	Nanostructured gold surfaces as reproducible substrates for surface-enhanced Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2007, 38, 277-282.	1.2	64
126	Fabrication of a range of SERS substrates on nanostructured multicore optical fibres. <i>Journal of Raman Spectroscopy</i> , 2007, 38, 377-382.	1.2	50
127	Long wavelength depolarized light scattering from silver nanoparticles. <i>Chemical Physics Letters</i> , 2007, 443, 1-5.	1.2	13
128	New surface integral equations for the light scattering of multi-metallic nanoscatterers. <i>Engineering Analysis With Boundary Elements</i> , 2007, 31, 299-310.	2.0	8
129	Optical nonlinearity of Au nanoparticles fabricated by negative ion implantation. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2007, 257, 47-50.	0.6	8
130	Mapping surface plasmons on a single metallic nanoparticle. <i>Nature Physics</i> , 2007, 3, 348-353.	6.5	908
131	Adaptive subwavelength control of nano-optical fields. <i>Nature</i> , 2007, 446, 301-304.	13.7	508
132	Self-Assembled Silver Nanochains for Surface-Enhanced Raman Scattering. <i>Langmuir</i> , 2007, 23, 12042-12047.	1.6	128
133	Size Correlation of Optical and Spectroscopic Properties for Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007, 111, 14664-14669.	1.5	533
134	Radiation Damping in Metal Nanoparticle Pairs. <i>Nano Letters</i> , 2007, 7, 318-322.	4.5	145



#	ARTICLE	IF	CITATIONS
135	Dependence of Fluorescence Intensity on the Spectral Overlap between Fluorophores and Plasmon Resonant Single Silver Nanoparticles. <i>Nano Letters</i> , 2007, 7, 690-696.	4.5	652
136	The quantum yield of a metallic nanoantenna. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 89, 357-362.	1.1	9
137	Optical near-fields of triangular nanostructures. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 89, 299-303.	1.1	34
138	Monofunctional gold nanoparticles: synthesis and applications. <i>Journal of Nanoparticle Research</i> , 2007, 9, 1013-1025.	0.8	48
139	Plasmonic nanoantenna arrays for the visible. <i>Metamaterials</i> , 2008, 2, 45-51.	2.2	131
140	Semiconductor quantum dots and metal nanoparticles: syntheses, optical properties, and biological applications. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2469-2495.	1.9	469
141	Numerical study of optical properties of single silver nanobowtie with anisotropic topology. <i>Applied Physics B: Lasers and Optics</i> , 2008, 92, 53-59.	1.1	8
142	Nanostructured Surfaces and Assemblies as SERS Media. <i>Small</i> , 2008, 4, 1576-1599.	5.2	726
143	SERS intensity optimization by controlling the size and shape of faceted gold nanoparticles. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 61-67.	1.2	74
144	Nanostructures and nanostructured substrates for surface-enhanced Raman scattering (SERS). <i>Journal of Raman Spectroscopy</i> , 2008, 39, 1313-1326.	1.2	213
145	Metal nanoparticle plasmonics. <i>Laser and Photonics Reviews</i> , 2008, 2, 136-159.	4.4	592
146	Monodispersed Gold Nanorod-Embedded Silica Particles as Novel Raman Labels for Biosensing. <i>Advanced Functional Materials</i> , 2008, 18, 355-361.	7.8	119
147	Silver Nanoparticle Impregnated Polycarbonate Substrates for Surface Enhanced Raman Spectroscopy. <i>Advanced Functional Materials</i> , 2008, 18, 1265-1271.	7.8	89
148	Optical Properties and Growth Aspects of Silver Nanoprisms Produced by a Highly Reproducible and Rapid Synthesis at Room Temperature. <i>Advanced Functional Materials</i> , 2008, 18, 2005-2016.	7.8	451
149	Clusters of Closely Spaced Gold Nanoparticles as a Source of Two-Photon Photoluminescence at Visible Wavelengths. <i>Advanced Materials</i> , 2008, 20, 26-30.	11.1	168
150	The Effect of an Active Substrate on Nanoparticle-Enhanced Fluorescence. <i>Advanced Materials</i> , 2008, 20, 1424-1428.	11.1	59
151	Mesoscopic Au "Meatball" Particles. <i>Advanced Materials</i> , 2008, 20, 820-825.	11.1	204
152	Dye fluorescence enhancement and quenching by gold nanoparticles: Direct near-field microscopic observation of shape dependence. <i>Chemical Physics Letters</i> , 2008, 467, 105-109.	1.2	49

#	ARTICLE	IF	CITATIONS
153	First-approximation simulation of dopant diffusion in nanostructured silica optical fibres. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2008, 6, 167-177.	1.0	7
154	Quantitative Analysis of Dipole and Quadrupole Excitation in the Surface Plasmon Resonance of Metal Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008, 112, 20233-20240.	1.5	170
155	Advances and Prospects of Gold Nanorods. <i>Chemistry - an Asian Journal</i> , 2008, 3, 2010-2022.	1.7	126
156	Photovoltage Mechanism for Room Light Conversion of Citrate Stabilized Silver Nanocrystal Seeds to Large Nanoprisms. <i>Journal of the American Chemical Society</i> , 2008, 130, 9500-9506.	6.6	244
157	Field Enhancement around Metal Nanoparticles and Nanoshells: A Systematic Investigation. <i>Journal of Physical Chemistry C</i> , 2008, 112, 15721-15728.	1.5	173
158	Noble Metal Nanoparticle Pairs: Effect of Medium for Enhanced Nanosensing. <i>Nano Letters</i> , 2008, 8, 4347-4352.	4.5	258
159	Localized Surface Plasmon Resonances in Aluminum Nanodisks. <i>Nano Letters</i> , 2008, 8, 1461-1471.	4.5	521
160	Probing surface plasmon fields by far-field Raman imaging. <i>Journal of Microscopy</i> , 2008, 229, 189-196.	0.8	13
161	Raman and near-field spectroscopic study on localized surface plasmon excitation from the 2D nanostructure of gold nanoparticles. <i>Journal of Microscopy</i> , 2008, 229, 327-330.	0.8	22
162	Influence of the light scattering form factor on the Bragg diffraction patterns of arrays of metallic nanoparticles. <i>Journal of Microscopy</i> , 2008, 229, 475-482.	0.8	6
163	Narrow plasmon mode in 2D arrays of silver nanoparticles self-assembled on thin silver films. <i>Journal of Microscopy</i> , 2008, 229, 567-574.	0.8	13
164	Plasmonic Laser Antennas and Related Devices. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2008, 14, 1448-1461.	1.9	111
165	Preparation of Au@Ag, Ag@Au core-shell bimetallic nanoparticles for surface-enhanced Raman scattering. <i>Scripta Materialia</i> , 2008, 58, 862-865.	2.6	233
166	Multipolar surface plasmon peaks on gold nanotriangles. <i>Journal of Chemical Physics</i> , 2008, 128, 094702.	1.2	79
167	Optical transmission measurements of silver, silver-gold alloy and silver-gold segmented nanorods in thin film alumina. <i>Nanotechnology</i> , 2008, 19, 465708.	1.3	20
168	Gold and magnetic oxide/gold core/shell nanoparticles as bio-functional nanoprobes. <i>Nanotechnology</i> , 2008, 19, 305102.	1.3	77
169	Thermal analysis of gold nanorods heated with femtosecond laser pulses. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 185501.	1.3	196
170	Methods for Describing the Electromagnetic Properties of Silver and Gold Nanoparticles. <i>Accounts of Chemical Research</i> , 2008, 41, 1710-1720.	7.6	457

#	ARTICLE	IF	CITATIONS
171	Pyramids: A Platform for Designing Multifunctional Plasmonic Particles. <i>Accounts of Chemical Research</i> , 2008, 41, 1762-1771.	7.6	55
172	Electronic structure methods for studying surface-enhanced Raman scattering. <i>Chemical Society Reviews</i> , 2008, 37, 1061.	18.7	568
173	Mapping the Plasmon Resonances of Metallic Nanoantennas. <i>Nano Letters</i> , 2008, 8, 631-636.	4.5	354
174	Surface-Enhanced Raman Spectroscopy Substrates Created via Electron Beam Lithography and Nanotransfer Printing. <i>ACS Nano</i> , 2008, 2, 377-385.	7.3	336
175	Surface Plasmon Coupling and Its Universal Size Scaling in Metal Nanostructures of Complex Geometry: Elongated Particle Pairs and Nanosphere Trimers. <i>Journal of Physical Chemistry C</i> , 2008, 112, 4954-4960.	1.5	195
176	Mechanistic Study of Photomediated Triangular Silver Nanoprism Growth. <i>Journal of the American Chemical Society</i> , 2008, 130, 8337-8344.	6.6	364
177	Probing the Structure of Single-Molecule Surface-Enhanced Raman Scattering Hot Spots. <i>Journal of the American Chemical Society</i> , 2008, 130, 12616-12617.	6.6	825
178	Single Molecules and Nanotechnology. <i>Springer Series in Biophysics</i> , 2008, , .	0.4	8
179	Systematic Computational Study of the Effect of Silver Nanoparticle Dimers on the Coupled Emission from Nearby Fluorophores. <i>Journal of Physical Chemistry C</i> , 2008, 112, 11236-11249.	1.5	77
180	Extraordinary Transmission of Metal Films with Arrays of Subwavelength Holes. <i>Annual Review of Physical Chemistry</i> , 2008, 59, 179-202.	4.8	124
181	Correlation between Scattering Properties of Silver Particle Arrays and Fluorescence Enhancement. <i>Applied Spectroscopy</i> , 2008, 62, 733-738.	1.2	31
182	Sensitivity Enhancement of Surface Plasmon Resonance Imaging Using Periodic Metallic Nanowires. <i>Journal of Lightwave Technology</i> , 2008, 26, 1472-1478.	2.7	46
183	Cavity resonances of metal-dielectric-metal nanoantennas. <i>Optics Express</i> , 2008, 16, 10315.	1.7	18
184	Optically controlled interparticle distance tuning and welding of single gold nanoparticle pairs by photochemical metal deposition. <i>Optics Express</i> , 2008, 16, 12362.	1.7	45
185	Surface enhanced fluorescence. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 013001.	1.3	603
186	How Can a Resonant Nanogap Enhance Optical Fields by Many Orders of Magnitude?. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2008, 14, 1565-1576.	1.9	29
187	Effects of Geometry and Composition on Charge-Induced Plasmonic Shifts in Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7309-7317.	1.5	79
188	Gold nanorods and nanospheroids for enhancing spontaneous emission. <i>New Journal of Physics</i> , 2008, 10, 105015.	1.2	114

#	ARTICLE	IF	CITATIONS
189	Metal-Enhanced Fluorescence from Nanoparticulate Zinc Films. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18368-18375.	1.5	78
190	Nanoparticle Plasmon-Assisted Two-Photon Polymerization Induced by Incoherent Excitation Source. <i>Journal of the American Chemical Society</i> , 2008, 130, 6928-6929.	6.6	314
191	Fabrication, characterization, and application in surface-enhanced Raman spectrum of assembled type-I collagen-silver nanoparticle multilayered films. <i>Journal of Chemical Physics</i> , 2008, 128, 074704.	1.2	29
192	Experimental observation of narrow surface plasmon resonances in gold nanoparticle arrays. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	459
193	Surface-Enhanced Raman Nanoparticle Beacons Based on Bioconjugated Gold Nanocrystals and Long Range Plasmonic Coupling. <i>Journal of the American Chemical Society</i> , 2008, 130, 14934-14935.	6.6	225
194	Wavelength-Scanned Surface-Enhanced Resonance Raman Excitation Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19302-19310.	1.5	73
195	Polarization-Dependent Surface Enhanced Raman Scattering from Silver 1D Nanoparticle Arrays. <i>Journal of Physical Chemistry C</i> , 2008, 112, 11609-11613.	1.5	41
196	Enhanced Nanoplasmonic Optical Sensors with Reduced Substrate Effect. <i>Nano Letters</i> , 2008, 8, 3893-3898.	4.5	212
197	Surface Enhanced Raman Scattering of Carbon Nanotubes Decorated by Individual Fluorescent Gold Particles. <i>Journal of Physical Chemistry C</i> , 2008, 112, 391-396.	1.5	59
198	Single-Cell Fluorescence Imaging Using Metal Plasmon-Coupled Probe 2: Single-Molecule Counting on Lifetime Image. <i>Nano Letters</i> , 2008, 8, 1179-1186.	4.5	49
199	Surface Enhanced Raman Scattering and Resonance Elastic Scattering from Capped Single Ag Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19866-19871.	1.5	14
200	Excitation enhancement of CdSe quantum dots by single metal nanoparticles. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	130
201	Synthesis and Stabilization of Colloidal Gold Nanoparticle Suspensions for SERS. <i>ACS Symposium Series</i> , 2008, , 16-30.	0.5	2
202	Plasmonic engineering of singlet oxygen generation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 1798-1802.	3.3	171
203	The Effect of Surface Roughness on the Extinction Spectra and Electromagnetic Fields around Gold Nanoparticles. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1087, 10801.	0.1	4
204	SURFACE-ENHANCED RAMAN SCATTERING: PRINCIPLES, NANOSTRUCTURES, FABRICATIONS, AND BIOMEDICAL APPLICATIONS. <i>Journal of Innovative Optical Health Sciences</i> , 2008, 01, 267-284.	0.5	25
205	Optimal design of nanoplasmonic materials using genetic algorithms as a multiparameter optimization tool. <i>Journal of Chemical Physics</i> , 2008, 129, 064706.	1.2	17
206	Design and fabrication of gold nanostructures with dispersed nanospheres for localized surface plasmon resonance applications. <i>Journal of Nanophotonics</i> , 2008, 2, 023502.	0.4	7

#	ARTICLE	IF	CITATIONS
207	Bioenabled Nanophotonics. MRS Bulletin, 2008, 33, 536-542.	1.7	11
208	A molecular spectroscopic view of surface plasmon enhanced resonance Raman scattering. Journal of Chemical Physics, 2008, 128, 224702.	1.2	34
209	Revisiting the separation dependent surface enhanced Raman scattering. Applied Physics Letters, 2008, 93, .	1.5	40
210	Mapping Surface Plasmons on a Single Metallic Nanoparticle. , 2008, , .		2
211	Characteristics of Surface Plasmons in Silver Nanorods. Japanese Journal of Applied Physics, 2008, 47, 8659-8666.	0.8	1
212	The influences of particle number on hot spots in strongly coupled metal nanoparticles chain. Journal of Chemical Physics, 2008, 128, 094705.	1.2	109
213	Large surface enhanced Raman scattering enhancements from fracture surfaces of nanoporous gold. Applied Physics Letters, 2008, 92, .	1.5	47
214	Self-assembly of 2D ordered silver nanoparticle arrays on triblock copolymer templates. , 2008, , .		1
215	Many-body theory of surface-enhanced Raman scattering. Physical Review A, 2008, 78, .	1.0	82
216	Metal-enhanced e-type fluorescence. Applied Physics Letters, 2008, 92, 013905.	1.5	22
217	Gain, detuning, and radiation patterns of nanoparticle optical antennas. Physical Review B, 2008, 78, .	1.1	54
218	Development of Novel Near-Field Microspectroscopy and Imaging of Local Excitations and Wave Functions of Nanomaterials. Bulletin of the Chemical Society of Japan, 2008, 81, 659-675.	2.0	38
219	Femtosecond shape transformation dynamics of silver nanoparticles in glass. Proceedings of SPIE, 2008, , .	0.8	2
220	Nanoscale coupling effects on single particle microscopy. Proceedings of SPIE, 2008, , .	0.8	0
221	Near-Field Raman Imaging and Electromagnetic Field Confinement in the Self-Assembled Monolayer Array of Gold Nanoparticles. Langmuir, 2008, 24, 9241-9244.	1.6	41
222	Spatially-resolved EEL studies of plasmons in silver filled carbon nanotubes using a dedicated STEM. Journal of Physics: Conference Series, 2008, 126, 012087.	0.3	1
223	The effect of layer absorbance for complex surface enhanced Raman scattering substrates. Applied Physics Letters, 2009, 94, .	1.5	17
224	Theory for absorption of ultrashort laser pulses by spheroidal metallic nanoparticles. Physical Review B, 2009, 80, .	1.1	13

#	ARTICLE	IF	CITATIONS
225	Imaging of Plasmonic Modes of Silver Nanoparticles Using High-Resolution Cathodoluminescence Spectroscopy. ACS Nano, 2009, 3, 2965-2974.	7.3	119
226	Theoretical studies of the optical properties of plasmon resonance on silver nanoparticles in the near-field optics. Journal of Applied Physics, 2009, 105, 103101.	1.1	8
227	FDTD Studies of Metallic Nanoparticle Systems. NATO Science for Peace and Security Series A: Chemistry and Biology, 2009, , 11-32.	0.5	8
228	Iterative optimization of plasmon resonant nanostructures. Applied Physics Letters, 2009, 94, .	1.5	13
229	Electron-beam mapping of plasmon resonances in electromagnetically interacting gold nanorods. Physical Review B, 2009, 80, .	1.1	78
230	Translation of nanoantenna hot spots by a metal-dielectric composite superlens. Applied Physics Letters, 2009, 95, 033114.	1.5	23
231	Parallel generation of nanochannels in fused silica with a single femtosecond laser pulse: Exploiting the optical near fields of triangular nanoparticles. Applied Physics Letters, 2009, 95, 063101.	1.5	18
232	NATURE-LIKE PHOTOSYNTHESIS OF WATER AND CARBON DIOXIDE WITH FEMTOSECOND LASER INDUCED SELF-ASSEMBLED METAL NANOSTRUCTURES. International Journal of Modern Physics B, 2009, 23, 5849-5857.	1.0	10
233	Crystal structure and optical properties of silver nanorings. Applied Physics Letters, 2009, 94, 153102.	1.5	41
234	An analytical method to study the effects of a substrate in surface-enhanced Raman scattering. Journal of Applied Physics, 2009, 106, .	1.1	4
235	The effect of aqueous solution in Raman spectroscopy. , 2009, , .		0
236	Formation of dielectric core/metal sheath nanowire composites and their application to SERS sensing. Proceedings of SPIE, 2009, , .	0.8	0
237	Nanocrystal assembly for bottom-up plasmonic materials and surface-enhanced Raman spectroscopy (SERS) sensing. Pure and Applied Chemistry, 2009, 81, 61-71.	0.9	10
238	Plasmonic behavior of Ag/dielectric nanowires and the effect of geometry. Journal of Vacuum Science & Technology B, 2009, 27, 2055.	1.3	7
239	Surface plasmon resonances of an arbitrarily shaped nanoparticle: high-frequency asymptotics via pseudo-differential operators. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 135204.	0.7	4
240	Surface Enhanced Raman Scattering on Self-assembled Nano Silver Film Prepared by Electrolysis Method. Chinese Journal of Chemical Physics, 2009, 22, 435-439.	0.6	1
241	Quantitative amplification of surface enhanced Raman scattering through plasmonic coupling in controlled nanoparticle assemblies. Proceedings of SPIE, 2009, , .	0.8	1
242	Computational and Experimental Evaluation of Nanoparticle Coupling. Journal of Physical Chemistry A, 2009, 113, 4009-4014.	1.1	9

#	ARTICLE	IF	CITATIONS
243	Effect of crossing geometry on the plasmonic behavior of dielectric core/metal sheath nanowires. <i>Applied Physics Letters</i> , 2009, 94, 093105.	1.5	16
244	Evaluation of electromagnetic enhancement of surface enhanced hyper Raman scattering using plasmonic properties of binary active sites in single Ag nanoaggregates. <i>Journal of Chemical Physics</i> , 2009, 130, 214706.	1.2	38
245	Near-field investigations of nanoshell cylinder dimers. <i>Journal of Chemical Physics</i> , 2009, 131, 164704.	1.2	22
246	Surface-Enhanced Raman Scattering: Comparison of Three Different Molecules on Single-Crystal Nanocubes and Nanospheres of Silver. <i>Journal of Physical Chemistry A</i> , 2009, 113, 3932-3939.	1.1	125
247	New Generation of Multifunctional Nanoparticles for Cancer Imaging and Therapy. <i>Advanced Functional Materials</i> , 2009, 19, 1553-1566.	7.8	405
248	Gold Nanorods: From Synthesis and Properties to Biological and Biomedical Applications. <i>Advanced Materials</i> , 2009, 21, 4880-4910.	11.1	1,666
250	Modification of single molecule fluorescence near metallic nanostructures. <i>Laser and Photonics Reviews</i> , 2009, 3, 221-232.	4.4	133
251	A high-throughput method for controlled hot spot fabrication in SERS-active gold nanoparticle dimer arrays. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 2171-2175.	1.2	91
252	Electromagnetic field enhancement in TERS configurations. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 1343-1348.	1.2	187
254	Isolating and Probing the Hot Spot Formed between Two Silver Nanocubes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2180-2184.	7.2	163
255	Direct Evidence of High Spatial Localization of Hot Spots in Surface-Enhanced Raman Scattering. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9932-9935.	7.2	58
256	Cuttlebone-derived organic matrix as a scaffold for assembly of silver nanoparticles and application of the composite films in surface-enhanced Raman scattering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 68, 231-237.	2.5	20
257	On the Surface Plasmon Resonance Modes of Metal Nanoparticle Chains and Arrays. <i>Plasmonics</i> , 2009, 4, 223-230.	1.8	26
258	Mesoflowers: A new class of highly efficient surface-enhanced Raman active and infrared-absorbing materials. <i>Nano Research</i> , 2009, 2, 306-320.	5.8	82
259	Surface-enhanced Raman scattering (SERS) for probing internal cellular structure and dynamics. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 85-94.	1.9	128
260	Gold nanoparticle dimer plasmonics: finite element method calculations of the electromagnetic enhancement to surface-enhanced Raman spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 1819-1825.	1.9	176
261	Surface-enhanced Raman scattering: realization of localized surface plasmon resonance using unique substrates and methods. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 1747-1760.	1.9	107
262	Tunable near-infrared optical properties of three-layered gold-silica-gold nanoparticles. <i>Applied Physics B: Lasers and Optics</i> , 2009, 97, 193-197.	1.1	45



#	ARTICLE	IF	CITATIONS
263	“Hot spots”-induced near-field enhancements in Au nanoshell and Au nanoshell dimer. Applied Physics B: Lasers and Optics, 2009, 97, 497-503.	1.1	7
264	3D Metallic Nanostructure Fabrication by Surfactant-Assisted Multiphoton-Induced Reduction. Small, 2009, 5, 1144-1148.	5.2	212
265	Near-field optical imaging of enhanced electric fields and plasmon waves in metal nanostructures. Progress in Surface Science, 2009, 84, 199-229.	3.8	66
266	Effect of layer structures of gold nanoparticle films on surface enhanced Raman scattering. Analytica Chimica Acta, 2009, 649, 111-116.	2.6	39
267	Designing plasmonic systems using optical coupling between nanoparticles. Physical Review B, 2009, 79, .	1.1	103
268	On the Use of Plasmonic Nanoparticle Pairs As a Plasmon Ruler: The Dependence of the Near-Field Dipole Plasmon Coupling on Nanoparticle Size and Shape. Journal of Physical Chemistry A, 2009, 113, 1946-1953.	1.1	201
269	Rational Selection of Gold Nanorod Geometry for Label-Free Plasmonic Biosensors. ACS Nano, 2009, 3, 795-806.	7.3	233
270	Sensitivity of Localized Surface Plasmon Resonances to Bulk and Local Changes in the Optical Environment. Journal of Physical Chemistry C, 2009, 113, 5120-5125.	1.5	94
271	<i>In Situ</i> Intracellular Spectroscopy with Surface Enhanced Raman Spectroscopy (SERS)-Enabled Nanopipettes. ACS Nano, 2009, 3, 3529-3536.	7.3	137
272	Enhancement and Confinement Analysis of The Electromagnetic Fields Inside Hot Spots. Journal of Physical Chemistry C, 2009, 113, 6315-6319.	1.5	24
273	Bottom-up Design of Hybrid Polymer Nanoassemblies Elucidates Plasmon-Enhanced Second Harmonic Generation from Nonlinear Optical Dyes. Journal of the American Chemical Society, 2009, 131, 4418-4424.	6.6	36
274	Etching-Resistant Silver Nanoprisms by Epitaxial Deposition of a Protecting Layer of Gold at the Edges. Langmuir, 2009, 25, 10165-10173.	1.6	69
275	Quantitative Amplification of Cy5 SERS in “Warm Spots”™ Created by Plasmonic Coupling in Nanoparticle Assemblies of Controlled Structure. Journal of Physical Chemistry C, 2009, 113, 12167-12175.	1.5	45
276	SERS Spectroscopy Used To Study an Adsorbate on a Nanoscale Thin Film of CuO Coated with Ag. Journal of Physical Chemistry C, 2009, 113, 8065-8069.	1.5	64
277	Identification of Multipolar Surface Plasmon Resonances in Triangular Silver Nanoprisms with Very High Aspect Ratios Using the DDA Method. Journal of Physical Chemistry C, 2009, 113, 11597-11604.	1.5	65
278	Wavelength-Dependent Surface-Enhanced Resonance Raman Scattering by Excitation of a Transverse Localized Surface Plasmon. Journal of Physical Chemistry C, 2009, 113, 11877-11883.	1.5	5
279	Room-Temperature Chemical Synthesis of Silver Telluride Nanowires. Journal of Physical Chemistry C, 2009, 113, 13539-13544.	1.5	84
280	Calculation of Surface Plasmon Frequencies of Two, Three, and Four Strongly Interacting Nanospheres. Journal of Physical Chemistry C, 2009, 113, 6463-6471.	1.5	20



#	ARTICLE	IF	CITATIONS
281	Plasmonic Resonances of Closely Coupled Gold Nanosphere Chains. <i>Journal of Physical Chemistry C</i> , 2009, 113, 2784-2791.	1.5	87
282	Type I collagen-mediated synthesis of noble metallic nanoparticles networks and the applications in Surface-Enhanced Raman Scattering and electrochemistry. <i>Talanta</i> , 2009, 79, 562-569.	2.9	13
283	Effect of target localization on the sensitivity of a localized surface plasmon resonance biosensor based on subwavelength metallic nanostructures. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2009, 26, 1027.	0.8	50
284	Electromagnetic wave propagation in a Ag nanoparticle-based plasmonic power divider. <i>Optics Express</i> , 2009, 17, 337.	1.7	10
285	Optical performance and metallic absorption in nanoplasmonic systems. <i>Optics Express</i> , 2009, 17, 3835.	1.7	79
286	Creating high density nanoantenna arrays via plasmon enhanced particle-cavity (PEP-C) architectures. <i>Optics Express</i> , 2009, 17, 6860.	1.7	12
287	Mid-infrared doping tunable transmission through subwavelength metal hole arrays on InSb. <i>Optics Express</i> , 2009, 17, 10223.	1.7	30
288	Simplified model for periodic nanoantennae: linear model and inverse design. <i>Optics Express</i> , 2009, 17, 11607.	1.7	13
289	Purcell effect of nanoshell dimer on single molecule's fluorescence. <i>Optics Express</i> , 2009, 17, 13532.	1.7	74
290	Revealing the spatial distribution of the site enhancement for the surface enhanced Raman scattering on the regular nanoparticle arrays. <i>Optics Express</i> , 2009, 17, 13974.	1.7	18
291	Unraveling near-field origin of electromagnetic waves scattered from silver nanorod arrays using pseudo-spectral time-domain calculation. <i>Optics Express</i> , 2009, 17, 14211.	1.7	19
292	Discontinuous Galerkin time-domain computations of metallic nanostructures. <i>Optics Express</i> , 2009, 17, 14934.	1.7	50
293	SERS-active substrate based on gap surface plasmon polaritons. <i>Optics Express</i> , 2009, 17, 17234.	1.7	32
294	Gold Nanoparticle Superlattices: Novel Surface Enhanced Raman Scattering Active Substrates. <i>Chemistry of Materials</i> , 2009, 21, 3773-3781.	3.2	30
295	Phase Transfer of Large Anisotropic Plasmon Resonant Silver Nanoparticles from Aqueous to Organic Solution. <i>Langmuir</i> , 2009, 25, 7932-7939.	1.6	30
296	Aggregation of Gold Nanoframes Reduces, Rather Than Enhances, SERS Efficiency Due to the Trade-Off of the Inter- and Intraparticle Plasmonic Fields. <i>Nano Letters</i> , 2009, 9, 3025-3031.	4.5	119
297	Surface Plasmon Resonance of Single Gold Nanodimers near the Conductive Contact Limit. <i>Journal of Physical Chemistry C</i> , 2009, 113, 4349-4356.	1.5	95
298	Template-assisted self-assembly: a versatile approach to complex micro- and nanostructures. <i>Soft Matter</i> , 2009, 5, 1129-1136.	1.2	108

#	ARTICLE	IF	CITATIONS
299	Synthesis and Self-Assembly of Polymer and Polymer-Coated Ag Nanoparticles by the Reprecipitation of Binary Mixtures of Polymers. <i>Langmuir</i> , 2009, 25, 9671-9676.	1.6	16
300	Nanostructured Gold Films for SERS by Block Copolymer-Templated Galvanic Displacement Reactions. <i>Nano Letters</i> , 2009, 9, 2384-2389.	4.5	133
301	Photoinduced Shape Conversion and Reconstruction of Silver Nanoprisms. <i>Journal of Physical Chemistry C</i> , 2009, 113, 7025-7030.	1.5	91
302	Molecularly Mediated Processing and Assembly of Nanoparticles: Exploring the Interparticle Interactions and Structures. <i>Accounts of Chemical Research</i> , 2009, 42, 798-808.	7.6	154
303	Surface Plasmon Resonance Enhanced Magneto-Optics (SuPREMO): Faraday Rotation Enhancement in Gold-Coated Iron Oxide Nanocrystals. <i>Nano Letters</i> , 2009, 9, 1644-1650.	4.5	281
304	Surface Enhanced Raman Scattering from an Ag Nanorod Array Substrate: The Site Dependent Enhancement and Layer Absorbance Effect. <i>Journal of Physical Chemistry C</i> , 2009, 113, 9664-9669.	1.5	63
305	Multiscale Maxwell-Schrödinger modeling: A split field finite-difference time-domain approach to molecular nanopolaritonics. <i>Journal of Chemical Physics</i> , 2009, 130, 104707.	1.2	84
306	Single Metallic Nanoparticle Sensitivity with Hyper Rayleigh Scattering. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13477-13481.	1.5	34
307	Surface-Enhanced Raman Scattering Spectroscopy. , 2009, , 289-319.		9
308	Nanoparticle-Enhanced Photopolymerization. <i>Journal of Physical Chemistry C</i> , 2009, 113, 11720-11724.	1.5	75
309	Chemical Synthesis of Novel Plasmonic Nanoparticles. <i>Annual Review of Physical Chemistry</i> , 2009, 60, 167-192.	4.8	616
310	On the importance of incorporating dipole reradiation in the modeling of surface enhanced Raman scattering from spheres. <i>Journal of Chemical Physics</i> , 2009, 131, 084708.	1.2	70
311	Gain and loss of propagating electromagnetic wave along a hollow silver nanorod. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 5871.	1.3	5
312	Self-assembly of 1,10-phenanthroline aliphatic diamines on Ag nanoparticles as an effective localized surface plasmon nanosensor based in interparticle hot spots. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 7363.	1.3	26
313	Dimers of Silver Nanospheres: Facile Synthesis and Their Use as Hot Spots for Surface-Enhanced Raman Scattering. <i>Nano Letters</i> , 2009, 9, 485-490.	4.5	578
314	Plasmonic Nanogalaxies: Multiscale Aperiodic Arrays for Surface-Enhanced Raman Sensing. <i>Nano Letters</i> , 2009, 9, 3922-3929.	4.5	206
315	Engineered SERS Substrates with Multiscale Signal Enhancement: Nanoparticle Cluster Arrays. <i>ACS Nano</i> , 2009, 3, 1190-1202.	7.3	375
316	A study on the spectral characteristics of Au nanoantennas. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
317	Surface-Enhanced Raman Scattering Enhancement by Aggregated Silver Nanocube Monolayers Assembled by the Langmuir-Blodgett Technique at Different Surface Pressures. <i>Journal of Physical Chemistry C</i> , 2009, 113, 5493-5501.	1.5	122
318	Probing of cancer cell apoptosis by SERS and LSCM. <i>Proceedings of SPIE</i> , 2009, , .	0.8	3
319	Preparations of Triangular Gold Nanoplates by Chemical and Photoreduction Methods. <i>Chemistry Letters</i> , 2009, 38, 1022-1023.	0.7	5
323	Surface phonon polaritons on SiC substrate for surface-enhanced infrared absorption spectroscopy. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010, 27, 2393.	0.9	15
324	Plasmonic Light-Harvesting Devices over the Whole Visible Spectrum. <i>Nano Letters</i> , 2010, 10, 2574-2579.	4.5	345
325	Collection and Concentration of Light by Touching Spheres: A Transformation Optics Approach. <i>Physical Review Letters</i> , 2010, 105, 266807.	2.9	89
326	Interaction between Plasmonic Nanoparticles Revisited with Transformation Optics. <i>Physical Review Letters</i> , 2010, 105, 233901.	2.9	123
327	Broadband nano-focusing of light using kissing nanowires. <i>New Journal of Physics</i> , 2010, 12, 093030.	1.2	68
328	Quantitative analysis of thymine with surface-enhanced Raman spectroscopy and partial least squares (PLS) regression. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 1827-1832.	1.9	54
329	Monopole probe fed by coupling gold rods. <i>Applied Physics B: Lasers and Optics</i> , 2010, 101, 337-341.	1.1	2
330	Toward superlensing with metal-dielectric composites and multilayers. <i>Applied Physics B: Lasers and Optics</i> , 2010, 100, 93-100.	1.1	37
331	Measuring the SERS enhancement factors of dimers with different structures constructed from silver nanocubes. <i>Chemical Physics Letters</i> , 2010, 484, 304-308.	1.2	107
332	Plasmonic coupling in noble metal nanostructures. <i>Chemical Physics Letters</i> , 2010, 487, 153-164.	1.2	798
333	FDTD for plasmonics: Applications in enhanced Raman spectroscopy. <i>Science Bulletin</i> , 2010, 55, 2635-2642.	1.7	61
334	Chemical sensing based on the plasmonic response of nanoparticle aggregation: anion sensing in nanoparticles stabilized by amino-functional ionic liquid. <i>Frontiers of Physics in China</i> , 2010, 5, 330-336.	1.0	11
335	Surface Plasmon Resonances of Metallic Nanostars/Nanoflowers for Surface-Enhanced Raman Scattering. <i>Plasmonics</i> , 2010, 5, 99-104.	1.8	53
336	Location-Dependent Local Field Enhancement Along the Surface of the Metal-Dielectric Core-Shell Nanostructure. <i>Plasmonics</i> , 2010, 5, 311-318.	1.8	9
337	Aliphatic Diamines as Molecular Linkers for Engineering Ag Nanoparticle Clusters: Tuning of the Interparticle Distance and Sensing Application. <i>Plasmonics</i> , 2010, 5, 273-286.	1.8	21

#	ARTICLE	IF	CITATIONS
338	Aqueous-Phase Synthesis of Silver Nanodiscs and Nanorods in Methyl Cellulose Matrix: Photophysical Study and Simulation of UV-Vis Extinction Spectra Using DDA Method. <i>Nanoscale Research Letters</i> , 2010, 5, 1611-1618.	3.1	30
339	From Ag Nanoprisms to Triangular AuAg Nanoboxes. <i>Advanced Functional Materials</i> , 2010, 20, 1329-1338.	7.8	100
340	Properties and Applications of Colloidal Nonspherical Noble Metal Nanoparticles. <i>Advanced Materials</i> , 2010, 22, 1805-1825.	11.1	909
341	A Nanoparticle Convective Directed Assembly Process for the Fabrication of Periodic Surface Enhanced Raman Spectroscopy Substrates. <i>Advanced Materials</i> , 2010, 22, 4298-4302.	11.1	95
344	Self-Assembly of Nanotriangle Superlattices Facilitated by Repulsive Electrostatic Interactions. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6760-6763.	7.2	99
345	Surface-enhanced Raman scattering (SERS) spectra of hemoglobin on nano silver film prepared by electrolysis method. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 614-617.	1.2	25
346	Physical mechanisms behind the SERS enhancement of pyramidal pit substrates. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 1106-1111.	1.2	60
347	The SERS response of semiordered Ag nanorod arrays fabricated by template oblique angle deposition. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 1112-1118.	1.2	32
348	Gold nanoparticles: Optical properties and implementations in cancer diagnosis and photothermal therapy. <i>Journal of Advanced Research</i> , 2010, 1, 13-28.	4.4	1,616
349	Gap-mode SERS studies of azobenzene-containing self-assembled monolayers on Au(111). <i>Journal of Colloid and Interface Science</i> , 2010, 341, 366-375.	5.0	31
350	Effect of Au and Au@Ag core-shell nanoparticles on the SERS of bridging organic molecules. <i>Journal of Colloid and Interface Science</i> , 2010, 351, 35-42.	5.0	54
351	Enhancement or quenching effect of metallic nanodimer on spontaneous emission. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2010, 111, 454-465.	1.1	41
352	Influence of interface on surface plasmon frequencies of metallic nanosphere. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 43, 134-137.	1.3	3
353	The influence of mechanical strain on the optical properties of spherical gold nanoparticles. <i>Journal of the Mechanics and Physics of Solids</i> , 2010, 58, 330-345.	2.3	47
354	Nanogap-engineerable Raman-active nanodumbbells for single-molecule detection. <i>Nature Materials</i> , 2010, 9, 60-67.	13.3	1,083
355	Properties and emerging applications of self-assembled structures made from inorganic nanoparticles. <i>Nature Nanotechnology</i> , 2010, 5, 15-25.	15.6	1,449
357	Effect of the Interface in Plasmon-enhanced Second Harmonic Generation from Nonlinear Optical Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2010, 1248, 1120.	0.1	0
358	Measurement and Optimization of Metal-Nanoparticle-Induced Luminescence Enhancement Factors in a Crossed-Optical Fiber Configuration. <i>Journal of Nanomaterials</i> , 2010, 2010, 1-11.	1.5	5

#	ARTICLE	IF	CITATIONS
359	Single Molecule Immunoassay on Plasmonic Platforms. <i>Current Pharmaceutical Biotechnology</i> , 2010, 11, 96-102.	0.9	14
360	Solar spectrum rectification using nano-antennas and tunneling diodes. <i>Proceedings of SPIE</i> , 2010, , .	0.8	42
361	Strain effects on the SERS enhancements for spherical silver nanoparticles. <i>Nanotechnology</i> , 2010, 21, 365704.	1.3	18
362	Plasmonic coupling on dielectric nanowire core-metal sheath composites. <i>Nanotechnology</i> , 2010, 21, 085705.	1.3	23
364	Fabrication and characterization of coupled metal-dielectric-metal nanoantennas. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010, 28, C6O21-C6O25.	0.6	1
365	Polymeric/inorganic nanocomposites: fabrication and applications in multiple bioimaging. , 2010, , 638-e697.		2
366	Theoretical proposal for a biosensing approach based on a linear array of immobilized gold nanoparticles. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	12
367	Controlling the quantum yield of a dipole emitter with coupled plasmonic modes. <i>Physical Review B</i> , 2010, 81, .	1.1	33
368	NOVEL METHOD FOR CANCER CELL APOPTOSIS BY LOCALIZED UV LIGHT WITH GOLD NANOSTRUCTURES: A THEORETICAL INVESTIGATION. <i>Nano</i> , 2010, 05, 325-332.	0.5	4
370	High purity separation of nanoparticle dimers and trimers for SERS hot spots. , 2010, , .		1
371	Magneto-optical effects in nanosandwich array with plasmonic structure of Au/[Co/Pt] <sub>n</sub> /Au. <i>Journal of Applied Physics</i> , 2010, 107, 09A928.	1.1	16
372	Spectral variations in background light emission of surface-enhanced resonance hyper Raman scattering coupled with plasma resonance of individual silver nanoaggregates. <i>Journal of Chemical Physics</i> , 2010, 133, 124704.	1.2	12
373	Optical properties and surface-enhanced Raman scattering of quasi-3D gold plasmonic nanostructures. <i>Proceedings of SPIE</i> , 2010, , .	0.8	1
374	Influence of the roughness of metal templates on surface enhanced Raman scattering. , 2010, , .		1
375	Screening Nanopyramid Assemblies to Optimize Surface Enhanced Raman Scattering. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1046-1050.	2.1	34
376	Measuring Ensemble-Averaged Surface-Enhanced Raman Scattering in the Hotspots of Colloidal Nanoparticle Dimers and Trimers. <i>Journal of the American Chemical Society</i> , 2010, 132, 3644-3645.	6.6	382
377	Surface plasmon resonances in silver Bowtie nanoantennas with varied bow angles. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	79
378	Understanding the SERS Effects of Single Silver Nanoparticles and Their Dimers, One at a Time. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 696-703.	2.1	205

#	ARTICLE	IF	CITATIONS
380	Selective Detection of HbA1c Using Surface Enhanced Resonance Raman Spectroscopy. <i>Analytical Chemistry</i> , 2010, 82, 1342-1348.	3.2	75
381	Deposition of Silver Dendritic Nanostructures on Silicon for Enhanced Fluorescence. <i>Journal of Physical Chemistry C</i> , 2010, 114, 1562-1569.	1.5	32
382	Nanopolaritons: Vacuum Rabi Splitting with a Single Quantum Dot in the Center of a Dimer Nanoantenna. <i>ACS Nano</i> , 2010, 4, 6369-6376.	7.3	241
383	Plasmonic properties of Fischer's patterns: polarization effects. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 6810.	1.3	29
384	Conjugates, Complexes, and Interlocked Systems Based on Squaraines and Cyanines. <i>Springer Series on Fluorescence</i> , 2010, , 159-190.	0.8	11
385	Surface-Stress-Driven Lattice Contraction Effects on the Extinction Spectra of Ultrasmall Silver Nanowires. <i>Journal of Physical Chemistry C</i> , 2010, 114, 8741-8748.	1.5	15
386	Fluorescence Enhancement with the Optical (Bi-) Conical Antenna. <i>Journal of Physical Chemistry C</i> , 2010, 114, 7372-7377.	1.5	59
387	Indirect Nanoplasmonic Sensing: Ultrasensitive Experimental Platform for Nanomaterials Science and Optical Nanocalorimetry. <i>Nano Letters</i> , 2010, 10, 3529-3538.	4.5	180
388	Optical Properties of Nanowire Dimers with a Spatially Nonlocal Dielectric Function. <i>Nano Letters</i> , 2010, 10, 3473-3481.	4.5	134
389	Gap Structure Effects on Surface-Enhanced Raman Scattering Intensities for Gold Gapped Rods. <i>Nano Letters</i> , 2010, 10, 1722-1727.	4.5	103
390	Hexagonal Array of Gold Nanotriangles: Modeling the Electric Field Distribution. <i>Journal of Physical Chemistry C</i> , 2010, 114, 19952-19957.	1.5	14
391	Tunable SERS in Gold Nanorod Dimers through Strain Control on an Elastomeric Substrate. <i>Nano Letters</i> , 2010, 10, 4488-4493.	4.5	186
392	On the Far Field Optical Properties of Ag <sup>+</sup> Au Nanosphere Pairs. <i>Journal of Physical Chemistry C</i> , 2010, 114, 16278-16284.	1.5	46
393	Active Role of Oxide Layers on the Polarization of Plasmonic Nanostructures. <i>ACS Nano</i> , 2010, 4, 4117-4125.	7.3	12
394	Surface-Enhanced Raman Spectroscopy Amplification with Film over Etched Nanospheres. <i>Journal of Physical Chemistry C</i> , 2010, 114, 22406-22412.	1.5	42
395	Nanoassembled Plasmonic-Photonic Hybrid Cavity for Tailored Light-Matter Coupling. <i>Nano Letters</i> , 2010, 10, 891-895.	4.5	180
396	Effect of Medium for Enhanced Nanosensing: DDA Theory vs Experimental Studies of Ag Nanoparticle Assemblies. <i>Journal of Physical Chemistry C</i> , 2010, 114, 2861-2866.	1.5	4
397	Density Functional Theory Based Studies on the Nature of Raman and Resonance Raman Scattering of Nerve Agent Bound to Gold and Oxide-Supported Gold Clusters: A Plausible Way of Detection. <i>Journal of Physical Chemistry A</i> , 2010, 114, 4340-4353.	1.1	10

#	ARTICLE	IF	CITATIONS
398	Separation of Electromagnetic and Chemical Contributions to Surface-Enhanced Raman Spectra on Nanoengineered Plasmonic Substrates. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2740-2746.	2.1	106
399	Enhanced Spectral Sensing by Electromagnetic Coupling With Localized Surface Plasmons on Subwavelength Structures. <i>IEEE Sensors Journal</i> , 2010, 10, 531-540.	2.4	43
400	Facile Approach to Large-Scale Synthesis of 1D Calcium and Titanium Precipitate (CTP) with High Electrorheological Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 621-625.	4.0	62
401	Stable, Dispersible Surface-Enhanced Raman Scattering Substrate Capable of Detecting Molecules Bound to Silica-Immobilized Ligands. <i>Applied Spectroscopy</i> , 2010, 64, 1238-1243.	1.2	6
402	Vertically Oriented Sub-10-nm Plasmonic Nanogap Arrays. <i>Nano Letters</i> , 2010, 10, 2231-2236.	4.5	384
403	Linear and nonlinear optical characteristics of composites containing metal nanoparticles with different sizes and shapes. <i>Optics Express</i> , 2010, 18, 7488.	1.7	76
404	Analytical solutions to light scattering by plasmonic nanoparticles with nearly spherical shape and nonlocal effect. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2010, 27, 2411.	0.8	8
405	Interface effects in plasmon-enhanced second-harmonic generation from self-assembled multilayer films. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010, 27, 92.	0.9	7
406	Development of Nanostructured Plasmonic Substrates for Enhanced Optical Biosensing. <i>Journal of the Optical Society of Korea</i> , 2010, 14, 65-76.	0.6	40
407	Direct near-field optical imaging of plasmonic resonances in metal nanoparticle pairs. <i>Optics Express</i> , 2010, 18, 165.	1.7	60
408	Full Analytical Model for Obtaining Surface Plasmon Resonance Modes of Metal Nanoparticle Structures Embedded in Layered Media. <i>Optics Express</i> , 2010, 18, 1722.	1.7	24
409	Enhancing Light Coupling With Plasmonic Optical Antennas. , 2010, , 271-291.		1
410	Calibration of Silver Plasmon Rulers in the 1~25 nm Separation Range: Experimental Indications of Distinct Plasmon Coupling Regimes. <i>Journal of Physical Chemistry C</i> , 2010, 114, 4901-4908.	1.5	111
411	Plasmon Coupling in Silver Nanosphere Pairs. <i>Journal of Physical Chemistry C</i> , 2010, 114, 3918-3923.	1.5	101
412	Selection and transfer of individual plasmon-resonant metal nanoparticles. <i>Applied Physics Letters</i> , 2010, 96, 053117.	1.5	2
413	Nanogap-Assisted Surface Plasmon Nanolithography. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 657-662.	2.1	94
414	Robust SERS Substrates Generated by Coupling a Bottom-Up Approach and Atomic Layer Deposition. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 1987-1991.	4.0	44
415	Optical limiting with complex plasmonic nanoparticles. <i>Journal of Optics (United Kingdom)</i> , 2010, 12, 065001.	1.0	21



#	ARTICLE	IF	CITATIONS
416	Metamaterials. , 2010, , .		329
417	Advanced Fluorescence Reporters in Chemistry and Biology II. Springer Series on Fluorescence, 2010, , .	0.8	13
418	Plasmonic resonances and hot spots in Ag octopods. Applied Physics Letters, 2010, 96, 033105.	1.5	13
419	Lanthanum Telluride Nanowires: Formation, Doping, and Raman Studies. Journal of Physical Chemistry C, 2010, 114, 5871-5878.	1.5	36
420	Probing the Plasmonic Near-Field of Gold Nanocrescent Antennas. ACS Nano, 2010, 4, 6639-6650.	7.3	133
421	NANOSTRUCTURING SOLID SURFACES WITH FEMTOSECOND LASER IRRADIATIONS FOR APPLICATIONS. Modern Physics Letters B, 2010, 24, 257-269.	1.0	7
422	Broadband plasmonic device concentrating the energy at the nanoscale: The crescent-shaped cylinder. Physical Review B, 2010, 82, .	1.1	65
423	Surface-Enhanced Raman Spectroscopy (SERS) for Environmental Analyses. Environmental Science & Technology, 2010, 44, 7749-7755.	4.6	401
424	Precision Assembly of Oppositely and Like-Charged Nanoobjects Mediated by Charge-Induced Dipole Interactions. Nano Letters, 2010, 10, 2275-2280.	4.5	49
425	Electric field enhancement and concomitant Raman spectral effects at the edges of a nanometre-thin gold mesotriangle. Journal of Materials Chemistry, 2010, 20, 2108.	6.7	38
426	Numerical Studies of Metal&#x2013;Dielectric&#x2013;Metal Nanoantennas. IEEE Nanotechnology Magazine, 2010, 9, 701-707.	1.1	12
427	Facile and controlled synthesis of self-conjugated Ag@IP6-micelle compositions for surface-enhanced spectroscopic application. Journal of Materials Chemistry, 2010, 20, 2317.	6.7	13
428	Competing effects of field localization and absorption enhancement using plasmonic nanostructures in thin film a-Si solar cells. , 2011, , .		0
429	Template-directed dewetting of a gold membrane to fabricate highly SERS-active substrates. Journal of Materials Chemistry, 2011, 21, 14031.	6.7	28
430	Antibody-functionalized SERS tags with improved sensitivity. Chemical Communications, 2011, 47, 8784.	2.2	32
431	Spectroscopy of molecular junctions. Chemical Society Reviews, 2011, 40, 2293.	18.7	53
432	Photoisomerization of azobenzene derivatives confined in gold nanoparticle aggregates. Physical Chemistry Chemical Physics, 2011, 13, 12900.	1.3	33
433	Gold nanorod ensembles as artificial molecules for applications in sensors. Journal of Materials Chemistry, 2011, 21, 16759.	6.7	59



#	ARTICLE	IF	CITATIONS
434	Bio-imaging, detection and analysis by using nanostructures as SERS substrates. <i>Journal of Materials Chemistry</i> , 2011, 21, 5190.	6.7	114
435	<i>In Situ</i> High Temperature Surface Enhanced Raman Spectroscopy for the Study of Interface Phenomena: Probing a Solid Acid on Alumina. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9068-9073.	1.5	19
436	Silver Nanourchins in Plasmonics: Theoretical Investigation on the Optical Properties of the Branches. <i>Journal of Physical Chemistry C</i> , 2011, 115, 11934-11940.	1.5	17
437	Surface-Enhanced Raman Spectroscopy: Investigations at the Nanorod Edges and Dimer Junctions. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 610-615.	2.1	87
438	Correlated AFM and SERS imaging of the transition from nanotriangle to nanohole arrays. <i>Chemical Communications</i> , 2011, 47, 3404.	2.2	18
439	Laser Engineered Multilayer Coating of Biphasic Calcium Phosphate/Titanium Nanocomposite on Metal Substrates. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 339-350.	4.0	36
440	High Sensitivity Surface-Enhanced Raman Scattering in Solution Using Engineered Silver Nanosphere Dimers. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15900-15907.	1.5	20
441	Plasmonic Spheroidal Metal Nanoshells Showing Larger Tunability and Stronger Near Fields Than Their Spherical Counterparts: An Effect of Enhanced Plasmon Coupling. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 374-378.	2.1	23
442	Correlated Super-Resolution Optical and Structural Studies of Surface-Enhanced Raman Scattering Hot Spots in Silver Colloid Aggregates. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1766-1770.	2.1	82
443	Stability and Quenching of Plasmon Resonance Absorption in Magnetic Gold Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2996-3001.	2.1	5
444	Size Dependence of the Plasmon Ruler Equation for Two-Dimensional Metal Nanosphere Arrays. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15915-15926.	1.5	57
445	Understanding the Effect of Adsorption Geometry over Substrate Selectivity in the Surface-Enhanced Raman Scattering Spectra of Simazine and Atrazine. <i>Journal of Physical Chemistry C</i> , 2011, 115, 4184-4190.	1.5	49
446	Absorption of Light in a Single-Nanowire Silicon Solar Cell Decorated with an Octahedral Silver Nanocrystal. <i>Nano Letters</i> , 2011, 11, 5189-5195.	4.5	72
447	Nanoparticle SERS substrates with 3D Raman-active volumes. <i>Chemical Science</i> , 2011, 2, 1435.	3.7	68
448	Optical properties of metallic nanoparticles: manipulating light, heat and forces at the nanoscale. <i>Nanoscale</i> , 2011, 3, 4042.	2.8	228
449	Enhanced Fano Resonance in Asymmetrical Au:Ag Heterodimers. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6410-6414.	1.5	83
450	Electrostatics at the nanoscale. <i>Nanoscale</i> , 2011, 3, 1316-1344.	2.8	222
451	Mixed Dimer Double-Resonance Substrates for Surface-Enhanced Raman Spectroscopy. <i>ACS Nano</i> , 2011, 5, 307-314.	7.3	79

#	ARTICLE	IF	CITATIONS
452	Resonant wedge-plasmon modes in single-crystalline gold nanoplatelets. <i>Physical Review B</i> , 2011, 83, .	1.1	81
453	Trimeric Plasmonic Molecules: The Role of Symmetry. <i>Nano Letters</i> , 2011, 11, 2440-2445.	4.5	154
454	Colloidal quantum dot photodetectors enhanced by self-assembled plasmonic nanoparticles. <i>Applied Physics Letters</i> , 2011, 98, 113110.	1.5	26
455	Noble Metal Nanoparticles: Synthesis and Optical Properties. , 2011, , 375-435.		32
456	Spatial, Spectral, and Coherence Mapping of Single-Molecule SERS Active Hot Spots via the Discrete-Dipole Approximation. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1695-1700.	2.1	34
457	Plasmonic Nanoantennas: Fundamentals and Their Use in Controlling the Radiative Properties of Nanoemitters. <i>Chemical Reviews</i> , 2011, 111, 3888-3912.	23.0	1,224
458	Extending SERS into the infrared with gold nanosphere dimers. <i>Chemical Communications</i> , 2011, 47, 3769.	2.2	62
459	Controlled localized surface plasmon resonance wavelength for conductive nanoparticles over the ultraviolet to near-infrared region. <i>Journal of Materials Chemistry</i> , 2011, 21, 10238.	6.7	40
460	Plasmon Resonant Enhancement of Photocatalytic Water Splitting Under Visible Illumination. <i>Nano Letters</i> , 2011, 11, 1111-1116.	4.5	934
461	Precise Subnanometer Plasmonic Junctions for SERS within Gold Nanoparticle Assemblies Using Cucurbit[ <i>n</i> ]uril. <i>ACS Nano</i> , 2011, 5, 3878-3887.	7.3	322
462	Reversible Tuning of Plasmon Coupling in Gold Nanoparticle Chains Using Ultrathin Responsive Polymer Film. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 945-951.	4.0	39
463	Theoretical and numerical investigation of the size-dependent optical effects in metal nanoparticles. <i>Physical Review B</i> , 2011, 84, .	1.1	29
464	Re-radiation Enhancement in Polarized Surface-Enhanced Resonant Raman Scattering of Randomly Oriented Molecules on Self-Organized Gold Nanowires. <i>ACS Nano</i> , 2011, 5, 5945-5956.	7.3	94
465	Plasmons in Strongly Coupled Metallic Nanostructures. <i>Chemical Reviews</i> , 2011, 111, 3913-3961.	23.0	2,663
467	SERS Orientational Imaging of Silver Nanoparticle Dimers. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2711-2715.	2.1	43
468	Holographic Control of Motive Shape in Plasmonic Nanogap Arrays. <i>Nano Letters</i> , 2011, 11, 2715-2719.	4.5	41
469	High Surface-Enhanced Raman Scattering (SERS) sensitivity of R6G by fabrication of silver nanoparticles over GaN nanowires. , 2011, , .		4
471	Silver Nanoparticles Coated Zinc Oxide Nanorods Array as Superhydrophobic Substrate for the Amplified SERS Effect. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9977-9983.	1.5	118

#	ARTICLE	IF	CITATIONS
472	Micro-array versus nano-array platforms: a comparative study for ODN detection based on SPR enhanced ellipsometry. <i>Nanotechnology</i> , 2011, 22, 165501.	1.3	3
473	Surface-Enhanced Raman Scattering (SERS) Cytometry. <i>Methods in Cell Biology</i> , 2011, 102, 515-532.	0.5	34
474	Identification of single nanoparticles. <i>Nanoscale</i> , 2011, 3, 31-44.	2.8	36
475	Plasmonic Hybridization between Nanowires and a Metallic Surface: A Transformation Optics Approach. <i>ACS Nano</i> , 2011, 5, 3293-3308.	7.3	89
476	Architecture of Metallic Nanostructures: Synthesis Strategy and Specific Applications. <i>Journal of Physical Chemistry C</i> , 2011, 115, 3513-3527.	1.5	156
477	The Discussion section as argument: The language used to prove knowledge claims. <i>English for Specific Purposes</i> , 2011, 30, 164-175.	1.2	44
478	Optical properties of a metal nanosphere with spatially dispersive permittivity. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 1224.	0.9	17
479	Comprehensive three-dimensional split-field finite-difference time-domain method for analysis of periodic plasmonic nanostructures: near- and far-field formulation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 2690.	0.9	23
480	Theoretical Studies of Plasmonics using Electronic Structure Methods. <i>Chemical Reviews</i> , 2011, 111, 3962-3994.	23.0	393
481	Plasmon Coupling in Silver Nanocube Dimers: Resonance Splitting Induced by Edge Rounding. <i>ACS Nano</i> , 2011, 5, 9450-9462.	7.3	144
482	Observation of Autler-Townes splitting in six-wave mixing. <i>Optics Express</i> , 2011, 19, 7726.	1.7	39
483	Vertical optical antennas integrated with spiral ring gratings for large local electric field enhancement and directional radiation. <i>Optics Express</i> , 2011, 19, 10049.	1.7	19
484	Optical trapping through the localized surface-plasmon resonance of engineered gold nanoblock pairs. <i>Optics Express</i> , 2011, 19, 17462.	1.7	38
485	Gap surface plasmon polaritons enhanced by a plasmonic lens. <i>Optics Letters</i> , 2011, 36, 3082.	1.7	9
486	Near-field coupling of metal nanoparticles under tightly focused illumination. <i>Optics Letters</i> , 2011, 36, 3527.	1.7	11
487	Spectral tuning of IR-resonant nanoantennas by nanogap engineering. <i>Optical Materials Express</i> , 2011, 1, 1301.	1.6	11
488	Kinetic Studies of the Photogeneration of Silver Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9861-9870.	1.5	11
489	Design and Implementation of Noble Metal Nanoparticle Cluster Arrays for Plasmon Enhanced Biosensing. <i>Journal of Physical Chemistry C</i> , 2011, 115, 24437-24453.	1.5	96

#	ARTICLE	IF	CITATIONS
490	Engineering Photonicâ€“Plasmonic Coupling in Metal Nanoparticle Necklaces. ACS Nano, 2011, 5, 6578-6585.	7.3	85
491	Field Effects in Plasmonic Photocatalyst by Precise SiO <sub>2</sub> Thickness Control Using Atomic Layer Deposition. ACS Catalysis, 2011, 1, 300-308.	5.5	151
492	Anisotropic nanomaterials: structure, growth, assembly, and functions. Nano Reviews, 2011, 2, 5883.	3.7	373
493	Near Field Enhancement in Ag Au Nanospheres Heterodimers. Journal of Physical Chemistry C, 2011, 115, 15908-15914.	1.5	44
494	Gold and Silver Nanowires for Fluorescence Enhancement. , 2011, , .		3
495	A label-free biosensor based on silver nanoparticles array for clinical detection of serum p53 in head and neck squamous cell carcinoma. International Journal of Nanomedicine, 2011, 6, 381.	3.3	107
496	Using metal nanostructures to form hydrocarbons from carbon dioxide, water and sunlight. AIP Advances, 2011, 1, .	0.6	10
497	Effect of poly- $\alpha$ , $\gamma$ , L-glutamic acid as a capping agent on morphology and oxidative stress-dependent toxicity of silver nanoparticles. International Journal of Nanomedicine, 2011, 6, 2837.	3.3	34
498	Surface monitoring based on light scattering by metal nanosensors. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 2046-2058.	1.1	3
499	Solution-phase synthesis of silver nanodiscs in HPMC-matrix and simulation of UVâ€“vis extinction spectra using DDA based method. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 82, 368-374.	2.0	8
500	A Focused Asymmetric Metalâ€“Insulatorâ€“Metal Tunneling Diode: Fabrication, DC Characteristics and RF Rectification Analysis. IEEE Transactions on Electron Devices, 2011, 58, 3519-3528.	1.6	49
501	Selective Excitation of Individual Plasmonic Hotspots at the Tips of Single Gold Nanostars. Nano Letters, 2011, 11, 402-407.	4.5	175
502	Collective plasmon modes in a compositionally asymmetric nanoparticle dimer. AIP Advances, 2011, 1, .	0.6	57
503	Plasmonic coupling in nondipolar gold colloidal dimers. Applied Physics Letters, 2011, 98, .	1.5	25
504	Multimodal plasmon coupling in low symmetry gold nanoparticle pairs detected in surface-enhanced Raman scattering. Applied Physics Letters, 2011, 98, .	1.5	25
505	Recent advancements in optical DNA biosensors: Exploiting the plasmonic effects of metal nanoparticles. Analyst, The, 2011, 136, 436-447.	1.7	121
506	Controlling the Synthesis and Assembly of Silver Nanostructures for Plasmonic Applications. Chemical Reviews, 2011, 111, 3669-3712.	23.0	2,410
507	Subwavelength control of electromagnetic field confinement in self-similar chains of magnetoplasmonic core-shell nanostructures. Physical Review E, 2011, 84, 026612.	0.8	9

#	ARTICLE	IF	CITATIONS
508	Templated Techniques for the Synthesis and Assembly of Plasmonic Nanostructures. <i>Chemical Reviews</i> , 2011, 111, 3736-3827.	23.0	1,080
509	Controlled assembly of plasmonic colloidal nanoparticle clusters. <i>Nanoscale</i> , 2011, 3, 1304.	2.8	253
510	Surface enhanced optical spectroscopies for bioanalysis. <i>Analyst</i> , 2011, 136, 3831.	1.7	113
511	Hybrid semiconductor quantum dot-metal nanocrystal structures prepared by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2011, 323, 290-292.	0.7	0
512	Physical properties of elongated inorganic nanoparticles. <i>Physics Reports</i> , 2011, 501, 75-221.	10.3	138
513	DDA-Based Simulation of UV-Vis Extinction Spectra of Ag Nanorods Synthesized Through Seed-Mediated Growth Process. <i>Plasmonics</i> , 2011, 6, 43-51.	1.8	15
514	Electromagnetic Enhancement Effect Caused by Aggregation on SERS-Active Gold Nanoparticles. <i>Plasmonics</i> , 2011, 6, 113-124.	1.8	31
515	Tightly Focused Radially Polarized Beam for Propagating Surface Plasmon-Assisted Gap-Mode Raman Spectroscopy. <i>Plasmonics</i> , 2011, 6, 651-657.	1.8	32
516	Low-Cost Fabrication of Pt Thin Films with Controlled Nanostructures and Their Effects on SERS. <i>Plasmonics</i> , 2011, 6, 715-723.	1.8	6
517	Shaped gold and silver nanoparticles. <i>Frontiers of Materials Science</i> , 2011, 5, 1-24.	1.1	27
518	Nanogap Ring Antennae as Plasmonically Coupled SERRS Substrates. <i>Small</i> , 2011, 7, 119-125.	5.2	45
519	Tailoring Plasmonic Nanostructures for Optimal SERS Sensing of Small Molecules and Large Microorganisms. <i>Small</i> , 2011, 7, 371-376.	5.2	46
520	3D Self-Assembled Plasmonic Superstructures of Gold Nanospheres: Synthesis and Characterization at the Single-Particle Level. <i>Small</i> , 2011, 7, 3445-3451.	5.2	77
521	SERS enhancement of gold nanospheres of defined size. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1736-1742.	1.2	138
522	Stamping plasmonic nanoarrays on SERS-supporting platforms. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1916-1924.	1.2	13
525	Long-Term Stable Silver Subsurface Ion-Exchanged Glasses for SERS Applications. <i>ChemPhysChem</i> , 2011, 12, 1683-1688.	1.0	26
527	Generation of Hot Spots with Silver Nanocubes for Single-Molecule Detection by Surface-Enhanced Raman Scattering. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5473-5477.	7.2	248
528	Optoelectronic properties of sputter-deposited Ag-SiO <sub>2</sub> nanoparticle films by rapid thermal annealing. <i>Current Applied Physics</i> , 2011, 11, S328-S332.	1.1	10

#	ARTICLE	IF	CITATIONS
529	A review on the fabrication of substrates for surface enhanced Raman spectroscopy and their applications in analytical chemistry. <i>Analytica Chimica Acta</i> , 2011, 693, 7-25.	2.6	905
530	Spatial distribution of enhanced optical fields in monolayered assemblies of metal nanoparticles: Effects of interparticle coupling. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 221, 154-159.	2.0	10
531	Experimental demonstration of the electromagnetic mechanism underlying surface enhanced Raman scattering using single nanoparticle spectroscopy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 219, 167-179.	2.0	14
532	Fluorescent microscopy using localized excitation source with gold nanotriangles: A computational study. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2011, 9, 219-224.	1.0	1
533	Enhanced photoluminescence of conjugated polymer thin films on nanostructured silver. <i>Journal of Luminescence</i> , 2011, 131, 1594-1598.	1.5	13
534	Annealing structured Au nanoparticles enhanced light emission from CdSe quantum dots. <i>Thin Solid Films</i> , 2011, 519, 5582-5587.	0.8	12
535	Optical studies on sputter-deposited Ag@SiO <sub>2</sub> nanoparticle composites. <i>Thin Solid Films</i> , 2011, 519, 7124-7128.	0.8	15
536	Multi-layer nanogap array for high-performance SERS substrate. <i>Nanotechnology</i> , 2011, 22, 235303.	1.3	5
537	Electromagnetic contribution to surface-enhanced Raman scattering from rough metal surfaces: A transformation optics approach. <i>Physical Review B</i> , 2011, 83, .	1.1	45
538	Fundamental behavior of electric field enhancements in the gaps between closely spaced nanostructures. <i>Physical Review B</i> , 2011, 83, .	1.1	51
539	A Nano-Particle Synthesis Technology Dedicated to Solar Cells Applications. <i>Advanced Materials Research</i> , 0, 324, 113-118.	0.3	0
540	Studies of plasmonic hot-spot translation by a metal-dielectric layered superlens. , 2011, , .		1
541	Critical current density enhancement in strongly reactive <i>ex situ</i> MgB <sub>2</sub> bulk and tapes prepared by high energy milling. <i>Superconductor Science and Technology</i> , 2011, 24, 075011.	1.8	33
542	Numerical study of optical and EELS response of coupled metallic nanoparticles. , 2011, , .		5
543	Extremely High Purcell Factor of Plasmonic Modes in Thin Nano-Metallic Cylinders. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 060205.	0.8	3
544	Fine Particles in Medicine and Pharmacy. , 2012, , .		9
545	Nanoscale studies of plasmonic hot spots using super-resolution optical imaging. <i>MRS Bulletin</i> , 2012, 37, 745-751.	1.7	16
546	Monitoring the reactivity of Ag nanoparticles in oxygen atmosphere by using <i>in situ</i> and real-time optical spectroscopy. <i>Journal of Nanophotonics</i> , 2012, 6, 061502.	0.4	4

#	ARTICLE	IF	CITATIONS
547	Plasmonic resonances in diffractive arrays of gold nanoantennas: near and far field effects. <i>Optics Express</i> , 2012, 20, 27941.	1.7	89
548	Palladium bridged gold nanocylinder dimer: plasmonic properties and hydrogen sensitivity. <i>Applied Optics</i> , 2012, 51, 1688.	0.9	18
549	Nanostructured Metal-Enhanced Photoluminescence of Micro-Sr <sub>2</sub> Si <sub>5</sub> N <sub>8</sub> :Eu <sup>2+</sup> Phosphors. <i>Chinese Physics Letters</i> , 2012, 29, 017801.	1.3	1
550	Theoretical limit of localized surface plasmon resonance sensitivity to local refractive index change and its comparison to conventional surface plasmon resonance sensor. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2012, 29, 994.	0.8	87
551	Doubly resonant surface-enhanced Raman scattering on gold nanorod decorated inverse opal photonic crystals. <i>Optics Express</i> , 2012, 20, 29266.	1.7	32
552	Enhancement of Raman scattering by field superposition of rough submicrometer silver particles. <i>Applied Physics Letters</i> , 2012, 100, 173103.	1.5	9
553	A pancake-shaped nano-aggregate for focusing surface plasmons. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	4
554	Quantitative evaluation of blinking in surface enhanced resonance Raman scattering and fluorescence by electromagnetic mechanism. <i>Journal of Chemical Physics</i> , 2012, 136, 024703.	1.2	72
555	Plasmonic hot spots: nanogap enhancement vs focusing effects from surrounding nanoparticles. <i>Optics Express</i> , 2012, 20, 14656.	1.7	33
556	Are scaling laws of sub-optical wavelength electric field confinement in arrays of metal nanoparticles related to plasmonics or to geometry?. <i>Optics Express</i> , 2012, 20, 17591.	1.7	10
557	Simulated Optical Properties of Gold Nanocubes and Nanobars by Discrete Dipole Approximation. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-9.	1.5	17
558	PLASMONIC PROPERTIES OF DIELECTRIC-CORE PLASMONIC-SHELL NANOCYLINDERS IN PASCAL TRIANGLE. <i>International Journal of Nanoscience</i> , 2012, 11, 1250017.	0.4	2
559	2D Gold Nanoparticle Structures Engineered Through DNA Tiles for Delivery and Therapy. <i>Nano Biomedicine and Engineering</i> , 2012, 4, .	0.3	4
560	IMPROVED VARIABLE STAR SEARCH IN LARGE PHOTOMETRIC DATA SETS: NEW VARIABLES IN CoRoT FIELD LRA02 DETECTED BY BEST II. <i>Astronomical Journal</i> , 2012, 143, 140.	1.9	19
561	Selective transfer of nanostructured assemblies onto an arbitrary substrate by nanoimprinting. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
563	Fabrication of Nanoengineered Metallic Structures and Their Application to Nonlinear Photochemical Reactions. <i>Bulletin of the Chemical Society of Japan</i> , 2012, 85, 843-853.	2.0	7
564	Effects of Ag <sup>+</sup> and Cu <sup>2+</sup> Ions on the Shape of Triangular Gold Nanoparticles. <i>Chemistry Letters</i> , 2012, 41, 1166-1167.	0.7	2
565	Bifunctional Au-nanorod@Fe <sub>3</sub> O <sub>4</sub> nanocomposites: synthesis, characterization, and their use as bioprobes. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	12



#	ARTICLE	IF	CITATIONS
566	Biomolecular Recognition: Nanotransduction and Nanointervention. ACS Symposium Series, 2012, , 119-146.	0.5	2
567	Simple Composite Dipole Model for the Optical Modes of Strongly-Coupled Plasmonic Nanoparticle Aggregates. Journal of Physical Chemistry C, 2012, 116, 25044-25051.	1.5	35
568	Molecularly-mediated assemblies of plasmonic nanoparticles for Surface-Enhanced Raman Spectroscopy applications. Chemical Society Reviews, 2012, 41, 7085.	18.7	380
569	Probing local electromagnetic field enhancements on the surface of plasmonic nanoparticles. Progress in Surface Science, 2012, 87, 209-220.	3.8	14
570	Plasmon-Modulated Photoluminescence of Individual Gold Nanostructures. ACS Nano, 2012, 6, 10147-10155.	7.3	157
571	Improved localized surface plasmon resonance biosensing sensitivity based on chemically-synthesized gold nanoprisms as plasmonic transducers. Journal of Materials Chemistry, 2012, 22, 923-931.	6.7	63
572	Near-field manipulation of spectroscopic selection rules on the nanoscale. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8016-8019.	3.3	92
573	Fast Fabrication of a Ag Nanostructure Substrate Using the Femtosecond Laser for Broad-Band and Tunable Plasmonic Enhancement. ACS Nano, 2012, 6, 5190-5197.	7.3	67
574	Electrolysis synthetic silver nanoparticles enhanced light emission from CdSe quantum dots. Thin Solid Films, 2012, 526, 127-132.	0.8	13
575	Calculation of the near fields for the scattering of electromagnetic waves by multiple infinite cylinders at perpendicular incidence. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 2113-2123.	1.1	98
576	Optimization and characterization of Au cuboid nanostructures as a SERS device for sensing applications. Microelectronic Engineering, 2012, 97, 189-192.	1.1	19
577	Advanced optical effective medium modeling for a single layer of polydisperse ellipsoidal nanoparticles embedded in a homogeneous dielectric medium: Surface plasmon resonances. Physical Review B, 2012, 86, .	1.1	51
578	Surface-enhanced Raman scattering on gold nanorod pairs with interconnection bars of different widths. Sensors and Actuators B: Chemical, 2012, 171-172, 734-738.	4.0	17
579	On the optical properties of copper nanocubes as a function of the edge length as modeled by the discrete dipole approximation. Chemical Physics Letters, 2012, 544, 64-69.	1.2	21
580	Nanoscale interference patterns of gap-mode multipolar plasmonic fields. Scientific Reports, 2012, 2, 764.	1.6	40
581	Silver-“gold nanotubes containing hot spots on their surface: facile synthesis and surface-enhanced Raman scattering investigations. RSC Advances, 2012, 2, 9801.	1.7	21
582	Gravure printed surface enhanced Raman spectroscopy (SERS) substrates for detection of toxic heavy metal compounds. , 2012, , .		0
583	Solid state photochromism of pyrano[3,2-c]chromen-5-one moiety with the assistance of localized surface plasmons. CrystEngComm, 2012, 14, 4049.	1.3	8



#	ARTICLE	IF	CITATIONS
584	Size-Dependent Validity Bounds on the Universal Plasmon Ruler for Metal Nanostructure Dimers. <i>Journal of Physical Chemistry C</i> , 2012, 116, 18944-18951.	1.5	15
585	Assessing the Location of Surface Plasmons Over Nanotriangle and Nanohole Arrays of Different Size and Periodicity. <i>Journal of Physical Chemistry C</i> , 2012, 116, 6884-6892.	1.5	51
586	Rational Design of Plasmonic Nanostructures for Biomolecular Detection: Interplay between Theory and Experiments. <i>ACS Nano</i> , 2012, 6, 3441-3452.	7.3	47
587	Extinction vs Absorption: Which Is the Indicator of Plasmonic Field Strength for Silver Nanocubes?. <i>Journal of Physical Chemistry C</i> , 2012, 116, 23019-23026.	1.5	30
588	Designing Efficient Localized Surface Plasmon Resonance-Based Sensing Platforms: Optimization of Sensor Response by Controlling the Edge Length of Gold Nanoprisms. <i>Journal of Physical Chemistry C</i> , 2012, 116, 20990-21000.	1.5	58
589	Inner Filter Effect on Surface Enhanced Raman Spectroscopic Measurement. <i>Analytical Chemistry</i> , 2012, 84, 8437-8441.	3.2	14
590	Electron-beam lithography of gold nanostructures for surface-enhanced Raman scattering. <i>Journal of Micromechanics and Microengineering</i> , 2012, 22, 125007.	1.5	126
591	Near- and Far-Field Effects on the Plasmon Coupling in Gold Nanoparticle Arrays. <i>Journal of Physical Chemistry C</i> , 2012, 116, 24741-24747.	1.5	51
592	Modeling the Effect of Small Gaps in Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 1627-1637.	1.5	179
593	Design Consideration for Surface-Enhanced (Resonance) Raman Scattering Nanotag Cores. <i>Journal of Physical Chemistry C</i> , 2012, 116, 2677-2682.	1.5	9
594	A Long-Range Surface Plasmon Resonance/Probe/Silver Nanoparticle (LRSPR-P-NP) Nanoantenna Configuration for Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2773-2778.	2.1	25
595	Poly(lactide-co-glycolide)/silver nanoparticles: Synthesis, characterization, antimicrobial activity, cytotoxicity assessment and ROS-inducing potential. <i>Polymer</i> , 2012, 53, 2818-2828.	1.8	63
596	Localized surface plasmonic resonant based on bowtie type metallic nanostructure. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
597	Tip-Enhanced Raman Detection of Antibody Conjugated Nanoparticles on Cellular Membranes. <i>Analytical Chemistry</i> , 2012, 84, 7408-7414.	3.2	49
598	Organization of Metal Nanoparticles for Surface-Enhanced Spectroscopy: A Difference in Size Matters. <i>Journal of Physical Chemistry C</i> , 2012, 116, 21982-21991.	1.5	30
599	Dense Two-Dimensional Silver Single and Double Nanoparticle Arrays with Plasmonic Response in Wide Spectral Range. <i>Langmuir</i> , 2012, 28, 9071-9081.	1.6	5
600	Tuning and Maximizing the Single-Molecule Surface-Enhanced Raman Scattering from DNA-Tethered Nanodumbbells. <i>ACS Nano</i> , 2012, 6, 9574-9584.	7.3	134
601	Surface-enhanced Raman scattering (SERS) spectra of three kinds of azo-dye molecules on silver nanoparticles prepared by electrolysis. <i>Applied Surface Science</i> , 2012, 258, 5533-5537.	3.1	30

#	ARTICLE	IF	CITATIONS
602	Size-dependent SERS detection of R6G by silver nanoparticles immersion-plated on silicon nanoporous pillar array. <i>Applied Surface Science</i> , 2012, 258, 5881-5885.	3.1	97
603	Diagnostic applications of Raman spectroscopy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 545-558.	1.7	171
604	Synthesis of silica-coated gold nanorod as Raman tags by modulating cetyltrimethylammonium bromide concentration. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 409, 61-68.	2.3	28
605	Electrospun Nanofibrous Membranes Surface-Decorated with Silver Nanoparticles as Flexible and Active/Sensitive Substrates for Surface-Enhanced Raman Scattering. <i>Langmuir</i> , 2012, 28, 14433-14440.	1.6	119
606	Enormous Surface-Enhanced Raman Scattering from Dimers of Flower-Like Silver Mesoparticles. <i>Small</i> , 2012, 8, 3400-3405.	5.2	30
607	SERS Hot Spots. , 2012, , 215-260.		39
608	Nanomaterials in complex biological systems: insights from Raman spectroscopy. <i>Chemical Society Reviews</i> , 2012, 41, 5780.	18.7	83
609	Analysis of pulsed laser plasmon-assisted photothermal heating and bubble generation at the nanoscale. <i>Lab on A Chip</i> , 2012, 12, 3707.	3.1	53
610	Multiscale Plasmonic Nanoparticles and the Inverse Problem. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2611-2616.	2.1	8
611	Individual Plasmonic Nanostructures as Label Free Biosensors. , 2012, , 105-126.		0
612	Nanoparticle Cluster Arrays for High-Performance SERS through Directed Self-Assembly on Flat Substrates and on Optical Fibers. <i>ACS Nano</i> , 2012, 6, 2056-2070.	7.3	241
613	Photochemical Metallization at the Nanoscale. , 2012, , 155-176.		0
614	The coupling of localized surface plasmon resonance-based photoelectrochemistry and nanoparticle size effect: towards novel plasmonic photoelectrochemical biosensing. <i>Chemical Communications</i> , 2012, 48, 895-897.	2.2	75
615	Probing Dynamically Tunable Localized Surface Plasmon Resonances of Film-Coupled Nanoparticles by Evanescent Wave Excitation. <i>Nano Letters</i> , 2012, 12, 1757-1764.	4.5	164
616	Generation of Ultralarge Surface Enhanced Raman Spectroscopy (SERS)-Active Hot-Spot Volumes by an Array of 2D Nano-Superlenses. <i>Analytical Chemistry</i> , 2012, 84, 908-916.	3.2	3
617	Quantum Plasmonics: Nonlinear Effects in the Field Enhancement of a Plasmonic Nanoparticle Dimer. <i>Nano Letters</i> , 2012, 12, 1333-1339.	4.5	424
618	Gold Nanoparticles Aggregation: Drastic Effect of Cooperative Functionalities in a Single Molecular Conjugate. <i>Journal of Physical Chemistry C</i> , 2012, 116, 2683-2690.	1.5	134
620	Scattering enhancement in colloidal metal-organic composite aggregates. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 413, 13-16.	2.3	3

#	ARTICLE	IF	CITATIONS
621	Synthesizing tertiary silver/silica/kaolinite nanocomposite using photo-reduction method: Characterization of morphology and electromagnetic properties. Composites Part B: Engineering, 2012, 43, 3374-3383.	5.9	38
622	Nanoparticles and theory. , 2012, , .		1
623	Electromagnetic Field Enhancement and Spectrum Shaping through Plasmonically Integrated Optical Vortices. Nano Letters, 2012, 12, 219-227.	4.5	41
624	Nanosopic Properties and Application of Mix-and-Match Plasmonic Surfaces for Microscopic SERS. Journal of Physical Chemistry C, 2012, 116, 6859-6865.	1.5	31
625	Biomedical Applications of Gold Nanoparticles. , 2012, , 101-145.		5
626	Discriminating Nanoparticle Dimers from Higher Order Aggregates through Wavelength-Dependent SERS Orientational Imaging. ACS Nano, 2012, 6, 1806-1813.	7.3	29
627	Super-Resolution Imaging Reveals a Difference between SERS and Luminescence Centroids. ACS Nano, 2012, 6, 1839-1848.	7.3	75
628	Dark Modes and Fano Resonances in Plasmonic Clusters Excited by Cylindrical Vector Beams. ACS Nano, 2012, 6, 8415-8423.	7.3	104
629	Detection of heavy metal compounds using a novel inkjet printed surface enhanced Raman spectroscopy (SERS) substrate. Sensors and Actuators B: Chemical, 2012, 171-172, 705-711.	4.0	74
630	Active Control of Silver Nanoparticles Spacing Using Dielectrophoresis for Surface-Enhanced Raman Scattering. Analytical Chemistry, 2012, 84, 4029-4035.	3.2	61
631	Spectrally-Resolved Polarization Anisotropy of Single Plasmonic Nanoparticles Excited by Total Internal Reflection. Journal of Physical Chemistry C, 2012, 116, 16198-16206.	1.5	12
632	Tuning the interparticle distance in nanoparticle assemblies in suspension via DNA-triplex formation: correlation between plasmonic and surface-enhanced Raman scattering responses. Chemical Science, 2012, 3, 2262.	3.7	52
633	Synthesis of Silver Nanoparticles with Monovalently Functionalized Self-Assembled Monolayers. Australian Journal of Chemistry, 2012, 65, 275.	0.5	13
634	Free-standing one-dimensional plasmonic nanostructures. Nanoscale, 2012, 4, 66-75.	2.8	46
635	Bottom-up optimization of SERS hot-spots. Chemical Communications, 2012, 48, 9346.	2.2	17
636	Enhancement of QDs photoluminescence by localized surface plasmon effect of Au-NPs. , 2012, , .		3
638	Surface-Enhanced Raman Spectroscopy of Dye and Thiol Molecules Adsorbed on Triangular Silver Nanostructures: A Study of Near-Field Enhancement, Localization of Hot-Spots, and Passivation of Adsorbed Carbonaceous Species. Journal of Nanotechnology, 2012, 2012, 1-15.	1.5	15
639	Surface-Enhanced Raman Scattering as an Emerging Characterization and Detection Technique. Journal of Nanotechnology, 2012, 2012, 1-15.	1.5	20

#	ARTICLE	IF	CITATIONS
640	COUPLING EFFECT FOR DIELECTRIC METAMATERIAL DIMER. Progress in Electromagnetics Research, 2012, 132, 587-601.	1.6	14
641	SURFACE PLASMON PROPERTIES OF HOLLOW AuAg ALLOYED TRIANGULAR NANOBBOXES AND ITS APPLICATIONS IN SERS IMAGING AND POTENTIAL DRUG DELIVERY. Progress in Electromagnetics Research, 2012, 128, 35-53.	1.6	23
642	Nanoplasmonics for Dual-Molecule Release through Nanopores in the Membrane of Red Blood Cells. ACS Nano, 2012, 6, 4169-4180.	7.3	136
643	Plasmonic Coupling in Gold Nanoring Dimers: Observation of Coupled Bonding Mode. Nano Letters, 2012, 12, 1648-1654.	4.5	161
644	Excitation Polarization Sensitivity of Plasmon-Mediated Silver Nanotriangle Growth on a Surface. Langmuir, 2012, 28, 8920-8925.	1.6	18
645	Design of Plasmonic Platforms for Selective Molecular Sensing Based on Surface-Enhanced Raman Spectroscopy. Journal of Physical Chemistry C, 2012, 116, 9824-9829.	1.5	22
646	Surface-Enhanced Raman Scattering of Ag@Au Nanodisk Heterodimers. Journal of Physical Chemistry C, 2012, 116, 10390-10395.	1.5	31
647	Surface-Enhanced Raman Scattering of a Single Nanodumbbell: Dibenzylthio-Linked Silver Nanospheres. Journal of Physical Chemistry C, 2012, 116, 10415-10423.	1.5	40
648	Fabrication of non-planar silver nano-arc-gap arrays. Nanoscale, 2012, 4, 2255.	2.8	9
649	Concentric Necklace Nanolenses for Optical Near-Field Focusing and Enhancement. ACS Nano, 2012, 6, 4341-4348.	7.3	24
650	Genetically Engineered Plasmonic Nanoarrays. Nano Letters, 2012, 12, 2037-2044.	4.5	102
651	Note: Tip enhanced Raman spectroscopy with objective scanner on opaque samples. Review of Scientific Instruments, 2012, 83, 066102.	0.6	16
652	Probing of Ehrlich ascites carcinoma cell using in situ aggregates of Au-NPs as SERS label created by plasmon exciting hybrid-TEM <sup>11</sup> laser mode. Laser Physics, 2012, 22, 461-468.	0.6	3
653	Nanoprobes for intracellular and single cell surface-enhanced Raman spectroscopy (SERS). Journal of Raman Spectroscopy, 2012, 43, 817-827.	1.2	64
654	Plasmon-enhanced Raman scattering of coaxial hybrid nanowires made with light-emitting polymer and gold. Journal of Raman Spectroscopy, 2012, 43, 965-970.	1.2	6
655	Effect of shape and interstice on surface enhanced Raman scattering (SERS) of molecules adsorbed on gold nanoparticles in the near-dipole and quadrupole regions. Journal of Raman Spectroscopy, 2012, 43, 1924-1930.	1.2	10
657	Confocal Surface-Enhanced Raman Microscopy at the Surface of Noble Metals. , 2012, , 167-190.		1
658	Plasmon dispersion in self-organized Au nanoparticle arrays. Physical Review B, 2012, 85, .	1.1	6

#	ARTICLE	IF	CITATIONS
659	Surface plasmon polaritons: physics and applications. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 113001.	1.3	352
660	Transformation optics description of touching metal nanospheres. <i>Physical Review B</i> , 2012, 85, .	1.1	11
661	Near field enhancement in silver nanoantenna-superlens systems. <i>Applied Physics Letters</i> , 2012, 101, 021109.	1.5	11
662	Assemblies of silicate sol-gel matrix encapsulated core/shell Au/Ag nanoparticles: interparticles surface plasmon coupling. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	15
663	Synthesis of a $\beta$ -cyclodextrin-modified Ag film by the galvanic displacement on copper foil for SERS detection of PCBs. <i>Journal of Colloid and Interface Science</i> , 2012, 365, 122-126.	5.0	47
664	Comparing the interparticle coupling effect on sensitivities of silver and gold nanoparticles. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2012, 113, 578-581.	1.1	10
665	Synthesis of silver nanodiscs and triangular nanoplates in PVP matrix: Photophysical study and simulation of UV-vis extinction spectra using DDA method. <i>Journal of Molecular Liquids</i> , 2012, 165, 21-26.	2.3	23
666	Enhanced quantum dot emission for luminescent solar concentrators using plasmonic interaction. <i>Solar Energy Materials and Solar Cells</i> , 2012, 98, 385-390.	3.0	97
667	Metal enhanced photoluminescence of near-infrared CdTeSe quantum dots. <i>Solid State Communications</i> , 2012, 152, 1103-1107.	0.9	8
668	Effects of thermal annealing on the semi-insulating properties of radio frequency magnetron sputtering-produced germanate thin films. <i>Thin Solid Films</i> , 2012, 520, 2695-2700.	0.8	6
669	Comparative study on the far-field spectra and near-field amplitudes for silver and gold nanocubes irradiated at 514, 633 and 785 nm as a function of the edge length. <i>European Physical Journal D</i> , 2012, 66, 1.	0.6	19
670	Optical Antenna for Photofunctional Molecular Systems. <i>Chemistry - A European Journal</i> , 2012, 18, 1564-1570.	1.7	6
671	Exploring How to Increase the Brightness of Surface-Enhanced Raman Spectroscopy Nanolabels: The Effect of the Raman-Active Molecules and of the Label Size. <i>Advanced Functional Materials</i> , 2012, 22, 353-360.	7.8	67
672	Arrays of Cone-Shaped ZnO Nanorods Decorated with Ag Nanoparticles as 3D Surface-Enhanced Raman Scattering Substrates for Rapid Detection of Trace Polychlorinated Biphenyls. <i>Advanced Functional Materials</i> , 2012, 22, 218-224.	7.8	312
673	Controlling the Nucleation and Growth of Silver on Palladium Nanocubes by Manipulating the Reaction Kinetics. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2354-2358.	7.2	209
674	A new, simple, green, and one-pot four-component synthesis of bare and poly( $\alpha$ , $\beta$ , $\gamma$ -l-glutamic acid)-capped silver nanoparticles. <i>Colloid and Polymer Science</i> , 2012, 290, 221-231.	1.0	38
675	Optical Properties of Metal Nanoclusters from an Atomistic Point of View. <i>Nanostructure Science and Technology</i> , 2013, , 105-157.	0.1	1
676	Bias voltage-dependent STM-tip-enhanced Raman spectroscopy of benzenethiol-modified gold nanoplates. <i>Chemical Physics Letters</i> , 2013, 582, 110-114.	1.2	16

#	ARTICLE	IF	CITATIONS
677	Optical Properties of Metal Nanorods. <i>Nanoscience and Technology</i> , 2013, , 87-131.	1.5	0
678	Physical Properties of Nanorods. <i>Nanoscience and Technology</i> , 2013, , .	1.5	17
679	DNA assembly and enzymatic cutting in solutions: a gold nanoparticle based SERS detection strategy. <i>Analyst</i> , The, 2013, 138, 4941.	1.7	18
680	Controlled Synthesis of Homogeneous Ag Nanosheet-Assembled Film for Effective SERS Substrate. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 7308-7314.	4.0	67
681	Tunable SERS using gold nanoaggregates on an elastomeric substrate. <i>Nanoscale</i> , 2013, 5, 8945.	2.8	30
682	<i>In situ</i> formation of silver nanoparticles in poly(methacrylic acid) hydrogel for antibacterial applications. <i>Polymer Engineering and Science</i> , 2013, 53, 1751-1759.	1.5	27
683	Tunable and Broadband Plasmonic Absorption via Dispersible Nanoantennas with Sub-10 nm Gaps. <i>Small</i> , 2013, 9, 2250-2254.	5.2	10
684	Plasmonic three-dimensional dimpled array from highly ordered self-assembled liquid crystal defects. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1434.	2.7	8
685	Plasmonic enhancement of photodynamic cancer therapy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 269, 34-41.	2.0	31
686	Plasmonic coupling from silver nanoparticle dimer array mediating surface plasmon resonant enhancement on the thin silver film. <i>Applied Physics B: Lasers and Optics</i> , 2013, 113, 503-509.	1.1	8
687	Optical activity in single-molecule surface-enhanced Raman scattering: Role of symmetry. <i>MRS Bulletin</i> , 2013, 38, 642-647.	1.7	20
688	A new route for the formation of Au nanowires and application of shape-selective Au nanoparticles in SERS studies. <i>Journal of Materials Chemistry C</i> , 2013, 1, 831-842.	2.7	111
689	Near-Infrared SERS Nanoprobes with Plasmonic Au/Ag Hollow-Shell Assemblies for In Vivo Multiplex Detection. <i>Advanced Functional Materials</i> , 2013, 23, 3719-3727.	7.8	121
690	Immune recognition construct plasmonic dimer for SERS-based bioassay. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 1253-1258.	1.2	5
691	Surface-enhanced resonance Raman scattering (SERRS) as a tool for the studies of electron transfer proteins attached to biomimetic surfaces: Case of cytochrome c. <i>Electrochimica Acta</i> , 2013, 111, 952-995.	2.6	17
692	Near-Field Optical Microscopy of Plasmonic Nanostructures. , 2013, , 527-562.		0
693	Combined three-dimensional electromagnetic and device modeling of surface plasmon-enhanced organic solar cells incorporating low aspect ratio silver nanoprisms. <i>Applied Physics Letters</i> , 2013, 103, 183303.	1.5	12
694	Triangular metal nanoprisms of Ag, Au, and Cu: Modeling the influence of size, composition, and excitation wavelength on the optical properties. <i>Chemical Physics</i> , 2013, 423, 142-150.	0.9	53

#	ARTICLE	IF	CITATIONS
695	Nondegenerate nonlinear optical susceptibility of dielectric composite materials containing metal nanoparticles. <i>Laser Physics</i> , 2013, 23, 115401.	0.6	2
696	Interplay between out-of-plane magnetic plasmon and lattice resonance for modified resonance lineshape and near-field enhancement in double nanoparticles array. <i>Chinese Physics B</i> , 2013, 22, 127802.	0.7	2
697	Quantification of Resonance Raman Enhancement Factors for Rhodamine 6G (R6G) in Water and on Gold and Silver Nanoparticles: Implications for Single-Molecule R6G SERS. <i>Journal of Physical Chemistry C</i> , 2013, 117, 27096-27104.	1.5	59
698	Flexible transparent conductive materials based on silver nanowire networks: a review. <i>Nanotechnology</i> , 2013, 24, 452001.	1.3	613
699	The self-assembling of DNA-templated Au nanoparticles into nanowires and their enhanced SERS and catalytic applications. <i>RSC Advances</i> , 2013, 3, 16486.	1.7	66
700	Bifunctional nanoparticles for SERS monitoring and magnetic intervention of assembly and enzyme cutting of DNAs. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4320.	2.9	27
701	Surface-enhanced Raman scattering enhancement factor distribution for nanoparticles of arbitrary shapes using surface integral equation method. <i>Journal of Applied Physics</i> , 2013, 113, 044304.	1.1	7
702	Preparation of gold nanoparticle dimers via streptavidin-induced interlinking. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	2
703	Metal enhanced fluorescent biosensing assays for DNA through the coupling of silver nanoparticles. <i>Analytical Methods</i> , 2013, 5, 629-635.	1.3	13
704	Superlocalization Surface-Enhanced Raman Scattering Microscopy: Comparing Point Spread Function Models in the Ensemble and Single-Molecule Limits. <i>ACS Nano</i> , 2013, 7, 8284-8294.	7.3	18
705	In situ formation of curcumin stabilized shape-selective Ag nanostructures in aqueous solution and their pronounced SERS activity. <i>RSC Advances</i> , 2013, 3, 25278.	1.7	71
706	H <sub>2</sub> O <sub>2</sub> -triggered shape transformation of silver nanospheres to nanoprisms with controllable longitudinal LSPR wavelengths. <i>RSC Advances</i> , 2013, 3, 12886.	1.7	78
707	Silver nanoprism enhanced fluorescence in YVO <sub>4</sub> :Eu <sup>3+</sup> nanoparticles. <i>Chemical Communications</i> , 2013, 49, 9485.	2.2	25
708	Monitoring Phosphorylation and Dephosphorylation Reactions by Surface-Enhanced Raman Scattering (SERS) in Model Compounds. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2013, 188, 1555-1563.	0.8	0
709	Volume shrinkage induced formation of porous Ag sub-microcubes via solid-liquid reaction for SERS. <i>CrystEngComm</i> , 2013, 15, 2588.	1.3	16
710	Direct observation of charge separation on Au localized surface plasmons. <i>Energy and Environmental Science</i> , 2013, 6, 3584.	15.6	70
711	Direct imaging of localized fields in a gold nanostructure using a scattering-type near-field microscope. , 2013, , .		0
712	Plasmonic nanoparticle networks formed using iron porphyrin molecular bridges. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11840.	1.3	7



#	ARTICLE	IF	CITATIONS
713	Multilayered nano-prism vertex tips for tip-enhanced Raman spectroscopy and imaging. <i>Analyst, The</i> , 2013, 138, 5588.	1.7	16
714	Direct imaging of the near field and dynamics of surface plasmon resonance on gold nanostructures using photoemission electron microscopy. <i>Light: Science and Applications</i> , 2013, 2, e118-e118.	7.7	130
715	Silica-coated dimers of silver nanospheres as surface-enhanced Raman scattering tags for imaging cancer cells. <i>Interface Focus</i> , 2013, 3, 20120092.	1.5	36
716	Near field scattering by multiple infinite cylinders in an absorbing medium at oblique incidence. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 114, 65-72.	1.1	2
717	Self-Assembled Hyperbranched Polymer-Gold Nanoparticle Hybrids: Understanding the Effect of Polymer Coverage on Assembly Size and SERS Performance. <i>Langmuir</i> , 2013, 29, 525-533.	1.6	53
718	Surface-enhanced Raman scattering imaging using noble metal nanoparticles. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2013, 5, 180-189.	3.3	30
719	Improving the efficiency and reducing efficiency roll-off in quantum dot light emitting devices by utilizing plasmonic Au nanoparticles. <i>Journal of Materials Chemistry C</i> , 2013, 1, 470-476.	2.7	33
720	Plasmonic Devices for Fast Optoelectronics and Enhanced Raman Sensors. <i>Nanostructure Science and Technology</i> , 2013, , 1-40.	0.1	1
721	A microscopic study of strongly plasmonic Au and Ag island thin films. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	64
722	Self-assembled nanoparticle arrays for multiphase trace analyte detection. <i>Nature Materials</i> , 2013, 12, 165-171.	13.3	343
723	Surface-enhanced Raman scattering (SERS) spectra of hemoglobin of mouse and rabbit with self-assembled nano-silver film. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 108, 177-180.	2.0	20
724	Efficient modal-expansion discrete-dipole approximation: Application to the simulation of optical extinction and electron energy-loss spectroscopies. <i>Physical Review B</i> , 2013, 88, .	1.1	10
725	Raman scattering from 1,3-propanedithiol at a hot spot: Theory meets experiment. <i>Chemical Physics Letters</i> , 2013, 581, 57-63.	1.2	16
726	Immobilized Nanorod Assemblies: Fabrication and Understanding of Large Area Surface-Enhanced Raman Spectroscopy Substrates. <i>Analytical Chemistry</i> , 2013, 85, 2297-2303.	3.2	138
727	Self-Assembled Plasmonic Nanoring Cavity Arrays for SERS and LSPR Biosensing. <i>Advanced Materials</i> , 2013, 25, 2678-2685.	11.1	222
728	Self-assembly of noble metallic spherical aggregates from monodisperse nanoparticles: their synthesis and pronounced SERS and catalytic properties. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3362.	5.2	47
729	The chemical origin of enhanced signals from tip-enhanced Raman detection of functionalized nanoparticles. <i>Analyst, The</i> , 2013, 138, 3150.	1.7	32
730	Substrate Effect on the Plasmonic Sensing Ability of Hollow Nanoparticles of Different Shapes. <i>Journal of Physical Chemistry B</i> , 2013, 117, 4468-4477.	1.2	27

#	ARTICLE	IF	CITATIONS
731	Emission pattern of surface-enhanced Raman scattering from single nanoparticle-film junction. Applied Physics Letters, 2013, 102, .	1.5	33
732	Geometrically Tunable Optical Properties of Metal Nanoparticles. , 2013, , 1-74.		3
733	Modeling and Optical Characterization of the Localized Surface Plasmon Resonances of Tailored Metal Nanoparticles. , 2013, , 231-285.		3
734	Single-molecule surface-enhanced Raman spectroscopy: a perspective on the current status. Physical Chemistry Chemical Physics, 2013, 15, 5276.	1.3	99
735	The Structure, Energy, Confinement, and Enhancement of Hot Spots between Two Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 7744-7750.	1.5	9
736	Design of label-free, homogeneous biosensing platform based on plasmonic coupling and surface-enhanced Raman scattering using unmodified gold nanoparticles. Biosensors and Bioelectronics, 2013, 43, 308-314.	5.3	26
737	Gap Size Reduction and Increased SERS Enhancement in Lithographically Patterned Nanoparticle Arrays by Templated Growth. Advanced Optical Materials, 2013, 1, 313-318.	3.6	34
738	Nanostructured Potential of Optical Trapping Using a Plasmonic Nanoblock Pair. Nano Letters, 2013, 13, 2146-2150.	4.5	104
739	Temperature near Gold Nanoparticles under Photoexcitation: Evaluation Using a Fluorescence Correlation Technique. Journal of Physical Chemistry C, 2013, 117, 8388-8396.	1.5	19
740	Microfluidics and Raman microscopy: current applications and future challenges. Chemical Society Reviews, 2013, 42, 5880.	18.7	177
741	Chiroptical Activity in Silver Chololate Nanostructures Induced by the Formation of Nanoparticle Assemblies. Journal of Physical Chemistry C, 2013, 117, 22240-22244.	1.5	47
742	Size Dependence of the Plasmonic Near-Field Measured via Single-Nanoparticle Photoimaging. Journal of Physical Chemistry C, 2013, 117, 10669-10676.	1.5	68
743	Utilizing Surface Enhanced Raman Spectroscopy for the Study of Interfacial Phenomena: Probing Interactions on an Alumina Surface. ACS Symposium Series, 2013, , 101-114.	0.5	0
744	Modern surface plasmon resonance for bioanalytics and biophysics. Physical Chemistry Chemical Physics, 2013, 15, 11190.	1.3	153
745	Support-Free Bimodal Distribution of Plasmonically Active Ag/AgO <sub>x</sub> Nanoparticle Catalysts: Attributes and Plasmon Enhanced Surface Chemistry. Journal of Physical Chemistry C, 2013, 117, 11124-11132.	1.5	21
746	Optical properties of single coupled plasmonic nanoparticles. Physical Chemistry Chemical Physics, 2013, 15, 4100.	1.3	31
747	Surface plasmon-enhanced photochemical reactions. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2013, 15, 31-52.	5.6	189
748	Optimizing Electromagnetic Hotspots in Plasmonic Bowtie Nanoantennae. Journal of Physical Chemistry Letters, 2013, 4, 496-501.	2.1	138

#	ARTICLE	IF	CITATIONS
749	Plasma nanoscience: from nano-solids in plasmas to nano-plasmas in solids. <i>Advances in Physics</i> , 2013, 62, 113-224.	35.9	486
751	The Effect of Planar Defects on the Optical Properties of Silver Nanostructures. <i>Journal of Physical Chemistry C</i> , 2013, 117, 13738-13746.	1.5	6
752	Visualizing the Optical Field Structures in Metal Nanostructures. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2230-2241.	2.1	45
753	Terpene Detection Based on Localized Surface Plasma Resonance of Thiolate-Modified Au Nanoparticles. <i>IEEE Sensors Journal</i> , 2013, 13, 1307-1314.	2.4	25
754	Engineering Plasmon-Enhanced Au Light Emission with Planar Arrays of Nanoparticles. <i>Nano Letters</i> , 2013, 13, 786-792.	4.5	35
755	DNA-directed self-assembly and optical properties of discrete 1D, 2D and 3D plasmonic structures. <i>Nano Today</i> , 2013, 8, 138-167.	6.2	113
756	Creating, characterizing, and controlling chemistry with SERS hot spots. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 21-36.	1.3	621
757	Using the Langmuir-Schaefer technique to fabricate large-area dense SERS-active Au nanoprism monolayer films. <i>Nanoscale</i> , 2013, 5, 6404.	2.8	69
758	Plasmonic Waveguide Modes of Film-Coupled Metallic Nanocubes. <i>Nano Letters</i> , 2013, 13, 5866-5872.	4.5	238
759	In Situ SERS Monitoring of Photochemistry within a Nanojunction Reactor. <i>Nano Letters</i> , 2013, 13, 5985-5990.	4.5	85
760	Single-Molecule and Single-Particle-Based Correlation Studies between Localized Surface Plasmons of Dimeric Nanostructures with a 141 nm Gap and Surface-Enhanced Raman Scattering. <i>Nano Letters</i> , 2013, 13, 6113-6121.	4.5	76
761	Using the Localized Surface Plasmon Resonance of Gold Nanoparticles To Monitor Lipid Membrane Assembly and Protein Binding. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26725-26733.	1.5	45
762	DNA-Directed Self-Assembly of Core-Satellite Plasmonic Nanostructures: A Highly Sensitive and Reproducible Near-IR SERS Sensor. <i>Advanced Functional Materials</i> , 2013, 23, 1519-1526.	7.8	150
763	Silver Nanoprisms Acting as Multipolar Nanoantennas under a Low-Intensity Infrared Optical Field Exciting Fluorescence from Eu <sup>3+</sup> . <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3834-3838.	2.1	12
764	Fabrication of Large-area 3-D Ordered Silver-coated Colloidal Crystals and Macroporous Silver Films Using Polystyrene Templates. <i>Nano-Micro Letters</i> , 2013, 5, 182-190.	14.4	11
765	Spherical Gold-Nanoparticle Assemblies with Tunable Interparticle Distances Mediated by Multifunctional RAFT Polymers. <i>ACS Macro Letters</i> , 2013, 2, 1073-1076.	2.3	35
766	Oligonucleotide Functionalization of Hollow Triangular Gold Silver Alloy Nanoboxes. <i>Journal of Physical Chemistry C</i> , 2013, 117, 669-676.	1.5	6
767	SERS performance of gold nanotubes obtained by sputtering onto polycarbonate track-etched membranes. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 1169-1176.	1.3	23

#	ARTICLE	IF	CITATIONS
768	Lithography-free approach to highly efficient, scalable SERS substrates based on disordered clusters of disc-on-pillar structures. <i>Nanotechnology</i> , 2013, 24, 505302.	1.3	22
769	The Origin of Surface-Enhanced Raman Scattering of 4,4'-Biphenyldicarboxylate on Silver Substrates. <i>Journal of Physical Chemistry C</i> , 2013, 117, 7260-7268.	1.5	8
770	Plasmon-enhanced photocurrent generation and water oxidation from visible to near-infrared wavelengths. <i>NPG Asia Materials</i> , 2013, 5, e61-e61.	3.8	71
771	Surface-Enhanced Raman Scattering: An Emerging Label-Free Detection and Identification Technique for Proteins. <i>Applied Spectroscopy</i> , 2013, 67, 355-364.	1.2	34
772	Symmetry Breaking in Perforated Bowtie Nanoantennas. , 2013, , .		0
773	Quantum effects and nonlocality in strongly coupled plasmonic nanowire dimers. <i>Optics Express</i> , 2013, 21, 27306.	1.7	149
774	Reverse design of a bull's eye structure based on the plasmonic far-field pattern. <i>Optics Express</i> , 2013, 21, 21273.	1.7	7
775	Comparison of electric field enhancements: Linear and triangular oligomers versus hexagonal arrays of plasmonic nanospheres. <i>Optics Express</i> , 2013, 21, 7957.	1.7	25
776	Engineering the plasmonic optical properties of cubic silver nanostructures based on Fano resonance. <i>Journal of Chemical Physics</i> , 2013, 139, 164713.	1.2	2
777	Fabrication of Needle-Shaped Specimens Containing Subsurface Nanostructures for Electron Tomography. <i>Lecture Notes in Nanoscale Science and Technology</i> , 2013, , 241-266.	0.4	0
778	Theory of resonance shifts of whispering gallery modes by arbitrary plasmonic nanoparticles. <i>New Journal of Physics</i> , 2013, 15, 083006.	1.2	49
779	Numerical analysis of surface plasmon resonance effects on a rotational silver nanorod/nanoshell dimer. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
780	Boundary conditions for metric fluctuations in Lifshitz. <i>Classical and Quantum Gravity</i> , 2013, 30, 195017.	1.5	11
781	Tuning the 3D plasmon field of nanohole arrays. <i>Nanoscale</i> , 2013, 5, 12399.	2.8	81
782	Variable incidence angle subwavelength grating SPR graphene biosensor. , 2013, 2013, 3024-7.		6
783	Geometrical parameters controlled focusing and enhancing near field in infinite circular metal-dielectric multilayered cylinder. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	11
784	Plasmonic hotspots of dynamically assembled nanoparticles in nanocapillaries: Towards a micro ribonucleic acid profiling platform. <i>Biomicrofluidics</i> , 2013, 7, 061102.	1.2	14
785	Giant circular dichroism of a molecule in a region of strong plasmon resonances between two neighboring gold nanocrystals. <i>Physical Review B</i> , 2013, 87, .	1.1	140

#	ARTICLE	IF	CITATIONS
786	Dynamic plasmonic tweezers enabled single-particle-film-system gap-mode Surface-enhanced Raman scattering. Applied Physics Letters, 2013, 103, .	1.5	27
787	Electrophoretic preconcentration on plasmonic nanopillar arrays for highly intense surface-enhanced Raman scattering. , 2013, , .		1
789	The aspect ratio effect on plasmonic properties and biosensing of bonding mode in gold elliptical nanoring arrays. Optics Express, 2013, 21, 14090.	1.7	26
790	Noble Metal Nanoparticles. , 2013, , 303-388.		31
791	Three-dimensional integral equation approach to light scattering, extinction cross sections, local density of states, and quasi-normal modes. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 1996.	0.9	22
792	Nanooptical Studies on Physical and Chemical Characteristics of Noble Metal Nanostructures. Bulletin of the Chemical Society of Japan, 2013, 86, 397-413.	2.0	5
793	Spectroscopy-on-chip applications of silicon photonics. Proceedings of SPIE, 2013, , .	0.8	7
794	Surface-Enhanced Infrared Spectroscopy. , 2013, , 315-330.		0
795	Functional DNA Nanostructures for Photonic and Biomedical Applications. Small, 2013, 9, 2210-2222.	5.2	54
796	The Five Ws (and one H) of Super-Hydrophobic Surfaces in Medicine. Micromachines, 2014, 5, 239-262.	1.4	9
797	Controlled Fabrication of Self-Assembled Arrays of Silver Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2014, 24, 994-1000.	1.9	3
799	Electric field enhancement in a self-assembled 2D array of silver nanospheres. Journal of Chemical Physics, 2014, 141, 214308.	1.2	20
800	Electroless Deposition and Nanolithography Can Control the Formation of Materials at the Nano-Scale for Plasmonic Applications. Sensors, 2014, 14, 6056-6083.	2.1	44
801	Effective Optical Properties of Plasmonic Nanocomposites. Materials, 2014, 7, 727-741.	1.3	50
802	Surface Enhanced Raman Scattering Based on Dielectric-Loaded Surface Plasmon Polariton Waveguides. Advanced Materials Research, 0, 901, 25-28.	0.3	0
803	Correlation studies between localized surface plasmons and surface-enhanced Raman scattering of Gold-Silver NanoDumbbells (GSNDs) at the single-particle and single-molecule level. , 2014, , .		0
804	Modeling light-induced charge transfer dynamics across a metal-molecule-metal junction: Bridging classical electrodynamics and quantum dynamics. Journal of Chemical Physics, 2014, 141, 224104.	1.2	8
805	Field enhancement and target localization impact on the biosensitivity of nanostructured plasmonic sensors. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 1223.	0.9	14

#	ARTICLE	IF	CITATIONS
806	Conversion of AgCl nanocubes to Ag/AgCl nanohybrids via solid-liquid reaction for surface-enhanced Raman scattering detection. <i>Micro and Nano Letters</i> , 2014, 9, 297-301.	0.6	6
807	Edge-reflection phase directed plasmonic resonances on graphene nano-structures. <i>Optics Express</i> , 2014, 22, 22689.	1.7	32
808	Optical response of threaded chain plasmons: from capacitive chains to continuous nanorods. <i>Optics Express</i> , 2014, 22, 23851.	1.7	13
809	Dispersive and scattering properties of multilayer arrays made of plasmonic nanoparticles. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, 2524.	0.9	9
810	Nanogaps for SERS applications. <i>MRS Bulletin</i> , 2014, 39, 163-168.	1.7	99
811	The simplest plasmonic molecules: Metal nanoparticle dimers and trimers. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2014, 21, 26-39.	5.6	86
812	A numerical demonstration of far field photon intensity enhancement without stimulated emission. <i>Chemical Physics Letters</i> , 2014, 616-617, 243-247.	1.2	1
813	Electromagnetic heating effect of aggregated gold nanoparticle colloids. <i>Journal of Applied Physics</i> , 2014, 115, 094903.	1.1	11
814	Nanowires for Photovoltaics and Artificial Photosynthesis. <i>RSC Smart Materials</i> , 2014, , 277-311.	0.1	2
815	Far-field Fano resonance in nanoring lattices modeled from extracted, point dipole polarizability. <i>Journal of Applied Physics</i> , 2014, 115, 024306.	1.1	16
816	Sensitive surface-enhanced Raman scattering active substrate based on gap surface plasmon polaritons. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2014, 32, 012601.	0.6	1
817	Ag Nanocrystals: 1. Effect of Ligands on Plasmonic Properties. <i>Journal of Physical Chemistry B</i> , 2014, 118, 14070-14075.	1.2	39
818	TERS Detection of $\int \pm V \int^2 \int^3$ Integrins in Intact Cell Membranes. <i>ChemPhysChem</i> , 2014, 15, 3944-3949.	1.0	27
819	Microfluidic-based metal enhanced fluorescence for capillary electrophoresis by Ag nanorod arrays. <i>Nanotechnology</i> , 2014, 25, 225502.	1.3	14
820	Colorimetric detection of acetylcholine with plasmonic nanomaterials signaling. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 7591-7600.	1.9	18
821	A kinetics-controlled coating method to construct 1D attapulgite @ amorphous titanium oxide nanocomposite with high electrorheological activity. <i>Colloid and Polymer Science</i> , 2014, 292, 3327-3335.	1.0	7
822	Elucidating heterogeneity in nanoplasmonic structures using nonlinear photon localization microscopy. <i>Journal of Optics (United Kingdom)</i> , 2014, 16, 114014.	1.0	3
823	QUANTUM CHEMICAL ROVIBRATIONAL DATA FOR THE INTERSTELLAR DETECTION OF $\text{C}_3\text{H}^+$ . <i>Astrophysical Journal</i> , 2014, 796, 139.	1.6	17

#	ARTICLE	IF	CITATIONS
824	NuSTAR DISCOVERY OF A YOUNG, ENERGETIC PULSAR ASSOCIATED WITH THE LUMINOUS GAMMA-RAY SOURCE HESS J1640-465. <i>Astrophysical Journal</i> , 2014, 788, 155.	1.6	43
825	Absorption spectra and near-electric field enhancement effects of Au- and Ag-Fe <sub>3</sub> O <sub>4</sub> dimers. <i>Applied Surface Science</i> , 2014, 292, 1002-1008.	3.1	18
826	Enhanced SPR Sensitivity with Nano-Micro-Ribbon Grating—an Exhaustive Simulation Mapping. <i>Plasmonics</i> , 2014, 9, 79-92.	1.8	9
827	A 1.7-nm resolution chemical analysis of carbon nanotubes by tip-enhanced Raman imaging in the ambient. <i>Nature Communications</i> , 2014, 5, 3312.	5.8	238
828	Photogeneration of hot plasmonic electrons with metal nanocrystals: Quantum description and potential applications. <i>Nano Today</i> , 2014, 9, 85-101.	6.2	270
830	Preparation of saline-stable, silica-coated triangular silver nanoplates of use for optical sensing. <i>Journal of Colloid and Interface Science</i> , 2014, 415, 77-84.	5.0	48
834	Spectroscopy of Scattered Light for the Characterization of Micro and Nanoscale Objects in Biology and Medicine. <i>Applied Spectroscopy</i> , 2014, 68, 133-154.	1.2	26
835	Optical and electrophysical properties of nanocomposites based on PEDOT: PSS and gold/silver nanoparticles. <i>Physics of the Solid State</i> , 2014, 56, 827-834.	0.2	11
836	Special features of synthesis of silver hydrosols in the presence of the Na <sub>2</sub> EDTA. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 446, 65-70.	2.3	7
837	In-Situ Immobilization of Silver Nanoparticles on Self-Assembled Honeycomb-Patterned Films Enables Surface-Enhanced Raman Scattering (SERS) Substrates. <i>Journal of Physical Chemistry C</i> , 2014, 118, 11478-11484.	1.5	51
838	Direct Photocatalysis by Plasmonic Nanostructures. <i>ACS Catalysis</i> , 2014, 4, 116-128.	5.5	773
839	Probing the Location of Hot Spots by Surface-Enhanced Raman Spectroscopy: Toward Uniform Substrates. <i>ACS Nano</i> , 2014, 8, 528-536.	7.3	136
840	Optical Transducers. , 2014, , 233-320.		4
841	A safe-by-design approach to the development of gold nanoboxes as carriers for internalization into cancer cells. <i>Biomaterials</i> , 2014, 35, 2543-2557.	5.7	41
842	Lithography-free broadband visible light absorber based on a mono-layer of gold nanoparticles. <i>Journal of Optics (United Kingdom)</i> , 2014, 16, 025002.	1.0	72
843	Adsorption of DNA on colloidal Ag nanoparticles: Effects of nanoparticle surface charge, base content and length of DNA. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 116, 439-445.	2.5	17
844	The Most Effective Gold Nanorod Size for Plasmonic Photothermal Therapy: Theory and <i>In Vitro</i> Experiments. <i>Journal of Physical Chemistry B</i> , 2014, 118, 1319-1326.	1.2	315
845	Influence of the interaction between two Ag nanoparticles on optical properties of Ag/PGMEA nanocomposite materials. <i>Journal of Modern Optics</i> , 2014, 61, 271-275.	0.6	1



#	ARTICLE	IF	CITATIONS
846	Highly Sensitive Plasmonic Sensor Based on Fano Resonance from Silver Nanoparticle Heterodimer Array on a Thin Silver Film. <i>Plasmonics</i> , 2014, 9, 499-505.	1.8	18
847	Highly Specific Plasmonic Biosensors for Ultrasensitive MicroRNA Detection in Plasma from Pancreatic Cancer Patients. <i>Nano Letters</i> , 2014, 14, 6955-6963.	4.5	127
848	Tunable localized surface plasmon resonances of asymmetric Au/SiO <sub>2</sub> /Au cross-shape nanobars. <i>Modern Physics Letters B</i> , 2014, 28, 1450143.	1.0	1
849	The Role of Etching in the Formation of Ag Nanoplates with Straight, Curved and Wavy Edges and Comparison of Their SERS Properties. <i>Small</i> , 2014, 10, 1430-1437.	5.2	61
850	Localized Collection of Airborne Analytes: A Transport Driven Approach to Improve the Response Time of Existing Gas Sensor Designs. <i>Advanced Functional Materials</i> , 2014, 24, 3706-3714.	7.8	22
851	Colorimetric determination of hydrogen peroxide by morphological decomposition of silver nanoprisms coupled with chromaticity analysis. <i>Analytical Methods</i> , 2014, 6, 9816-9824.	1.3	59
852	Local flux governing mechanism for the self-assembly of silver nanoparticles on ripple patterned templates. <i>Materials Research Express</i> , 2014, 1, 015038.	0.8	6
853	Facile reversible LSPR tuning through additive-induced self-aggregation and dissemination of Ag NPs: role of cyclodextrins and surfactants. <i>RSC Advances</i> , 2014, 4, 18724-18730.	1.7	5
854	Template free synthesis of dendritic silver nanostructures and their application in surface-enhanced Raman scattering. <i>RSC Advances</i> , 2014, 4, 52686-52689.	1.7	20
855	The critical role of headcap and plasmonic near-field enhancement in mushroom-shaped Au nanorod. <i>Chemical Physics Letters</i> , 2014, 616-617, 98-103.	1.2	3
856	One-step formation of responsive "dumbbell" nanoparticle dimers via quasi-two-dimensional polymer single crystals. <i>Nanoscale</i> , 2014, 6, 4551-4554.	2.8	18
857	Tuning the Localized Surface Plasmon Resonance in Cu <sub>2</sub> Se Nanocrystals by Postsynthetic Ligand Exchange. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 17770-17775.	4.0	68
858	Electrospun TiO <sub>2</sub> Nanofelt Surface-Decorated with Ag Nanoparticles as Sensitive and UV-Cleanable Substrate for Surface Enhanced Raman Scattering. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 5759-5767.	4.0	93
859	Investigating the Plasmon-Mediated Catalytic Activity of AgAu Nanoparticles as a Function of Composition: Are Two Metals Better than One?. <i>ACS Catalysis</i> , 2014, 4, 3815-3819.	5.5	74
860	Third-Harmonic Generation Enhancement by Film-Coupled Plasmonic Stripe Resonators. <i>ACS Photonics</i> , 2014, 1, 1212-1217.	3.2	112
861	Ag-nanoparticles-decorated NiO-nanoflakes grafted Ni-nanorod arrays stuck out of porous AAO as effective SERS substrates. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 3686.	1.3	39
862	Nanoparticle Surface-Enhanced Raman Scattering of Bacteriorhodopsin Stabilized by Amphipol A8-35. <i>Journal of Membrane Biology</i> , 2014, 247, 971-980.	1.0	8
863	High-purity gold nanocrystal dimers: scalable synthesis and size-dependent plasmonic and Raman enhancement. <i>Chemical Science</i> , 2014, 5, 311-323.	3.7	17

#	ARTICLE	IF	CITATIONS
864	Effect of metal nanoparticles on the photophysical behaviour of dye-silica conjugates. Photochemical and Photobiological Sciences, 2014, 13, 884-890.	1.6	9
865	Strong dependence of surface plasmon resonance and surface enhanced Raman scattering on the composition of Au-Fe nanoalloys. Nanoscale, 2014, 6, 1423-1433.	2.8	98
866	Shell Thickness-Dependent Plasmon Coupling and Creation of SERS Hot Spots in Au@Ag Core-Shell Nanostructures. Plasmonics, 2014, 9, 1323-1331.	1.8	19
867	Plasmonic cavities derived from silver nanoparticles atop a massed silver surface for surface enhancement Raman scattering. RSC Advances, 2014, 4, 44457-44461.	1.7	3
868	Large-volume hot spots in gold spiky nanoparticle dimers for high-performance surface-enhanced spectroscopy. Nanoscale, 2014, 6, 12921-12928.	2.8	42
869	Silver substrates for surface enhanced Raman scattering: Correlation between nanostructure and Raman scattering enhancement. Applied Physics Letters, 2014, 104, 243107.	1.5	103
870	Surface-Enhanced Raman Scattering of 4-Aminobenzenethiol on Au Nanorod Ordered Arrays. Journal of Physical Chemistry C, 2014, 118, 13260-13267.	1.5	36
871	Tunable Enhancement of Raman Scattering in Graphene-Nanoparticle Hybrids. Advanced Functional Materials, 2014, 24, 6348-6358.	7.8	31
872	Immobilization of Silver Nanoparticles by Peptide Nucleic Acids in Surface Plasmon Enhanced Dye-Sensitized Solar Cells. ECS Journal of Solid State Science and Technology, 2014, 3, Q1-Q10.	0.9	2
873	An aggregative growth process for controlling size, shape and composition of metal, alloy and core-shell nanoparticles toward desired bioapplications. Journal of Materials Chemistry B, 2014, 2, 6904-6916.	2.9	13
874	Precision Synthesis: Designing Hot Spots over Hot Spots via Selective Gold Deposition on Silver Octahedra Edges. Small, 2014, 10, 4940-4950.	5.2	36
875	Novel H-shaped plasmon nanoresonators for efficient dual-band SERS and optical sensing applications. Journal of Optics (United Kingdom), 2014, 16, 105013.	1.0	25
876	Giant Photogalvanic Effect in Noncentrosymmetric Plasmonic Nanoparticles. Physical Review X, 2014, 4, .	2.8	14
877	Shape-Dependent Two-Photon Photoluminescence of Single Gold Nanoparticles. Journal of Physical Chemistry C, 2014, 118, 13904-13911.	1.5	92
878	Are Hot Spots between Two Plasmonic Nanocubes of Silver or Gold Formed between Adjacent Corners or Adjacent Facets? A DDA Examination. Journal of Physical Chemistry Letters, 2014, 5, 2229-2234.	2.1	35
879	Does the excitation of a plasmon resonance induce a strong chemical enhancement in SERS? On the relation between chemical interface damping and chemical enhancement in SERS. Applied Physics B: Lasers and Optics, 2014, 117, 1-5.	1.1	11
880	Plasmon Mediated Multiphoton Photoemission Microscopy of Au Nanoholes and Nanohole Dimers. Journal of Physical Chemistry C, 2014, 118, 6959-6971.	1.5	7
881	Mapping near-field localization in plasmonic optical nanoantennas with 10-nm spatial resolution. Applied Physics Letters, 2014, 105, .	1.5	13

#	ARTICLE	IF	CITATIONS
882	Design of Functional Nanoparticles and Assemblies for Theranostic Applications. ACS Applied Materials & Interfaces, 2014, 6, 21752-21768.	4.0	35
883	Numerical investigation of a grating and graphene-based multilayer surface plasmon resonance biosensor. Journal of Modern Optics, 2014, 61, 1209-1218.	0.6	7
884	Smart dual-mode fluorescent gold nanoparticle agents. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2014, 6, 398-409.	3.3	9
885	Position Dependent Plasmonic Interaction Between a Single Nanoparticle and a Nanohole Array. Plasmonics, 2014, 9, 1229-1237.	1.8	4
886	Synthesis of Cellulose Nanofibril Bound Silver Nanoprism for Surface Enhanced Raman Scattering. Biomacromolecules, 2014, 15, 3608-3616.	2.6	46
887	Modular Plasmonic Antennas Built of Ultrathin Silica-Shell Silver-Core Nanoparticles. Langmuir, 2014, 30, 7919-7927.	1.6	22
888	Research Update: Progress in synthesis of nanoparticle dimers by self-assembly. APL Materials, 2014, 2, .	2.2	22
889	Effective light concentration in gold short nanosphere chain on platinum mirror for surface-enhanced Raman scattering. Applied Physics Letters, 2014, 105, 121114.	1.5	8
890	Extremely confined gap surface-plasmon modes excited by electrons. Nature Communications, 2014, 5, 4125.	5.8	72
891	Spectroscopy of Homo- and Heterodimers of Silver and Gold Nanocubes as a Function of Separation: A DDA Simulation. Journal of Physical Chemistry A, 2014, 118, 8338-8344.	1.1	20
892	Edge-Gold-Coated Silver Nanoprisms: Enhanced Stability and Applications in Organic Photovoltaics and Chemical Sensing. Journal of Physical Chemistry C, 2014, 118, 12459-12468.	1.5	55
893	Tuning Two-Photon Photoluminescence of Gold Nanoparticle Aggregates with DNA and Its Application as Turn-on Photoluminescence Probe for DNA Sequence Detection. ACS Applied Materials & Interfaces, 2014, 6, 13149-13156.	4.0	31
894	Gold Dimer Nanoantenna with Slanted Gap for Tunable LSPR and Improved SERS. Journal of Physical Chemistry C, 2014, 118, 3209-3219.	1.5	92
895	Aluminum and Indium Plasmonic Nanoantennas in the Ultraviolet. Journal of Physical Chemistry C, 2014, 118, 12506-12514.	1.5	84
896	Toward an Understanding of the Growth of Ag Filaments on $\pm\text{Ag}_2\text{WO}_4$ and Their Photoluminescent Properties: A Combined Experimental and Theoretical Study. Journal of Physical Chemistry C, 2014, 118, 1229-1239.	1.5	124
897	Dipole and quadrupole plasmon in confined quasi-one-dimensional electron gas systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 2995-3000.	0.9	12
898	Performance limits of plasmon-enhanced organic photovoltaics. Applied Physics Letters, 2014, 105, 033304.	1.5	18
899	Gold Nanoparticle Silica Nanopeapods. Journal of the American Chemical Society, 2014, 136, 3833-3841.	6.6	95

#	ARTICLE	IF	CITATIONS
900	Engineered fluorescence of quantum dots via plasmonic nanostructures. <i>Solar Energy Materials and Solar Cells</i> , 2014, 126, 113-119.	3.0	17
901	Ultrasensitive Photoreversible Molecular Sensors of Azobenzene-Functionalized Plasmonic Nanoantennas. <i>Nano Letters</i> , 2014, 14, 532-540.	4.5	105
902	Optical absorption and scattering spectroscopies of single nano-objects. <i>Chemical Society Reviews</i> , 2014, 43, 3921.	18.7	176
903	Optics of Conducting Materials: An Electromagnetic Potential Perspective. <i>Journal of Physical Chemistry C</i> , 2014, 118, 11869-11885.	1.5	0
904	Size controllable synthesis of ultrafine spherical gold particles and their simulation of plasmonic and SERS behaviors. <i>Physica B: Condensed Matter</i> , 2014, 438, 22-28.	1.3	14
905	Novel plasmonic field-enhanced nanoassay for trace detection of proteins. <i>Biosensors and Bioelectronics</i> , 2014, 55, 379-385.	5.3	62
906	Shrinking-Hole Colloidal Lithography: Self-Aligned Nanofabrication of Complex Plasmonic Nanoantennas. <i>Nano Letters</i> , 2014, 14, 2655-2663.	4.5	64
907	Plasmonic nanoparticles: fabrication, simulation and experiments. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 213001.	1.3	81
908	Electrically Tunable Plasmonic Behavior of Nanocube-Polymer Nanomaterials Induced by a Redox-Active Electrochromic Polymer. <i>ACS Nano</i> , 2014, 8, 6182-6192.	7.3	347
909	Competitive Reaction Pathway for Site-Selective Conjugation of Raman Dyes to Hotspots on Gold Nanorods for Greatly Enhanced SERS Performance. <i>Small</i> , 2014, 10, 4012-4019.	5.2	21
910	Using nanoscale and mesoscale anisotropy to engineer the optical response of three-dimensional plasmonic metamaterials. <i>Nature Communications</i> , 2014, 5, 4090.	5.8	90
912	Using Ambient Ion Beams to Write Nanostructured Patterns for Surface Enhanced Raman Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12528-12531.	7.2	45
913	Active Matrix-Based Collection of Airborne Analytes: An Analyte Recording Chip Providing Exposure History and Finger Print. <i>Advanced Materials</i> , 2014, 26, 7600-7607.	11.1	4
914	From nucleotides to DNA analysis by a SERS substrate of a self similar chain of silver nanospheres. <i>Journal of Optics (United Kingdom)</i> , 2015, 17, 114021.	1.0	22
915	Contact Transfer Printing of Side Edge Prefunctionalized Nanoplasmonic Arrays for Flexible microRNA Biosensor. <i>Advanced Science</i> , 2015, 2, 1500121.	5.6	17
916	Tunable double-resonance dimer structure for surface-enhanced Raman scattering substrate in near-infrared region. <i>Photonics Research</i> , 2015, 3, 313.	3.4	10
917	Hybridization of plasmonic antenna and cavity modes: Extreme optics of nanoparticle-on-mirror nanogaps. <i>Physical Review A</i> , 2015, 92, .	1.0	113
918	Fluctuating volume-current formulation of electromagnetic fluctuations in inhomogeneous media: Incandescence and luminescence in arbitrary geometries. <i>Physical Review B</i> , 2015, 92, .	1.1	73

#	ARTICLE	IF	CITATIONS
919	Optimizing plasmonic nanoantennas via coordinated multiple coupling. <i>Scientific Reports</i> , 2015, 5, 14788.	1.6	84
920	Study of surface-enhanced Raman scattering activity of DNA-directed self-assembled gold nanoparticle dimers. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	10
921	Near-field mapping of three-dimensional surface charge poles for hybridized plasmon modes. <i>AIP Advances</i> , 2015, 5, .	0.6	20
922	Internal-Modified Dithiol DNA-Directed Au Nanoassemblies: Geometrically Controlled Self-Assembly and Quantitative Surface-Enhanced Raman Scattering Properties. <i>Scientific Reports</i> , 2015, 5, 16715.	1.6	8
923	Fluctuating single $C_{20}$ carbon clusters at single hotspots of silver nanoparticle dimers investigated by surface-enhanced resonance Raman scattering. <i>AIP Advances</i> , 2015, 5, .	0.6	23
925	SERS and FDTD simulation of gold nanoparticles grafted on germanium wafer via galvanic displacement. <i>Surface and Interface Analysis</i> , 2015, 47, 398-402.	0.8	9
926	Theoretical Design and Experimental Realization of Quasi Single Electron Enhancement in Plasmonic Catalysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14427-14431.	7.2	4
927	Evaluation of Biogenic Characteristics of Iron Nanoparticles and Its Alloys in Vitro. <i>Modern Applied Science</i> , 2015, 9, .	0.4	1
928	Core-Shell Structure of Gold Nanoparticles with Inositol Hexaphosphate Nanohybrids for Label-Free and Rapid Detection by SERS Nanotechnology. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-9.	1.5	5
929	Radiation-Induced Correlation between Molecules Nearby Metallic Antenna Array. <i>International Journal of Antennas and Propagation</i> , 2015, 2015, 1-6.	0.7	2
930	Nanoparticles functionalized with supramolecular host-guest systems for nanomedicine and healthcare. <i>Nanomedicine</i> , 2015, 10, 1493-1514.	1.7	52
931	Plasmonic Nanostructures for Biomedical and Sensing Applications. , 2015, , 133-173.		3
932	Investigating Plasmonic Structure-Dependent Light Amplification and Electronic Dynamics Using Advances in Nonlinear Optical Microscopy. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15779-15800.	1.5	35
933	Selective TERS detection and imaging through controlled plasmonics. <i>Faraday Discussions</i> , 2015, 178, 221-235.	1.6	13
934	Ultrafast surface-enhanced Raman spectroscopy. <i>Analyst</i> , The, 2015, 140, 4922-4931.	1.7	44
937	Surface-enhanced Raman spectroscopy using linearly arranged gold nanoparticles embedded in nanochannels. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 06FL03.	0.8	11
938	A strong charge-transfer effect in surface-enhanced Raman scattering induced by valence electrons of actinide elements. <i>RSC Advances</i> , 2015, 5, 32198-32204.	1.7	23
939	Relativity of Electron and Energy Transfer Contributions in Nanoparticle-Induced Fluorescence Quenching. <i>Journal of Physical Chemistry C</i> , 2015, 119, 27145-27155.	1.5	19

#	ARTICLE	IF	CITATIONS
940	Modeling and analysis of optical properties of a gold nanoring based on electric and magnetic dipoles. <i>Applied Optics</i> , 2015, 54, 8313.	2.1	10
941	Size and shape dependent few-cycle near-field dynamics of bowtie nanoantennas. <i>Optics Express</i> , 2015, 23, 31460.	1.7	13
942	SERS nanoprobes for bio-application. <i>Frontiers of Chemical Science and Engineering</i> , 2015, 9, 428-441.	2.3	13
943	Facile synthesis of porous Ag microspheres via Cu <sup>2+</sup> -mediated reduction of AgCl. <i>Micro and Nano Letters</i> , 2015, 10, 689-692.	0.6	0
944	Plasmon resonances on opto-capacitive nanostructures. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
945	Enhancement of surface response with large wave vector resonances in plasmonic structures. <i>Europhysics Letters</i> , 2015, 112, 54006.	0.7	0
946	Recent advances in plasmonic nanostructures for sensing: a review. <i>Optical Engineering</i> , 2015, 54, 100902.	0.5	101
947	Synthesis and microwave absorption properties of graphene-oxide(GO)/polyaniline nanocomposite with gold nanoparticles. <i>Chinese Physics B</i> , 2015, 24, 087801.	0.7	7
948	Citric Acid Induced Synthesis of a Series of Morphology-Controllable Ag Microspheres and Their Surface-Enhanced Raman Scattering. <i>Journal of Applied Spectroscopy</i> , 2015, 82, 861-867.	0.3	0
949	Spherical and Sheetlike Ag/AgCl Nanostructures: Interesting Photocatalysts with Unusual Facet-Dependent yet Substrate-Sensitive Reactivity. <i>Langmuir</i> , 2015, 31, 602-610.	1.6	33
950	Raman scattering of linear chains of strongly coupled Ag nanoparticles on SWCNTs. <i>Scientific Reports</i> , 2014, 4, 5238.	1.6	53
951	Sonochemically synthesized Ag nanoparticles as a SERS active substrate and effect of surfactant. <i>Applied Surface Science</i> , 2015, 331, 219-224.	3.1	9
952	Ultrahigh Field Enhancement and Photoresponse in Atomically Separated Arrays of Plasmonic Dimers. <i>Advanced Materials</i> , 2015, 27, 1751-1758.	11.1	59
953	The Effect of Dielectric Coating on the Local Electric Field Enhancement of Au-Ag Core-Shell Nanoparticles. <i>Plasmonics</i> , 2015, 10, 1-8.	1.8	45
954	Plasmonics of multifaceted metallic nanoparticles, field enhancement, and TERS. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 56-71.	0.7	11
955	Fabrication of Au nanorod-coated Fe <sub>3</sub> O <sub>4</sub> microspheres as SERS substrate for pesticide analysis by near-infrared excitation. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 470-475.	1.2	64
956	Nanometric Rulers Based on Plasmon Coupling in Pairs of Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015, 119, 4990-5001.	1.5	43
957	Regioselective Plasmonic Coupling in Metamolecular Analogs of Benzene Derivatives. <i>Nano Letters</i> , 2015, 15, 542-548.	4.5	15

#	ARTICLE	IF	CITATIONS
958	Plasmon resonances for solar energy harvesting: A mechanistic outlook. <i>Nano Today</i> , 2015, 10, 67-80.	6.2	190
959	Electrokinetic Preconcentration of Small Molecules Within Volumetric Electromagnetic Hotspots in Surface Enhanced Raman Scattering. <i>Small</i> , 2015, 11, 2487-2492.	5.2	23
960	Prospects for plasmonic hot spots in single molecule SERS towards the chemical imaging of live cells. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 21072-21093.	1.3	246
961	Coupled Mode Modeling To Interpret Hybrid Modes and Fano Resonances in Plasmonic Systems. <i>ACS Photonics</i> , 2015, 2, 246-255.	3.2	16
962	Unveiling Nanometer Scale Extinction and Scattering Phenomena through Combined Electron Energy Loss Spectroscopy and Cathodoluminescence Measurements. <i>Nano Letters</i> , 2015, 15, 1229-1237.	4.5	143
963	Local optical responses of plasmon resonances visualised by near-field optical imaging. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 6192-6206.	1.3	20
964	Gold Nanoparticle Arrays Spectroscopy: Observation of Electrostatic and Radiative Dipole Interactions. <i>Nano</i> , 2015, 10, 1550007.	0.5	6
965	Synthesis and characterization of silver nanoparticle-anchored amine-functionalized mesoporous silica for electrocatalytic determination of nitrite. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 2107-2115.	1.2	42
966	Multiple Fano interferences in a plasmonic metamolecule consisting of asymmetric metallic nanodimers. <i>Journal of Applied Physics</i> , 2015, 117, 023118.	1.1	31
967	Speciation and Lability of Ag-, AgCl-, and Ag <sub>2</sub> S-Nanoparticles in Soil Determined by X-ray Absorption Spectroscopy and Diffusive Gradients in Thin Films. <i>Environmental Science &amp; Technology</i> , 2015, 49, 897-905.	4.6	99
968	Optical properties of silver nanocube surfaces obtained by silane immobilization. <i>Nanospectroscopy</i> , 2015, 1, .	0.7	3
969	Anisotropic Gold Nanoparticles: Preparation, Properties, and Applications. <i>Nanoscience and Technology</i> , 2015, , 69-118.	1.5	4
970	Plasmon-induced broadband fluorescence enhancement on Al-Ag bimetallic substrates. <i>Scientific Reports</i> , 2014, 4, 6014.	1.6	24
971	Synthesis of silver nanoparticles by laser ablation in ethanol: A pulsed photoacoustic study. <i>Applied Surface Science</i> , 2015, 355, 341-349.	3.1	74
972	Geometrical and morphological optimizations of plasmonic nanoarrays for high-performance SERS detection. <i>Nanoscale</i> , 2015, 7, 15487-15494.	2.8	34
973	Dimeric Core-Shell Ag <sub>2</sub> @TiO <sub>2</sub> Nanoparticles for Off-Resonance Raman Study of the TiO <sub>2</sub> -N719 Interface. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18396-18403.	1.5	17
974	Photochemically grown silver nanodecahedra with precise tuning of plasmonic resonance. <i>Nanoscale</i> , 2015, 7, 12706-12712.	2.8	26
975	High Sensitivity, High Selectivity SERS Detection of MnSOD Using Optical Nanoantennas Functionalized with Aptamers. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15532-15540.	1.5	68



#	ARTICLE	IF	CITATIONS
976	Surface Plasmon-Assisted Solar Energy Conversion. Topics in Current Chemistry, 2015, 371, 215-252.	4.0	21
977	High-Density 2D Homo- and Hetero- Plasmonic Dimers with Universal Sub-10-nm Gaps. ACS Nano, 2015, 9, 9331-9339.	7.3	51
978	Asymmetric gold nanodimer arrays: electrostatic self-assembly and SERS activity. Journal of Materials Chemistry A, 2015, 3, 240-249.	5.2	63
979	Surface plasmon hurdles leading to a strongly localized giant field enhancement on two-dimensional (2D) metallic diffraction gratings. Optics Express, 2015, 23, 9167.	1.7	3
980	Development of highly thermoresponsive fluorescent sensors consisting of plasmonic silver nanoprisms and poly(N-isopropylacrylamide)â€“fluorophore composites. Photochemical and Photobiological Sciences, 2015, 14, 870-874.	1.6	6
981	Nanoimprint lithography of plasmonic platforms for SERS applications. Applied Physics A: Materials Science and Processing, 2015, 121, 443-449.	1.1	18
982	Metal-Enhanced Fluorescence of Dye-Doped Silica Nano Particles. Journal of Fluorescence, 2015, 25, 311-317.	1.3	4
983	The influence of stabilizers on the production of gold nanoparticles by direct current atmospheric pressure glow microdischarge generated in contact with liquid flowing cathode. Journal of Nanoparticle Research, 2015, 17, 185.	0.8	33
984	Nonlocal optical response in metallic nanostructures. Journal of Physics Condensed Matter, 2015, 27, 183204.	0.7	295
985	Au nanostructure arrays for plasmonic applications: annealed island films versus nanoimprint lithography. Nanoscale Research Letters, 2015, 10, 99.	3.1	18
986	Photochemical transformations on plasmonic metal nanoparticles. Nature Materials, 2015, 14, 567-576.	13.3	1,328
987	An engineered nano-plasmonic biosensing surface for colorimetric and SERS detection of DNA-hybridization events. , 2015, , .		0
988	Molecular-Resolution Interrogation of a Porphyrin Monolayer by Ultrahigh Vacuum Tip-Enhanced Raman and Fluorescence Spectroscopy. Nano Letters, 2015, 15, 4114-4120.	4.5	86
989	Directed self-assembly of gold nanoparticles into plasmonic chains. Soft Matter, 2015, 11, 4562-4571.	1.2	49
990	Quantum effects in the optical response of extended plasmonic gaps: validation of the quantum corrected model in core-shell nanomatryushkas. Optics Express, 2015, 23, 8134.	1.7	19
991	Hybrid magneticâ€“plasmonic nanocomposite: embedding cobalt clusters in gold nanorods. RSC Advances, 2015, 5, 34696-34703.	1.7	15
992	Characterizing the Optical Response of Symmetric Hemispherical Nano-dimers. Plasmonics, 2015, 10, 1453-1466.	1.8	10
993	Fano Resonance and Spectrally Modified Photoluminescence Enhancement in Monolayer MoS <sub>2</sub> Integrated with Plasmonic Nanoantenna Array. Nano Letters, 2015, 15, 3646-3653.	4.5	246

#	ARTICLE	IF	CITATIONS
994	Complex Photonic Structures for Light Harvesting. <i>Advanced Optical Materials</i> , 2015, 3, 722-743.	3.6	57
995	Engineering of SERS Substrates Based on Noble Metal Nanomaterials for Chemical and Biomedical Applications. <i>Applied Spectroscopy Reviews</i> , 2015, 50, 499-525.	3.4	89
996	Unfolding the contents of sub-nm plasmonic gaps using normalising plasmon resonance spectroscopy. <i>Faraday Discussions</i> , 2015, 178, 185-193.	1.6	52
997	The Coupling between Gold or Silver Nanocubes in Their Homo-Dimers: A New Coupling Mechanism at Short Separation Distances. <i>Nano Letters</i> , 2015, 15, 3391-3397.	4.5	70
998	Orthogonal and parallel lattice plasmon resonance in core-shell SiO <sub>2</sub> /Au nanocylinder arrays. <i>Optics Express</i> , 2015, 23, 130.	1.7	36
999	Plasma-mediated photothermal effects in ultrafast laser irradiation of gold nanoparticle dimers in water. <i>Optics Express</i> , 2015, 23, 1967.	1.7	29
1000	Enhanced optical transmission through a star-shaped bull's eye at dual resonant-bands in UV and the visible spectral range. <i>Optics Express</i> , 2015, 23, 18589.	1.7	6
1001	Modulation of Plasmon-Enhanced Resonance Energy Transfer to Gold Nanoparticles by Protein Survivin Channeled-Shell Gating. <i>Journal of Physical Chemistry B</i> , 2015, 119, 13227-13235.	1.2	58
1002	One-to-One Correlation between Structure and Optical Response in a Heterogeneous Distribution of Plasmonic Constructs. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24086-24094.	1.5	13
1003	Harnessing the interparticle J-aggregate induced plasmonic coupling for surface-enhanced Raman scattering. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28529-28533.	1.3	6
1004	Improvement of plasmonic enhancement of quantum dot emission via an intermediate silicon-aluminum oxide interface. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	8
1005	Extremely high near field enhancement in a novel plasmonic nano material used for photovoltage generation. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
1006	Bridging the Nanogap with Light: Continuous Tuning of Plasmon Coupling between Gold Nanoparticles. <i>ACS Nano</i> , 2015, 9, 12292-12300.	7.3	72
1007	Photocurrent enhancement of porphyrin molecules over a wide-wavelength region based on combined use of silver nanoprisms with different aspect ratios. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11439-11448.	2.7	16
1008	Nanogap effects on near- and far-field plasmonic behaviors of metallic nanoparticle dimers. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 29293-29298.	1.3	67
1009	Label-Free Nanoplasmonic-Based Short Noncoding RNA Sensing at Attomolar Concentrations Allows for Quantitative and Highly Specific Assay of MicroRNA-10b in Biological Fluids and Circulating Exosomes. <i>ACS Nano</i> , 2015, 9, 11075-11089.	7.3	203
1010	Growth Inhibition of Hexagonal Silver Nanoplates by Localized Surface Plasmon Resonance. <i>Journal of Physical Chemistry C</i> , 2015, 119, 19318-19325.	1.5	8
1011	Experimental correlation of electric fields and Raman signals in SERS and TERS. , 2015, 9554, .		0

#	ARTICLE	IF	CITATIONS
1012	Assessing Interparticle J-Aggregation of Two Different Cyanine Dyes with Gold Nanoparticles and Their Spectroscopic Characteristics. <i>Journal of Physical Chemistry C</i> , 2015, 119, 27786-27796.	1.5	5
1013	Enhanced Raman scattering from aromatic dithiols electro sprayed into plasmonic nanojunctions. <i>Faraday Discussions</i> , 2015, 184, 339-357.	1.6	15
1014	Efficient high-order analysis of bowtie nanoantennas using the locally corrected Nyström method. <i>Optics Express</i> , 2015, 23, 31452.	1.7	8
1015	Construction of Plasmonic Core-Satellite Nanostructures on Substrates Based on DNA-Directed Self-Assembly as a Sensitive and Reproducible Biosensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 27131-27139.	4.0	23
1016	Growth of branched gold nanoparticles on solid surfaces and their use as surface-enhanced Raman scattering substrates. <i>RSC Advances</i> , 2015, 5, 101656-101663.	1.7	10
1017	Short ligands offer long-term water stability and plasmon tunability for silver nanoparticles. <i>RSC Advances</i> , 2015, 5, 6553-6559.	1.7	25
1018	Radiative effects in plasmonic aluminum and silver nanospheres and nanorods. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 184004.	1.3	49
1019	Metal-Enhanced Fluorescence from Silver Nanowires with High Aspect Ratio on Glass Slides for Biosensing Applications. <i>Journal of Physical Chemistry C</i> , 2015, 119, 675-684.	1.5	29
1020	Gold nanorod biochip functionalization by antibody thiolation. <i>Talanta</i> , 2015, 136, 1-8.	2.9	30
1021	Metallic Nanostructures. , 2015, , .		24
1022	A classical treatment of optical tunneling in plasmonic gaps: extending the quantum corrected model to practical situations. <i>Faraday Discussions</i> , 2015, 178, 151-183.	1.6	151
1023	Highly sensitive SERS detection and quantification of sialic acid on single cell using photonic-crystal fiber with gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2015, 64, 227-233.	5.3	71
1024	Triple-walled gold surfaces with small-gaps for nonresonance surface enhanced Raman scattering of rhodamine 6G molecules. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2016, 34, 011802.	0.6	1
1025	TiO <sub>2</sub> Nanostructures and Nanocomposites for Sustainable Photocatalytic Water Purification. , 0, , .		6
1026	Strong electric field enhancements in asymmetric metallic nanostructures and high-order harmonic generation. <i>Applied Optics</i> , 2016, 55, 8035.	2.1	7
1027	Gold Nanotrimers: A Preparation Method and Optical Responses. <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 987-988.	1.0	3
1028	The Role of Size and Dimerization of Decorating Plasmonic Silver Nanoparticles on the Photoelectrochemical Solar Water Splitting Performance of BiVO <sub>4</sub> Photoanodes. <i>ChemNanoMat</i> , 2016, 2, 739-747.	1.5	33
1029	SERS and Raman imaging as a new tool to monitor dyeing on textile fibres. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 1239-1246.	1.2	18

#	ARTICLE	IF	CITATIONS
1030	Optical response of silver clusters and their hollow shells from linear-response TDDFT. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 214001.	0.7	20
1031	Quantum Mechanical Identification of Quadrupolar Plasmonic Excited States in Silver Nanorods. <i>Journal of Physical Chemistry A</i> , 2016, 120, 9324-9329.	1.1	17
1032	Hybridized plasmon modes and near-field enhancement of metallic nanoparticle-dimer on a mirror. <i>Scientific Reports</i> , 2016, 6, 30011.	1.6	80
1033	Gap Plasmons Multiple Mirroring from Spheres in Pyramids for Surface-Enhanced Raman Scattering. <i>ACS Photonics</i> , 2016, 3, 2405-2412.	3.2	15
1034	Numerical study of plasmonic absorption enhancement in semiconductor absorbers by metallic nanoparticles. <i>Journal of Applied Physics</i> , 2016, 120, .	1.1	10
1035	Field enhancement at silicon surfaces by gold ellipsoids probed by optical second-harmonic generation spectroscopy. <i>Journal of Applied Physics</i> , 2016, 120, .	1.1	6
1036	Localized surface plasmon resonance in graphene nanomesh with Au nanostructures. <i>Applied Physics Letters</i> , 2016, 109, 041106.	1.5	10
1037	“Squeezed” interparticle properties for plasmonic coupling and SERS characteristics of duplex DNA conjugated/linked gold nanoparticles of homo/hetero-sizes. <i>Nanotechnology</i> , 2016, 27, 325706.	1.3	13
1038	Plasmonic Properties of Two Silver Nanocubes: Dependence on Separation Distance, Relative Orientation, Refractive Index of the Substrate, and Exciting Light Propagation Direction. <i>ACS Symposium Series</i> , 2016, , 21-40.	0.5	1
1039	Plasmon Enhanced Raman Scattering from Molecular Adsorbates on Atomically Defined Planar Metal Surfaces. <i>ACS Symposium Series</i> , 2016, , 41-55.	0.5	0
1040	Raman Activity and Dynamics of Plasmons on a Rough Gold Film Studied by Ultrafast Scanning Near-Field Optical Microscopy. <i>ACS Symposium Series</i> , 2016, , 121-137.	0.5	1
1041	Locally enhanced surface plasmons and modulated “hot-spots” in nanoporous gold patterns on atomically thin MoS <sub>2</sub> with a comparison to SiO <sub>2</sub> substrate. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	8
1042	Localized surface plasmons in face to face dimer silver triangular prism nanoparticles. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	5
1043	Low-Power Light Guiding and Localization in Optoplasmonic Chains Obtained by Directed Self-Assembly. <i>Scientific Reports</i> , 2016, 6, 22621.	1.6	7
1044	Plasmonic energy nanofocusing for high-efficiency laser fusion ignition. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 08RG01.	0.8	7
1045	Near-Field Optical Properties of Ag x Au <sup>1-x</sup> Nanoparticle Chains Embedded in a Dielectric Matrix. <i>Plasmonics</i> , 2016, 11, 1407-1416.	1.8	3
1046	Heterodimer Nanostructures Induced Energy Focusing on Metal Film. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7778-7784.	1.5	21
1047	Au plasmon enhanced high performance In <sup>2</sup> -Ga <sub>2</sub> O <sub>3</sub> solar-blind photo-detector. <i>Progress in Natural Science: Materials International</i> , 2016, 26, 65-68.	1.8	37

#	ARTICLE	IF	CITATIONS
1048	Substrate-Independent Lattice Plasmon Modes for High-Performance On-Chip Plasmonic Sensors. <i>Plasmonics</i> , 2016, 11, 1427-1435.	1.8	5
1049	Plasmonic electric near-field enhancement in self-organized gold nanoparticles in macroscopic arrays. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	1.1	10
1050	Selective Detection of RGD-Integrin Binding in Cancer Cells Using Tip Enhanced Raman Scattering Microscopy. <i>Analytical Chemistry</i> , 2016, 88, 6547-6553.	3.2	49
1051	Three-dimensional lithography by elasto-capillary engineering of filamentary materials. <i>MRS Bulletin</i> , 2016, 41, 108-114.	1.7	27
1052	Ion beam induced optical and surface modification in plasmonic nanostructures. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2016, 379, 42-47.	0.6	8
1053	Effect of Proximity in Arrays of Plasmonic Nanoantennas on Hot Spots Density: Degenerate Semiconductors vs. Conventional Metals. <i>Plasmonics</i> , 2016, 11, 1487-1493.	1.8	10
1054	Study of chemical processes involved in silver staining of gold nanostructures by Raman scattering. <i>Nanoscale</i> , 2016, 8, 9583-9591.	2.8	1
1055	Singlet Oxygen Generation by Laser Irradiation of Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2016, 120, 10647-10657.	1.5	101
1056	Highly sensitive multifunctional recyclable Ag@TiO <sub>2</sub> nanorod SERS substrates for photocatalytic degradation and detection of dye molecules. <i>RSC Advances</i> , 2016, 6, 45120-45126.	1.7	62
1057	Molecular Plasmonics. <i>Annual Review of Analytical Chemistry</i> , 2016, 9, 27-43.	2.8	30
1058	Optical and Nonlinear Optical Limiting Properties of AgNi Alloy Nanostructures. <i>Plasmonics</i> , 2016, 11, 1461-1466.	1.8	19
1059	Effect of Nanogap Curvature on SERS: A Finite-Difference Time-Domain Study. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20642-20650.	1.5	54
1060	Assemble of high-density gold nanodots on TiO <sub>2</sub> substrate for surface-enhanced Raman spectroscopy. <i>Applied Surface Science</i> , 2016, 379, 462-466.	3.1	4
1061	Numerical Simulation of Extinction Spectra of Plasmonically Coupled Nanospheres Using Discrete Dipole Approximation: Influence of Compositional Asymmetry. <i>Plasmonics</i> , 2016, 11, 1603-1612.	1.8	15
1062	Phase modification and surface plasmon resonance of Au/WO <sub>3</sub> system. <i>Applied Surface Science</i> , 2016, 379, 505-515.	3.1	24
1063	Synthesis of silver nanoparticles via green method using ultrasound irradiation in seaweed <i>Kappaphycus alvarezii</i> media. <i>Research on Chemical Intermediates</i> , 2016, 42, 7991-8004.	1.3	27
1064	Ultrafast Surface-Enhanced Raman Probing of the Role of Hot Electrons in Plasmon-Driven Chemistry. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3179-3185.	2.1	89
1065	Split-GFP: SERS Enhancers in Plasmonic Nanocluster Probes. <i>Small</i> , 2016, 12, 5891-5901.	5.2	25

#	ARTICLE	IF	CITATIONS
1066	Fabrication and Unique Optical Properties of Two-Dimensional Silver Nanorod Arrays with Nanometer Gaps on a Silicon Substrate from a Self-Assembled Template of Diblock Copolymer. <i>Langmuir</i> , 2016, 32, 12504-12510.	1.6	4
1067	Reversible Shape and Plasmon Tuning in Hollow AgAu Nanorods. <i>Nano Letters</i> , 2016, 16, 6939-6945.	4.5	20
1068	Plasmonic nanoparticle-semiconductor composites for efficient solar water splitting. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17891-17912.	5.2	165
1069	Plasmonic Photocatalysts. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , 2016, , 117-153.	0.1	0
1070	Tunable photoelectrochemical performance of Au/BiFeO <sub>3</sub> heterostructure. <i>Nanoscale</i> , 2016, 8, 15795-15801.	2.8	76
1071	Room-temperature mechanochemical synthesis of silver nanoparticle homojunction assemblies for the surface-enhanced Raman scattering substrate. <i>RSC Advances</i> , 2016, 6, 74662-74669.	1.7	12
1072	Linear and Polygonal Assemblies of Plasmonic Nanoparticles: Incident Light Polarization Dictates Hot Spots. <i>Journal of Physical Chemistry C</i> , 2016, 120, 18733-18740.	1.5	14
1073	Direct self-assembly of CTAB-capped Au nanotriangles. <i>Nano Research</i> , 2016, 9, 3247-3256.	5.8	22
1074	Quantitative Analysis of Single and Mix Food Antiseptics Basing on SERS Spectra with PLSR Method. <i>Nanoscale Research Letters</i> , 2016, 11, 296.	3.1	18
1075	Dimerization of Colloidal Particles through Controlled Aggregation for Enhanced Properties and Applications. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2341-2351.	1.7	15
1076	Ultrasmall Mode Volumes in Plasmonic Cavities of Nanoparticle-on-Mirror Structures. <i>Small</i> , 2016, 12, 5190-5199.	5.2	53
1077	Surface plasmon resonance spectroscopy of single bowtie nano-antennas using a differential reflectivity method. <i>Scientific Reports</i> , 2016, 6, 23203.	1.6	49
1078	Tunable Lattice Coupling of Multipole Plasmon Modes and Near-Field Enhancement in Closely Spaced Gold Nanorod Arrays. <i>Scientific Reports</i> , 2016, 6, 23159.	1.6	34
1079	Surface Enhanced Raman Scattering (SERS) Nanoprobes as Cancer Theranostics. , 2016, , 177-204.		0
1080	Two-Photon Cycloreversion Reaction of Diarylethene on Gold Nanotriangles. <i>Advanced Optical Materials</i> , 2016, 4, 1385-1391.	3.6	1
1081	Two-photon upconversion affected by intermolecule correlations near metallic nanostructures. <i>Physical Review B</i> , 2016, 93, .	1.1	1
1082	Electron tunneling through water layer in nanogaps probed by plasmon resonances. <i>Physical Review B</i> , 2016, 93, .	1.1	6
1083	Vertically-oriented nanoparticle dimer based on focused plasmonic trapping. <i>Optics Express</i> , 2016, 24, 16052.	1.7	8

#	ARTICLE	IF	CITATIONS
1084	Silver nanoparticles enhanced photoluminescence of Nd 3+ doped germanate glasses at 1064Ånm. <i>Optical Materials</i> , 2016, 60, 25-29.	1.7	51
1085	Ultrashort, Angstrom-Scale Decay of Surface-Enhanced Raman Scattering at Hot Spots. <i>Journal of Physical Chemistry C</i> , 2016, 120, 24973-24981.	1.5	14
1086	Optical behavior of silver nanoparticles embedded in polymer thin film layers. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
1087	Nanostructure-based plasmon-enhanced Raman spectroscopy for surface analysis of materials. <i>Nature Reviews Materials</i> , 2016, 1, .	23.3	1,229
1088	Near-Field Enhancement Localization on Plasmonic Gratings. <i>Journal of Physical Chemistry C</i> , 2016, 120, 27562-27570.	1.5	11
1089	Enhanced Performance of Quantum Dot-Based Light-Emitting Diodes with Gold Nanoparticle-Doped Hole Injection Layer. <i>Nanoscale Research Letters</i> , 2016, 11, 376.	3.1	13
1090	Systematic control of edge length, tip sharpness, thickness, and localized surface plasmon resonance of triangular Au nanoprisms. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	8
1091	Quantum mechanical effects in plasmonic structures with subnanometre gaps. <i>Nature Communications</i> , 2016, 7, 11495.	5.8	605
1092	Thin films of organic dyes with silver nanoparticles: enhancement and spectral shifting of fluorescence due to excitation of localised surface plasmons. <i>International Journal of Nanotechnology</i> , 2016, 13, 642.	0.1	9
1093	Optical Properties of Plasmonic Mirror-Image Nanoepsilon. <i>Nanoscale Research Letters</i> , 2016, 11, 327.	3.1	3
1094	Light Scattering Effects by Silver Nano-Particles on the Surface Protection Sheet of an Amorphous Silicon Solar Cell. <i>E-Journal of Surface Science and Nanotechnology</i> , 2016, 14, 83-86.	0.1	1
1095	Detection of Plasmon Coupling between Silver Nanowires Based on Hyperspectral Darkfield and SERS Imaging and Supported by DDA Theoretical Calculations. <i>ChemPhysChem</i> , 2016, 17, 463-467.	1.0	8
1096	Urine surface-enhanced Raman spectroscopy for non-invasive diabetic detection based on a portable Raman spectrometer. <i>Laser Physics Letters</i> , 2016, 13, 065604.	0.6	23
1097	Semiempirical Modeling of Ag Nanoclusters: New Parameters for Optical Property Studies Enable Determination of Double Excitation Contributions to Plasmonic Excitation. <i>Journal of Physical Chemistry A</i> , 2016, 120, 4542-4549.	1.1	45
1098	Surface plasmon-enhanced third-order optical non-linearity of silver triangular nanoplate. <i>Journal of Modern Optics</i> , 2016, 63, 2396-2401.	0.6	6
1099	Universal Near-Field Interference Patterns of Fano Resonances in Two-Dimensional Plasmonic Crystals. <i>Plasmonics</i> , 2016, 11, 1377-1383.	1.8	30
1100	Orientation Dependence of Plasmonically Enhanced Spontaneous Emission. <i>Journal of Physical Chemistry C</i> , 2016, 120, 21037-21046.	1.5	7
1101	Effects of the Substrate Refractive Index, the Exciting Light Propagation Direction, and the Relative Cube Orientation on the Plasmonic Coupling Behavior of Two Silver Nanocubes at Different Separations. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20896-20904.	1.5	25



#	ARTICLE	IF	CITATIONS
1102	The information content in single-molecule Raman nanoscopy. <i>Advances in Physics: X</i> , 2016, 1, 35-54.	1.5	8
1103	Surface chemistry of Au/TiO <sub>2</sub> : Thermally and photolytically activated reactions. <i>Surface Science Reports</i> , 2016, 71, 77-271.	3.8	106
1104	Competition between Reaction and Degradation Pathways in Plasmon-Driven Photochemistry. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20869-20876.	1.5	38
1105	Single-Molecule Surface-Enhanced (Resonance) Raman Scattering (SE(R)RS) as a Probe for Metal Colloid Aggregation State. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20877-20885.	1.5	25
1106	A Simple Optical Model Well Explains Plasmonic-Nanoparticle-Enhanced Spectral Photocurrent in Optically Thin Solar Cells. <i>Nanoscale Research Letters</i> , 2016, 11, 236.	3.1	14
1107	A Computational Study of the Giant Local Electric Field Enhancement in Al-Au-Ag Trimetallic Three-Layered Nanoshells. <i>Plasmonics</i> , 2016, 11, 659-667.	1.8	8
1108	Manipulating Electron Transfer in Hybrid ZnO@Au Nanostructures: Size of Gold Matters. <i>Journal of Physical Chemistry C</i> , 2016, 120, 14906-14917.	1.5	44
1109	Two-Photon Excitation of a Plasmonic Nanoswitch Monitored by Single-Molecule Fluorescence Microscopy. <i>Chemistry - A European Journal</i> , 2016, 22, 7281-7287.	1.7	15
1110	Evidence and implications of direct charge excitation as the dominant mechanism in plasmon-mediated photocatalysis. <i>Nature Communications</i> , 2016, 7, 10545.	5.8	392
1111	Effects of the rotation angle on surface plasmon coupling of nanoprisms. <i>Nanoscale</i> , 2016, 8, 3660-3670.	2.8	16
1112	Reviews in Plasmonics 2015. <i>International Journal of Behavioral and Consultation Therapy</i> , 2016, , .	0.4	3
1113	Surface Enhanced Raman Spectroscopy at Electrochemically Fabricated Silver Nanowire Junctions. <i>Analytical Chemistry</i> , 2016, 88, 675-681.	3.2	15
1114	Glucose-functionalized Au nanoprisms for optoacoustic imaging and near-infrared photothermal therapy. <i>Nanoscale</i> , 2016, 8, 492-499.	2.8	39
1115	Plasmon-mediated chemical surface functionalization at the nanoscale. <i>Nanoscale</i> , 2016, 8, 8633-8640.	2.8	25
1116	<i>Colloquium</i> : Nanoplasmas generated by intense radiation. <i>Reviews of Modern Physics</i> , 2016, 88, .	16.4	39
1117	The Sensitivity of the Distance Dependent Plasmonic Coupling between Two Nanocubes to their Orientation: Edge-to-Edge versus Face-to-Face. <i>Journal of Physical Chemistry C</i> , 2016, 120, 4564-4570.	1.5	29
1118	Surface Enhancement in Ultrafast 2D ATR IR Spectroscopy at the Metal-Liquid Interface. <i>Journal of Physical Chemistry C</i> , 2016, 120, 3350-3359.	1.5	57
1119	Gradual plasmon evolution and huge infrared near-field enhancement of metallic bridged nanoparticle dimers. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 2319-2323.	1.3	19

#	ARTICLE	IF	CITATIONS
1120	Modeling and Interpretation of Hybridization in Coupled Plasmonic Systems. International Journal of Behavioral and Consultation Therapy, 2016, , 19-49.	0.4	3
1121	Size-controlled gold nano-tetradecapods with tunable optical and electromagnetic properties. Journal of Materials Chemistry C, 2016, 4, 3149-3156.	2.7	7
1122	Symmetry-Dependent Optical Properties of Stellated Nanocrystals. Journal of Physical Chemistry C, 2016, 120, 20563-20571.	1.5	21
1123	DNA origami based Au@Ag-core-shell nanoparticle dimers with single-molecule SERS sensitivity. Nanoscale, 2016, 8, 5612-5620.	2.8	107
1124	Optical characteristics of rounded silver nanoprisms. Optical Review, 2016, 23, 260-264.	1.2	6
1125	Seedless, copper-induced synthesis of stable Ag/Cu bimetallic nanoparticles and their optical properties. RSC Advances, 2016, 6, 29116-29126.	1.7	26
1126	Ordered arrays of Ag nanodendrite clusters as effective surface-enhanced Raman scattering substrates. RSC Advances, 2016, 6, 26490-26494.	1.7	7
1127	Dye-assisted visualization of plasmon modes excited in single gold nanoplates. Chemical Physics Letters, 2016, 646, 179-184.	1.2	7
1128	Improved galvanic replacement growth of Ag microstructures on Cu micro-grid for enhanced SERS detection of organic molecules. Materials Science and Engineering C, 2016, 61, 97-104.	3.8	13
1129	Single molecule Raman spectra of porphycene isotopologues. Nanoscale, 2016, 8, 3337-3349.	2.8	25
1130	Plasmon coupling between silver nanoparticles: Transition from the classical to the quantum regime. Journal of Colloid and Interface Science, 2016, 464, 18-24.	5.0	37
1131	On the applicability of discrete dipole approximation for plasmonic particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 169, 23-35.	1.1	19
1132	Facile Synthesis of Silver Nanoparticles with Application of Reproducible Surface Enhanced Raman Scattering Substrates. Analytical Letters, 2016, 49, 1198-1208.	1.0	1
1133	Solar Energy for Fuels. Topics in Current Chemistry, 2016, , .	4.0	7
1134	Numerical Simulation of Broadband Scattering by Coated and Noncoated Metal Nanostructures Using Discrete Dipole Approximation Method. Plasmonics, 2016, 11, 425-432.	1.8	10
1135	Silver nanoprisms-based Tb(III) fluorescence sensor for highly selective detection of dopamine. Talanta, 2017, 165, 369-376.	2.9	41
1136	A new view for nanoparticle assemblies: from crystalline to binary cooperative complementarity. Chemical Society Reviews, 2017, 46, 1483-1509.	18.7	77
1137	Near- and Far-Field Optical Response of Eccentric Nanoshells. Nanoscale Research Letters, 2017, 12, 16.	3.1	9

#	ARTICLE	IF	CITATIONS
1138	Coupling effect on charge transfer mechanism of surface enhanced resonance Raman scattering. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 560-569.	1.2	15
1139	Super-Resolution Imaging and Plasmonics. <i>Chemical Reviews</i> , 2017, 117, 7538-7582.	23.0	237
1140	Advances in Tip-Enhanced Near-Field Raman Microscopy Using Nanoantennas. <i>Chemical Reviews</i> , 2017, 117, 4945-4960.	23.0	103
1141	Optical characterizations of silver nanoprisms embedded in polymer thin film layers. <i>Journal of Nanophotonics</i> , 2017, 11, 043504.	0.4	1
1142	Surface enhanced thermo lithography. <i>Microelectronic Engineering</i> , 2017, 174, 52-58.	1.1	1
1143	Plasmonic Nanolenses: Electrostatic Self-Assembly of Hierarchical Nanoparticle Trimers and Their Response to Optical and Electron Beam Stimuli. <i>ACS Nano</i> , 2017, 11, 1604-1612.	7.3	37
1144	Nanoparticle-on-mirror cavity modes for huge and/or tunable plasmonic field enhancement. <i>Nanotechnology</i> , 2017, 28, 105203.	1.3	40
1147	Nonequilibrium Chemical Effects in Single-Molecule SERS Revealed by Ab Initio Molecular Dynamics Simulations. <i>Journal of Physical Chemistry A</i> , 2017, 121, 1344-1350.	1.1	13
1148	On the Effect of Native SiO <sub>2</sub> on Si over the SPR-mediated Photocatalytic Activities of Au and Ag Nanoparticles. <i>Chemistry - A European Journal</i> , 2017, 23, 7185-7190.	1.7	11
1149	Enhancement of GdVO <sub>4</sub> :Eu <sup>3+</sup> red fluorescence through plasmonic effect of silver nanoprisms on Si solar cell surface. <i>Journal of Applied Research and Technology</i> , 2017, 15, 102-109.	0.6	8
1150	Aluminum Nanoparticles with Hot Spots for Plasmon-Induced Circular Dichroism of Chiral Molecules in the UV Spectral Interval. <i>Advanced Optical Materials</i> , 2017, 5, 1700069.	3.6	43
1151	Multi-layered bowtie nano-antennas. <i>Journal of Applied Physics</i> , 2017, 121, 133106.	1.1	13
1152	Plasmon-Induced Nanolocalized Reduction of Diazonium Salts. <i>ACS Omega</i> , 2017, 2, 1947-1955.	1.6	59
1153	Achieving biosensing at attomolar concentrations of cardiac troponin T in human biofluids by developing a label-free nanoplasmonic analytical assay. <i>Analyst</i> , 2017, 142, 2442-2450.	1.7	32
1154	Tip-Enhanced Raman Spectroscopy: Technique and Recent Advances. <i>Chemical Reviews</i> , 2017, 117, 6447-6466.	23.0	308
1155	Plasmonic Breathing and Edge Modes in Aluminum Nanotriangles. <i>ACS Photonics</i> , 2017, 4, 1257-1263.	3.2	76
1156	Surface-Sensitive and Surface-Specific Ultrafast Two-Dimensional Vibrational Spectroscopy. <i>Chemical Reviews</i> , 2017, 117, 10623-10664.	23.0	114
1157	Nonlocal Response in Plasmonic Nanostructures. <i>Springer Series in Solid-state Sciences</i> , 2017, , 279-302.	0.3	23

#	ARTICLE	IF	CITATIONS
1158	In situ construction of polymer-encapsulated Au nanoparticle dimers based on a C-C coupling reaction. RSC Advances, 2017, 7, 26153-26160.	1.7	2
1159	Optical Properties of Gold Nanoparticle Assemblies on a Glass Surface. Nanoscale Research Letters, 2017, 12, 348.	3.1	32
1160	Dynamic plasmonic nano-traps for single molecule surface-enhanced Raman scattering. Nanoscale, 2017, 9, 10694-10700.	2.8	26
1161	Light incoupling tolerance of resonant and nonresonant metal nanostructures embedded in perovskite medium: effect of various geometries on broad spectral resonance. Journal Physics D: Applied Physics, 2017, 50, 335105.	1.3	9
1162	Nanorattles with tailored electric field enhancement. Nanoscale, 2017, 9, 9376-9385.	2.8	76
1163	Unraveling the Near- and Far-Field Relationship of 2D Surface-Enhanced Raman Spectroscopy Substrates Using Wavelength-Scan Surface-Enhanced Raman Excitation Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 14737-14744.	1.5	21
1164	Direct photocatalysis of supported metal nanostructures for organic synthesis. Journal Physics D: Applied Physics, 2017, 50, 283001.	1.3	20
1165	Preparation of a self-cleanable molecularly imprinted sensor based on surface-enhanced Raman spectroscopy for selective detection of R6G. Analytical and Bioanalytical Chemistry, 2017, 409, 4627-4635.	1.9	21
1166	Chemical sensing dependence on metal oxide thickness for high temperature plasmonics-based sensors. Sensors and Actuators B: Chemical, 2017, 251, 1104-1111.	4.0	14
1167	Reversible Electrochemical Tuning of Optical Property of Single Au Nano-bridged Structure via Electrochemical under Potential Deposition. Chemistry Letters, 2017, 46, 1148-1150.	0.7	12
1168	Silver Nanoparticles with Many Sharp Apexes and Edges as Efficient Nanoresonators for Shell-Isolated Nanoparticle-Enhanced Raman Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 12383-12391.	1.5	25
1169	Fabrication of silver nanoparticles from silver salt aqueous solution at water-glass interface by visible CW laser irradiation without reducing reagents. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 344, 168-177.	2.0	7
1170	Highly Stable Monocrystalline Silver Clusters for Plasmonic Applications. Langmuir, 2017, 33, 6062-6070.	1.6	40
1171	Graphene Oxide Nanoprisms for Sensitive Detection of Environmentally Important Aromatic Compounds with SERS. ACS Sensors, 2017, 2, 817-827.	4.0	30
1172	Nano-Raman Scattering Microscopy: Resolution and Enhancement. Chemical Reviews, 2017, 117, 4983-5001.	23.0	80
1173	Multiple plasmon resonance in a concentric silver-atomic medium nanoshell. Journal of Applied Physics, 2017, 121, 123102.	1.1	1
1174	Polypyrrole-modified CuS nanoprisms for efficient near-infrared photothermal therapy. RSC Advances, 2017, 7, 10143-10149.	1.7	22
1175	Surface-enhanced Raman scattering of pyrazine on Au <sub>5</sub> Al <sub>5</sub> bimetallic nanoclusters. RSC Advances, 2017, 7, 12170-12178.	1.7	8

#	ARTICLE	IF	CITATIONS
1176	Dual-Scattering Near-Field Microscope for Correlative Nanoimaging of SERS and Electromagnetic Hotspots. <i>Nano Letters</i> , 2017, 17, 2667-2673.	4.5	49
1177	Plasmonic nanoparticles in chemical analysis. <i>RSC Advances</i> , 2017, 7, 17559-17576.	1.7	133
1178	Spectral shift between the near-field and far-field optoplasmonic response in gold nanospheres, nanoshells, homo- and hetero-dimers. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 195, 97-106.	1.1	18
1179	Plasmon Resonances in Nanohemisphere Monolayers. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23599-23608.	1.5	5
1180	Visualizing Electric Fields at Au(111) Step Edges via Tip-Enhanced Raman Scattering. <i>Nano Letters</i> , 2017, 17, 7131-7137.	4.5	44
1181	Semiconducting Metal Oxide Nanostructures for Water Splitting and Photovoltaics. <i>Advanced Energy Materials</i> , 2017, 7, 1700706.	10.2	108
1182	Size selectivity of magnetite core- (Ag/Au) shell nanoparticles for multimodal imaging applications. <i>Materials Research Express</i> , 2017, 4, 105401.	0.8	5
1183	Plasmon-Induced Selective Oxidation Reaction at Single-Walled Carbon Nanotubes. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 38992-38998.	4.0	4
1184	Rationally designed particle-in-aperture hybrid arrays as large-scale, highly reproducible SERS substrates. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11631-11639.	2.7	4
1185	Influences of dipole-quadrupole strong interactions on optical properties of plasmonic nanodimers. <i>Journal of Optics (United Kingdom)</i> , 2017, 19, 125003.	1.0	2
1186	Extending the high-order-harmonic spectrum using surface plasmon polaritons. <i>Physical Review A</i> , 2017, 96, .	1.0	5
1187	Exploring the Near-Field of Strongly Coupled Waveguide-Plasmon Modes by Plasmon-Induced Photocurrent Generation Using a Gold Nanograting-Loaded Titanium Dioxide Photoelectrode. <i>Journal of Physical Chemistry C</i> , 2017, 121, 21627-21633.	1.5	10
1188	Solid-Phase Photochemical Growth of Composition-Variable Au-Ag Alloy Nanoparticles in AgBr Crystal. <i>Journal of Physical Chemistry C</i> , 2017, 121, 20763-20768.	1.5	6
1189	Polymer Encapsulated Self-Assemblies of Ultrasmall Rhenium Nanoparticles: Catalysis and SERS Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 10186-10198.	3.2	18
1190	Effect of Surface Plasmon Coupling to Optical Cavity Modes on the Field Enhancement and Spectral Response of Dimer-Based sensors. <i>Scientific Reports</i> , 2017, 7, 10524.	1.6	13
1191	Plasmonic behaviour of phenylenediamine functionalised silver nanoparticles. <i>Materials Research Express</i> , 2017, 4, 095018.	0.8	5
1192	Applications of surface-enhanced Raman spectroscopy in the analysis of nanoparticles in the environment. <i>Environmental Science: Nano</i> , 2017, 4, 2093-2107.	2.2	47
1193	Plasmonic Fields Focused to Molecular Size. <i>ChemNanoMat</i> , 2017, 3, 843-856.	1.5	9

#	ARTICLE	IF	CITATIONS
1194	Enhancement of multipolar Fano resonances by nanocrescent elliptical disk structures. <i>Europhysics Letters</i> , 2017, 118, 64002.	0.7	6
1195	Coated triangular Ag nanoprisms as optical sensors: control of stability and spectral response with a thermo-responsive polymer. <i>Analytical Methods</i> , 2017, 9, 4663-4672.	1.3	7
1196	On the origin of nonlocal damping in plasmonic monomers and dimers. <i>International Journal of Modern Physics B</i> , 2017, 31, 1740005.	1.0	20
1197	Influence of gold nanoparticles on the 805Ånm gain in Tm <sup>3+</sup> /Yb <sup>3+</sup> codoped PbO-GeO <sub>2</sub> pedestal waveguides. <i>Optical Materials</i> , 2017, 72, 518-523.	1.7	22
1198	Thermo-responsive molecularly imprinted sensor based on the surface-enhanced Raman scattering for selective detection of R6G in the water. <i>Dalton Transactions</i> , 2017, 46, 11282-11290.	1.6	22
1199	Quantum plasmonic nanoantennas. <i>Physical Review B</i> , 2017, 95, .	1.1	30
1200	Robust and Efficient Spin Purification for Determinantal Configuration Interaction. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 4162-4172.	2.3	17
1201	Studies on the Plasmon-Induced Photoexcitation Processes of Molecules on Metal Surfaces. <i>Springer Theses</i> , 2017, , .	0.0	0
1202	Improving the rates of Pd-catalyzed reactions by exciting the surface plasmons of AuPd bimetallic nanotriangles. <i>RSC Advances</i> , 2017, 7, 40218-40226.	1.7	14
1203	The Depolarisation Behaviour of Surface-Enhanced Raman Scattering Photons in a Metal Nanodimer Structure. <i>Springer Theses</i> , 2017, , 17-27.	0.0	0
1204	Second and third-order nonlinear optical properties of Er <sup>3+</sup> /Yb <sup>3+</sup> doped PbO-GeO <sub>2</sub> -Ga <sub>2</sub> O <sub>3</sub> glasses with Au nanoparticles. <i>Materials Research Bulletin</i> , 2017, 95, 339-348.	2.7	38
1205	Chemically stable Au nanorods as probes for sensitive surface enhanced scattering (SERS) analysis of blue BIC ballpoint pens. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	3
1206	Single-Molecule Plasmon Sensing: Current Status and Future Prospects. <i>ACS Sensors</i> , 2017, 2, 1103-1122.	4.0	266
1207	Cylindrical and Spherical Active Coated Nanoparticles as Nanoantennas: Active Nanoparticles as Nanoantennas. <i>IEEE Antennas and Propagation Magazine</i> , 2017, 59, 14-29.	1.2	13
1208	Observation of laser-light effect on <sup>137</sup> Cs radioactivity in colloidal gold: first results. <i>Physics of Particles and Nuclei Letters</i> , 2017, 14, 900-903.	0.1	0
1209	High-sensitivity molecular sensing using plasmonic nanocube chains in classical and quantum coupling regimes. <i>Nano Today</i> , 2017, 17, 14-22.	6.2	14
1210	Continuous wave random lasing in naturally occurring biocompatible pigments and reduction of lasing threshold using triangular silver nanostructures as scattering media. <i>Nanoscale</i> , 2017, 9, 18812-18818.	2.8	27
1211	Study of Signal-to-Background Ratio of Surface-Enhanced Raman Scattering: Dependences on Excitation Wavelength and Hot-Spot Gap. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26438-26445.	1.5	11

#	ARTICLE	IF	CITATIONS
1212	Nonlocality in Plasmonics. World Scientific Series in Nanoscience and Nanotechnology, 2017, , 67-113.	0.1	1
1213	Fabrication and optical properties of nanostructured plasmonic Al <sub>2</sub> O <sub>3</sub> /Au@Al <sub>2</sub> O <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> metamaterials. Nanotechnology, 2017, 28, 335704.		11
1214	Spectroscopic ellipsometer study of correlation of out of plane and in-plane plasmons in silver nanoislands with annealing induced growth. Vacuum, 2017, 143, 348-355.	1.6	5
1215	Surface-Enhanced, Spatially Offset Raman Spectroscopy (SESORS) in Tissue Analogues. ACS Applied Materials & Interfaces, 2017, 9, 25488-25494.	4.0	40
1216	Electromagnetic theories of surface-enhanced Raman spectroscopy. Chemical Society Reviews, 2017, 46, 4042-4076.	18.7	1,020
1217	Plasmon resonance coupling phenomena in self-assembled colloidal monolayers. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600947.	0.8	12
1218	Flexible and robust SERS active substrates for conformal rapid detection of pesticide residues from fruits. Sensors and Actuators B: Chemical, 2017, 241, 577-583.	4.0	166
1219	Surface-enhanced Raman scattering of Ethyl carbamate adsorbed on Ag <sub>20</sub> cluster: Enhancement mechanism. Journal of Molecular Structure, 2017, 1131, 212-217.	1.8	11
1220	Computational and experimental evaluation of selective substitution of thiolated coumarin derivatives on gold nanoparticles: Surface enhancing Raman scattering and electrochemical studies. Applied Surface Science, 2017, 396, 695-704.	3.1	7
1221	Microwave-assisted synthesis of Ag/rGO composites and their cytotoxicity for HT22 Neuronal cell. Materials Research Innovations, 2017, 21, 257-261.	1.0	4
1222	Sonochemical synthesis, characterization, antimicrobial activity and textile dyeing behavior of nano-sized cobalt(III) complexes. Ultrasonics Sonochemistry, 2017, 35, 294-303.	3.8	17
1223	A dual photoluminescence enhancement system: stabilization of a water soluble AIEE fluorogen using silver nanowire. Faraday Discussions, 2017, 196, 55-69.	1.6	3
1224	Study on the SERS substrate composed of Au@Ag core-shell nanoparticles linked to SiO <sub>2</sub> spheres. Inorganic and Nano-Metal Chemistry, 2017, 47, 1283-1289.	0.9	1
1225	Performance Improving Method of Aligned Silver Nanorod by Grafting Au@Ag Core@Shell Nanoparticles for Surface-Enhanced Raman Scattering. Nano, 2017, 12, 1750131.	0.5	15
1228	Hot luminescence from gold nanoflowers and its application in high-density optical data storage. Optics Express, 2017, 25, 9262.	1.7	13
1229	Ag gyrus-nanostructure supported on graphene/Au film with nanometer gap for ideal surface enhanced Raman scattering. Optics Express, 2017, 25, 20631.	1.7	37
1230	Ag Nanorods-Oxide Hybrid Array Substrates: Synthesis, Characterization, and Applications in Surface-Enhanced Raman Scattering. Sensors, 2017, 17, 1895.	2.1	8
1231	Optimal Structure of a Plasmonic Chip for Sensitive Bio-Detection with the Grating-Coupled Surface Plasmon-Field Enhanced Fluorescence (GC-SPF). Materials, 2017, 10, 1063.	1.3	14



#	ARTICLE	IF	CITATIONS
1232	A Time-Dependent Density Functional Theory Study of the Impact of Ligand Passivation on the Plasmonic Behavior of Ag Nanoclusters. <i>Advances in Quantum Chemistry</i> , 2017, 75, 117-145.	0.4	2
1233	Pump-probe STM light emission spectroscopy for detection of photo-induced semiconductor-metal phase transition of VO <sub>2</sub> . <i>Journal of Physics Condensed Matter</i> , 2017, 29, 405001.	0.7	2
1234	Optical response of heterogeneous polymer layers containing silver nanostructures. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 1065-1072.	1.5	3
1235	General Encapsulation of Core-Shell Nanoparticles by Metal Nanoshell in Colloids. <i>Nano Research &amp; Applications</i> , 2017, 03, .	0.2	3
1236	High-order optical nonlinearities in plasmonic nanocomposites—a review. <i>Advances in Optics and Photonics</i> , 2017, 9, 720.	12.1	83
1237	Plasmonic Field Distribution of Homo- and Hetero Dimeric Ag and Au Nanoparticles. , 0, , .		1
1238	Accurate Near-Field Simulations of the Real Substrate Geometry—A Powerful Tool for Understanding Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6826-6834.	1.5	1
1239	Application of ordered nanoparticle self-assemblies in surface-enhanced spectroscopy. <i>Materials Chemistry Frontiers</i> , 2018, 2, 835-860.	3.2	42
1240	Efficient Coupling to Plasmonic Multipole Resonances by Using a Multipolar Incident Field. <i>ACS Photonics</i> , 2018, 5, 1404-1411.	3.2	7
1241	Recyclable silver nanoplate-decorated copper membranes for solid-phase extraction coupled with surface-enhanced Raman scattering detection. <i>Analytical Methods</i> , 2018, 10, 1353-1361.	1.3	2
1242	Combining sonicated cold development and pulsed electrodeposition for high aspect ratio sub-10 nm gap gold dimers for sensing applications in the visible spectrum. <i>Nanoscale</i> , 2018, 10, 5221-5228.	2.8	13
1243	Inkjet-Based Fabrication Process with Control over the Morphology of SERS-Active Silver Nanostructures. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 5250-5258.	1.8	7
1244	Metallic 3D Random Nanocomposite Islands For Near-Field Spatial Light Switching. <i>Advanced Optical Materials</i> , 2018, 6, 1701219.	3.6	7
1245	Enhanced performance of green quantum dots light-emitting diodes: The case of Ag nanowires. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018, 101, 11-15.	1.3	2
1246	A tip-gap mesh-like bilayer SERS substrate for highly sensitive detection. <i>Analytical Methods</i> , 2018, 10, 2251-2256.	1.3	4
1247	Balancing silicon/aluminum oxide junctions for super-plasmonic emission enhancement of quantum dots via plasmonic metafilms. <i>Nanoscale</i> , 2018, 10, 4825-4832.	2.8	14
1248	Coupling of Elementary Electronic Excitations: Drawing Parallels Between Excitons and Plasmons. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 919-932.	2.1	28
1249	Localized Surface Plasmon Resonance in Semiconductor Nanocrystals. <i>Chemical Reviews</i> , 2018, 118, 3121-3207.	23.0	656

#	ARTICLE	IF	CITATIONS
1250	Fabrication of a self-assembled and flexible SERS nanosensor for explosive detection at parts-per-quadrillion levels from fingerprints. <i>Analyst, The</i> , 2018, 143, 2012-2022.	1.7	89
1251	Magnetic ordered mesoporous carbon composites incorporating Ag nanoparticles as SERS substrate for enrichment and detection of trace mercaptan compounds. <i>Research on Chemical Intermediates</i> , 2018, 44, 3365-3374.	1.3	10
1252	Correlating Nanoscopic Energy Transfer and Far-Field Emission to Unravel Lasing Dynamics in Plasmonic Nanocavity Arrays. <i>Nano Letters</i> , 2018, 18, 1454-1459.	4.5	28
1253	Nanoscale control of plasmon-active metal nanodimer structures via electrochemical metal dissolution reaction. <i>Nanotechnology</i> , 2018, 29, 045702.	1.3	10
1254	Angle- and Momentum-Resolved Photoelectron Velocity Map Imaging Studies of Thin Au Film and Single Supported Au Nanoshells. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3970-3984.	1.5	15
1255	Cellular imaging by targeted assembly of hot-spot SERS and photoacoustic nanoprobe using split-fluorescent protein scaffolds. <i>Nature Communications</i> , 2018, 9, 607.	5.8	102
1256	Detailed correlations between SERS enhancement and plasmon resonances in subwavelength closely spaced Au nanorod arrays. <i>Nanoscale</i> , 2018, 10, 4267-4275.	2.8	40
1257	Fermented juices as reducing and capping agents for the biosynthesis of size-defined spherical gold nanoparticles. <i>Journal of Saudi Chemical Society</i> , 2018, 22, 767-776.	2.4	5
1258	The synthesis of high yield Au nanoplate and optimized optical properties. <i>Superlattices and Microstructures</i> , 2018, 114, 124-142.	1.4	25
1259	Sensitive SERS detection at the single-particle level based on nanometer-separated mushroom-shaped plasmonic dimers. <i>Nanotechnology</i> , 2018, 29, 105301.	1.3	17
1260	Fabrication and measurement of microtip-array-based LSPR sensor using bundle fiber. <i>Sensors and Actuators A: Physical</i> , 2018, 271, 146-152.	2.0	17
1261	Active Tuning of Strong Coupling States between Dye Excitons and Localized Surface Plasmons via Electrochemical Potential Control. <i>ACS Photonics</i> , 2018, 5, 788-796.	3.2	43
1262	Monomer functionalized silica coated with Ag nanoparticles for enhanced SERS hotspots. <i>Applied Surface Science</i> , 2018, 440, 133-143.	3.1	17
1263	Highly sensitive and reproducible SERS substrates of bilayer Au and Ag nano-island arrays by thermal evaporation deposition. <i>Surface and Coatings Technology</i> , 2018, 350, 823-830.	2.2	19
1264	Nanosecond-pulsed Q-switched Nd:YAG laser at 1064 nm with a gold nanotriangle saturable absorber. <i>Applied Physics B: Lasers and Optics</i> , 2018, 124, 1.	1.1	3
1265	Electrochemical Fine Tuning of the Plasmonic Properties of Au Lattice Structures. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14162-14167.	1.5	17
1266	Plasmonically enhanced electromotive force of narrow bandgap PbS QD-based photovoltaics. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 14818-14827.	1.3	9
1267	Overwhelming Analogies between Plasmon Hybridization Theory and Molecular Orbital Theory Revealed: The Story of Plasmonic Heterodimers. <i>Journal of Physical Chemistry C</i> , 2018, 122, 7382-7388.	1.5	16

#	ARTICLE	IF	CITATIONS
1268	Enhanced infrared-to-visible frequency upconversion in Yb <sup>3+</sup> /Er <sup>3+</sup> codoped Bi <sub>2</sub> O <sub>3</sub> -GeO <sub>2</sub> glasses with embedded silver nanoparticles. <i>Journal of Non-Crystalline Solids</i> , 2018, 498, 395-400.	1.5	26
1269	In-Plane and Out-of-Plane Plasmons in Random Silver Nanoisland Films. <i>Plasmonics</i> , 2018, 13, 373-383.	1.8	7
1270	Synergistic anticancer effect of green synthesized nickel nanoparticles and quercetin extracted from <i>Ocimum sanctum</i> leaf extract. <i>Journal of Materials Science and Technology</i> , 2018, 34, 508-522.	5.6	55
1271	Physics Models of Plasmonics: Single Nanoparticle, Complex Single Nanoparticle, Nanodimer, and Single Nanoparticle over Metallic Thin Film. <i>Plasmonics</i> , 2018, 13, 997-1014.	1.8	13
1272	Very Long Plasmon Oscillation Lifetimes in the Gap Between Two Gold Particles. <i>Plasmonics</i> , 2018, 13, 1367-1371.	1.8	4
1273	The rich photonic world of plasmonic nanoparticle arrays. <i>Materials Today</i> , 2018, 21, 303-314.	8.3	326
1274	In-situ monitoring reversible redox reaction and circulating detection of nitrite via an ultrasensitive magnetic Au@Ag SERS substrate. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 107-116.	4.0	25
1275	Promoting Intra- and Intermolecular Interactions in Surface-Enhanced Raman Scattering. <i>Analytical Chemistry</i> , 2018, 90, 128-143.	3.2	57
1276	Facing Challenges in Real-Life Application of Surface-Enhanced Raman Scattering: Design and Nanofabrication of Surface-Enhanced Raman Scattering Substrates for Rapid Field Test of Food Contaminants. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 6525-6543.	2.4	99
1277	Silver nanoparticle deposition on inverse opal SiO <sub>2</sub> films embedded in protective polypropylene micropits for SERS applications. <i>Journal of Micromechanics and Microengineering</i> , 2018, 28, 015009.	1.5	5
1278	Photon upconversion in organic nanoparticles and subsequent amplification by plasmonic silver nanowires. <i>Nanoscale</i> , 2018, 10, 985-991.	2.8	13
1279	Excitation wavelength dependent photon anti-bunching/bunching from single quantum dots near gold nanostructures. <i>Nanoscale</i> , 2018, 10, 1038-1046.	2.8	16
1280	Semiconductor quantum dot super-emitters: spontaneous emission enhancement combined with suppression of defect environment using metal-oxide plasmonic metafilms. <i>Nanotechnology</i> , 2018, 29, 015402.	1.3	8
1281	Formation and implantation of gold nanoparticles by ArF-excimer laser irradiation of gold-coated float glass. <i>Journal of Alloys and Compounds</i> , 2018, 736, 152-162.	2.8	14
1282	Increasing the optical absorption in a-Si thin films by embedding gold nanoparticles. <i>Optical Materials</i> , 2018, 75, 204-210.	1.7	28
1283	Passively Q-Switched Nd:YVO <sub>4</sub> Laser Using a Gold Nanotriangle Saturable Absorber. <i>Chinese Physics Letters</i> , 2018, 35, 064202.	1.3	1
1284	Optical Conduction Resonance in Self-Assembled Metal Nanoparticle Array-Dielectric Thin Films. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-9.	1.5	0
1285	Hybrid AgNPs/MEH-PPV nanocomplexes with enhanced optical absorption and photoluminescence properties. <i>New Journal of Chemistry</i> , 2018, 42, 18991-18999.	1.4	6

#	ARTICLE	IF	CITATIONS
1286	Evaluation of 3D gold nanodendrite layers obtained by templated galvanic displacement reactions for SERS sensing and heterogeneous catalysis. <i>Nanoscale</i> , 2018, 10, 20671-20680.	2.8	14
1287	Reliable and quantitative SERS detection of dopamine levels in human blood plasma using a plasmonic Au/Ag nanocluster substrate. <i>Nanoscale</i> , 2018, 10, 22493-22503.	2.8	57
1288	Coupling configurations between extended surface electromagnetic waves and localized surface plasmons for ultrahigh field enhancement. <i>Nanophotonics</i> , 2018, 7, 1891-1916.	2.9	74
1289	Optical and Photoacoustic Properties of Colloidal Silver Nanoparticles Solutions. <i>Journal of Materials Science Research</i> , 2018, 7, 1.	0.1	3
1291	Gold nanoflowers as efficient hosts for SERS based sensing and bio-imaging. <i>Nano Structures Nano Objects</i> , 2018, 16, 329-336.	1.9	31
1292	Picoanalysis of Drugs in Biofluids with Quantitative Label-Free Surface-Enhanced Raman Spectroscopy. <i>Small</i> , 2018, 14, e1802392.	5.2	29
1293	Patterning Nanogaps: Spatial Control of the Distribution of Nanogaps between Gold Nanoparticles and Gold Substrates. <i>Journal of Physical Chemistry C</i> , 2018, 122, 26047-26053.	1.5	6
1294	Effect of Plasmon Coupling on Quantum Efficiencies of Plasmon-Induced Charge Separation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 26153-26159.	1.5	12
1295	Catalytic conversion of solar to chemical energy on plasmonic metal nanostructures. <i>Nature Catalysis</i> , 2018, 1, 656-665.	16.1	582
1296	Active optical antennas driven by inelastic electron tunneling. <i>Nanophotonics</i> , 2018, 7, 1503-1516.	2.9	15
1297	Transformation optics approach to singular metasurfaces. <i>Physical Review B</i> , 2018, 98, .	1.1	21
1298	Trace Analysis and Reaction Monitoring by Nanophotonic Ionization Mass Spectrometry from Elevated Bowtie and Silicon Nanopost Arrays. <i>Advanced Functional Materials</i> , 2018, 28, 1801730.	7.8	31
1299	Efficient Circular Polarizer Using a Two-Layer Nanoparticle Dimer Array with Designed Chirality. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12428-12433.	1.5	5
1300	Artificial Plasmonic Molecules and Their Interaction with Real Molecules. <i>Chemical Reviews</i> , 2018, 118, 5539-5580.	23.0	80
1301	Morphology dependent near-field response in atomistic plasmonic nanocavities. <i>Nanoscale</i> , 2018, 10, 11410-11417.	2.8	34
1302	Surfactant-Free Synthesis of Graphene Oxide Coated Silver Nanoparticles for SERS Biosensing and Intracellular Drug Delivery. <i>ACS Applied Nano Materials</i> , 2018, 1, 2748-2753.	2.4	71
1303	Omnidispersible Hedgehog Particles with Multilayer Coatings for Multiplexed Biosensing. <i>Journal of the American Chemical Society</i> , 2018, 140, 7835-7845.	6.6	37
1304	Dipyramidal-Au@SiO <sub>2</sub> nanostructures: New efficient electromagnetic nanoresonators for Raman spectroscopy analysis of surfaces. <i>Applied Surface Science</i> , 2018, 456, 932-940.	3.1	22

#	ARTICLE	IF	CITATIONS
1305	Electrochromic-Tuned Plasmonics for Photothermal Sterile Window. ACS Nano, 2018, 12, 6895-6903.	7.3	76
1306	An ellipsometric analysis to model the order-disorder transition in Au-SiO <sub>2</sub> nano-granular thin films induced by thermal annealing. Thin Solid Films, 2018, 660, 455-462.	0.8	3
1307	Optical properties of bimetallic compositional heterodimers. Physical Chemistry Chemical Physics, 2018, 20, 19017-19022.	1.3	1
1308	Molecular Detection and Analysis of Exosomes Using Surface-Enhanced Raman Scattering Gold Nanorods and a Miniaturized Device. Theranostics, 2018, 8, 2722-2738.	4.6	173
1309	The Pros and Cons of the Use of Laser Ablation Synthesis for the Production of Silver Nano-Antimicrobials. Antibiotics, 2018, 7, 67.	1.5	115
1310	Optical properties of plasmonic core-shell nanomatryoshkas: a quantum hydrodynamic analysis. Optics Express, 2018, 26, 17322.	1.7	15
1311	External-Stimuli-Assisted Control over Assemblies of Plasmonic Metals. Materials, 2018, 11, 794.	1.3	11
1312	Quantitative Comparison of Protein Adsorption and Conformational Changes on Dielectric-Coated Nanoplasmonic Sensing Arrays. Sensors, 2018, 18, 1283.	2.1	19
1313	Silver Nanoparticles: Synthetic Routes, In Vitro Toxicity and Theranostic Applications for Cancer Disease. Nanomaterials, 2018, 8, 319.	1.9	144
1314	Thermal Effect on Plasmon-induced Electron Transfer System under Intense Pulsed Laser Illumination. Chemistry Letters, 2018, 47, 953-955.	0.7	2
1315	Tailoring Electromagnetic Hot Spots toward Visible Frequencies in Ultra-Narrow Gap Al/Al <sub>2</sub> O <sub>3</sub> Bowtie Nanoantennas. ACS Photonics, 2018, 5, 3399-3407.	3.2	20
1316	Gold Nanoparticle Plasmonic Superlattices as Surface-Enhanced Raman Spectroscopy Substrates. ACS Nano, 2018, 12, 8531-8539.	7.3	239
1317	Watching Visible Light-Driven CO <sub>2</sub> Reduction on a Plasmonic Nanoparticle Catalyst. ACS Nano, 2018, 12, 8330-8340.	7.3	148
1318	Reduced Charge-Transfer Threshold in Dye-Sensitized Solar Cells with an Au@Ag/N <sub>3</sub> -TiO <sub>2</sub> Structure As Revealed by Surface-Enhanced Raman Scattering. Journal of Physical Chemistry C, 2018, 122, 12748-12760.	1.5	13
1319	Design Principles for Directing Energy and Energetic Charge Flow in Multicomponent Plasmonic Nanostructures. ACS Energy Letters, 2018, 3, 1590-1596.	8.8	114
1320	Synthesis and light-induced aggregation of benzoate-stabilized silver nanoparticles. Applied Nanoscience (Switzerland), 2019, 9, 709-714.	1.6	4
1321	Optical Response Tuning of Compositional Heterodimers: a TDDFT Study. Plasmonics, 2019, 14, 539-545.	1.8	0
1322	Chalcogenide "gold dual-layers coupled to gold nanoparticles for reconfigurable perfect absorption. Nanoscale, 2019, 11, 20546-20553.	2.8	15

#	ARTICLE	IF	CITATIONS
1323	Well-ordered self-assembled plasmonic dimers for surface-enhanced Raman scattering. <i>Materials Today Communications</i> , 2019, 20, 100593.	0.9	0
1324	Optimization of microwave-assisted synthesis of silver nanoparticle by <i>Citrus paradisi</i> peel and its application against pathogenic water strain. <i>Green Chemistry Letters and Reviews</i> , 2019, 12, 225-234.	2.1	30
1325	Metal-Organic Framework-Based Composite for Photocatalytic Detection of Prevalent Pollutant. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 31049-31059.	4.0	12
1326	Probing Subnanometric-Scale Hotspots in Metallic Interfaces. <i>Plasmonics</i> , 2019, 14, 2031-2043.	1.8	2
1327	Fundamentals and applications of photocatalytic CO <sub>2</sub> methanation. <i>Nature Communications</i> , 2019, 10, 3169.	5.8	304
1328	Optical detection of CO gas by the surface-plasmon resonance of Ag nanoparticles and nanoclusters synthesized on a hydrogenated amorphous carbon (a-C:H) film. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	4
1329	Scanning probe microscopy for real-space observations of local chemical reactions induced by a localized surface plasmon. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 19720-19731.	1.3	12
1330	Multiresonant plasmonics with spatial mode overlap: overview and outlook. <i>Nanophotonics</i> , 2019, 8, 1199-1225.	2.9	35
1331	A Quantum Chemistry Approach Based on the Analogy with $\dot{\epsilon}$ -System in Polymers for a Rapid Estimation of the Resonance Wavelength of Nanoparticle Systems. <i>Nanomaterials</i> , 2019, 9, 929.	1.9	10
1332	Dynamics of piezoelectric micro-machined ultrasonic transducers for contact and non-contact resonant sensors. <i>Journal of Applied Physics</i> , 2019, 126, .	1.1	4
1333	Optoplasmonics: basic principles and applications. <i>Journal of Optics (United Kingdom)</i> , 2019, 21, 113001.	1.0	30
1334	Configuration-Modulated Hot Electron Dynamics of Gold Nanorod Assemblies. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6578-6583.	2.1	5
1335	Tunable and large plasmonic field enhancement in core-shell heterodimer/trimer. <i>Journal of Electromagnetic Waves and Applications</i> , 2019, 33, 2423-2433.	1.0	5
1336	Concentric microring structures containing gold nanoparticles for SERS-based applications. <i>Applied Surface Science</i> , 2019, 497, 143752.	3.1	19
1337	Nonlocal and Size-Dependent Dielectric Function for Plasmonic Nanoparticles. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3083.	1.3	3
1338	Determination of Molecular Orientation in Bi-analyte Mono-molecule Layer through Electrochemical Surface-enhanced Raman Scattering Measurements. <i>Chemistry Letters</i> , 2019, 48, 820-823.	0.7	9
1339	Lightning-Rod Effect of Plasmonic Field Enhancement on Hydrogen-Absorbing Transition Metals. <i>Nanomaterials</i> , 2019, 9, 1235.	1.9	27
1340	Pulsed laser synthesis of highly active Ag-Rh and Ag-Pt antenna-reactor-type plasmonic catalysts. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 1958-1963.	1.5	4

#	ARTICLE	IF	CITATIONS
1341	Nonzero Wavevector Excitation of Graphene by Localized Surface Plasmons. Nano Letters, 2019, 19, 7887-7894.	4.5	19
1342	Unearthing the factors governing site specific rates of electronic excitations in multicomponent plasmonic systems and catalysts. Faraday Discussions, 2019, 214, 441-453.	1.6	24
1343	Probing the in-Plane Near-Field Enhancement Limit in a Plasmonic Particle-on-Film Nanocavity with Surface-Enhanced Raman Spectroscopy of Graphene. ACS Nano, 2019, 13, 7644-7654.	7.3	54
1344	Introduction to nanomaterials: synthesis and applications. , 2019, , 75-95.		50
1345	Physicochemical Trapping of Neurotransmitters in Polymer-Mediated Gold Nanoparticle Aggregates for Surface-Enhanced Raman Spectroscopy. Analytical Chemistry, 2019, 91, 9554-9562.	3.2	26
1346	Enhancement of Raman signal from analytes on ultrathin Au and AuCu alloy nanowire network substrates. Materials Research Express, 2019, 6, 085068.	0.8	4
1347	Fabrication and Surface-Enhanced Raman Scattering Activities of Cross-Linked Polyvinyl Alcohol/Ag Nanofibers. Key Engineering Materials, 0, 801, 139-144.	0.4	1
1348	Hierarchical Assembly of Plasmonic Nanoparticle Heterodimer Arrays with Tunable Sub-5 nm Nanogaps. Nano Letters, 2019, 19, 4314-4320.	4.5	30
1349	Molecular behaviors in thin film lubrication—Part two: Direct observation of the molecular orientation near the solid surface. Friction, 2019, 7, 479-488.	3.4	30
1350	Optically accessible memristive devices. Nanophotonics, 2019, 8, 1579-1589.	2.9	15
1351	Hybrid metal nanoantenna 2D-material photovoltaic device. Solar Energy Materials and Solar Cells, 2019, 200, 109918.	3.0	9
1352	Nonlocal effects in singular plasmonic metasurfaces. Physical Review B, 2019, 99, .	1.1	11
1354	Theoretical investigation of size, shape, and aspect ratio effect on the LSPR sensitivity of hollow-gold nanoshells. Journal of Chemical Physics, 2019, 150, 144116.	1.2	64
1355	Enhancement of extraordinary optical transmission and sensing performance through coupling between metal nanohole and nanoparticle arrays. Journal Physics D: Applied Physics, 2019, 52, 275201.	1.3	18
1356	Evidence of Spatially Inhomogeneous Electron Temperature in a Resonantly Excited Array of Bow-Tie Nanoantennas. Journal of Physical Chemistry C, 2019, 123, 12429-12436.	1.5	10
1357	Optical resonance coupling in compositionally different nanocube—nanosphere heterodimers. New Journal of Chemistry, 2019, 43, 6959-6964.	1.4	1
1358	Using a Neural Network to Improve the Optical Absorption in Halide Perovskite Layers Containing Core-Shells Silver Nanoparticles. Nanomaterials, 2019, 9, 437.	1.9	19
1359	Nanomaterials for molecular sensing. , 2019, , 413-487.		5



#	ARTICLE	IF	CITATIONS
1360	Spatially defined molecular emitters coupled to plasmonic nanoparticle arrays. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5925-5930.	3.3	24
1361	Enhanced visible emission in Eu <sup>3+</sup> doped glass containing Ag-clusters, Ag nanoparticles, and ZnO nanocrystals. Journal of Alloys and Compounds, 2019, 793, 410-417.	2.8	12
1362	Extreme nanophotonics from ultrathin metallic gaps. Nature Materials, 2019, 18, 668-678.	13.3	488
1363	Dynamic and plasmonic response exhibited by Au nanoparticles suspended in blood plasma and cerebrospinal fluids. Journal of Molecular Liquids, 2019, 281, 1-8.	2.3	4
1364	Near-field and far-field optical properties of magnetic plasmonic core-shell nanoparticles with non-spherical shapes: A discrete dipole approximation study. AIP Advances, 2019, 9, 025021.	0.6	8
1365	Functional Metal-oxide Plasmonic Metastructures: Ultrabright Semiconductor Quantum Dots with Polarized Spontaneous Emission and Suppressed Auger Recombination. Physical Review Applied, 2019, 11, .	1.5	14
1366	Photocatalytic Reversible Reactions Driven by Localized Surface Plasmon Resonance. Catalysts, 2019, 9, 193.	1.6	9
1367	Understanding plasmonic catalysis with controlled nanomaterials based on catalytic and plasmonic metals. Current Opinion in Colloid and Interface Science, 2019, 39, 110-122.	3.4	62
1368	Reticular plasmon resonance detection properties of metal nanoparticles. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 110, 107-114.	1.3	9
1369	Surface plasmon-enhanced luminescence of NaYFPO <sub>4</sub> :Dy <sup>3+</sup> phosphor by Ag nanoparticles. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	0
1370	Graphene oxide and gold nanoparticle based dual platform with short DNA probe for the PCR free DNA biosensing using surface-enhanced Raman scattering. Biosensors and Bioelectronics, 2019, 131, 214-223.	5.3	64
1371	Asymmetric Deposition of Platinum Atoms on Gold Nanorods Reduced the Plasmon Field Distortion Induced by the Substrate. Journal of Physical Chemistry C, 2019, 123, 30509-30518.	1.5	3
1372	Coupled Plasmon Modes in 2D Gold Nanoparticle Clusters and Their Effect on Local Temperature Control. Journal of Physical Chemistry C, 2019, 123, 30594-30603.	1.5	38
1374	Gold Nanofilm-Coated Porous Silicon as Surface-Enhanced Raman Scattering Substrate. Applied Sciences (Switzerland), 2019, 9, 4806.	1.3	14
1375	Effect of laser radiation on the gamma activity of aqueous salt solutions containing <sup>152</sup> Eu. Quantum Electronics, 2019, 49, 784-787.	0.3	1
1376	Pedestal Doped Waveguides for Infrared Light Amplification. , 2019, , 303-326.		1
1377	Tm <sup>3+</sup> doped Bi <sub>2</sub> O <sub>3</sub> -GeO <sub>2</sub> glasses with silver nanoparticles for optical amplifiers in the short-wave-infrared-region. Journal of Alloys and Compounds, 2019, 772, 58-63.	2.8	38
1378	Metal-Dielectric Nanocomposites Based on Germanate and Tellurite Glasses. , 2019, , 3-18.		2

#	ARTICLE	IF	CITATIONS
1379	Photoconductance of gold nano-island film induced by plasmonic effect. <i>Optik</i> , 2019, 181, 140-145.	1.4	3
1380	Nanosensors for Environmental Analysis Based on Plasmonic Nanoparticles. <i>Environmental Chemistry for A Sustainable World</i> , 2019, , 255-287.	0.3	1
1381	A Low-Cost Stable SERS Substrate Based on Modified Silicon Nanowires. <i>Plasmonics</i> , 2019, 14, 869-874.	1.8	3
1382	A high-resolution study of in situ surface-enhanced Raman scattering nanotag behavior in biological systems. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 536-546.	5.0	20
1383	Impact of electromagnetic fields on in vitro toxicity of silver and graphene nanoparticles. <i>Electromagnetic Biology and Medicine</i> , 2019, 38, 21-31.	0.7	13
1384	Environmental Nanotechnology. <i>Environmental Chemistry for A Sustainable World</i> , 2019, , .	0.3	5
1385	Dewetted nanostructures of gold, silver, copper, and palladium with enhanced faceting. <i>Acta Materialia</i> , 2019, 165, 15-25.	3.8	23
1386	Seedless synthesis of silver nanoparticles using sunlight and study of the effect of different ratios of precursors. <i>Materials Research Express</i> , 2019, 6, 045067.	0.8	4
1387	Near-field energy transfer between nanoparticles modulated by coupled multipolar modes. <i>Physical Review B</i> , 2019, 99, .	1.1	19
1388	Dynamic Plasmonic Platform To Investigate the Correlation between Far-Field Optical Response and SERS Signal of Analytes. <i>ACS Omega</i> , 2019, 4, 1144-1150.	1.6	20
1389	From active plasmonic devices to plasmonic molecular electronics. <i>Polymer International</i> , 2019, 68, 607-619.	1.6	16
1390	Surface plasmon amplification in refractory transition metal nitrides based nanoparticle dimers. <i>Optics Communications</i> , 2019, 433, 89-96.	1.0	23
1391	A facile and sensitive SERS-based biosensor for colorimetric detection of acetamiprid in green tea based on unmodified gold nanoparticles. <i>Journal of Food Measurement and Characterization</i> , 2019, 13, 259-268.	1.6	49
1392	Preparation and characterization of gold nanoparticles prepared with aqueous extracts of Lamiaceae plants and the effect of follow-up treatment with atmospheric pressure glow microdischarge. <i>Arabian Journal of Chemistry</i> , 2019, 12, 4118-4130.	2.3	54
1393	Comparison of the characteristics of gold nanoparticles synthesized using aqueous plant extracts and natural plant essential oils of <i>Eucalyptus globulus</i> and <i>Rosmarinus officinalis</i> . <i>Arabian Journal of Chemistry</i> , 2019, 12, 4795-4805.	2.3	40
1394	Nanoparticle Dynamics in Oxide-Based Memristive Devices. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 1900587.	0.8	3
1395	Silver nanocubes with high SERS performance. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 240, 106682.	1.1	18
1396	Star-shaped plasmonic nanostructures: New, simply synthesized materials for Raman analysis of surfaces. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 225, 117469.	2.0	17

#	ARTICLE	IF	CITATIONS
1397	Present and Future of Surface-Enhanced Raman Scattering. ACS Nano, 2020, 14, 28-117.	7.3	2,153
1398	Synthesis of the hybrid CdS/Au flower-like nanomaterials and their SERS application. Sensors and Actuators B: Chemical, 2020, 304, 127218.	4.0	24
1399	Determination of inclusion depth in ex vivo animal tissues using surface enhanced deep Raman spectroscopy. Journal of Biophotonics, 2020, 13, e201960092.	1.1	22
1400	Synergetic effect of silver nanoplate and magnetic field on photon upconversion based on sensitized triplet-triplet annihilation in polymer system. Japanese Journal of Applied Physics, 2020, 59, SDDB04.	0.8	3
1401	Recyclable substrates based on graphene oxide/gold nanorod composites for efficient surface enhanced Raman scattering. New Journal of Chemistry, 2020, 44, 704-708.	1.4	9
1402	Surface-Enhanced Absorption Spectroscopy for Optical Fiber Sensing. Materials, 2020, 13, 34.	1.3	5
1403	Dual platform based sandwich assay surface-enhanced Raman scattering DNA biosensor for the sensitive detection of food adulteration. Analyst, The, 2020, 145, 1414-1426.	1.7	21
1404	Surface enhanced Raman scattering substrate for the detection of explosives: Construction strategy and dimensional effect. Journal of Hazardous Materials, 2020, 387, 121714.	6.5	56
1405	Plasmonic nanoparticles for environmental analysis. Environmental Chemistry Letters, 2020, 18, 529-542.	8.3	33
1406	Colloidal Plasmonics for Active Nanophotonics. Proceedings of the IEEE, 2020, 108, 704-720.	16.4	24
1407	Theoretical Investigation of Plasmonic Properties of Quantum-Sized Silver Nanoparticles. Plasmonics, 2020, 15, 783-795.	1.8	19
1408	Low-cost visible-light photosynthesis of water and adsorbed carbon dioxide into long-chain hydrocarbons. Chemical Physics Letters, 2020, 739, 136985.	1.2	8
1409	Development and application of photoconversion fluoropolymer films for greenhouses located at high or polar latitudes. Journal of Photochemistry and Photobiology B: Biology, 2020, 213, 112056.	1.7	26
1410	Photoluminescence enhancement of perovskites nanocomposites using ion implanted silver nanoparticles. Chemical Physics Letters, 2020, 760, 137995.	1.2	5
1411	Switching a Plasmon-Driven Reaction Mechanism from Charge Transfer to Adsorbate Electronic Excitation Using Surface Ligands. Journal of Physical Chemistry C, 2020, 124, 22711-22720.	1.5	14
1412	Synthesis of Uniformly Sized Mesoporous Silver Films and Their SERS Application. Journal of Physical Chemistry C, 2020, 124, 23730-23737.	1.5	47
1413	Double resonant plasmonic lattices for Raman studies. Nanoscale, 2020, 12, 23166-23172.	2.8	5
1414	Remarkable SERS Detection by Hybrid Cu <sub>2</sub> O/Ag Nanospheres. ACS Omega, 2020, 5, 17703-17714.	1.6	31

#	ARTICLE	IF	CITATIONS
1415	Genotoxic and Cytotoxic Activities of Lantadene A-Loaded Gold Nanoparticles (LA-AuNPS) in MCF-7 Cell Line: An <i>in vitro</i> Assessment. <i>International Journal of Toxicology</i> , 2020, 39, 422-432.	0.6	7
1416	Optical and Electrical Properties of Organic Semiconductor Thin Films on Aperiodic Plasmonic Metasurfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 35579-35587.	4.0	8
1417	High-Speed Fluctuations in Surface-Enhanced Raman Scattering Intensities from Various Nanostructures. <i>Applied Spectroscopy</i> , 2020, 74, 1398-1406.	1.2	9
1418	Tip-enhanced Raman spectroscopy for nanoscale probing of dynamic chemical systems. <i>Journal of Chemical Physics</i> , 2020, 153, 170901.	1.2	18
1419	Cascade domino lithography for extreme photon squeezing. <i>Materials Today</i> , 2020, 39, 89-97.	8.3	29
1420	Recent Advances in Plasmon-Promoted Organic Transformations Using Silver-Based Catalysts. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 54266-54284.	4.0	49
1421	Plasmonic Assemblies for Real-Time Single-Molecule Biosensing. <i>Small</i> , 2020, 16, e2003934.	5.2	26
1422	Surface Enhanced Raman Scattering on Regular Arrays of Gold Nanostructures: Impact of Long-Range Interactions and the Surrounding Medium. <i>Nanomaterials</i> , 2020, 10, 2201.	1.9	10
1423	Light-Induced Voltages in Catalysis by Plasmonic Nanostructures. <i>Accounts of Chemical Research</i> , 2020, 53, 1773-1781.	7.6	56
1424	Surface-enhanced ultrafast two-dimensional vibrational spectroscopy with engineered plasmonic nano-antennas. <i>Journal of Chemical Physics</i> , 2020, 153, 050902.	1.2	13
1425	Immobilised Gold Nanostructures on Printing Paper for Label-Free Surface-enhanced Raman Spectroscopy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 871, 012019.	0.3	4
1426	Multi-mode plasma resonator based on multi metal-coated nanorods. <i>European Physical Journal D</i> , 2020, 74, 1.	0.6	1
1427	Photomodulated Spatially Confined Chemical Reactivity in a Single Silver Nanoprism. <i>ACS Nano</i> , 2020, 14, 11100-11109.	7.3	21
1428	Surface-enhanced Raman scattering as a probe for exotic electronic excitations induced by localized surface plasmons. <i>Current Opinion in Electrochemistry</i> , 2020, 22, 186-194.	2.5	10
1429	An Image-based Method to Predict Surface Enhanced Raman Spectroscopy Sensor Quality. , 2020, , .		0
1430	Production of SERS Substrates Using Ablated Copper Surfaces and Gold/Silver Nanoparticles Prepared by Laser Ablation in Liquids. <i>Journal of Electronic Materials</i> , 2020, 49, 6232-6239.	1.0	4
1431	Surface-enhanced Raman spectroscopy for chemical and biological sensing using nanoplasmonics: The relevance of interparticle spacing and surface morphology. <i>Applied Physics Reviews</i> , 2020, 7, .	5.5	82
1432	Manipulating the photonic Hall effect with hybrid Mie-exciton resonances. <i>Physical Review B</i> , 2020, 102, .	1.1	7

#	ARTICLE	IF	CITATIONS
1433	Strongly coupled evenly divided disks: a new compact and tunable platform for plasmonic Fano resonances. <i>Nanotechnology</i> , 2020, 31, 325202.	1.3	2
1434	Plasmonic nanocatalysis for solar energy harvesting and sustainable chemistry. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10074-10095.	5.2	37
1435	Reawakening of plasmonic nanocomposites with the polarizonic reflective coloration: from metal to molecules. <i>Frontiers of Nanoscience</i> , 2020, , 185-214.	0.3	1
1436	Super-resolution Surface-Enhanced Raman Scattering Imaging of Single Particles in Cells. <i>Analytical Chemistry</i> , 2020, 92, 9389-9398.	3.2	29
1437	Silver Double Nanorings with Circular Hot Zone. <i>Journal of the American Chemical Society</i> , 2020, 142, 12341-12348.	6.6	31
1438	Synthesis and In-Depth Study of the Mechanism of Silver Nanoplate and Nanodecahedra Growth by LED Irradiation for SERS Application. <i>Journal of Electronic Materials</i> , 2020, 49, 5009-5027.	1.0	8
1439	Synthesis of mycogenic zinc oxide nanoparticles and preliminary determination of its efficacy as a larvicide against white grubs ( <i>Holotrichia</i> sp.). <i>International Nano Letters</i> , 2020, 10, 131-139.	2.3	35
1440	Immobilization of Cubic Silver Plasmonic Nanoparticles on TiO <sub>2</sub> Nanotubes, Reducing the Coffee Ring Effect in Surface-Enhanced Raman Spectroscopy Applications. <i>ACS Omega</i> , 2020, 5, 13963-13972.	1.6	14
1441	Colloidal stability of silver nanoparticles with layer-by-layer shell of chitosan copolymers. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	0.8	4
1442	Further enhancement of the near-field on Au nanogap dimers using quasi-dark plasmon modes. <i>Journal of Chemical Physics</i> , 2020, 152, 104706.	1.2	21
1443	Spatio-Spectral Characterization of Multipolar Plasmonic Modes of Au Nanorods via Tip-Enhanced Raman Scattering. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2870-2874.	2.1	18
1444	Highly localized characterization of protein structure and interaction by surface-enhanced Raman scattering. , 2020, , 529-551.		0
1445	Plasmonic Switching: Hole Transfer Opens an Electron-Transfer Channel in Plasmon-Driven Reactions. <i>Journal of Physical Chemistry C</i> , 2020, 124, 15879-15885.	1.5	15
1446	Insights into plasmon induced keto $\rightleftharpoons$ enol isomerization. <i>Nanoscale</i> , 2020, 12, 4334-4340.	2.8	3
1447	Improving nanoscale terahertz field localization by means of sharply tapered resonant nanoantennas. <i>Nanophotonics</i> , 2020, 9, 683-690.	2.9	6
1448	Modified plasmonic response of dimer nanoantennas with nonlocal effects: From near-field enhancement to optical force. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 245, 106878.	1.1	9
1449	The chemical effect goes resonant $\hat{=}$ a full quantum mechanical approach on TERS. <i>Nanoscale</i> , 2020, 12, 6346-6359.	2.8	29
1450	Plasmon-Assisted Crystalline Silicon Solar Cell with TiO <sub>2</sub> as Anti-Reflective Coating. <i>Plasmonics</i> , 2020, 15, 1091-1101.	1.8	8

#	ARTICLE	IF	CITATIONS
1451	Tip-Enhanced Raman Nanospectroscopy of Smooth Spherical Gold Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1795-1801.	2.1	25
1452	Ultrahigh Brightening of Infrared PbS Quantum Dots via Collective Energy Transfer Induced by a Metal-Oxide Plasmonic Metastructure. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 11913-11921.	4.0	10
1453	Tuning Plasmonic Coupling from Capacitive to Conductive Regimes via Atomic Control of Dielectric Spacing. <i>ACS Photonics</i> , 2020, 7, 622-629.	3.2	16
1454	Statistical Analysis of Surface-Enhanced Raman Scattering Enhancement Distributions. <i>Journal of Physical Chemistry C</i> , 2020, 124, 6811-6821.	1.5	7
1455	Interferometric spectroscopy and high-speed orientation detection of individual gold nanorods. <i>Nanoscale</i> , 2020, 12, 2613-2625.	2.8	2
1456	High-performance natural-sunlight-driven Ag/AgCl photocatalysts with a cube-like morphology and blunt edges via a bola-type surfactant-assisted synthesis. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3940-3952.	1.3	17
1457	Compartmentalization of gold nanoparticle clusters in hollow silica spheres and their assembly induced by an external electric field. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 202-210.	5.0	15
1458	The improved performance of BHJ organic solar cells by random dispersed metal nanoparticles through the active layer. <i>Current Applied Physics</i> , 2020, 20, 531-537.	1.1	10
1459	Highly sensitive pressure and temperature induced SPP resonance shift at gold nanohole arrays. <i>Journal of Chemical Physics</i> , 2020, 152, 024705.	1.2	3
1460	Gold nanostars as a colloidal substrate for in-solution SERS measurements using a handheld Raman spectrometer. <i>Analyst</i> , 2020, 145, 1396-1407.	1.7	28
1461	Ultra-fine electrochemical tuning of hybridized plasmon modes for ultimate light confinement. <i>Nanoscale</i> , 2020, 12, 11593-11600.	2.8	3
1462	Multipolar Resonances of Ag Nanoparticle Arrays in Anodic Aluminum Oxide Nanochannels for Enhanced Hot Spot Intensity and Signal-to-Background Ratio in Surface-Enhanced Raman Scattering. <i>ACS Applied Nano Materials</i> , 2020, 3, 4477-4485.	2.4	7
1463	Plasmonic Hot-Electron-Induced Control of Emission Intensity and Dynamics of Visible and Infrared Semiconductor Quantum Dots. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901998.	1.9	4
1464	Electrochemical preparation system for unique mesoporous hemisphere gold nanoparticles using block copolymer micelles. <i>RSC Advances</i> , 2020, 10, 8309-8313.	1.7	17
1465	Fabrication and Applications of 3D Nanoarchitectures for Advanced Electrocatalysts and Sensors. <i>Advanced Materials</i> , 2020, 32, e1907500.	11.1	17
1466	Aggregation-Induced Plasmon Coupling-Enhanced One- and Two-Photon Excitation Fluorescence by Silver Nanoparticles. <i>Langmuir</i> , 2020, 36, 4721-4727.	1.6	10
1467	Exploration of molecular behaviors in liquid superlubricity. , 2021, , 475-498.		0
1468	Surface-enhanced Raman scattering probe for molecules strongly coupled with localized surface plasmon under electrochemical potential control. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 431-438.	1.2	9

#	ARTICLE	IF	CITATIONS
1469	Static and ultrafast optical response of two metal nanoparticles glued with a semiconductor quantum dot. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2021, 43, 100869.	1.0	1
1470	Accurate SERS monitoring of the plasmon mediated UV/visible/NIR photocatalytic and photothermal catalytic process involving Ag@carbon dots. <i>Nanoscale</i> , 2021, 13, 1006-1015.	2.8	20
1471	Theoretical investigation of optical properties of embedded plasmonic nanoparticles. <i>Chemical Physics</i> , 2021, 541, 111044.	0.9	10
1472	Spontaneous versus Stimulated Surface-Enhanced Raman Scattering of Liquid Water. <i>Journal of Physical Chemistry C</i> , 2021, 125, 1999-2004.	1.5	9
1473	Detection of Mycotoxins in Food Using Surface-Enhanced Raman Spectroscopy: A Review. <i>ACS Applied Bio Materials</i> , 2021, 4, 295-310.	2.3	25
1474	Hotspot generation for unique identification with nanomaterials. <i>Scientific Reports</i> , 2021, 11, 1528.	1.6	4
1475	Photo-assembly of plasmonic nanoparticles: methods and applications. <i>RSC Advances</i> , 2021, 11, 2575-2595.	1.7	7
1476	Correlation of optical sensing with extinction coefficient and local field enhancement in gold nanosphere dimer. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2021, 70, 097301.	0.2	0
1477	Spatial distribution of active sites for plasmon-induced chemical reactions triggered by well-defined plasmon modes. <i>Nanoscale</i> , 2021, 13, 1784-1790.	2.8	4
1478	Preparation of silver-decorated Soluplus® nanoparticles and antibacterial activity towards <i>S. epidermidis</i> biofilms as characterized by STEM-CL spectroscopy. <i>Materials Science and Engineering C</i> , 2021, 121, 111718.	3.8	7
1479	Insights on the Coupling of Plasmonic Nanoparticles from Near-Field Spectra Determined via Discrete Dipole Approximations. <i>Journal of Physical Chemistry C</i> , 2021, 125, 5260-5268.	1.5	6
1480	Spatially offset Raman spectroscopy. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	11.8	80
1482	Ultra-High-Speed Dynamics in Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2021, 125, 7523-7532.	1.5	11
1483	MATLAB package for discrete dipole approximation by graphics processing unit: Fast Fourier Transform and Biconjugate Gradient. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021, 262, 107501.	1.1	6
1484	Coupled-Dipole Modeling and Experimental Characterization of Geometry-Dependent Trochoidal Dichroism in Nanorod Trimers. <i>ACS Photonics</i> , 2021, 8, 1159-1168.	3.2	2
1485	Virtual probe stimulated tip-enhanced Raman spectroscopy: The extreme field enhancement in virtual-real probe dimer. <i>Journal of Applied Physics</i> , 2021, 129, 133104.	1.1	2
1486	Plasmonic Coupling Architectures for Enhanced Photocatalysis. <i>Advanced Materials</i> , 2021, 33, e2005738.	11.1	51
1487	Direct imaging of fluorescence enhancement in the gap between two gold nanodisks. <i>Applied Physics Letters</i> , 2021, 118, 161105.	1.5	0



#	ARTICLE	IF	CITATIONS
1488	Plasmonic Optical Tweezers for Particle Manipulation: Principles, Methods, and Applications. ACS Nano, 2021, 15, 6105-6128.	7.3	67
1489	Multilayered L-shaped nanoantenna arrays with an increased electric field enhancement. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 1604.	0.9	3
1490	Annealed plasmonic Ag nanoparticle films for surface enhanced fluorescence substrate. Materials Today: Proceedings, 2021, 47, 3492-3492.	0.9	1
1491	Immobilization of Silver Nanoparticles on the Surface of Cellulose Nanofibers Using High-Pressure Wet-Type Jet Mill. Zairyo/Journal of the Society of Materials Science, Japan, 2021, 70, 400-405.	0.1	3
1492	Surface-enhanced Raman scattering of water in aqueous dispersions of silver nanoparticles. Beilstein Journal of Nanotechnology, 2021, 12, 497-506.	1.5	3
1493	Excitation Conditions for Surface-Enhanced Hyper Raman Scattering With Biocompatible Gold Nanosubstrates. Frontiers in Chemistry, 2021, 9, 680905.	1.8	2
1494	Dichroic Plasmonic Films Based on Anisotropic Au Nanoparticles for Enhanced Sensitivity and Figure of Merit Sensing. Journal of Physical Chemistry C, 2021, 125, 11799-11812.	1.5	1
1495	Research on magnetic couple characteristics based on metallic spiral structures. , 2021, , .		0
1496	Semiconductor Bow-tie Nanoantenna from Coupled Colloidal Quantum Dot Molecules. Angewandte Chemie, 2021, 133, 14588-14593.	1.6	1
1497	Construction of insulin-like growth factor nanocomposite biosensor by Raman spectroscopy. Vibrational Spectroscopy, 2021, 114, 103252.	1.2	3
1498	Semiconductor Bow-tie Nanoantenna from Coupled Colloidal Quantum Dot Molecules. Angewandte Chemie - International Edition, 2021, 60, 14467-14472.	7.2	11
1499	Improving SERS Sensitivity toward Trace Sulfonamides: The Key Role of Trade-Off Interfacial Interactions among the Target Molecules, Anions, and Cations on the SERS Active Surface. Analytical Chemistry, 2021, 93, 8603-8612.	3.2	27
1500	A discrete interaction model/quantum mechanical method for simulating surface-enhanced Raman spectroscopy in solution. Journal of Chemical Physics, 2021, 154, 224705.	1.2	8
1501	Deep neural network for designing near- and far-field properties in plasmonic antennas. Optical Materials Express, 2021, 11, 1907.	1.6	15
1502	Multiplexed and High-Throughput Label-Free Detection of RNA/Spike Protein/IgG/IgM Biomarkers of SARS-CoV-2 Infection Utilizing Nanoplasmonic Biosensors. Analytical Chemistry, 2021, 93, 8754-8763.	3.2	44
1504	Numerical Study on the Surface Plasmon Resonance Tunability of Spherical and Non-Spherical Core-Shell Dimer Nanostructures. Nanomaterials, 2021, 11, 1728.	1.9	6
1505	Surface-enhanced Raman scattering activities and recyclability of Ag-incorporated WO <sub>3</sub> nanofiber-based substrates. Vibrational Spectroscopy, 2021, 115, 103276.	1.2	9
1506	Plasmon-enhanced photoresponse of deep-subwavelength GaAs NW photodetector. Optoelectronics Letters, 2021, 17, 385-389.	0.4	0

#	ARTICLE	IF	CITATIONS
1507	A Combined Spectroscopic and Theoretical Analysis of Plasmonic Silver Nanoparticle Sensor Towards Detailed Microscopic Understanding of Heavy Metal Detection. <i>Plasmonics</i> , 2022, 17, 223-236.	1.8	7
1508	Comparison of Different Neural Network Architectures for Plasmonic Inverse Design. <i>ACS Omega</i> , 2021, 6, 23076-23082.	1.6	10
1509	<i>In Situ</i> SERS Monitoring of the Plasmon-Driven Catalytic Reaction by Using Single Ag@Au Nanowires as Substrates. <i>Analytical Chemistry</i> , 2021, 93, 11736-11744.	3.2	22
1510	Interfacial hydration determines orientational and functional dimorphism of sterol-derived Raman tags in lipid-coated nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	10
1511	TiO <sub>2</sub> film supported by vertically aligned gold nanorod superlattice array for enhanced photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , 2021, 417, 127900.	6.6	23
1512	Plasmon Coupling-Induced Hot Electrons for Photocatalytic Hydrogen Generation. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3683-3688.	1.7	4
1513	Utilizing AgNPt-SALDI to Classify Edible Oils by Multivariate Statistics of Triacylglycerol Profile. <i>Molecules</i> , 2021, 26, 5880.	1.7	1
1514	Simultaneous detection of dual food adulterants using graphene oxide and gold nanoparticle based surface enhanced Raman scattering duplex DNA biosensor. <i>Vibrational Spectroscopy</i> , 2021, 116, 103293.	1.2	5
1515	Multi-shaped silver meso-particles with tunable morphology for surface enhanced Raman scattering. <i>Optics Communications</i> , 2021, 497, 127200.	1.0	2
1516	Immobilization of Silver Nanoparticles on the Surface of Cellulose Nanofibers Using High-Pressure Wet-Type Jet Mill. <i>Materials Transactions</i> , 2021, 62, 1457-1461.	0.4	3
1517	Tuneable interplay of plasmonic and molecular excitations in self-assembled silver - fullerene nanocomposites. <i>Carbon</i> , 2021, 184, 34-42.	5.4	4
1518	Plasmonic triangular nanoprism sensors. <i>Materials Advances</i> , 2021, 2, 32-46.	2.6	14
1519	Electron-Beam-Induced Molecular Plasmon Excitation and Energy Transfer in Silver Molecular Nanowires. <i>Journal of Physical Chemistry A</i> , 2021, 125, 74-87.	1.1	3
1520	Metal nanoparticles in photocatalysis: Advances and challenges. , 2021, , 119-143.		4
1521	Extending nanoscale patterning with multipolar surface plasmon resonances. <i>Nanoscale</i> , 2021, 13, 11051-11057.	2.8	4
1522	Advances in multi-dimensional super-resolution nonlinear optical microscopy. <i>Advances in Physics: X</i> , 2021, 6, .	1.5	2
1523	Are charged tips driving TERS-resolution? A full quantum chemical approach. <i>Journal of Chemical Physics</i> , 2021, 154, 034106.	1.2	13
1524	Enhancing Nonfouling and Sensitivity of Surface-Enhanced Raman Scattering Substrates for Potent Drug Analysis in Blood Plasma via Fabrication of a Flexible Plasmonic Patch. <i>Analytical Chemistry</i> , 2021, 93, 2578-2588.	3.2	30

#	ARTICLE	IF	CITATIONS
1525	Precise Control of Nanoscale Interface for Efficient Electrochemical Reactions. <i>Electrochemistry</i> , 2021, , .	0.6	2
1526	Single-Molecule Surface-Enhanced Resonance Raman Spectroscopy of the Enhanced Green Fluorescent Protein EGFP. , 2006, , 297-312.		5
1527	Electromagnetic Nanowire Resonances for Field-Enhanced Spectroscopy. , 2008, , 175-215.		10
1528	OPTICAL FIELD ENHANCEMENT WITH PLASMON RESONANT BOWTIE NANOANTENNAS. , 2007, , 125-137.		2
1529	Impact of Electrode Roughness on Metal-Insulator-Metal (MIM) Diodes and Step Tunneling in Nanolaminate Tunnel Barrier Metal-Insulator-Insulator-Metal (MIIM) Diodes. , 2013, , 111-134.		4
1530	Interaction of Ultra-Short Laser Pulses with Metal Nanoparticles Incorporated in Dielectric Media. <i>SpringerBriefs in Physics</i> , 2013, , 17-38.	0.2	1
1531	Nanophotonics and Single Molecules. <i>Springer Series in Biophysics</i> , 2008, , 1-23.	0.4	4
1532	Near-Field Optical Imaging of Wavefunctions and Optical Fields in Plasmonic Nanostructures. , 2011, , 127-160.		2
1533	Cluster-assembled devices for solar energy conversion. <i>Frontiers of Nanoscience</i> , 2020, 15, 59-86.	0.3	2
1534	Light-induced latent heat reduction of silver nanofluids: A molecular dynamics simulation. <i>International Journal of Heat and Mass Transfer</i> , 2020, 162, 120343.	2.5	9
1535	Tunneling Plasmonics: Vacuum Rabi Oscillations in Carbon Nanotube Mediated Electromigrated Nanojunctions. <i>Journal of Physical Chemistry C</i> , 2021, 125, 782-791.	1.5	20
1536	Strong Photon-Molecule Coupling Fields for Chemical Reactions. , 2011, , 228-255.		2
1537	A mesopore-stimulated electromagnetic near-field: electrochemical synthesis of mesoporous copper films by micelle self-assembly. <i>Journal of Materials Chemistry A</i> , 2020, 8, 21016-21025.	5.2	35
1538	Plasmonic enhancement of a silicon-vacancy center in a nanodiamond crystal. <i>Physical Review Materials</i> , 2017, 1, .	0.9	11
1539	Temperature-dependent permittivity of silver and implications for thermoplasmonics. <i>Physical Review Materials</i> , 2019, 3, .	0.9	17
1540	Thermoelectric efficiency optimization of nanoantennas for solar energy harvesting. <i>Journal of Nanophotonics</i> , 2019, 13, 1.	0.4	6
1541	Surface plasmon resonance and polarization change properties in centrosymmetric nanoright-triangle dimer arrays. <i>Optical Engineering</i> , 2018, 57, 1.	0.5	3
1542	Surface Plasmon Frequency Spectrum in a System of Two Spherical Dielectric Coated Metallic Nanoparticles. <i>Acta Physica Polonica A</i> , 2007, 112, 1025-1029.	0.2	4

#	ARTICLE	IF	CITATIONS
1543	Limits to surface-enhanced Raman scattering near arbitrary-shape scatterers. <i>Optics Express</i> , 2019, 27, 35189.	1.7	17
1544	Multi-frequency near-field enhancement with graphene-coated nano-disk homo-dimers. <i>Optics Express</i> , 2019, 27, 37012.	1.7	11
1545	Inverse design of nanoparticles for enhanced Raman scattering. <i>Optics Express</i> , 2020, 28, 4444.	1.7	26
1546	Optimization and performance analysis of SERS-active suspended core photonic crystal fibers. <i>Optics Express</i> , 2020, 28, 23609.	1.7	18
1547	Fabrication of silver dendrite fractal structures for enhanced second harmonic generation and surface-enhanced Raman scattering. <i>Optical Materials Express</i> , 2019, 9, 860.	1.6	36
1549	Controlling the plasmon resonance via epsilon-near-zero multilayer metamaterials. <i>Nanophotonics</i> , 2020, 9, 3637-3644.	2.9	17
1550	Green Synthesis of Gold/Silver Hybrid Nanostructures for Surface-enhanced Raman Scattering Spectroscopy. <i>Current Nanoscience</i> , 2014, 10, 613-620.	0.7	3
1551	Probing of Faraday Effect with Micron Laser Spot for Patterned Array of Magnetic Nanodots. <i>Journal of the Magnetism Society of Japan</i> , 2010, 34, 493-498.	0.5	2
1552	Enhanced light emission in nanostructures. <i>Lithuanian Journal of Physics</i> , 2011, 51, 292-302.	0.1	4
1553	Fabrication of Large-area 3-D Ordered Silver-coated Colloidal Crystals and Macroporous Silver Films Using Polystyrene Templates. <i>Nano-Micro Letters</i> , 2013, 5, 182.	14.4	1
1554	Extremely High Purcell Factor of Plasmonic Modes in Thin Nano-Metallic Cylinders. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 060205.	0.8	3
1555	Fabrication and application of arrays related to two-dimensional materials. <i>Rare Metals</i> , 2022, 41, 262-286.	3.6	17
1556	A numerical study on the closed packed array of gold discs as an efficient dual mode plasmonic tweezers. <i>Scientific Reports</i> , 2021, 11, 20656.	1.6	7
1557	Heterostructure nanocomposite with local surface plasmon resonance effect enhanced photocatalytic activity—a critical review. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 043002.	1.3	13
1558	Development of Protein Capped Nano Gold for NIR Photothermal and Molecular Imaging Applications for Diagnosis of Cancer Cells: In Vitro Studies. <i>Journal of Cluster Science</i> , 2022, 33, 2643-2650.	1.7	1
1559	Efficiency enhancement of organic solar cell using surface plasmon resonance effects of Ag nanoparticles. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	1.5	2
1560	Chapter 1 Plasmonic materials for surface-enhanced and tip-enhanced Raman spectroscopy. <i>Advances in Nano-optics and Nano-photonics</i> , 2006, , 1-39.	0.0	1
1561	Chapter 8 Biosensing with plasmonic nanoparticles. <i>Advances in Nano-optics and Nano-photonics</i> , 2006, , 219-270.	0.0	0

#	ARTICLE	IF	CITATIONS
1562	Chapter 2 Towards single molecule sensitivity in surface-enhanced Raman scattering. <i>Advances in Nano-optics and Nano-photonics</i> , 2006, , 41-86.	0.0	0
1563	Combining Micron-Size Glass Spheres with Silver Nanoparticles to Produce Extraordinary Field Enhancements for Surface-Enhanced Raman Scattering Applications. <i>Israel Journal of Chemistry</i> , 2006, 46, 293-297.	1.0	2
1564	Surface-Enhanced Vibrational Spectroscopy: SERS and SEIRA. <i>Israel Journal of Chemistry</i> , 2006, 46, 265-281.	1.0	2
1565	Towards single molecule sensitivity in surface-enhanced Raman scattering. , 2007, , 41-86.		0
1566	NanomechanicsNanomechanics “ Nanophotonicsnanophotonics “ Nanofluidicsnanofluidics. , 2010, , 315-364.		0
1567	Metal Nanoparticle Enhanced Organic Solar Cells: A Numerical Study of Structure Property Relationships. , 2011, , .		0
1569	Optimal SERS Nanostructures. , 2011, , 67-81.		0
1570	Nonlocal Dielectric Effects. , 2011, , 125-169.		0
1571	Effect of surface plasmon polariton of Ag nanoparticles on the photoluminescence property of up-conversion materials. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2012, 61, 047801.	0.2	4
1572	Plasmon-assisted nanolithography exposed by femtosecond laser beam through gold nanostructured photomasks. , 2012, , .		0
1573	Nanoplasmonics in Inorganic Nanoparticles. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2012, 132, 1251-1254.	0.1	0
1575	Nanoparticles and Nanostructures for Biophotonic Applications. , 0, , .		1
1577	Noble Metal Nanostructure Enhancement of Fluorescence. , 2013, , 313-338.		0
1579	DNA Origami as Programmable Nanofabrication Tools. , 2015, , 1-22.		0
1581	Gold Nanorods. , 2015, , 1-16.		1
1582	DNA Origami as Programmable Nanofabrication Tools. , 2016, , 827-847.		0
1583	Localized field control at the nano-scale. , 2017, , .		0
1584	Gold Nanorods for Diagnostics and Photothermal Therapy of Cancer. , 2017, , 627-650.		0

#	ARTICLE	IF	CITATIONS
1586	Surface-enhanced Raman scattering effect of silver nanoparticles array. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 197302.	0.2	9
1587	Traditional Raman and SERS: Fundamentals and State of the Art. Springer Theses, 2018, , 9-56.	0.0	0
1588	Plasmon-based determination of macromolecular interactions with membrane-encapsulated nanoparticles. , 2018, , .		0
1589	Localized Surface Plasmon Resonance Spectroscopy with Applications to Chemistry. , 2018, , 179-214.		0
1590	Tunable magneto-optical linear and circular dichroism spectra for a dimer of core-shell prolate spheroids. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 991.	0.9	1
1591	Effect of silver nanoplate on singlet exciton fission in rubrene polymer-composite films. Japanese Journal of Applied Physics, 2020, 59, SDDB03.	0.8	1
1592	Classical Electrodynamics of Solids. Springer Theses, 2020, , 13-49.	0.0	1
1593	Plasmonic Enhancement of Raman Spectra of Dye Molecules by Silver Nanotriangles. , 2020, , .		0
1595	Hot spots in two metallic spheres system related to Laplace equation solutions with bispherical coordinates. Applied Physics B: Lasers and Optics, 2021, 127, 1.	1.1	2
1597	Strategies, Challenges, and Advancement in Immobilizing Silver Nanomaterials. Gels Horizons: From Science To Smart Materials, 2021, , 597-643.	0.3	0
1598	Silver nanoparticle on aluminum mirror: active spectroscopy and decay rate enhancement. Nanotechnology, 2020, 31, 505206.	1.3	8
1599	Near-field enhancement in oxidized close gap aluminum dimers. Nanotechnology, 2021, 32, 025305.	1.3	3
1600	An ultra-broadband wavelength-selective anisotropic plasmonic metasurface. Laser Physics Letters, 2020, 17, 105901.	0.6	1
1602	Study the plasmonic property of gold nanorods highly above damage threshold via single-pulse spectral hole-burning experiments. Scientific Reports, 2021, 11, 22232.	1.6	4
1603	Plasmon-induced hot-hole generation and extraction at nano-heterointerfaces for photocatalysis. Communications Materials, 2021, 2, .	2.9	49
1604	Influence of bulky substituents on single-molecule SERS sensitivity. Journal of Chemical Physics, 2022, 156, 014201.	1.2	4
1605	Can we Bring EM Enhancement to the Multi-wavelength Scale?. , 2020, , .		0
1606	Depth prediction of nanotags in tissue using surface enhanced spatially offset Raman scattering (SESORS). Chemical Communications, 2022, 58, 1756-1759.	2.2	13

#	ARTICLE	IF	CITATIONS
1607	Control of Surface Plasmon Resonance in Silver Nanocubes by CEP-Locked Laser Pulse. <i>Photonics</i> , 2022, 9, 53.	0.9	6
1608	Plasmonic Enhancement Strategies for Light-Driven Microbe Inactivation. <i>Journal of Physical Chemistry C</i> , 2022, 126, 2325-2335.	1.5	3
1609	Design of New High Energy Near Field Nanophotonic Materials for Far Field Applications. <i>Engineering Materials</i> , 2022, , 859-920.	0.3	2
1610	Second-harmonic generation of embedded plasmonic nanoparticle arrays via interparticle coupling. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	8
1611	Unique Electronic Excitations at Highly Localized Plasmonic Field. <i>Accounts of Chemical Research</i> , 2022, 55, 809-818.	7.6	6
1612	Silica-Encapsulated Core-Satellite Gold Nanoparticle Assemblies as Stable, Sensitive, and Multiplex Surface-Enhanced Raman Scattering Probes. <i>ACS Applied Nano Materials</i> , 2022, 5, 5087-5095.	2.4	6
1613	Light Extinction by Agglomerates of Gold Nanoparticles: A Plasmon Ruler for Sub-10 nm Interparticle Distances. <i>Analytical Chemistry</i> , 2022, 94, 5310-5316.	3.2	15
1614	Plasmonic Photoluminescence of Cu Nanoparticle Realized by Molecular Optical Antenna Designed on Nanosheets. <i>Chemistry Letters</i> , 2022, 51, 500-503.	0.7	1
1615	Plasmon-Induced Photocatalysis Based on Pt-Au Coupling with Enhanced Oxidation Abilities. <i>ACS Applied Nano Materials</i> , 2022, 5, 4406-4412.	2.4	4
1616	Silver nanostructure on ablated silicon wafer prepared via pulsed laser ablation for surface enhanced Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2022, 53, 1039-1047.	1.2	5
1617	Development of photocatalysts based on TiO <sub>2</sub> films with embedded Ag nanoparticles. <i>International Journal of Applied Glass Science</i> , 2022, 13, 429-443.	1.0	1
1618	Size-Dependent Photocatalytic Activity of Silver Nanoparticles Embedded in ZX-Bi Zeolite Supports. <i>ACS Applied Nano Materials</i> , 2022, 5, 3866-3877.	2.4	6
1619	Plasmonic refractive index sensitivity of tetrapod gold nanostars: tuning the branch length and protein layer. <i>European Physical Journal D</i> , 2022, 76, 1.	0.6	1
1620	Fabrication of highly sensitive and uniform Ag/PS/PDMS SERS substrate and its application for in-situ detection. <i>Nanotechnology</i> , 2022, 33, 245601.	1.3	2
1621	Surface Plasmon Coupled Directional Emission for Integrated Fluorescence-Raman Biodetection: a Proof-of-Concept Study. <i>Chemistry Methods</i> , 0, , .	1.8	0
1622	Plasmonic Metal Nanoparticles Hybridized with 2D Nanomaterials for SERS Detection: A Review. <i>Biosensors</i> , 2022, 12, 225.	2.3	14
1623	Recent advances in non-plasmonic surface-enhanced Raman spectroscopy nanostructures for biomedical applications. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2022, 14, e1795.	3.3	5
1624	Pharmaceutical applications of a nanospectroscopic technique: Surface-enhanced Raman spectroscopy. <i>Advanced Drug Delivery Reviews</i> , 2022, 184, 114184.	6.6	20



#	ARTICLE	IF	CITATIONS
1625	Nonlocal and nonadiabatic Pauli potential for time-dependent orbital-free density functional theory. <i>Physical Review B</i> , 2021, 104, .	1.1	8
1626	<i>In silico</i> design of graphene plasmonic hot-spots. <i>Nanoscale Advances</i> , 2022, 4, 2294-2302.	2.2	6
1627	Single-Molecule Surface-Enhanced Resonance Raman Spectroscopy of the Enhanced Green Fluorescent Protein EGFP. , 2006, , 297-312.		0
1628	Coupled Plasmonic Plasmon/Photonic Resonance Effects in SERS. , 2006, , 67-86.		0
1629	SERS From Transition Metals and Excited by Ultraviolet Light. , 2006, , 125-146.		0
1633	Electron energy-loss spectroscopy investigation of multipolar behavior in Al nanostructure as a function of surface coating with PVP and oxidation. <i>Materials Today Communications</i> , 2022, 31, 103668.	0.9	2
1634	New Trends in Nanoarchitected SERS Substrates: Nanospaces, 2D Materials, and Organic Heterostructures. <i>Small</i> , 2022, 18, e2107182.	5.2	71
1635	Ultra-Dense Plasmonic Nanogap Arrays for Reorientable Molecular Fluorescence Enhancement and Spectrum Reshaping. <i>Nanoscale</i> , 0, , .	2.8	1
1636	How Surface-Enhanced Raman Spectroscopy Could Contribute to Medical Diagnoses. <i>Chemosensors</i> , 2022, 10, 190.	1.8	5
1637	Selective Detection and Ultrasensitive Quantification of SARS-CoV-2 IgG Antibodies in Clinical Plasma Samples Using Epitope-Modified Nanoplasmonic Biosensing Platforms. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 26517-26527.	4.0	8
1638	Plasmonically enhanced electrochemistry boosted by nonaqueous solvent. <i>Journal of Chemical Physics</i> , 2022, 156, .	1.2	2
1640	Coupling of plasmonic nanoparticles on a semiconductor substrate <i>via</i> a modified discrete dipole approximation method. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 19705-19715.	1.3	2
1641	Polarization multiplexed electromagnetically induced transparency metasurface based on VO <sub>2</sub> , with high-performance sensing application. <i>Optical Materials Express</i> , 0, , .	1.6	1
1642	Advances in Biomedical Applications of Raman Microscopy and Data Processing: A Mini Review. <i>Analytical Letters</i> , 2023, 56, 576-617.	1.0	3
1643	Boosting the Brightness of Thiolated Surface-Enhanced Raman Scattering Nanoprobes by Maximal Utilization of the Three-Dimensional Volume of Electromagnetic Fields. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 6496-6502.	2.1	6
1644	Synthesis of phenylbenzotriazole derivative stabilized silver nanoparticles for chromium (III) detection in tap water. <i>Journal of Molecular Structure</i> , 2022, 1267, 133589.	1.8	4
1645	High Sensitivity SERS Substrate of a Few Nanometers Single-Layer Silver Thickness Fabricated by DC Magnetron Sputtering Technology. <i>Nanomaterials</i> , 2022, 12, 2742.	1.9	6
1646	Direct Laser Writing of SERS Hollow Fibers. <i>Nanomaterials</i> , 2022, 12, 2843.	1.9	1

#	ARTICLE	IF	CITATIONS
1647	Recognition and quantitative analysis for six phthalate esters (PAEs) through functionalized ZIF-67@Ag nanowires as surface-enhanced Raman scattering substrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2023, 284, 121735.	2.0	10
1648	Single-Colour, Visible Light Activation and Excitation of the Luminescence of a "Switch-On"™ Dye and Enhancement by Silver Nanoparticles. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1649	Applications of SERS in biochemical and medical analysis. , 2022, , 375-408.		0
1650	Facile preparation of highly sensitive SERS substrates based on gold nanoparticles modified graphdiyne/carbon cloth. <i>Applied Surface Science</i> , 2023, 609, 155098.	3.1	5
1651	SERS monitoring of photoinduced-enhanced oxidative stress amplifier on Au@carbon dots for tumor catalytic therapy. <i>Light: Science and Applications</i> , 2022, 11, .	7.7	34
1652	Designing structures that maximize spatially averaged surface-enhanced Raman spectra. <i>Optics Express</i> , 2023, 31, 4964.	1.7	1
1653	Bacterial DNA Recognition by SERS Active Plasma-Coupled Nanogold. <i>Nano Letters</i> , 2022, 22, 9757-9765.	4.5	3
1654	Ponderomotive forces in the system of two nanoparticles. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
1655	Core"satellite"satellite hierarchical nanostructures: assembly, plasmon coupling, and gap-selective surface-enhanced Raman scattering. <i>Nanoscale</i> , 2022, 14, 17003-17012.	2.8	5
1656	Advanced plasmonic technologies for multi-scale biomedical imaging. <i>Chemical Society Reviews</i> , 2022, 51, 9445-9468.	18.7	24
1657	Single-colour, visible light activation and excitation of the luminescence of a "switch-on"™ dye and enhancement by silver nanoparticles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2023, 436, 114369.	2.0	0
1658	Large"Area Periodic Arrays of Atomically Flat Single"Crystal Gold Nanotriangles Formed Directly on Substrate Surfaces. <i>Small</i> , 2022, 18, .	5.2	6
1659	Au/Ag SERS active substrate for broader wavelength excitation. <i>Optical Materials</i> , 2023, 135, 113319.	1.7	9
1660	High energy storage density titanium nitride-pentaerythritol solid"solid composite phase change materials for light-thermal-electric conversion. <i>Applied Energy</i> , 2023, 331, 120377.	5.1	5
1661	Rapid determination of thiram on apple using a flexible bacterial cellulose-based SERS substrate. <i>Talanta</i> , 2023, 254, 124128.	2.9	19
1662	Nanomaterials for"Localized Surface Plasmon Resonance-Related" Optical Functionalities. <i>Topics in Applied Physics</i> , 2022, , 37-70.	0.4	1
1663	Flexible plasmonic cellulose papers for broadband absorption and efficient solar steam generation. <i>Science China Materials</i> , 2023, 66, 1097-1105.	3.5	5
1664	Investigation of plasmon relaxation mechanisms using nonadiabatic molecular dynamics. <i>Journal of Chemical Physics</i> , 2022, 157, .	1.2	3

#	ARTICLE	IF	CITATIONS
1665	Gap plasmon modes and plasmon-exciton coupling in a hybrid $\text{Ag}/\text{SiO}_2$ tunneling junction. <i>Optics Express</i> , 0, .	1.7	1
1666	An Overview of Nanomaterials: History, Fundamentals, and Applications. , 2023, , 1-26.		1
1667	Deposition of Gold Nanostructured Films on Quartz Substrates by Pulsed Laser Ablation and Evaluation of Activated Chips Expressed Surface-Enhanced Raman Scattering by using 4-Mercaptobenzoic Acids. <i>IEEJ Transactions on Fundamentals and Materials</i> , 2023, 143, 38-43.	0.2	0
1668	Preparation and investigation of high-performance 3D $\text{Ag}/\text{SiO}_2$ nanohole array substrate based on cicada wing. <i>Optical Materials</i> , 2023, 136, 113412.	1.7	1
1669	Oblique-Incidence-Excited Localized Hot Spots in Plasmonic Particle-on-Film Nanocavities. <i>Journal of Physical Chemistry C</i> , 2023, 127, 461-467.	1.5	0
1670	Influence of sandwich-type DNA construction strategy and plasmonic metal on signal generated by SERS DNA sensors. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2023, 295, 122606.	2.0	2
1671	Precise Photothermal Treatment of Methicillin-Resistant <i>S. aureus</i> Infection via Phage Lysin-Cell Binding Domain-Modified Gold Nanosheets. <i>ACS Applied Materials &amp; Interfaces</i> , 2023, 15, 6514-6525.	4.0	2
1672	Effect of Silver Nanoparticles on the Optical Properties of Double Line Waveguides Written by fs Laser in $\text{Nd}^{3+}$ -Doped $\text{GeO}_2$ - $\text{PbO}$ Glasses. <i>Nanomaterials</i> , 2023, 13, 743.	1.9	1
1673	Perspective on functional metal-oxide plasmonic metastructures. <i>Journal of Applied Physics</i> , 2023, 133, 070901.	1.1	1
1674	Intensified near-field by localizing surface plasmon for enhancing photoelectrochemical responses via periodically patterned Au assemblies. <i>Chemical Engineering Journal</i> , 2023, 461, 142082.	6.6	2
1675	A comparative Assessment of <i>Aspergillus niger</i> and <i>Fusarium pallidoroseum</i> for Synthesizing Metal-Nanoparticles of Zinc and Silver. <i>Macromolecular Symposia</i> , 2023, 407, .	0.4	0
1676	Understanding Spatial Distributions of Dye Molecules Coupled to the Surface Lattice Resonance Mode through Electrochemical Reaction Control. <i>Journal of Physical Chemistry Letters</i> , 2023, 14, 2268-2276.	2.1	1
1677	Amplification-Free, High-Throughput Nanoplasmonic Quantification of Circulating MicroRNAs in Unprocessed Plasma Microsamples for Earlier Pancreatic Cancer Detection. <i>ACS Sensors</i> , 2023, 8, 1085-1100.	4.0	4
1678	Microfluidic-Generated Seeds for Gold Nanotriangle Synthesis in Three or Two Steps. <i>Small</i> , 2023, 19, .	5.2	3
1679	Does the chemical contribution have a secondary role in SERS?. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2023, 40, C78.	0.9	2
1680	Infrared Near-Field Spectroscopy of Gold Nanotriangle Fabry-Pérot Resonances. <i>Journal of Physical Chemistry C</i> , 2023, 127, 6777-6784.	1.5	1
1681	Raman spectroscopy: Principles and recent applications in food safety. <i>Advances in Food and Nutrition Research</i> , 2023, , .	1.5	0
1682	Fabrication of nanostructured electrodes for electrochemical surface-enhanced Raman spectroscopy (E-SERS): A review. <i>Materials Science and Technology</i> , 2023, 39, 2287-2301.	0.8	0

#	ARTICLE	IF	CITATIONS
1683	Raman enhancement in bowtie-shaped aperture-particle hybrid nanostructures fabricated with DNA-assisted lithography. <i>Nanoscale</i> , 2023, 15, 8589-8596.	2.8	1
1687	Surface Enhanced Raman Spectroscopy (SERS). <i>Springer Handbooks</i> , 2023, , 151-168.	0.3	0
1689	Effect of Intense Hot-Spot-Specific Local Fields on Fluorescein Adsorbed at 3D Porous Gold Architecture: Evolution of SERS Amplification and Photobleaching under Resonant Illumination. , 0, , .		1
1707	Development of Surface-Enhanced Raman-scattering Chips Using Highly Oriented Gold Nanoislands Fabricated on MgO(001) Substrates by Pulsed Laser Deposition. , 2023, , .		0
1711	Developments of Random Laser: Fundamentals and Applications. <i>Indian Institute of Metals Series</i> , 2024, , 341-368.	0.2	0