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## Single Molecule Detection Using Surface-Enhanced Raman Scattering (SERS)

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2315	Spectral response of plasmon resonant nanoparticles with a non-regular shape. <b>2000</b> , 6, 213		
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2313	Spectral response of plasmon resonant nanoparticles with a non-regular shape. <b>2000</b> , 6, 213		
2312	Spectral response of plasmon resonant nanoparticles with a non-regular shape. <b>2000</b> , 6, 213		
2311	Plasmon resonant coupling in metallic nanowires. <b>2001</b> , 8, 655		
2310	Plasmon resonant coupling in metallic nanowires. <b>2001</b> , 8, 655		
2309	Plasmon resonant coupling in metallic nanowires. <b>2001</b> , 8, 655		

2308 Plasmon resonant coupling in metallic nanowires. **2001**, 8, 655

2307 Plasmon resonant coupling in metallic nanowires. **2001**, 8, 655

2306 Plasmon resonant coupling in metallic nanowires. **2001**, 8, 655

2305 Plasmon resonant coupling in metallic nanowires. **2001**, 8, 655

2304 Plasmon resonant coupling in metallic nanowires. **2001**, 8, 655

2303 Plasmon resonant coupling in metallic nanowires. **2001**, 8, 655

2302 Plasmon resonant coupling in metallic nanowires. **2001**, 8, 655

2301 Label-free multi-color superlocalization of plasmonic emission within metallic nano-interstice using femtosecond chirp-manipulated four wave mixing. **2015**, 23, 32113

2300 Spectral response of plasmon resonant nanoparticles with a non-regular shape. **2000**, 6, 213

2299 Spectral response of plasmon resonant nanoparticles with a non-regular shape. **2000**, 6, 213

2298 References. 558-604

2297 An Introduction to Applied Cosmic Ray Physics. **1984**, 23, 726-728

6

2296 The polymorphism linked to the human insulin gene: its lack of association with either IDDM or NIDDM in Japanese. **1986**, 113, 268-71

12

2295 Selective Surface Doping Method of P Atoms in Lateral Solid Phase Epitaxy and Its Applications to Device Fabrication. **1992**, 31, 1695-1701

4

2294 Near-Field Surface-Enhanced Raman Spectroscopy on Single Silver Nanoparticles. **1997**, 69, 2631-2635

159

2293 Single-molecule spectroscopy. **1997**, 48, 181-212

181

2292 Near-field surface-enhanced Raman spectroscopy of dye molecules adsorbed on silver island films. **1998**, 283, 381-385

128

2291 Optical studies of single molecules at room temperature. **1998**, 49, 441-80

586

2290	Surface-enhanced Raman scattering. <b>1998</b> , 27, 241	2417
2289	Fluorescence near interfaces: The role of photonic mode density. <b>1998</b> , 45, 661-699	829
2288	Surface-enhanced Raman spectroscopy using metallic nanostructures <sup>1</sup> The submitted manuscript has been authored by a contractor of the U.S Government under contract No. DE-AC05-96OR22464. Accordingly, the U.S. Government retains a nonexclusive, royalty-free license to publish or reproduce the published form of this contribution, or allow others to do so, for U.S.	367
2287	Direct Observation of Size-Dependent Optical Enhancement in Single Metal Nanoparticles. <b>1998</b> , 120, 8009-8010	300
2286	Near-Field Surface-Enhanced Raman Imaging of Dye-Labeled DNA with 100-nm Resolution. <b>1998</b> , 70, 2646-50	158
2285	Heightened Electromagnetic Fields between Metal Nanoparticles: Surface Enhanced Raman Scattering from Metal Cytochrome c-Metal Sandwiches. <b>1998</b> , 102, 9414-9425	104
2284	Monte carlo simulation of a single-molecule detection experiment. <b>1998</b> , 37, 2315-26	11
2283	Single-Molecule Detection of a Cyanine Dye in Silver Colloidal Solution Using Near-Infrared Surface-Enhanced Raman Scattering. <b>1998</b> , 52, 175-178	158
2282	Extremely Large Enhancement Factors in Surface-Enhanced Raman Scattering for Molecules on Colloidal Gold Clusters. <b>1998</b> , 52, 1493-1497	205
2281	Detection and identification of a single DNA base molecule using surface-enhanced Raman scattering (SERS). <b>1998</b> , 57, R6281-R6284	455
2280	Giant Stokes fields on semicontinuous metal films. <b>1998</b> , 15, 68	38
2279	Explosives detection: a challenge for physical chemistry. <b>1998</b> , 49, 203-32	346
2278	Screening and Enrichment of Metal Nanoparticles with Novel Optical Properties. <b>1998</b> , 102, 493-497	193
2277	Raman spectroscopy. <b>1998</b> , 70, 341R-361R	182
2276	Time Resolved Single Molecule Spectroscopy. <i>Physical Review Letters</i> , <b>1998</b> , 80, 4064-4067	7.4 33
2275	Mode localization in self-affine fractal interfaces observed by near-field microscopy. <b>1998</b> , 57, 15513-15518	53
2274	Giant field fluctuations and anomalous light scattering from semicontinuous metal films. <b>1998</b> , 58, 15897-15903	5
2273	Analytische Chemie. <b>1998</b> , 46, 302-314	1

2272	OPTICAL NONLINEARITIES OF METAL-DIELECTRIC COMPOSITES. <b>1999</b> , 08, 191-210		28
2271	Photostability of Fluorescent Dyes for Single-Molecule Spectroscopy: Mechanisms and Experimental Methods for Estimating Photobleaching in Aqueous Solution. <b>1999</b> , 193-240		47
2270	Near-field optical spectroscopy of individual surface-plasmon modes in colloid clusters. <b>1999</b> , 59, 10903-10909	258	
2269	A study of poly (N-vinylcarbazole) adsorbed on silver surface by SERS. <b>1999</b> , 21, 39-43		13
2268	Surface-enhanced raman spectra of both uranyl(VI) and 2-(5-bromo-2-pyridylazo)-5-diethylaminophenol in silver colloids. <b>1999</b> , 21, 97-109		16
2267	Manipulating the biochemical nanoenvironment around single molecules contained within vesicles. <b>1999</b> , 247, 133-139		75
2266	Surface-enhanced non-linear Raman scattering at the single-molecule level. <b>1999</b> , 247, 155-162		138
2265	Three-dimensional orientation measurements of symmetric single chromophores using polarization microscopy. <b>1999</b> , 399, 126-130		223
2264	Anderson localization of surface plasmons and nonlinear optics of metal-dielectric composites. <b>1999</b> , 60, 16389-16408		84
2263	Single molecule fluorescence spectroscopy at ambient temperature. <b>1999</b> , 99, 2929-56		296
2262	Ultrasensitive chemical analysis by Raman spectroscopy. <b>1999</b> , 99, 2957-76		1872
2261	Near-field scanning optical microscopy in cell biology. <b>1999</b> , 9, 70-3		46
2260	Spectroscopy of Single Hemoglobin Molecules by Surface Enhanced Raman Scattering. <i>Physical Review Letters</i> , <b>1999</b> , 83, 4357-4360	7.4	2053
2259	Fractals in Microcavities: Giant Coupled, Multiplicative Enhancement of Optical Responses. <i>Physical Review Letters</i> , <b>1999</b> , 82, 4811-4814	7.4	103
2258	Surface enhanced Raman scattering in the near infrared using metal nanoshell substrates. <b>1999</b> , 111, 4729-4735		339
2257	Tuning in to a single molecule: vibrational spectroscopy with atomic resolution. <b>1999</b> , 4, 421-428		4
2256	Optimizing nanofabricated substrates for Surface Enhanced Raman Scattering. <b>1999</b> , 12, 783-788		31
2255	Surface Enhanced Raman Spectroscopy of Individual Rhodamine 6G Molecules on Large Ag Nanocrystals. <b>1999</b> , 121, 9932-9939		1166

2254	Efficient Raman Enhancement and Intermittent Light Emission Observed in Single Gold Nanocrystals. <b>1999</b> , 121, 9208-9214	335
2253	The phenomenon of single-molecule detection by the SERS method and the SERS quadrupole theory. <b>1999</b> , 1, L18-L20	12
2252	Temperature Dependence and Annealing Effects in Surface-Enhanced Raman Scattering on Chemically Prepared Silver Island Films. <b>1999</b> , 103, 9610-9615	28
2251	Surface-plasmon-enhanced radiation effects in confined photonic systems. <b>1999</b> , 17, 2183-2190	26
2250	Raman Spectroscopy in Analysis of Biomolecules. <b>2000</b> ,	1
2249	Bioactivity of Vitronectin Adsorbed on Nanophase Alumina Promotes Osteoblast Adhesion. <b>2000</b> , 662, 1	
2248	Single Molecule Vibrational Fine-structure of Tyrosine Adsorbed on Ag Nano-Crystals. <b>2000</b> , 1, 239-248	75
2247	SERS on carbon chain segments: monitoring locally surface chemistry. <b>2000</b> , 321, 356-362	151
2246	Electromagnetic contributions to single-molecule sensitivity in surface-enhanced raman scattering. <b>2000</b> , 62, 4318-24	1348
2245	The molecular orientation of PNBA on silver nanoparticles. <b>2000</b> , 45, 1464-1467	2
2244	Surface Enhanced Raman Spectroscopy: Towards Single Molecule Spectroscopy. <b>2000</b> , 68, 942-949	209
2243	Surface-enhanced and normal stokes and anti-stokes Raman spectroscopy of single-walled carbon nanotubes. <i>Physical Review Letters</i> , <b>2000</b> , 84, 3470-3	7.4 190
2242	Analysis of individual (macro)molecules and proteins using near-field optics. <b>2000</b> , 112, 7799-7810	90
2241	Spectral response of plasmon resonant nanoparticles with a non-regular shape. <b>2000</b> , 6, 213-9	175
2240	Novel SERS-Active Optical Fibers Prepared by the Immobilization of Silver Colloidal Particles. <b>2000</b> , 54, 522-527	71
2239	Ag Nanocrystal Junctions as the Site for Surface-Enhanced Raman Scattering of Single Rhodamine 6G Molecules. <b>2000</b> , 104, 11965-11971	937
2238	Scanning near-field optical microscopy with aperture probes: Fundamentals and applications. <b>2000</b> , 112, 7761-7774	545
2237	Field polarization and polarization charge distributions in plasmon resonant nanoparticles. <b>2000</b> , 2, 27-27	63

2236	On-column surface-enhanced Raman spectroscopy detection in capillary electrophoresis using running buffers containing silver colloidal solutions. <b>2000</b> , 72, 1866-71	58
2235	Surface-Enhanced Raman Scattering Spectroscopy of Single Carbon Domains on Individual Ag Nanoparticles on a 25 ms Time Scale. <b>2000</b> , 122, 5409-5410	74
2234	Surface-Enhanced Raman Scattering Study on Passivating Films of Ag Electrodes in Lithium Batteries <b>2000</b> , 104, 8477-8480	21
2233	Surface-enhanced resonant Raman spectroscopy of single-wall carbon nanotubes adsorbed on silver and gold surfaces. <b>2000</b> , 61, 13202-13211	84
2232	Surface-enhanced Raman Spectroscopy (SERS): Protein Application. <b>2000</b> , 1-23	2
2231	Near-field electromagnetic wave scattering from random self-affine fractal metal surfaces: Spectral dependence of local field enhancements and their statistics in connection with surface-enhanced Raman scattering. <b>2000</b> , 62, 10515-10525	34
2230	Nanosphere Lithography: Tunable Localized Surface Plasmon Resonance Spectra of Silver Nanoparticles. <b>2000</b> , 104, 10549-10556	1054
2229	Ten Years of Single-Molecule Spectroscopy. <b>2000</b> , 104, 1-16	297
2228	Interparticle coupling effects in nanofabricated substrates for surface-enhanced Raman scattering. <b>2001</b> , 78, 802-804	383
2227	Oligonucleotide Adsorption to Gold Nanoparticles: A Surface-Enhanced Raman Spectroscopy Study of Intrinsically Bent DNA. <b>2001</b> , 105, 12609-12615	182
2226	Nanostructured Thin-Film Materials with Surface-Enhanced Optical Properties. <b>2001</b> , 13, 1082-1088	103
2225	Mechanisms of enhanced osteoblast adhesion on nanophase alumina involve vitronectin. <b>2001</b> , 7, 291-301	418
2224	Sputtered silver oxide layers for surface-enhanced Raman spectroscopy. <b>2001</b> , 79, 620-622	70
2223	Tunable surface plasmon resonance silver films. <b>2001</b> , 79, 3164-3166	88
2222	Retardation-induced plasmon resonances in coupled nanoparticles. <b>2001</b> , 26, 1096-8	152
2221	Influence of nanoscale cutoff in random self-affine fractal silver surfaces on the excitation of localized optical modes. <b>2001</b> , 26, 1286-8	14
2220	Nanosphere Lithography: A Versatile Nanofabrication Tool for Studies of Size-Dependent Nanoparticle Optics. <b>2001</b> , 105, 5599-5611	2088
2219	Field enhancement in apertureless near-field scanning optical microscopy. <b>2001</b> , 18, 2998-3006	53

2218	Near-field optical study of selective photomodification of fractal aggregates. <b>2001</b> , 18, 698	14
2217	Plasmon resonant coupling in metallic nanowires. <b>2001</b> , 8, 655-63	256
2216	Plasmon resonances of silver nanowires with a nonregular cross section. <b>2001</b> , 64,	414
2215	Time-Dependent Single-Molecule Raman Scattering as a Probe of Surface Dynamics. <b>2001</b> , 105, 12348-12354	253
2214	Single-molecule detection using surface-enhanced resonance Raman scattering and Langmuir-Blodgett monolayers. <b>2001</b> , 73, 3674-8	176
2213	Rubbing-induced molecular reorientation on an alignment surface of an aromatic polyimide containing cyanobiphenyl side chains. <b>2001</b> , 123, 5768-76	128
2212	Ultrafast Dephasing of Single Nanoparticles Studied by Two-Pulse Second-Order Interferometry. <b>2001</b> , 105, 2135-2142	67
2211	Intrinsic fluorescence and quenching effects in photoactivated reactively sputtered silver oxide layers. <b>2001</b> , 123, 7172-3	38
2210	Homogeneity, Transport, and Signal Properties of Single Ag Particles Studied by Single-Molecule Surface-Enhanced Resonance Raman Scattering. <b>2001</b> , 105, 3673-3679	61
2209	Determination of subyoctomole amounts of nonfluorescent molecules using a thermal lens microscope: subsingle-molecule determination. <b>2001</b> , 73, 2112-6	177
2208	Radiation chemistry: from the early days to the next millennium. <b>2001</b> , 87, 1-19	
2207	Interparticle coupling effects in surface-enhanced Raman scattering. <b>2001</b> ,	30
2206	Nanoscale surface-enhanced resonance Raman scattering spectroscopy of single molecules on isolated silver clusters. <b>2001</b> , 94-95, 147-152	49
2205	Failure of local Mie theory: optical spectra of colloidal aggregates. <b>2001</b> , 194, 277-287	59
2204	SERS-active sites on various copper substrates. <b>2001</b> , 32, 231-239	32
2203	Optical probing of single fluorescent molecules and proteins. <b>2001</b> , 2, 347-60	36
2202	Surface enhanced resonance Raman scattering (SERRS)--a first example of its use in multiplex genotyping. <b>2001</b> , 2, 746-8	34
2201	Thermal detrapping rates of atomic hydrogen and atomic deuterium trapped in double four-ring Si8O12 cages measured simultaneously using EPR. <b>2001</b> , 2, 748-50	5



2200	Theory of First Layer and Single Molecule Surface Enhanced Raman Scattering (SERS). <b>2001</b> , 188, 1455-1470	121
2199	Near-field Raman scattering enhanced by a metallized tip. <b>2001</b> , 335, 369-374	236
2198	Dramatic localized electromagnetic enhancement in plasmon resonant nanowires. <b>2001</b> , 341, 1-6	178
2197	Theoretical evaluation of Raman spectra and enhancement factors for a molecule adsorbed on a complex-shaped metal particle. <b>2001</b> , 342, 135-140	45
2196	Surface-enhanced resonance Raman scattering of adsorbates under liquid nitrogen. <b>2001</b> , 339, 167-173	18
2195	Raman scattering enhancement using crystallographic surface of a colloidal crystal. <b>2001</b> , 74, 309-311	15
2194	Nanostructured materials as biomolecular sensors for cell transport.	
2193	Molecular fluorescence in the vicinity of a nanoscopic probe. <b>2001</b> , 114, 8596-8609	53
2192	Statistics of local field intensity enhancements at nanostructured surfaces investigated with a near-field optical microscope. <b>2001</b> , 64,	27
2191	An apertureless near-field scanning optical microscope and its application to surface-enhanced Raman spectroscopy and multiphoton fluorescence imaging. <b>2001</b> , 72, 1691	53
2190	Light scattering from disordered overlayers of metallic nanoparticles. <b>2001</b> , 64,	8
2189	Optical trapping of single fluorescent molecules at the detection spots of nanoprobe. <i>Physical Review Letters</i> , <b>2002</b> , 89, 143603	7.4 30
2188	Surface enhanced Raman spectroscopy of carbon nanotubes deposited on a silver self-affine fractal surface. <b>2002</b> , 92, 3517-3523	4
2187	Strongly enhanced field-dependent single-molecule electroluminescence. <b>2002</b> , 99, 10272-5	60
2186	Optical field enhancement by surface-plasmon resonance: theory and application to micro-bioelectronics.	
2185	Metal coverage dependence of local optical properties of semicontinuous metallic films. <b>2002</b> , 49, 2423-2435	6
2184	Probing the optical near field of a nanolens. <b>2002</b> ,	
2183	Human Spermatozoa on Nanostructured Ag Deposited on GaAs Surface. <b>2002</b> , 735, 1081	0

2182	Single Molecule Detection in Liquids and on Surfaces under Ambient Conditions: Introduction and Historical Overview. 1-19		1
2181	Batch Fabrication of Nanopillars for Autonomous Nanofluidic SERS Arrays. <b>2002</b> , 729, 491		3
2180	Fluctuations and Local Symmetry in Single-Molecule Rhodamine 6G Raman Scattering on Silver Nanocrystal Aggregates <b>2002</b> , 106, 8096-8099		220
2179	Simple Method for Preparing Controllably Aggregated Silver Particle Films Used as Surface-Enhanced Raman Scattering Active Substrates. <b>2002</b> , 18, 6839-6844		92
2178	Surface-Enhanced Raman Spectroscopic Study of Uracil. The Influence of the Surface Substrate, Surface Potential, and pH. <b>2002</b> , 106, 1461-1470		86
2177	Molecular Orientation and Relaxation on a Surface of a Thin Film of Polymeric Liquid Crystalline. <b>2002</b> , 18, 4559-4561		8
2176	Aggregation of Silver Particles Trapped at an Air/Water Interface for Preparing New SERS Active Substrates. <b>2002</b> , 106, 6500-6506		68
2175	Design of near-field optical probes with optimal field enhancement by finite difference time domain electromagnetic simulation. <b>2002</b> , 116, 10895-10901		188
2174	Surface-enhanced emission from single semiconductor nanocrystals. <i>Physical Review Letters</i> , <b>2002</b> , 89, 117401	7-4	497
2173	Light scattering from self-affine fractal silver surfaces with nanoscale cutoff: far-field and near-field calculations. <b>2002</b> , 19, 902-11		6
2172	Dynamic modifications to the plasmon resonance of a metallic nanoparticle coupled to a planar waveguide: beyond the point-dipole limit. <b>2002</b> , 19, 1195		11
2171	Scattering enhancement from an array of interacting dipoles near a planar waveguide. <b>2002</b> , 19, 2437		30
2170	Electromagnetic mechanism in surface-enhanced Raman scattering from Gaussian-correlated randomly rough metal substrates. <b>2002</b> , 10, 879-86		19
2169	Surface-Enhanced Raman Spectroscopy in Single Living Cells Using Gold Nanoparticles. <b>2002</b> , 56, 150-154		504
2168	Brilliant Optical Properties of Nanometric Noble Metal Spheres, Rods, and Aperture Arrays. <b>2002</b> , 56, 124A-135A		58
2167	Surface-Enhanced Resonance Raman Spectroscopy Signals from Single Myoglobin Molecules. <b>2002</b> , 56, 1531-1537		87
2166	Mechanism of Agn Nanocluster Photoproduction from Silver Oxide Films. <b>2002</b> , 106, 7725-7728		83
2165	Surface-Enhanced Raman Spectroscopic and Density Functional Theory Study of Adenine Adsorption to Silver Surfaces. <b>2002</b> , 106, 101-112		219

2164	Single-molecule chemistry. <b>2002</b> , 117, 11033-11061		552
2163	Single-Molecule Surface-Enhanced Raman and Fluorescence Correlation Spectroscopy of Horseradish Peroxidase. <b>2002</b> , 106, 1213-1218		120
2162	Shape effects in plasmon resonance of individual colloidal silver nanoparticles. <b>2002</b> , 116, 6755-6759		1418
2161	Individual water-soluble dendrimer-encapsulated silver nanodot fluorescence. <b>2002</b> , 124, 13982-3		545
2160	Controlling the optical response of regular arrays of gold particles for surface-enhanced Raman scattering. <b>2002</b> , 65,		319
2159	Bacteriorhodopsin the basis of molecular superfast nanoelectronics. <b>2002</b> , 13, 763-767		5
2158	Theory of surface-plasmon resonance optical-field enhancement at prolate spheroids. <b>2002</b> , 92, 4878-4884		61
2157	Optical Nonlinearities of Fractal Composites. <b>2002</b> , 93-114		22
2156	Single-molecule spectroscopy: The road ahead. <b>2002</b> , 117, 10938-10946		53
2155	Strong localized enhancement of second harmonic generation from nonlinear molecules on granular gold structures probed by two-photon microscopy.		
2154	Near-field Raman spectroscopy using a sharp metal tip.		
2153	Line shape of the stretching vibration of CO adsorbed on rough copper surfaces. <b>2002</b> , 502-503, 394-398		5
2152	Surface-plasmon-enhanced optical forces in silver nanoaggregates. <i>Physical Review Letters</i> , <b>2002</b> , 89, 246802	7.4	394
2151	Single-Molecule and Single-Nanoparticle SERS: Examining the Roles of Surface Active Sites and Chemical Enhancement. <b>2002</b> , 106, 311-317		588
2150	Drastic reduction of plasmon damping in gold nanorods. <i>Physical Review Letters</i> , <b>2002</b> , 88, 077402	7.4	1378
2149	Density Functional Study and Normal-Mode Analysis of the Bindings and Vibrational Frequency Shifts of the Pyridine (M = Cu, Ag, Au, Cu+, Ag+, Au+, and Pt) Complexes. <b>2002</b> , 106, 9042-9052		153
2148	Coherent anti-stokes Raman scattering (CARS) correlation spectroscopy. <b>2002</b> , 3, 630-3		22
2147	Single molecule surface-enhanced resonance Raman scattering on colloidal silver and Langmuir-Blodgett monolayers coated with silver overlayers. <b>2002</b> , 33, 197-201		26

2146	What is observed in single molecule SERS, and why?. <b>2002</b> , 33, 593-598	203
2145	Single molecular detection of a perylene dye dispersed in a Langmuir-Blodgett fatty acid monolayer using surface-enhanced resonance Raman scattering. <b>2002</b> , 58, 403-9	27
2144	Single-molecule imaging and spectroscopy of adenine and an analog of adenine using surface-enhanced Raman scattering and fluorescence. <b>2002</b> , 98, 81-89	34
2143	Influence of lateral interactions on Raman scattering by molecules adsorbed on a solid surface: a model study. <b>2002</b> , 513, 57-70	
2142	Surface enhanced Raman scattering from transition metal nano-wire array and the theoretical consideration. <b>2002</b> , 514, 108-116	62
2141	Surface-enhanced Raman scattering detection of the breast cancer susceptibility gene BRCA1 using a silver-coated microarray platform. <b>2002</b> , 469, 149-154	128
2140	Single molecule photo-bleaching observed by surface enhanced resonant Raman scattering (SERRS). <b>2002</b> , 352, 378-384	59
2139	Electron relaxation dynamics in semicontinuous metal films on nanoparticle surfaces. <b>2002</b> , 356, 207-213	9
2138	A novel amplification mechanism for surface enhanced Raman scattering. <b>2002</b> , 366, 115-121	45
2137	Surface-enhanced Raman scattering and biophysics. <b>2002</b> , 14, R597-R624	680
2136	Surface-Enhanced Raman Scattering: From Noble to Transition Metals and from Rough Surfaces to Ordered Nanostructures. <b>2002</b> , 106, 9463-9483	1141
2135	Single-molecule imaging and spectroscopy using fluorescence and surface-enhanced Raman scattering. <b>2002</b> , 28, 573-85	23
2134	Interparticle Coupling Effects on Plasmon Resonances of Nanogold Particles. <b>2003</b> , 3, 1087-1090	1307
2133	Luminescent Blinking from Silver Nanostructures. <b>2003</b> , 107, 9989-9993	97
2132	Growth, morphology, and optical and electrical properties of semicontinuous metallic films. <b>2003</b> , 67,	95
2131	Surface plasmon amplification by stimulated emission of radiation: quantum generation of coherent surface plasmons in nanosystems. <i>Physical Review Letters</i> , <b>2003</b> , 90, 027402	7.4 1261
2130	Enhanced-Raman scattering from silicon nanoparticle substrates. <b>2003</b> , 382, 502-507	20
2129	Raman spectroscopy—a prospective tool in the life sciences. <b>2003</b> , 4, 14-30	254

2128	Interaction of anticancer drug cisplatin with guanine: density functional theory and surface-enhanced Raman spectroscopy study. <b>2003</b> , 72, 472-89	26
2127	Fluorescence properties of labeled proteins near silver colloid surfaces. <b>2003</b> , 70, 585-94	58
2126	Local and average electromagnetic enhancement in surface-enhanced Raman scattering from self-affine fractal metal substrates with nanoscale irregularities. <b>2003</b> , 367, 361-366	35
2125	High enhancement factor gold films for surface enhanced Raman spectroscopy. <b>2003</b> , 374, 302-306	84
2124	New limits in ultrasensitive trace detection by surface enhanced Raman scattering (SERS). <b>2003</b> , 375, 84-90	104
2123	Surface-induced photoreaction of 4-nitrobenzenethiol on silver: influence of SERS-active sites. <b>2003</b> , 378, 122-127	36
2122	On the chloride activation in SERS and single molecule SERS. <b>2003</b> , 661-662, 501-514	119
2121	Surface-enhanced Raman scattering spectroscopy and density functional theory calculation studies on adsorption of o-, m-, and p-nitroaniline on silver and gold colloid. <b>2003</b> , 661-662, 437-449	31
2120	SERS intensities of benzodiazines adsorbed on silver nanoparticles. <b>2003</b> , 651-653, 85-90	8
2119	Temporal fluctuations in the SERRS spectra of single iron protoporphyrin IX molecule. <b>2003</b> , 290, 297-306	38
2118	Probing nanoscale surface enhanced Raman-scattering fluctuation dynamics using correlated AFM and confocal ultramicroscopy. <b>2003</b> , 97, 89-102	46
2117	Plasmon resonant particles for biological detection. <b>2003</b> , 14, 13-22	321
2116	Silver-doped silica colloidal nanoparticles.. <b>2003</b> , 217, 185-189	13
2115	Near-field and confocal surface-enhanced resonance Raman spectroscopy at cryogenic temperatures. <b>2003</b> , 209, 162-6	18
2114	Near-field Raman spectroscopy using a sharp metal tip. <b>2003</b> , 210, 234-40	113
2113	Surface plasmon subwavelength optics. <b>2003</b> , 424, 824-30	8661
2112	Once again on the enhanced Raman scattering of light from a molecule near a small object. <b>2003</b> , 95, 368-376	2
2111	Near-field optics: from subwavelength illumination to nanometric shadowing. <b>2003</b> , 21, 1378-86	136

2110	Controlling the surface enhanced Raman effect via the nanoshell geometry. <b>2003</b> , 82, 257-259	372
2109	Continuum generation from single gold nanostructures through near-field mediated intraband transitions. <b>2003</b> , 68,	481
2108	Direct demonstration for changes in surface plasmon resonance induced by surface-enhanced Raman scattering quenching of dye molecules adsorbed on single Ag nanoparticles. <b>2003</b> , 83, 5557-5559	54
2107	Silver Nanodisk Growth by Surface Plasmon Enhanced Photoreduction of Adsorbed [Ag <sup>+</sup> ]. <b>2003</b> , 3, 1611-1615	465
2106	Toward a glucose biosensor based on surface-enhanced Raman scattering. <b>2003</b> , 125, 588-93	565
2105	Raman detection of proteomic analytes. <b>2003</b> , 75, 5703-9	159
2104	Raman Spectroscopy of Electrode Surfaces. <b>2003</b> ,	3
2103	Optical properties and ultrafast dynamics of metallic nanocrystals. <b>2003</b> , 54, 331-66	1121
2102	Single Molecule Raman Spectroscopy at the Junctions of Large Ag Nanocrystals. <b>2003</b> , 107, 9964-9972	759
2101	Airborne chemistry coupled to Raman spectroscopy. <b>2003</b> , 75, 2177-80	64
2100	Surface-enhanced resonance raman scattering: single-molecule detection in a Langmuir-Blodgett monolayer. <b>2003</b> , 57, 649-54	20
2099	Femtomolar detection of prostate-specific antigen: an immunoassay based on surface-enhanced Raman scattering and immunogold labels. <b>2003</b> , 75, 5936-43	720
2098	Optical properties of gold nanorings. <i>Physical Review Letters</i> , <b>2003</b> , 90, 057401	7.4 842
2097	Enhancing and Quenching Functions of Silver Nanoparticles on the Luminescent Properties of Europium Complex in the Solution Phase. <b>2003</b> , 107, 9161-9164	116
2096	Plasmon-Sampled Surface-Enhanced Raman Excitation Spectroscopy <b>2003</b> , 107, 7426-7433	613
2095	Near-field second-harmonic generation induced by local field enhancement. <i>Physical Review Letters</i> , <b>2003</b> , 90, 013903	7.4 482
2094	Spectroscopic tags using dye-embedded nanoparticles and surface-enhanced Raman scattering. <b>2003</b> , 75, 6171-6	458
2093	New biochip technology for label-free detection of pathogens and their toxins. <b>2003</b> , 53, 221-33	167

2092	Quantum nanoplasmonics: surface plasmon amplification by stimulated emission of radiation (SPASER). <b>2003</b> ,		
2091	Surface-enhanced Raman scattering in the ultraviolet spectral region: UV-SERS on rhodium and ruthenium electrodes. <b>2003</b> , 125, 9598-9		183
2090	Self-similar chain of metal nanospheres as an efficient nanolens. <i>Physical Review Letters</i> , <b>2003</b> , 91, 2274024		619
2089	Determination of single particle flow velocities in microchannels using a maximum likelihood estimator method. <b>2003</b> , 5, 3973		5
2088	Localized surface plasmon resonance immunoassay and verification using surface-enhanced Raman spectroscopy. <b>2003</b> ,		11
2087	SERS gene probe for DNA diagnostics. <b>2003</b> , 4958, 98		
2086	Raman spectroscopy of phonons in optically confined semiconductor nanostructures. <b>2003</b> , 18, S377-S385		3
2085	Self assembled gold and silver nanoparticulates on silicon nanotips as surface enhanced Raman active substrates. <b>2003</b> , 788, 251		
2084	Localized surface-plasmon polaritons in disordered nanostructured metal surfaces: Shape versus Anderson-localized resonances. <b>2003</b> , 68,		19
2083	Optimized surface-enhanced Raman scattering on gold nanoparticle arrays. <b>2003</b> , 82, 3095-3097		354
2082	Electromagnetic contribution to surface enhanced Raman scattering revisited. <b>2003</b> , 119, 5281-5289		83
2081	High-resolution near-field Raman microscopy of single-walled carbon nanotubes. <i>Physical Review Letters</i> , <b>2003</b> , 90, 095503	7-4	723
2080	The structural basis for giant enhancement enabling single-molecule Raman scattering. <b>2003</b> , 100, 8638-43		188
2079	Plasmon Resonances in Nanowires with a Nonregular Cross-Section. <b>2003</b> , 183-210		18
2078	Surface plasmon coupling between two nano Au particles.		
2077	Single Molecules, Single Nanoparticles and Their Optical Interaction. <b>2003</b> ,		
2076	Single-molecule surface enhanced resonance Raman spectroscopy of the enhanced green fluorescent protein. <b>2003</b> , 125, 8446-7		139
2075	Surface-enhanced Raman scattering of the tear film. <b>2003</b> ,		1

2074	Single molecule techniques for biomedicine and pharmacology. <b>2004</b> , 5, 243-59		20
2073	Self-similar chain of metal nanospheres as efficient nanolens. <b>2004</b> , IFC2		2
2072	Surface plasmon lasers and ultrafast nonlinear nanoplasmonic effects. <b>2004</b> , FThS4		
2071	The role of reductant oxidation state in the formation and function of gold nanoparticle aggregates for SERS applications. <b>2004</b> , 5513, 213		2
2070	Investigation of the blinking phenomenon in SERS. <b>2004</b> , 5513, 107		2
2069	Application of SERS nanoparticles for intracellular pH measurements. <b>2004</b> , 5512, 80		
2068	Ratio of the surface-enhanced anti-Stokes scattering to the surface-enhanced Stokes-Raman scattering for molecules adsorbed on a silver electrode. <b>2004</b> , 69,		65
2067	Resonant Raman spectroscopy of PAH-Os self-assembled multilayers. <b>2004</b> , 120, 1905-11		17
2066	Surface-enhanced Raman scattering from ordered Ag nanocluster arrays. <b>2004</b> , 121, 10657-9		41
2065	Enhanced second-harmonic generation by metal surfaces with nanoscale roughness: nanoscale dephasing, depolarization, and correlations. <i>Physical Review Letters</i> , <b>2004</b> , 92, 057402	7.4	134
2064	Microscopic Theory of Surface-Enhanced Raman Scattering in Noble-Metal Nanoparticles. <b>2004</b> , 846, DD8.9.1		
2063	Finite-Size Effects and Surface-Enhanced Raman Scattering in Noble-Metal Nanoparticles. <b>2004</b> , 818, 293		
2062	Surface-enhanced Raman scattering (SERS) detection for chemical and biological agents. <b>2004</b> , 5321, 302		3
2061	Novel multilayered SERS substrates for trace chemical and biochemical analysis. <b>2004</b> , 5588, 87		4
2060	A compact surface plasmon resonance and surface-enhanced Raman scattering sensing device. <b>2004</b> , 5327, 5		7
2059	Studying protein structural changes based on surface plasmon resonance and surface-enhanced Raman scattering. <b>2004</b> , 5327, 88		1
2058	An efficient nanolens: self-similar chain of metal nanospheres. <b>2004</b> ,		4
2057	Surface-enhanced Raman scattering on single-wall carbon nanotubes. <b>2004</b> , 362, 2361-73		40



2056	A nanoengineered sensor to detect vibrational modes of warfare agents/explosives using surface-enhanced Raman scattering. <b>2004,</b>	1
2055	Delivering energy to nanoscale: rapid adiabatic transformation, concentration, and stopping of radiation in nano-optics. <b>2004,</b>	1
2054	A comparison of electrochemical and colloidal surface enhanced resonance Raman scattering (SERRS) from two analytes designed to chemisorb to silver surfaces. <b>2004, 35, 51-57</b>	3
2053	Rapid and ultra-sensitive determination of enzyme activities using surface-enhanced resonance Raman scattering. <b>2004, 22, 1133-8</b>	166
2052	The use of nanocrystals in biological detection. <b>2004, 22, 47-52</b>	2626
2051	Optical detection of thymine dinucleoside monophosphate and its cis-syn photodimer by inorganic nanoparticles. <b>2004, 14, 407-15</b>	11
2050	Synthesis of Aucore@Agshell type bimetallic nanoparticles for single molecule detection in solution by SERS method. <b>2004, 6, 53-61</b>	58
2049	Unique Gold Nanoparticle Aggregates as a Highly Active Surface-Enhanced Raman Scattering Substrate. <b>2004, 108, 19191-19197</b>	292
2048	Surface plasmon mediated Raman scattering in metal nanoparticles. <b>2004, 69,</b>	67
2047	Plasmonic Nanomaterials. <b>2004, 173-200</b>	14
2046	Nanofocusing of optical energy in tapered plasmonic waveguides. <i>Physical Review Letters</i> , <b>2004, 93, 137404</b>	917
2045	Dephasing times of surface plasmon excitation in Au nanoparticles determined by persistent spectral hole burning. <b>2004, 386, 319-324</b>	30
2044	Applications of field-enhanced near-field optical microscopy. <b>2004, 100, 413-9</b>	25
2043	Photochemical deposition of SERS active silver nanoparticles on silica gel. <b>2004, 162, 625-632</b>	31
2042	Surface-enhanced Raman scattering from analytes adsorbed on gold nanoparticles inside polymer beads. <b>2004, 35, 826-834</b>	17
2041	Resonant excitation of tip plasmons for tip-enhanced Raman SNOM. <b>2004, 100, 437-41</b>	62
2040	Surface and resonance enhanced micro-Raman spectroscopy of xanthene dyes at the single-molecule level. <b>2004, 107, 13-20</b>	25
2039	Advances in the study of luminescence probes for proteins. <b>2004, 803, 173-90</b>	88

2038	Fluctuations of surface-enhanced Raman spectra of CO adsorbed on gold substrates. <b>2004</b> , 383, 76-79	58
2037	Raman scattering from single Ag aggregates in presence of EDTA. <b>2004</b> , 386, 244-247	23
2036	Surface-enhanced Raman scattering of thiourea adsorbed on the silver electrode: bond polarizability derivatives as elucidated from the Raman intensities. <b>2004</b> , 389, 298-302	21
2035	Evidence of electron-transfer in the SERS spectra of a single iron-protoporphyrin IX molecule. <b>2004</b> , 395, 222-226	22
2034	Engineering nanostructures for giant optical fields. <b>2004</b> , 397, 91-95	77
2033	Correlation of optical properties with structure of immobilised nanoparticles--a method for probing the mechanism of SERRS. <b>2004</b> , 129, 950-5	19
2032	Grafting of colloidal stable gold nanoparticles with lissamine rhodamine B: an original procedure for counting the number of dye molecules attached to the particles. <b>2004</b> , 14, 402-407	17
2031	Surface-enhanced resonance Raman scattering as an analytical tool for single molecule detection. <b>2004</b> , 129, 337	38
2030	Surface-enhanced Raman scattering on tunable plasmonic nanoparticle substrates. <b>2004</b> , 101, 17930-5	520
2029	Finite Element Method Simulations of the Near-Field Enhancement at the Vicinity of Fractal Rough Metallic Surfaces. <b>2004</b> , 108, 2939-2947	12
2028	Direct Observation of Heterogeneous Photochemistry on Aggregated Ag Nanocrystals Using Raman Spectroscopy: The Case of Photoinduced Degradation of Aromatic Amino Acids. <b>2004</b> , 108, 4187-4193	60
2027	Diffraction-Limited Photogeneration and Characterization of Silver Nanoparticles. <b>2004</b> , 108, 1604-1612	89
2026	Flashy Silver Nanoparticles. <b>2004</b> , 108, 2148-2153	93
2025	Evaluation of surface-enhanced resonance Raman scattering for quantitative DNA analysis. <b>2004</b> , 76, 412-7	225
2024	Phase-Delay Rabi-Flopping Spectroscopy: A Method Sensitive to Rydberg Species at Surfaces. <b>2004</b> , 108, 11285-11291	13
2023	Nanomechanical Resonance Tuning and Phase Effects in Optical Near-Field Interaction. <b>2004</b> , 4, 1669-1672	74
2022	Surface-enhanced Raman spectroscopy with a laser pointer light source and miniature spectrometer. <b>2004</b> , 82, 1435-1441	29
2021	Observation of molecules adsorbed on III-V semiconductor quantum dots by surface-enhanced Raman scattering. <b>2004</b> , 126, 7393-8	159

2020	Single molecule surface enhanced resonance Raman scattering (SERRS) of the enhanced green fluorescent protein (EGFP). <b>2004</b> ,		
2019	Infrared surface plasmons in two-dimensional silver nanoparticle arrays in silicon. <b>2004</b> , 85, 1317-1319		80
2018	Comparison of surface-enhanced resonance Raman scattering from unaggregated and aggregated nanoparticles. <b>2004</b> , 76, 592-8		146
2017	Application of tip-enhanced microscopy for nonlinear Raman spectroscopy. <b>2004</b> , 84, 1768-1770		54
2016	Surface-Enhanced Raman Scattering from Silver-Plated Porous Silicon. <b>2004</b> , 108, 11654-11659		165
2015	Single molecule raman spectroscopy and local work function fluctuations. <b>2004</b> , 44, 385-390		32
2014	Phase-sensitive spectroscopy of surface plasmons in individual metal nanostructures. <b>2004</b> , 69,		23
2013	Near-field microscopy by elastic light scattering from a tip. <b>2004</b> , 362, 787-805		420
2012	Unified treatment of fluorescence and raman scattering processes near metal surfaces. <i>Physical Review Letters</i> , <b>2004</b> , 93, 243002	7.4	169
2011	Self-assembled metal colloid films: two approaches for preparing new SERS active substrates. <b>2004</b> , 20, 1298-304		139
2010	Coherent control of nanoscale localization of ultrafast optical excitation in nanosystems. <b>2004</b> , 69,		80
2009	A glucose biosensor based on surface-enhanced Raman scattering: improved partition layer, temporal stability, reversibility, and resistance to serum protein interference. <b>2004</b> , 76, 78-85		329
2008	Self-Assembled Monolayer Coating for Normalization of Surface Enhanced Raman Spectra. <b>2004</b> , 4, 309-312		13
2007	Enhanced second harmonic generation by nanorough surfaces: nanoscale depolarization, dephasing, correlations, and giant fluctuations. <b>2004</b> ,		1
2006	Immunoassay using probe-labelling immunogold nanoparticles with silver staining enhancement via surface-enhanced Raman scattering. <b>2004</b> , 129, 63-8		177
2005	Gold nanoparticle embedded, self-sustained chitosan films as substrates for surface-enhanced Raman scattering. <b>2004</b> , 20, 10273-7		187
2004	Surface-enhanced Raman scattering: phenomenological approach. <b>2004</b> , 21, 429		7
2003	Silver-coated zeolite crystal films as surface-enhanced Raman scattering substrates. <b>2004</b> , 58, 18-25		19

2002	Novel method for preparing controllable and stable silver particle films for surface-enhanced Raman scattering spectroscopy. <b>2004</b> , 58, 26-32	9
2001	Surface-enhanced Raman spectroscopy as a tool for probing specific biochemical components in bacteria. <b>2004</b> , 58, 33-40	192
2000	Ultrasensitive detection of 1,4-Bis(4-vinylpyridyl)phenylene in a small volume of low refractive index liquid by surface-enhanced Raman scattering-active light waveguide. <b>2004</b> , 58, 414-9	18
1999	Characterization of novel Ag on TiO <sub>2</sub> films for surface-enhanced Raman scattering. <b>2004</b> , 58, 922-8	34
1998	Surface-enhanced infrared spectroscopy. <b>2004</b> , 58, 324A-338A	238
1997	Specific chemical effects on surface-enhanced Raman spectroscopy for ultra-sensitive detection of biological molecules. <b>2004</b> , 58, 1401-7	39
1996	Adsorption and reaction at electrochemical interfaces as probed by surface-enhanced Raman spectroscopy. <b>2004</b> , 55, 197-229	311
1995	Intracellular pH sensors based on surface-enhanced raman scattering. <b>2004</b> , 76, 7064-8	280
1994	Surface-Enhanced Raman Difference between Human Insulin and Insulin Lispro Detected with Adaptive Nanostructures. <b>2004</b> , 108, 18046-18052	91
1993	Plasmon Resonance of Finite One-Dimensional Au Nanoparticle Chains. <b>2004</b> , 4, 1067-1071	215
1992	Harnessing surface plasmons. <b>2004</b> , 5513, 86	1
1991	Surface-enhanced Raman scattering (SERS): nanoimaging probes for biological analysis. <b>2004</b> ,	3
1990	Ultrasensitive detection and manipulation of biomolecules. <b>2004</b> ,	
1989	Single-particle Raman measurements of gold nanoparticles used in surface-enhanced Raman scattering (SERS)-based sandwich immunoassays. <b>2004</b> , 5593, 464	7
1988	Near-field optics and spectroscopy for molecular nano-imaging. <b>2004</b> , 87, 25-49	17
1987	SPECTROSCOPIC STUDIES OF SOLID-ELECTROLYTE INTERPHASE ON POSITIVE AND NEGATIVE ELECTRODES FOR LITHIUM ION BATTERIES. <b>2004</b> , 140-197	1
1986	Surface-enhanced Raman scattering molecular nanoprobcs. <b>2005</b> ,	
1985	Ultrafast optical nonlinearities of plasmons in single gold nanorods. <b>2005</b> ,	1

1984	Calculation of evanescent field interaction with metallic nanoparticles immobilized on the air holes of solid-core photonic crystal fiber. <b>2005</b> ,	2
1983	SERS as sensing method for bio-molecules on MBE-grown quantum dots. <b>2005</b> ,	5
1982	Coherent Control of Ultrafast Linear and Nonlinear Optical Phenomena in Nanostructures. <b>2005</b> , 673-675	
1981	Ultrafast, nonlinear, and active nanoplasmonics. <b>2005</b> ,	
1980	Coherently tunable third-order nonlinearity in a nanojunction. <b>2005</b> , 38, L347-L355	4
1979	Coherent, nonlinear, and active nanoplasmonics.	
1978	A Novel Method for Forming Uniform Surface-Adsorbed Metal Particles and Development of a Localized Surface-Plasmon Resonance Sensor. <b>2005</b> , 57-92	1
1977	The monothiocyanate complexes of chromium ion(III) on the silver electrode by the surface enhanced Raman scattering. <b>2005</b> , 62, 415-9	3
1976	Surface Raman scattering studies on the adsorption of p-hydroxybenzoic acid at Au electrodes with ultraviolet excitation. <b>2005</b> , 576, 237-242	5
1975	Quantum-size effects in SERS from noble-metal nanoparticles. <b>2005</b> , 36, 559-563	14
1974	An investigation of the surface-enhanced Raman scattering (SERS) effect from a new substrate of silver-modified silver electrode. <b>2005</b> , 292, 469-75	17
1973	Surface-enhanced Raman activity and stability study of silver films prepared by reduction of Ag <sup>+</sup> ions in N,N-dimethylformamide. <b>2005</b> , 292, 455-61	12
1972	Probing single-molecule by surface-enhanced resonance Raman scattering with linearly and circularly polarized laser. <b>2005</b> , 251, 209-215	4
1971	Two-state analysis of single-molecule Raman spectra of crystal violet. <b>2005</b> , 318, 44-49	25
1970	Giant fluctuations of second harmonic generation on nanostructured surfaces. <b>2005</b> , 318, 156-162	7
1969	Surface-enhanced Raman scattering on colloidal nanostructures. <b>2005</b> , 116, 45-61	243
1968	Homogeneous surface-enhanced Raman scattering observed from self-assembled gold nanoparticle films deposited from the liquid-liquid interface. <b>2005</b> , 37, 189-193	11
1967	Adsorption of pyridine carboxylic acids on silver surface investigated by potential-dependent SERS. <b>2005</b> , 39, 106-113	17

1966	Characterization of thiolate-based mono- and bilayers by vibrational spectroscopy: A review. <b>2005</b> , 39, 200-213	68
1965	Electrochemically deposited silver particles for surface enhanced Raman spectroscopy. <b>2005</b> , 597, 102-109	14
1964	Single-molecule detection of yeast cytochrome c by Surface-Enhanced Raman Spectroscopy. <b>2005</b> , 113, 41-51	79
1963	Photo-dynamics on thin silver films. <b>2005</b> , 401, 52-57	23
1962	Silver nanoparticle array structures that produce giant enhancements in electromagnetic fields. <b>2005</b> , 403, 62-67	299
1961	Gold nanostructured films deposited on polystyrene colloidal crystal templates for surface-enhanced Raman spectroscopy. <b>2005</b> , 404, 3-8	77
1960	Conformational rotation of 2-amino-1-butanol adsorbed on the Ag and Au electrodes as evidenced by the surface enhanced Raman scattering. <b>2005</b> , 407, 533-536	
1959	Raman studies of rhodamine 6G and crystal violet sub-monolayers on electrochemically roughened silver substrates: Do dye molecules adsorb preferentially on highly SERS-active sites?. <b>2005</b> , 414, 271-275	161
1958	Tuning the surface plasmon resonance by preparation of gold-core/silver-shell and alloy nanoparticles. <b>2005</b> , 34, 165-168	46
1957	Detection of human immunodeficiency virus type 1 DNA sequence using plasmonics nanoprobles. <b>2005</b> , 77, 7810-5	201
1956	Plasmonic Materials for Surface-Enhanced Sensing and Spectroscopy. <b>2005</b> , 30, 368-375	544
1955	Enhanced semiconductor optical absorption via surface plasmon excitation in metal nanoparticles. <b>2005</b> , 86, 063106	910
1954	Surface-Enhanced Raman Spectroscopy. <b>2005</b> , 77, 338 A-346 A	870
1953	Large enhancement of fluorescence efficiency from CdSe/ZnS quantum dots induced by resonant coupling to spatially controlled surface plasmons. <b>2005</b> , 5, 1557-61	302
1952	A convenient approach to synthesize silver nanoshell covered functionalized polystyrene beads: A substrate for surface enhanced Raman scattering. <b>2005</b> , 59, 3986-3989	16
1951	Surface- and resonance-enhanced micro-Raman spectroscopy of xanthene dyes: from the ensemble to single molecules. <b>2005</b> , 6, 154-63	86
1950	Inherent complexities of trace detection by surface-enhanced Raman scattering. <b>2005</b> , 6, 2473-84	86
1949	Tip-enhanced Raman spectroscopy of benzenethiol adsorbed on Au and Pt single-crystal surfaces. <b>2004</b> , 44, 139-42	148

1948	Large-scale synthesis of silver nanocubes: the role of HCl in promoting cube perfection and monodispersity. <b>2005</b> , 44, 2154-7	528
1947	Spitzenverstärkte Raman-Spektroskopie von Benzolthiol, adsorbiert an Au- und Pt-Einkristalloberflächen. <b>2005</b> , 117, 141-144	13
1946	Large-Scale Synthesis of Silver Nanocubes: The Role of HCl in Promoting Cube Perfection and Monodispersity. <b>2005</b> , 117, 2192-2195	117
1945	Magnetic Nanocrescents as Controllable Surface-Enhanced Raman Scattering Nanoprobes for Biomolecular Imaging. <b>2005</b> , 17, 2683-2688	130
1944	Single-Molecule Detection and Manipulation in Nanotechnology and Biology. <b>2005</b> , 197-225	1
1943	Detailed analysis of single-molecule surface-enhanced resonance Raman scattering spectra of Rhodamine 6G obtained from isolated nano-aggregates of colloidal silver. <b>2005</b> , 36, 593-599	40
1942	Mapping single-molecule SERRS from Langmuir-Blodgett monolayers on nanostructured silver island films. <b>2005</b> , 36, 574-580	47
1941	Tip-enhanced Raman spectroscopy (TERS) of malachite green isothiocyanate at Au(111): bleaching behavior under the influence of high electromagnetic fields. <b>2005</b> , 36, 541-550	122
1940	Surface-enhanced resonance Raman scattering using pulsed and continuous-wave laser excitation. <b>2005</b> , 36, 600-605	7
1939	Surface-enhanced Raman spectroscopy with ultraviolet excitation. <b>2005</b> , 36, 606-612	39
1938	Surface-enhanced Raman scattering for medical diagnostics and biological imaging. <b>2005</b> , 36, 640-647	190
1937	Surface-enhanced Raman spectroscopy of bacteria: the effect of excitation wavelength and chemical modification of the colloidal milieu. <b>2005</b> , 36, 667-675	57
1936	Surface-enhanced resonance Raman scattering of rhodamine 6G on Pt nanoaggregates. <b>2005</b> , 36, 623-628	21
1935	Adaptive silver films for surface-enhanced Raman spectroscopy of biomolecules. <b>2005</b> , 36, 648-656	52
1934	Field enhancement and molecular response in surface-enhanced Raman scattering and fluorescence spectroscopy. <b>2005</b> , 36, 510-514	72
1933	Surface-enhanced Raman spectroscopy: a brief retrospective. <b>2005</b> , 36, 485-496	1369
1932	Surface-enhanced Raman sensors: early history and the development of sensors for quantitative biowarfare agent and glucose detection. <b>2005</b> , 36, 471-484	307
1931	New light on Ag-colloid preparation for surface-enhanced FT-Raman spectroscopy: the role of aggregation. <b>2005</b> , 36, 1015-1022	22

1930	Shape-controlled synthesis of metal nanostructures: the case of silver. <b>2005</b> , 11, 454-63	1261
1929	Interfacing capillary electrophoresis and surface-enhanced resonance Raman spectroscopy for the determination of dye compounds. <b>2005</b> , 382, 180-5	16
1928	Progress in plasmonic engineering of surface-enhanced Raman-scattering substrates toward ultra-trace analysis. <b>2005</b> , 382, 1751-70	356
1927	Electrochemical preparation of silver and gold nanoparticles: Characterization by confocal and surface enhanced Raman microscopy. <b>2005</b> , 597, 119-126	50
1926	Permeability of R6G across Cx43 hemichannels through a novel combination of patch clamp and surface enhanced Raman spectroscopy. <b>2005</b> , 65, 653-661	4
1925	Optically addressable selective nanovolume Raman spectroscopy of nanoparticles. <b>2005</b> , 7, 89-93	2
1924	Adatom Hypothesis as a Predominant Mechanism of Surface Enhanced Raman Scattering: A Review of Experimental Argumentation. <b>2005</b> , 41, 799-831	8
1923	Understanding complex surface-enhanced Raman scattering, using quantum chemical calculations. <b>2005</b> , 104, 681-694	27
1922	Tip-enhanced Near-field Raman Spectroscopy for Nano-imaging. <b>2005</b> , 26, 667-674	
1921	. <b>2005</b> ,	28
1920	Non-DNA Methods for Biological Signatures. <b>2005</b> , 251-294	3
1919	Adiabatic energy concentration in graded nanoplasmonic waveguides.	1
1918	Vibrational fingerprinting of bacterial pathogens by surface enhanced Raman scattering (SERS). <b>2005</b> ,	9
1917	Surface enhanced Raman scattering of nitroexplosives on nontraditional substrates. <b>2005</b> ,	1
1916	Irradiation of supported gold and silver nanoparticles with continuous-wave, nanosecond, and femtosecond laser light: a comparative study. <b>2005</b> ,	5
1915	Characterization and optimization of novel surface-enhanced Raman scattering (SERS)-based nanoimaging probes for chemical imaging. <b>2005</b> , 6007, 9	2
1914	Enhancement of Raman scattering for an atom or molecule near a metal nanocylinder: quantum theory of spontaneous emission and coupling to surface plasmon modes. <b>2005</b> , 122, 214726	17
1913	Radiative Decay Engineering. <b>2005</b> ,	4



1912	Interacting molecules on the surface of a dx <sub>2-y<sup>2</sup></sub> -wave superconductor. <b>2005</b> , 71,		3
1911	Unique gold sponges: biopolymer-assisted hydrothermal synthesis and potential application as surface-enhanced Raman scattering substrates. <b>2005</b> , 16, 2530-2535		25
1910	Evidence of multipolar excitations in surface enhanced Raman scattering. <b>2005</b> , 71,		99
1909	SERS in PAH-Os and gold nanoparticle self-assembled multilayers. <b>2005</b> , 123, 044707		28
1908	Nanosopic ultrafast space-time-resolved spectroscopy. <i>Physical Review Letters</i> , <b>2005</b> , 95, 093901	7.4	104
1907	Ly statistics of vibrational mode fluctuations of single molecules from surface-enhanced Raman scattering. <i>Physical Review Letters</i> , <b>2005</b> , 94, 068303	7.4	51
1906	Nanoparticle-free single molecule anti-stokes Raman spectroscopy. <i>Physical Review Letters</i> , <b>2005</b> , 94, 058301	7.4	107
1905	GENERALLY APPLICABLE SELF-MASKING TECHNIQUE FOR NANOTIPS ARRAY FABRICATION. <b>2005</b> , 04, 879-886		
1904	Optical forces between metallic particles. <b>2005</b> , 102, 1280-4		124
1903	Single-fiber probe based on surface enhanced Raman scattering (SERS).		
1902	Optimized Silver Film over Nanosphere Surfaces for the Biowarfare Agent Detection Based on Surface-Enhanced Raman Spectroscopy. <b>2005</b> , 876, 1		11
1901	Formation and Molecular Sensing Property of Silver Nanoparticles from Sputtered Silver Oxide Layers. <b>2005</b> , 876, 1		
1900	Scanning Near-Field Optical Microscopic Observation of Surface-Enhanced Raman Scattering Mediated by Metallic Particle-Surface Gap Modes. <b>2005</b> , 44, 5313-5318		6
1899	Ultra-sensitive compact fiber sensor based on nanoparticle surface enhanced Raman scattering. <b>2005</b> ,		9
1898	Plasmonics: Localization and guiding of electromagnetic energy in metal/dielectric structures. <b>2005</b> , 98, 011101		1418
1897	Role of nanoparticle surface charge in surface-enhanced Raman scattering. <b>2005</b> , 109, 3787-92		225
1896	Femtosecond imaging of surface plasmon dynamics in a nanostructured silver film. <b>2005</b> , 5, 1123-7		365
1895	Surface-enhanced Raman scattering and fluorescence near metal nanoparticles. <b>2005</b> , 72,		247

1894	Biological applications of localised surface plasmonic phenomenae. <b>2005</b> , 152, 13-32	218
1893	Surface-enhanced Raman spectroscopy biosensors: excitation spectroscopy for optimisation of substrates fabricated by nanosphere lithography. <b>2005</b> , 152, 195-206	42
1892	Nanoparticles with Tunable Localized Surface Plasmon Resonances. <b>2005</b> , 47-99	7
1891	Surface-Enhanced Raman Spectroscopy Using Self-Assembled Silver Nanoparticles on Silicon Nanotips. <b>2005</b> , 17, 553-559	86
1890	Single quantum dot coupled to a scanning optical antenna: a tunable superemitter. <i>Physical Review Letters</i> , <b>2005</b> , 95, 017402	7-4 500
1889	Vibrational imaging and microspectroscopies based on coherent anti-Stokes Raman scattering microscopy. <b>2005</b> , 38, R59-R81	199
1888	Nanomolecular histopathology for renal tumor classification. <b>2005</b> , 2006, 723-6	1
1887	Surface enhanced resonance Raman scattering detection by fluorimeter. <b>2005</b> , 130, 472-3	1
1886	Adaptive silver films for detection of antibody-antigen binding. <b>2005</b> , 21, 8368-73	52
1885	SERS and tunneling spectroscopy investigation of iron-protoporphyrin IX adsorbed on a silver tip. <b>2005</b> , 109, 16571-4	15
1884	Resonant optical antennas. <b>2005</b> , 308, 1607-9	1712
1883	Simultaneous multianalyte identification of molecular species involved in terrorism using Raman spectroscopy. <b>2005</b> , 5, 632-640	22
1882	Controlled texturing modifies the surface topography and plasmonic properties of Au nanoshells. <b>2005</b> , 109, 11083-7	148
1881	Polarized surface-enhanced Raman spectroscopy on coupled metallic nanowires. <b>2005</b> , 109, 15687-90	98
1880	2D correlation analysis of the continuum in single molecule surface enhanced Raman spectroscopy. <b>2005</b> , 127, 7292-3	54
1879	Surface plasmon resonance-mediated colloid gold monolayer junctions. <b>2005</b> , 127, 11902-3	31
1878	Nanowell surface enhanced Raman scattering arrays fabricated by soft-lithography for label-free biomolecular detections in integrated microfluidics. <b>2005</b> , 87, 074101	171
1877	Porous GaN as a template to produce surface-enhanced Raman scattering-active surfaces. <b>2005</b> , 109, 20186-91	76

1876	DNA-network-templated self-assembly of silver nanoparticles and their application in surface-enhanced Raman scattering. <b>2005</b> , 109, 23941-7	86
1875	Strong polarized enhanced raman scattering via optical tunneling through random parallel nanostructures in Au thin films. <b>2005</b> , 109, 401-5	26
1874	Surface enhanced Raman scattering investigation of the halide anion effect on the adsorption of 1,2,3-triazole on silver and gold colloidal nanoparticles. <b>2005</b> , 109, 9665-71	29
1873	Identification and characterization of active and inactive species for surface-enhanced resonance Raman scattering. <b>2005</b> , 109, 3454-9	30
1872	Direct imaging of surface-enhanced Raman scattering in the near field. <b>2005</b> , 21, 520-3	25
1871	Profiling an electrospray plume using surface-enhanced Raman spectroscopy. <b>2005</b> , 77, 8151-4	9
1870	Surface plasmon amplification by stimulated emission in nanolenses. <b>2005</b> , 71,	90
1869	Electrochemical ostwald ripening of colloidal ag particles on conductive substrates. <b>2005</b> , 5, 131-5	241
1868	Silver nanodisks: optical properties study using the discrete dipole approximation method. <b>2005</b> , 109, 23371-7	96
1867	Finite-difference time-domain studies of the optical properties of nanoshell dimers. <b>2005</b> , 109, 10042-51	197
1866	Dual layer and multilayer enhancements from silver film over nanostructured surface-enhanced Raman substrates. <b>2005</b> , 59, 410-7	49
1865	New strategy for ready application of surface-enhanced resonance Raman scattering/surface-enhanced Raman scattering to chemical analysis of organic films on dielectric substrates. <b>2005</b> , 59, 1217-21	4
1864	Nanofabrication of densely packed metal-polymer arrays for surface-enhanced Raman spectrometry. <b>2005</b> , 59, 1501-8	78
1863	Single-molecule detection of biomolecules by surface-enhanced coherent anti-Stokes Raman scattering. <b>2005</b> , 30, 1024-6	68
1862	Optical properties of nanoengineered gold blocks. <b>2005</b> , 30, 2158-60	81
1861	Surface-enhanced Raman scattering from individual au nanoparticles and nanoparticle dimer substrates. <b>2005</b> , 5, 1569-74	978
1860	Spectroscopically selective nanovolume Raman imaging of one single walled carbon nanotube. <b>2005</b> , 154, 201-204	1
1859	Confined plasmons in nanofabricated single silver particle pairs: experimental observations of strong interparticle interactions. <b>2005</b> , 109, 1079-87	447

- 1858 Silver nanowire layer-by-layer films as substrates for surface-enhanced Raman scattering. **2005**, 77, 378-82 107
- 1857 Glucose sensing using near-infrared surface-enhanced Raman spectroscopy: gold surfaces, 10-day stability, and improved accuracy. **2005**, 77, 4013-9 169
- 1856 A nondestructive tool for nanomaterials: Raman and photoluminescence spectroscopy. **2005**, 73, 224-233 19
- 1855 Surface-enhanced Raman scattering sensor based on D-shaped fiber. **2005**, 87, 123105 63
- 1854 Wavelength-scanned surface-enhanced Raman excitation spectroscopy. **2005**, 109, 11279-85 817
- 1853 Characterization of the surface enhanced raman scattering (SERS) of bacteria. **2005**, 109, 312-20 432
- 1852 Enhancement of platinum octaethyl porphyrin phosphorescence near nanotextured silver surfaces. **2005**, 127, 6087-94 76
- 1851 Plasmonics-based nanostructures for surface-enhanced Raman scattering bioanalysis. **2005**, 300, 255-83 22
- 1850 Imaging surface plasmon of gold nanoparticle arrays by far-field Raman scattering. **2005**, 5, 253-8 53
- 1849 Cu nanoshells: effects of interband transitions on the nanoparticle plasmon resonance. **2005**, 109, 18218-22 166
- 1848 Grating-induced plasmon mode in gold nanoparticle arrays. **2005**, 123, 221103 97
- 1847 Adiabatic nanofocusing of plasmons by sharp metallic grooves: Geometrical optics approach. **2005**, 98, 104302 105
- 1846 Optical properties of coupled metallic nanorods for field-enhanced spectroscopy. **2005**, 71, 472
- 1845 Surface-enhanced Raman spectroscopy of molecular motors. **2005**, 5763, 117
- 1844 Plasmon resonances on metal tips: understanding tip-enhanced Raman scattering. **2005**, 122, 184716 112
- 1843 Role of localized surface plasmons in surface-enhanced Raman scattering of shape-controlled metallic particles in regular arrays. **2005**, 72, 170
- 1842 Real-time glucose sensing by surface-enhanced Raman spectroscopy in bovine plasma facilitated by a mixed decanethiol/mercaptohexanol partition layer. **2005**, 77, 6134-9 188
- 1841 Isotope edited internal standard method for quantitative surface-enhanced Raman spectroscopy. **2005**, 77, 3563-9 88

1840	Surface-enhanced Raman scattering based approach for quantitative determination of creatinine in human serum. <b>2005</b> , 77, 7386-92	95
1839	. <b>2005</b> , 5, 665-670	35
1838	DFT vibrational calculations of rhodamine 6G adsorbed on silver: analysis of tip-enhanced Raman spectroscopy. <b>2005</b> , 109, 5012-20	282
1837	Surface-enhanced raman scattering on dendrimer/metallic nanoparticle layer-by-layer film substrates. <b>2005</b> , 21, 5576-81	88
1836	RAMAN SPECTROSCOPY   Surface-Enhanced. <b>2005</b> , 110-118	1
1835	Nanophotonic crescent moon structures with sharp edge for ultrasensitive biomolecular detection by local electromagnetic field enhancement effect. <b>2005</b> , 5, 119-24	381
1834	Plasmon hybridization in nanoshell dimers. <b>2005</b> , 123, 24701	84
1833	Enhanced second harmonic generation in a self-similar chain of metal nanospheres. <b>2005</b> , 72,	69
1832	Electroless synthesis of Ag nanoparticles on deposited nanostructured Si films. <b>2005</b> , 109, 20779-85	27
1831	Multipolar excitation in triangular nanoprisms. <b>2005</b> , 123, 114713	237
1830	ADHESION AND DE-ADHESION MECHANISMS AT POLYMER/METAL INTERFACES: Mechanistic Understanding Based on In Situ Studies of Buried Interfaces. <b>2005</b> , 35, 571-615	95
1829	Surface-enhanced Raman scattering studies on immunoassay. <b>2005</b> , 10, 031112	52
1828	Playing with Plasmons: Tuning the Optical Resonant Properties of Metallic Nanoshells. <b>2005</b> , 30, 362-367	243
1827	Composite organic-inorganic nanoparticles (COINs) with chemically encoded optical signatures. <b>2005</b> , 5, 49-54	258
1826	Enumeration of DNA molecules bound to a nanomechanical oscillator. <b>2005</b> , 5, 925-9	211
1825	Surface enhanced Raman scattering effects of silver colloids with different shapes. <b>2005</b> , 109, 12544-8	329
1824	PREPARATION OF GOLD NANOPARTICLES WITH NARROW SIZE DISTRIBUTIONS AND WELL DEFINED SHAPES. <b>2005</b> , 19, 2604-2609	23
1823	Surface-plasmon resonance of Ag nanoparticles in polyimide. <b>2005</b> , 98, 084309	28

1822	Protein Nanotechnology. <b>2005</b> ,	10
1821	Optical response of strongly coupled metal nanoparticles in dimer arrays. <b>2005</b> , 71,	39
1820	Nanosphere arrays with controlled sub-10-nm gaps as surface-enhanced raman spectroscopy substrates. <b>2005</b> , 127, 14992-3	568
1819	Polarization and phase control of remote surface-plasmon-mediated two-photon-induced emission and waveguiding. <b>2006</b> , 6, 2804-9	19
1818	Surface-Enhanced Raman Scattering. <b>2006</b> ,	462
1817	Self-limiting aggregation leads to long-lived metastable clusters in colloidal solutions. <b>2006</b> , 110, 6040-7	81
1816	Surface-enhanced raman scattering of pyrazine at the junction between two Ag20 nanoclusters. <b>2006</b> , 6, 1229-34	196
1815	Surface-enhanced Raman spectroscopy of half-mustard agent. <b>2006</b> , 131, 568-72	93
1814	SERS probes for the detection and imaging of biochemical species on the nanoscale. <b>2006</b> , 6380, 18	1
1813	Silver-particle-based surface-enhanced Raman scattering spectroscopy for biomolecular sensing and recognition. <b>2006</b> , 22, 3421-7	49
1812	Nanoscale resolved infrared probing of crystal structure and of plasmon-phonon coupling. <b>2006</b> , 6, 774-8	48
1811	Studying SERS from Metal Nanoparticles and Nanoparticles Aggregates with Continuum Models. <b>2006</b> , 105-123	5
1810	Study of molecular junctions with a combined surface-enhanced Raman and mechanically controllable break junction method. <b>2006</b> , 128, 14748-9	180
1809	Adiabatic and nonadiabatic nanofocusing of plasmons by tapered gap plasmon waveguides. <b>2006</b> , 89, 041111	120
1808	Surface-enhanced Raman optical activity on adenine in silver colloidal solution. <b>2006</b> , 78, 1363-6	63
1807	Multifunctional microscope for far-field and tip-enhanced Raman spectroscopy. <b>2006</b> , 77, 023104	36
1806	Probing strong optical fields in compact aggregates of silver nanoparticles by SERRS of protoporphyrin IX. <b>2006</b> , 132, 121-34; discussion 147-58	18
1805	Agarose-stabilized gold nanoparticles for surface-enhanced Raman spectroscopic detection of DNA nucleosides. <b>2006</b> , 88, 153114	41

1804	Surface-enhanced Raman scattering at the silver electrode/ionic liquid (BMIPF6) interface. <b>2006</b> , 110, 20379-85	95
1803	Resonance Raman scattering of rhodamine 6G as calculated using time-dependent density functional theory. <b>2006</b> , 110, 5973-7	303
1802	Single-Molecule SERS Spectroscopy. <b>2006</b> , 261-277	52
1801	Near-field imaging of optical field and plasmon wavefunctions in metal nanoparticles. <b>2006</b> , 16, 3920	58
1800	Pyridine-Ag <sub>20</sub> cluster: a model system for studying surface-enhanced Raman scattering. <b>2006</b> , 128, 2911-9	430
1799	Surface-Enhanced Raman Scattering for Biomedical Diagnostics and Molecular Imaging. <b>2006</b> , 409-426	25
1798	Localized surface plasmon resonance spectroscopy near molecular resonances. <b>2006</b> , 128, 10905-14	209
1797	A quantum mechanical approach to an analytical expression of the single-molecule-single-nanoparticle surface enhanced raman scattering. <b>2006</b> ,	
1796	Re-examining the origins of spectral blinking in single-molecule and single-nanoparticle SERS. <b>2006</b> , 132, 249-59; discussion 309-19	96
1795	Tip-Enhanced Raman Spectroscopy [Recent Developments and Future Prospects. <b>2006</b> , 377-418	1
1794	Scanning-probe Raman spectroscopy with single-molecule sensitivity. <b>2006</b> , 73,	209
1793	Overlapping Double-Hole Nanostructure in a Metal Film for Localized Field Enhancement. <b>2006</b> , 12, 1228-1232	14
1792	Biosensing using silver nanoparticles and surface enhanced resonance Raman scattering. <b>2006</b> , 4363-71	96
1791	Anomalous polarized absorbance spectra of aligned Ag nanorod arrays. <b>2006</b> , 89, 053117	21
1790	Hollow core photonic crystal fiber surface-enhanced Raman probe. <b>2006</b> , 89, 204101	86
1789	Electromagnetic Theory of SERS. <b>2006</b> , 47-65	57
1788	Quantitative Surface-Enhanced Resonance Raman Spectroscopy for Analysis. <b>2006</b> , 381-396	13
1787	Arrays of microdots of gold nanoparticles immobilized above gold surface probed by optical second-harmonic microscopy. <b>2006</b> , 88, 103102	6

1786	Atomic force microscopy based, multiphoton, photoelectron emission imaging. <b>2006</b> , 89, 013110	6
1785	On the connection between optical absorption/extinction and SERS enhancements. <b>2006</b> , 8, 3083-7	107
1784	Practical control of SERRS enhancement. <b>2006</b> , 132, 135-45; discussion 147-58	63
1783	Vibrational pumping and heating under SERS conditions: fact or myth?. <b>2006</b> , 132, 63-75; discussion 85-94	26
1782	Variations in steady-state and time-resolved background luminescence from surface-enhanced resonance Raman scattering-active single Ag nanoaggregates. <b>2006</b> , 110, 21536-44	41
1781	Exploring three-dimensional nanosystems with Raman spectroscopy: methylene blue adsorbed on thiol and sulfur monolayers on gold. <b>2006</b> , 110, 354-60	40
1780	SERS signals at the anti Stokes side of the excitation laser in extremely high local optical fields of silver and gold nanoclusters. <b>2006</b> , 132, 27-33; discussion 85-94	12
1779	A TEM and electron energy loss spectroscopy (EELS) investigation of active and inactive silver particles for surface enhanced resonance Raman spectroscopy (SERRS). <b>2006</b> , 132, 171-8; discussion 227-47	26
1778	Plasmonics: Metal Nanostructures for Subwavelength Photonic Devices. <b>2006</b> , 12, 1214-1220	86
1777	Synthesis of AgcoreAushell bimetallic nanoparticles for immunoassay based on surface-enhanced Raman spectroscopy. <b>2006</b> , 110, 4002-6	273
1776	Silver nanocrystal superlattice coating for molecular sensing by surface-enhanced Raman spectroscopy. <b>2006</b> , 89, 131914	38
1775	One-step synthesis of monodisperse silver nanoparticles beneath vitamin E Langmuir monolayers. <b>2006</b> , 110, 6615-20	79
1774	Surface-enhanced Raman scattering in local optical fields of silver and gold nanoaggregates-from single-molecule Raman spectroscopy to ultrasensitive probing in live cells. <b>2006</b> , 39, 443-50	564
1773	Ultrafast resonant optical scattering from single gold nanorods: Large nonlinearities and plasmon saturation. <b>2006</b> , 73,	111
1772	Enhanced radiation of a dipole placed between a metallic surface and a nanoparticle. <b>2006</b> , 8, S161-S173	20
1771	Surface-enhanced Raman characteristics of Ag cap aggregates on silicon nanowire arrays. <b>2006</b> , 17, 5769-5772	55
1770	One-dimensional arrays of nanoshell dimers for single molecule spectroscopy via surface-enhanced Raman scattering. <b>2006</b> , 125, 081102	32
1769	Engineering Nanostructures for Single-Molecule Surface-Enhanced Raman Spectroscopy. <b>2006</b> , 46, 283-291	1



1768	Surface-Enhanced Raman Scattering on Silver Nanoparticles in Different Aggregation Stages. <b>2006</b> , 46, 299-305	27
1767	Normal Bands in Surface-Enhanced Raman Scattering (SERS) and Their Relation to the Electron-Hole Pair Excitation Background in SERS. <b>2006</b> , 46, 307-315	27
1766	A Theoretical Study on SERS Intensity of Pyridine Adsorbed on Transition Metal Electrodes. <b>2006</b> , 46, 317-327	15
1765	Surface-Enhanced Raman Scattering (SERS) of Microorganisms. <b>2006</b> , 46, 337-346	10
1764	Rapid and sensitive detection of respiratory virus molecular signatures using a silver nanorod array SERS substrate. <b>2006</b> , 6, 2630-6	514
1763	Gold films deposited over regular arrays of polystyrene nanospheres as highly effective SERS substrates from visible to NIR. <b>2006</b> , 110, 23982-6	105
1762	Proof of single-molecule sensitivity in surface enhanced Raman scattering (SERS) by means of a two-analyte technique. <b>2006</b> , 110, 1944-8	427
1761	Surface enhanced Raman spectroscopy: new materials, concepts, characterization tools, and applications. <b>2006</b> , 132, 9-26	499
1760	Plasmon modes of nanosphere trimers and quadrumers. <b>2006</b> , 110, 12302-10	220
1759	Surface-Enhanced Raman Spectroscopy: a Brief Perspective. <b>2006</b> , 1-17	93
1758	Coupled Plasmonic Plasmon/Photonic Resonance Effects in SERS. <b>2006</b> , 67-85	14
1757	Electronic Mechanisms of SERS. <b>2006</b> , 147-182	37
1756	Facile method to prepare surface-enhanced-Raman-scattering-active Ag nanostructures on silica spheres. <b>2006</b> , 22, 8083-8	89
1755	Raman Scattering in Resonant Cavities. <b>2006</b> , 17-110	10
1754	Surface-Enhanced Raman Scattering (SERS) of Single Molecules. <b>2006</b> , 241-257	
1753	A conclusive demonstration of vibrational pumping under surface enhanced Raman scattering conditions. <b>2006</b> , 110, 11757-60	36
1752	Applications of the Enhancement of Resonance Raman Scattering and Fluorescence by Strongly Coupled Metallic Nanostructures. <b>2006</b> , 197-216	2
1751	Waveguide cavity surface-enhanced Raman scattering. <b>2006</b> , 73,	10

1750	Terahertz surface plasmon-polariton propagation and focusing on periodically corrugated metal wires. <i>Physical Review Letters</i> , <b>2006</b> , 97, 176805	7.4	546
1749	One-dimensional colloidal gold and silver nanostructures. <b>2006</b> , 45, 7544-54		333
1748	Toward Raman fingerprints of single dye molecules at atomically smooth Au(111). <b>2006</b> , 128, 14721-7		162
1747	Laser-activated surface-enhanced Raman scattering substrates capable of single molecule detection. <b>2006</b> , 89, 233103		22
1746	Surface-enhanced Raman scattering from Ag nanoparticles formed by visible laser irradiation of thermally annealed AgOx thin films. <b>2006</b> , 100, 074303		17
1745	Tunable and augmented plasmon resonances of AuBiO <sub>2</sub> Au nanodisks. <b>2006</b> , 88, 063118		85
1744	The plasmon band in noble metal nanoparticles: an introduction to theory and applications. <b>2006</b> , 30, 1121		515
1743	From micro to nano: analysis of surface-enhanced resonance Raman spectroscopy active sites via multiscale correlations. <b>2006</b> , 78, 224-30		31
1742	Finite element simulations of tip-enhanced Raman and fluorescence spectroscopy. <b>2006</b> , 110, 6692-8		94
1741	Raman enhancement factor of a single tunable nanoplasmonic resonator. <b>2006</b> , 110, 3964-8		56
1740	Selection rules of the charge transfer mechanism of surface-enhanced Raman scattering: The effect of the adsorption on the relative intensities of pyrimidine bonded to silver nanoclusters. <b>2006</b> , 110, 14916-22		51
1739	Elucidation of interaction between metal-free tetraphenylporphine and surface Ag atoms through temporal fluctuation of surface-enhanced resonance Raman scattering and background-light emission. <b>2006</b> , 110, 9579-85		31
1738	Visualization of localized intense optical fields in single gold-nanoparticle assemblies and ultrasensitive Raman active sites. <b>2006</b> , 6, 2173-6		219
1737	Enhanced fluorescence of Cy5-labeled oligonucleotides near silver island films: a distance effect study using single molecule spectroscopy. <b>2006</b> , 110, 22557-62		58
1736	Surface-enhanced resonance Raman scattering spectroscopy of single R6G molecules. <b>2006</b> , 15, 126-131		12
1735	Electromagnetic modelling of Raman enhancement from nanoscale substrates: a route to estimation of the magnitude of the chemical enhancement mechanism in SERS. <b>2006</b> , 132, 201-13; discussion 227-47		46
1734	Surface-enhanced Raman spectroscopy of dodecanethiol-bound silver nanoparticles at the liquid/liquid interface. <b>2006</b> , 22, 6562-9		51
1733	Detection of alkaline phosphatase using surface-enhanced Raman spectroscopy. <b>2006</b> , 78, 3379-84		211

1732	Role of O <sub>2</sub> in inducing intensive fluctuations of surface-enhanced Raman scattering spectra. <b>2006</b> , 110, 12610-5	13
1731	Surface-enhanced hyper-Raman scattering (SEHRS) on Ag film over Nanosphere (FON) electrodes: surface symmetry of centrosymmetric adsorbates. <b>2006</b> , 22, 10354-64	71
1730	Resonant waveguide field enhancement in dimers. <b>2006</b> , 31, 3348-50	2
1729	In vivo molecular probing of cellular compartments with gold nanoparticles and nanoaggregates. <b>2006</b> , 6, 2225-31	425
1728	Symmetry breaking in individual plasmonic nanoparticles. <b>2006</b> , 103, 10856-60	246
1727	Finite-size effects in surface-enhanced Raman scattering in noble-metal nanoparticles: a semiclassical approach. <b>2006</b> , 23, 1369-74	23
1726	Chirality arising from small defects in gold nanoparticle arrays. <b>2006</b> , 14, 950-5	69
1725	Resonant-plasmon field enhancement from asymmetrically illuminated conical metallic-probe tips. <b>2006</b> , 14, 2921-31	117
1724	Hot spots in silver nanowire bundles for surface-enhanced Raman spectroscopy. <b>2006</b> , 128, 2200-1	474
1723	Tip-Enhanced Raman Spectroscopy (TERS). <b>2006</b> , 217-240	50
1722	Single molecule Raman scattering. <b>2006</b> , 60, 322A-334A	112
1721	Multilayer enhanced gold film over nanostructure surface-enhanced Raman substrates. <b>2006</b> , 60, 1377-85	26
1720	TDDFT studies of absorption and SERS spectra of pyridine interacting with Au <sub>20</sub> . <b>2006</b> , 110, 13317-24	150
1719	Electromagnetic Mechanism of SERS. <b>2006</b> , 19-45	307
1718	On the importance of optical forces in surface-enhanced Raman scattering (SERS). <b>2006</b> , 132, 35-44; discussion 85-94	40
1717	Designing Plasmonic Nanomaterials as Sensors of Biochemical Transport. <b>2006</b> , 4, 9-18	13
1716	Nucleic Acid and Protein Single Molecule Detection and Characterization. <b>2006</b> ,	
1715	. <b>2006</b> ,	619

1714	Near-field Imaging of Surface-enhanced Raman Active Sites in Aggregated Gold Nanoparticles. <b>2006</b> , 35, 78-79	41
1713	Plasmonic substrates for surface-enhanced spectroscopies. <b>2006</b> ,	
1712	Enhanced raman spectroscopy of 2,4,6-TNT in anatase and rutile titania nanocrystals. <b>2006</b> , 6203, 210	2
1711	Towards atomic site-selective sensitivity in tip-enhanced Raman spectroscopy. <b>2006</b> , 125, 244706	67
1710	Enhanced Raman scattering mediated by metallic surface-particle gap modes. <b>2006</b> , 2, 141-152	1
1709	An investigation into the influence of secondary structures for DNA hybridization using surface plasmon resonance and surface-enhanced Raman scattering. <b>2006</b> ,	2
1708	Plasmons in nanostructures with reduced symmetry. <b>2006</b> ,	1
1707	Nanoscale optical spectroscopy and detection. <b>2006</b> ,	
1706	Characterization of novel gold SERS substrates with multilayer enhancements. <b>2006</b> ,	2
1705	Detecting the Fingerprints of Life: Current Status and Recent Advances. <b>2006</b> ,	
1704	Multilayer enhanced SERS active materials: fabrication, characterization, and application to trace chemical detection. <b>2006</b> ,	2
1703	Investigating the secondary structures of long oligonucleotides using attenuated-total-reflection surface-enhanced Raman spectroscopy. <b>2006</b> , 6323, 233	
1702	SERS and MEF: promising techniques for biomedicine. <b>2006</b> ,	2
1701	SERRS-active nanoparticle-polymer beads for ultra-sensitive biodiagnostic applications. <b>2006</b> , 1, 57	5
1700	Plasmonics: the next chip-scale technology. <b>2006</b> , 9, 20-27	580
1699	Classification of single-molecule surface-enhanced resonance Raman spectra of Rhodamine 6G from isolated Ag colloidal particles by principal component analysis. <b>2006</b> , 40, 184-191	10
1698	Surface-enhanced Raman scattering studies on the adsorption of p-nitrobenzoic acid at Au electrode under different potential with ultraviolet excitation. <b>2006</b> , 40, 197-201	3
1697	Analysis of the performance of interferometry, surface plasmon resonance and luminescence as biosensors and chemosensors. <b>2006</b> , 569, 1-20	108

1696	Time-dependent study of single-molecule SERS signal from yeast cytochrome c. <b>2006</b> , 326, 356-362	22
1695	Raman and SERS investigation of isolated sp carbon chains. <b>2006</b> , 417, 78-82	94
1694	SERS from molecules adsorbed on small Ag nanoparticles: A microscopic model. <b>2006</b> , 420, 469-473	19
1693	Surface enhanced Raman scattering on gold nanowire arrays: Evidence of strong multipolar surface plasmon resonance enhancement. <b>2006</b> , 422, 303-307	116
1692	Probing the enhancement mechanisms of SERS with p-aminothiophenol molecules adsorbed on self-assembled gold colloidal nanoparticles. <b>2006</b> , 422, 127-132	91
1691	Rigorous justification of the $ E ^4$ enhancement factor in Surface Enhanced Raman Spectroscopy. <b>2006</b> , 423, 63-66	298
1690	A computational study of the interaction of light with silver nanowires of different eccentricity. <b>2006</b> , 427, 383-389	4
1689	Fluctuations of Raman spectra of hydrogenated amorphous carbon deposited on electrochemically-roughened silver. <b>2006</b> , 427, 206-209	27
1688	A density functional theory and resonance Raman study of a benzotriazole dye used in surface enhanced resonance Raman scattering. <b>2006</b> , 789, 59-70	9
1687	Nanoprobes and nanobiosensors for monitoring and imaging individual living cells. <b>2006</b> , 2, 22-30	73
1686	Correlated measurements of plasmon resonance Rayleigh scattering and surface-enhanced resonance Raman scattering using a dark-field microspectroscopic system. <b>2006</b> , 183, 322-328	40
1685	Molecular detection in a micro channel using silver-oxide thin film. <b>2006</b> , 83, 1626-1629	4
1684	Relation between the photoreaction of p-nitrobenzoic acid onto silver-coated filters and the surface roughness, as detected by SERS and AFM. <b>2006</b> , 600, 2096-2102	14
1683	Effect of electromagnetic interactions on plasmon excitations in silver particle ensembles. <b>2006</b> , 600, 128-133	7
1682	Growth of Ag nanoclusters on a 1D template. <b>2006</b> , 600, 2943-2953	20
1681	Ultrasound-assisted levitation: Lab-on-a-drop. <b>2006</b> , 25, 856-867	51
1680	Improved method for fluorophore deposition atop a polyelectrolyte spacer for quantitative study of distance-dependent plasmon-assisted luminescence. <b>2006</b> , 17, 5201-5206	26
1679	SURFACE-ENHANCED RAMAN SCATTERING. <b>2006</b> , 239-259	1

1678	Quantitation of metal content in the silver-assisted growth of gold nanorods. <b>2006</b> , 110, 3990-4		605
1677	Nanorice: a hybrid plasmonic nanostructure. <b>2006</b> , 6, 827-32		661
1676	Biomolecule Sensing with Adaptive Plasmonic Nanostructures. <b>2006</b> , 351-366		5
1675	Antisymmetric plasmon resonance in coupled gold nanoparticles as a sensitive tool for detection of local index of refraction. <b>2006</b> , 88, 124103		18
1674	Estimating resonance enhancement of Raman scattering by metal adatom-adsorbate complexes. <b>2006</b> , 42, 183-189		
1673	Absorbance spectra of aligned Ag nanorod arrays prepared by oblique angle deposition. <b>2006</b> , 100, 063527		69
1672	Enhancement of single-molecule fluorescence using a gold nanoparticle as an optical nanoantenna. <i>Physical Review Letters</i> , <b>2006</b> , 97, 017402	7.4	1201
1671	Effective Mode Volume of Nanoscale Plasmon Cavities. <b>2006</b> , 38, 257-267		60
1670	A new SERS-active sandwich structure. <b>2006</b> , 11, 150-154		12
1669	Modeling of regular gold nanostructures arrays for SERS applications using a 3D FDTD method. <b>2006</b> , 84, 111-115		49
1668	Adaptive ultrafast nano-optics in a tight focus. <b>2006</b> , 84, 89-95		17
1667	Plasmonic structure and electromagnetic field enhancements in the metallic nanoparticle-film system. <b>2006</b> , 84, 35-41		76
1666	Double nanohole apex-enhanced transmission in metal films. <b>2006</b> , 84, 25-28		25
1665	Adiabatic nano-focusing of plasmons by sharp metallic wedges. <b>2006</b> , 86, 7-17		41
1664	Label-free detection of proteins using SERS-based immuno-nanosensors. <b>2006</b> , 2, 17-28		28
1663	Theoretical study on single-molecule spectroscopy. <b>2006</b> , 1, 405-411		1
1662	Far-Field Raman Imaging of Short-Wavelength Particle Plasmons on Gold Nanorods. <b>2006</b> , 1, 35-39		24
1661	Photochemical Synthesis and Multiphoton Luminescence of Monodisperse Silver Nanocrystals. <b>2006</b> , 1, 45-51		34

1660	Substrate development for surface-enhanced Raman study of photocatalytic degradation processes: Congo red over silver modified titanium dioxide films. <b>2006</b> , 69, 34-42	51
1659	Formation of novel assembled silver nanostructures from polyglycol solution. <b>2006</b> , 100, 313-318	12
1658	An integrated instrumental setup for the combination of atomic force microscopy with optical spectroscopy. <b>2006</b> , 82, 410-4	28
1657	Bioconjugated Ag nanoparticles and CdTe nanowires: metamaterials with field-enhanced light absorption. <b>2006</b> , 45, 4819-23	108
1656	Surface enhanced Raman scattering phenomenon. <b>2006</b> , 41, 562-569	5
1655	Field-enhanced scanning near-field optical microscopy. <b>2006</b> , 69, 563-79	51
1654	Application of surface-enhanced Raman scattering (SERS) for the identification of anthraquinone dyes used in works of art. <b>2006</b> , 37, 520-527	106
1653	On the significance of Shalaev's Hot spots in ensemble and single-molecule SERS by adsorbates on metallic films at the percolation threshold. <b>2006</b> , 37, 937-947	61
1652	Application of surface-enhanced Raman scattering techniques to the ultrasensitive identification of natural dyes in works of art. <b>2006</b> , 37, 981-992	197
1651	Bioconjugated Ag Nanoparticles and CdTe Nanowires: Metamaterials with Field-Enhanced Light Absorption. <b>2006</b> , 118, 4937-4941	18
1650	Highly Raman-Enhancing Substrates Based on Silver Nanoparticle Arrays with Tunable Sub-10 nm Gaps. <b>2006</b> , 18, 491-495	428
1649	Metal-Silica Hybrid Nanostructures for Surface-Enhanced Raman Spectroscopy. <b>2006</b> , 18, 2829-2832	76
1648	Optical properties and enhancement factors of the tips for apertureless near-field optics. <b>2006</b> , 8, S183-S190	58
1647	Surface-enhanced Raman scattering on the nanoscale: a microscopic approach. <b>2006</b> , 8, S208-S212	6
1646	Probing the Raman scattering tensors of individual molecules. <b>2006</b> , 110, 2459-61	56
1645	SERS substrates produced by tailor-made metal nanoparticles. <b>2006</b> ,	4
1644	Surface enhanced Raman scattering of a surface plasma wave. <b>2006</b> , 39, 4436-4439	23
1643	Conformations of single chains of conjugated polymers by plasmon-enhanced Raman scattering. <b>2006</b> , 6323, 200	

1642	Effects of chromophore orientation and molecule conformation on surface-enhanced Raman scattering studied with alkanolic acids and colloidal silver nanoparticles. <b>2006</b> , 125, 234706	15
1641	Time-Resolved Photoemission Electron Microscopy. <b>2006</b> , 142, 159-323	37
1640	Surface enhanced Raman optical activity of molecules on orientationally averaged substrates: theory of electromagnetic effects. <b>2006</b> , 125, 124704	65
1639	Enhancement factor distribution around a single surface-enhanced Raman scattering hot spot and its relation to single molecule detection. <b>2006</b> , 125, 204701	309
1638	Resonance Raman spectroscopy in malaria research. <b>2006</b> , 3, 525-44	38
1637	Use of surface-enhanced Raman spectroscopy for the detection of human integrins. <b>2006</b> , 11, 024004	29
1636	Silver nanorod arrays as highly sensitive SERS substrates for viral detection. <b>2006</b> ,	1
1635	Reviews in Fluorescence 2006. <b>2006</b> ,	4
1634	Substrate and laser power dependence of surface-enhanced Raman scattering from a silver oxide film. <b>2006</b> , 17, 1717-21	12
1633	Exploring the chemical enhancement for surface-enhanced Raman scattering with Au bowtie nanoantennas. <b>2006</b> , 124, 61101	251
1632	Imaging nanostructures with scanning photoionization microscopy. <b>2006</b> , 125, 154709	15
1631	Analysis of surface plasmon modes and band structures for plasmonic crystals in one and two dimensions. <b>2006</b> , 73, 036605	30
1630	Ultrafast adaptive optical near-field control. <b>2006</b> , 73,	42
1629	The effects of Au aggregate morphology on surface-enhanced Raman scattering enhancement. <b>2006</b> , 125, 124707	55
1628	Optical Chemical Sensors. <b>2006</b> ,	38
1627	Saturation effect in the optical response of Ag-nanoparticle fractal aggregates. <b>2006</b> , 73,	11
1626	Surface-enhanced resonance Raman scattering and background light emission coupled with plasmon of single Ag nanoaggregates. <b>2006</b> , 124, 134708	91
1625	Dendritic Gold Substrates for Surface-Enhanced Raman Spectroscopy. <b>2006</b> ,	



1624	Scattering T-matrix theory in wave-vector space for surface-enhanced Raman scattering in clusters of nanoscale spherical metal particles. <b>2006</b> , 74,	11
1623	Angle dependent surface enhanced Raman scattering obtained from a Ag nanorod array substrate. <b>2006</b> , 89, 173134	67
1622	SERS-Based Raman Probes. <b>2006</b> ,	
1621	Surface-enhanced Raman scattering from a resonant waveguide mode. <b>2006</b> ,	
1620	Systematic study of the size and spacing dependence of Ag nanoparticle enhanced fluorescence using electron-beam lithography. <b>2006</b> , 88, 101112	42
1619	Integrated liquid-core ARROW waveguides for surface-enhanced Raman scattering. <b>2006</b> ,	1
1618	Single-molecule detection in a liquid by surface-enhanced resonance Raman scattering. <b>2006</b> , 88, 034104	20
1617	Polarization dependence of surface plasmon polariton emission. <b>2006</b> , 74,	15
1616	Using a ferrocenylsilane-based block copolymer as a template to produce nanotextured Ag surfaces: uniformly enhanced surface enhanced Raman scattering active substrates. <b>2006</b> , 17, 5792-5797	82
1615	Hyper-Rayleigh scattering and hyper-Raman scattering of dye-adsorbed silver nanoparticles induced by a focused continuous-wave near-infrared laser. <b>2006</b> , 88, 084102	50
1614	Plasmon excitation in sets of nanoscale cylinders and spheres. <b>2006</b> , 73,	29
1613	Designing, fabricating, and imaging Raman hot spots. <b>2006</b> , 103, 13300-3	397
1612	Linear and nonlinear optical properties of gold nanospheres immobilized on a metallic surface. <b>2006</b> , 74,	44
1611	Surface-enhanced Raman scattering on nanoporous Au. <b>2006</b> , 89, 053102	177
1610	Causality of surface plasmon polariton emission processes. <b>2006</b> , 73,	17
1609	Microscopic theory of surface-enhanced Raman scattering in noble-metal nanoparticles. <b>2006</b> , 73,	27
1608	Large enhancement of second order non-linear effects in ionic self-assembled multilayer films. <b>2006</b> ,	
1607	Plasmon hybridization in nanoshells with a nonconcentric core. <b>2006</b> , 125, 124708	70

1606	Raman Scattering, Fundamentals. <b>2006</b> ,	0
1605	Infrared and Raman Spectroscopy in Analysis of Surfaces. <b>2006</b> ,	1
1604	Fabrication of SERS Active Substrates by Nanoimprint Lithography. <b>2007</b> , 1054, 3	
1603	Time-dependent picture of the charge-transfer contributions to surface enhanced Raman spectroscopy. <b>2007</b> , 126, 244709	101
1602	Electromagnetic model and calculations of the surface-enhanced Raman-shifted emission from Langmuir-Blodgett films on metal nanostructures. <b>2007</b> , 127, 044702	4
1601	Hyper-Raman scattering enhanced by anisotropic dimer plasmons on artificial nanostructures. <b>2007</b> , 127, 111103	36
1600	Plasmonic materials for surface-enhanced and tip-enhanced Raman spectroscopy. <b>2007</b> , 1-39	1
1599	SERS nano-imaging probes for characterizing extracellular surfaces. <b>2007</b> , 6759, 48	
1598	Optical Properties of Gold Nanoparticles Produced by the Assembly of Size-Selected Clusters: Covering the Full Visible Wavelength Range in the Smallest Particle Size Regime. <b>2007</b> , 72, 121-128	4
1597	Surface Enhanced Raman Scattering of Silver Nanoparticles Formed from Silver Oxide Films with Different Composition Ratios. <b>2007</b> , 46, 1220-1223	2
1596	Surface-Enhanced Raman Scattering by Hemi-Ellipsoidal Ag Nanoparticles Generated from Silver-Oxide Thin Films. <b>2007</b> , 46, L1080-L1082	2
1595	Theory of enhanced Raman scattering for circular stratified semiconductor cylinder. <b>2007</b> , 19, 246222	2
1594	Scattering of surface plasmon polaritons at abrupt surface interfaces: Implications for nanoscale cavities. <b>2007</b> , 76,	60
1593	Nonlithographic fabrication of surface-enhanced Raman scattering substrates using a rastered atmospheric-pressure microplasma source. <b>2007</b> , 91, 021501	19
1592	Comment on Scanning-probe Raman spectroscopy with single-molecule sensitivity <b>2007</b> , 75,	21
1591	Surface-enhanced Raman spectroscopy and correlated scanning electron microscopy of individual carbon nanotubes. <b>2007</b> , 91, 223105	52
1590	Study of SERS efficiency of metallic colloidal systems. <b>2007</b> , 79, 012013	28
1589	Free-surface microfluidic control of surface-enhanced Raman spectroscopy for the optimized detection of airborne molecules. <b>2007</b> , 104, 18898-901	127

- 1588 Chapter 8 Ultrasound assistance for improving detection techniques. **2007**, 26, 255-297
- 1587 Particle plasmons of metal nanospheres: application of multiple scattering approach. **2007**, 76, 016609 52
- 1586 Simple model for the polarization effects in tip-enhanced Raman spectroscopy. **2007**, 75, 81
- 1585 Simultaneous Raman and fluorescence spectroscopy of single conjugated polymer chains. *Physical Review Letters*, **2007**, 98, 137401 7.4 31
- 1584 Adiabatic nanofocusing of plasmons by a sharp metal wedge on a dielectric substrate. **2007**, 101, 104312 62
- 1583 Raman properties of gold nanoparticle-decorated individual carbon nanotubes. **2007**, 90, 173109 29
- 1582 Surface second-harmonic generation from surface plasmon waves scattered by metallic nanostructures. **2007**, 75, 25
- 1581 Tuneable visible resonances in crescent shaped nano-split-ring resonators. **2007**, 91, 093109 47
- 1580 Light Scattering and Nanoscale Surface Roughness. **2007**, 47
- 1579 Tunable nanowires: An additional degree of freedom in plasmonics. **2007**, 76, 17
- 1578 Collective electronic states in inhomogeneous media at critical and subcritical metal concentrations. **2007**, 75, 2
- 1577 Collective electromagnetic emission from molecular layers on metal nanostructures mediated by surface plasmons. **2007**, 75, 5
- 1576 Surface-enhanced Raman spectroscopy of urine by an ingenious near-infrared Raman spectrometer. **2007**, 6826, 449 2
- 1575 Liquid-core photonic crystal fiber platform for raman scattering measurements of microliter analyte solutions. **2007**, 6
- 1574 Surface Plasmon Structures for Surface-Enhanced Raman Scattering. **2007**, 1055, 4
- 1573 Plasmon resonant structures with unique topographic characteristics and tunable optical properties for surface-enhanced Raman scattering. **2007**, 18, 455301 11
- 1572 Quantitative surface-enhanced resonance Raman scattering of phthalocyanine-labelled oligonucleotides. **2007**, 35, e42 16
- 1571 An approach to self-cleaning SERS sensors by arraying Au nanorods on TiO<sub>2</sub> layer. **2007**, 6647, 110 2

- 1570 Investigating the structural changes of  $\beta$ -amyloid peptide aggregation using attenuated-total-reflection surface-enhanced Raman spectroscopy. **2007**, 6450, 146 1
- 1569 Superfocusing modes of surface plasmon polaritons in conical geometry based on the quasi-separation of variables approach. **2007**, 40, 12479-12503 26
- 1568 Interaction between metal-free porphine and surface Ag atoms through temporal fluctuation of surface-enhanced resonance raman scattering and background-light emission. **2007**, 3, 161-174
- 1567 Imaging of optical field distributions and plasmon wavefunctions in metal nanoparticles. **2007**,
- 1566 Applications of the liquid core optical ring resonator platform. **2007**, 3
- 1565 Surface Enhanced Resonance Raman Scattering. 65-84
- 1564 SERS as analytical tool for detection of bacteria. **2007**,
- 1563 A new class of nontoxic nanoparticle tags based on surface enhanced Raman scattering. **2007**,
- 1562 Noninvasive noble metal nanoparticle arrays for surface-enhanced Raman spectroscopy of proteins. **2007**,
- 1561 Investigating the secondary structures for long oligonucleotides using attenuated-total-reflection nanoplasmon-enhanced Raman scattering. **2007**, 1
- 1560 Second-harmonic generation driven by asymmetric local fields in T-shaped gold nanodimers. **2007**, 1
- 1559 Near-field Moiré effect mediated by surface plasmon polariton excitation. **2007**, 32, 629-31 27
- 1558 Calculations of light scattering from isolated and interacting metallic nanowires of arbitrary cross section by means of Green's theorem surface integral equations in parametric form. **2007**, 24, 2822-30 47
- 1557 Numerical optimization of a grating coupler for the efficient excitation of surface plasmons at an Ag-SiO<sub>2</sub> interface. **2007**, 24, 2268 44
- 1556 Cascaded photoenhancement from coupled nanoparticle and microcavity resonance effects. **2007**, 15, 3575-80 9
- 1555 Numerical investigation of field enhancement by metal nano-particles using a hybrid FDTD-PSTD algorithm. **2007**, 15, 11433-43 6
- 1554 Photochromism and two-photon luminescence of Ag-TiO<sub>2</sub> granular composite films activated by near infrared ps/fs pulses. **2007**, 15, 13924-9 11
- 1553 Inhibition of multipolar plasmon excitation in periodic chains of gold nanoblocks. **2007**, 15, 16527-39 17

1552	A facile deposition of silver onto the inner surface of a glass capillary tube for micro-surface-enhanced Raman scattering measurements. <b>2007</b> , 61, 19-24	17
1551	Reproducible surface-enhanced Raman scattering spectra of bacteria on aggregated silver nanoparticles. <b>2007</b> , 61, 479-85	88
1550	Single nanoparticle based optical pH probe. <b>2007</b> , 61, 832-8	40
1549	Surface-enhanced Raman spectroscopy for in situ measurements of signaling molecules (autoinducers) relevant to bacteria quorum sensing. <b>2007</b> , 61, 1295-300	27
1548	Controlling gold nanoparticle assemblies for efficient surface-enhanced Raman scattering and localized surface plasmon resonance sensors. <b>2007</b> , 18, 255702	113
1547	Strong coupling of single emitters to surface plasmons. <b>2007</b> , 76,	259
1546	Single Molecule Tip-Enhanced Raman Spectroscopy with Silver Tips. <b>2007</b> , 111, 1733-1738	290
1545	Plasmon Line Widths of Single Silver Nanoprisms as a Function of Particle Size and Plasmon Peak Position. <b>2007</b> , 111, 18906-18911	85
1544	Interparticle coupling effect on the surface plasmon resonance of gold nanoparticles: from theory to applications. <b>2007</b> , 107, 4797-862	2094
1543	Optical Effects of Metallic Nanoparticles. <b>2007</b> , 60, 447	21
1542	Local field asymmetry drives second-harmonic generation in non-centrosymmetric nanodimers. <b>2007</b> , 7, 1251-5	227
1541	Surface-Enhanced Raman Spectroscopy and Nanogeometry: The Plasmonic Origin of SERS. <b>2007</b> , 111, 17985-17988	225
1540	A frequency domain existence proof of single-molecule surface-enhanced Raman spectroscopy. <b>2007</b> , 129, 16249-56	455
1539	Effect of Silver Nanoplates on Raman Spectra of p-Aminothiophenol Assembled on Smooth Macroscopic Gold and Silver Surface. <b>2007</b> , 111, 3259-3265	86
1538	Surface Plasmon Nanophotonics. <b>2007</b> ,	220
1537	Expanding generality of surface-enhanced Raman spectroscopy with borrowing SERS activity strategy. <b>2007</b> , 3514-34	333
1536	Surface plasmons and gain media. <b>2007</b> , 141-169	6
1535	Structure and dynamics of single conjugated polymer chromophores by surface-enhanced Raman spectroscopy. <b>2007</b> , 1, 299-306	15

1534	Enhanced Raman Spectroscopy: Single Molecules or Carbon?. <b>2007</b> , 111, 8611-8616	116
1533	Plasmonic interactions between a metallic nanoshell and a thin metallic film. <b>2007</b> , 76,	66
1532	Modern Optical Spectroscopy. <b>2007</b> ,	84
1531	Optical absorption of torus-shaped metal nanoparticles in the visible range. <b>2007</b> , 76,	20
1530	Resonant optical antennas and single emitters. <b>2007</b> , 275-307	7
1529	SERS detection of environmental pollutants in humic acid-gold nanoparticle composite materials. <b>2007</b> , 132, 1210-4	87
1528	Biosensing with plasmonic nanoparticles. <b>2007</b> , 219-270	3
1527	Nanoimprinted SERS-Active Substrates with Tunable Surface Plasmon Resonances. <b>2007</b> , 111, 6720-6723	163
1526	Improved effective medium approach: Application to metal nanocomposites. <b>2007</b> , 101, 024302	18
1525	Facile assembling of gold nanorods with large aspect ratio and their surface-enhanced Raman scattering properties. <b>2007</b> , 90, 261908	49
1524	Fluorescence suppression within Raman spectroscopy using annular beam excitation. <b>2007</b> , 91, 023903	12
1523	Statistical analysis of intensity fluctuations in single molecule SERS spectra. <b>2007</b> , 9, 5315-9	22
1522	Highly sensitive detection of dye-labelled DNA using nanostructured gold surfaces. <b>2007</b> , 2811-3	33
1521	An optofluidic device for surface enhanced Raman spectroscopy. <b>2007</b> , 7, 630-2	84
1520	Statistics of single molecule SERS signals: is there a Poisson distribution of intensities?. <b>2007</b> , 9, 3006-10	47
1519	Protein-nanoparticle labelling probed by surface enhanced resonance Raman spectroscopy. <b>2007</b> , 132, 865-7	11
1518	Mapping surface plasmons at the nanometre scale with an electron beam. <b>2007</b> , 18, 165505	240
1517	Surface-Enhanced Raman Scattering of 4-Aminothiophenol Self-Assembled Monolayers in Sandwich Structure with Nanoparticle Shape Dependence: Off-Surface Plasmon Resonance Condition. <b>2007</b> , 111, 6962-6969	162

1516	Time fluctuations and imaging in the SERS spectra of fungal hypha grown on nanostructured substrates. <b>2007</b> , 111, 12916-24	50
1515	Measuring molecular order and orientation using coherent anti-stokes Raman scattering microscopy. <b>2007</b> , 400, 45-61	5
1514	Plasmonic Properties of Anchored Nanoparticles Fabricated by Reactive Ion Etching and Nanosphere Lithography. <b>2007</b> , 111, 4116-4124	72
1513	Observation of a small number of molecules at a metal nanogap arrayed on a solid surface using surface-enhanced Raman scattering. <b>2007</b> , 129, 1658-62	181
1512	Diagnostics of Spectrally Resolved Transient Absorption: Surface Plasmon Resonance of Metal Nanoparticles. <b>2007</b> , 111, 18525-18532	9
1511	Size-Dependence of the Enhanced Raman Scattering of Pyridine Adsorbed on Agn (n = 28, 20) Clusters. <b>2007</b> , 111, 4756-4764	166
1510	Nanopin plasmonic resonator array and its optical properties. <b>2007</b> , 7, 1076-80	60
1509	8-hydroxyquinolinyl azo dyes: a class of surface-enhanced resonance Raman scattering-based probes for ultrasensitive monitoring of enzymatic activity. <b>2007</b> , 79, 8578-83	19
1508	Electromigrated nanoscale gaps for surface-enhanced Raman spectroscopy. <b>2007</b> , 7, 1396-400	280
1507	Surface Enhanced Raman Scattering, in Situ Spectro-Electrochemical, and Electrochemical Impedance Spectroscopic Investigations of 2-Amino-5-mercapto-1,3,4-thiadiazole Monolayers at a Silver Electrode. <b>2007</b> , 111, 7986-7991	19
1506	Plasmon Enhancements for FIR Detection. <b>2007</b> ,	
1505	Synthesis, patterning and applications of star-shaped poly(ethylene glycol) biofunctionalized surfaces. <b>2007</b> , 3, 419-30	78
1504	Interfacial Velocity-Dependent Plasmon Damping in Colloidal Metallic Nanoparticles. <b>2007</b> , 111, 10836-10840	6
1503	Growth of Cu nanobelt and Ag belt-like materials by surfactant-assisted galvanic reductions. <b>2007</b> , 23, 5722-6	56
1502	A quantum mechanical theory for single molecule-single nanoparticle surface enhanced Raman scattering. <b>2007</b> , 111, 8121-5	14
1501	Nanodisk codes. <b>2007</b> , 7, 3849-53	138
1500	Surface Enhanced Raman Scattering of Brilliant Green on Ag Nanoparticles and Applications in Living Cells as Optical Probes. <b>2007</b> , 111, 16833-16839	48
1499	Distinguishing individual vibrational fingerprints: single-molecule surface-enhanced resonance raman scattering from one-to-one binary mixtures in Langmuir-Blodgett monolayers. <b>2007</b> , 79, 2728-34	84

1498	Tip-enhanced Raman spectroscopy reveals rich nanoscale adsorption chemistry of 2-mercaptopyridine on Ag. <b>2007</b> , 47, 177-184	16
1497	Plasmon-enhanced second-harmonic generation from ionic self-assembled multilayer films. <b>2007</b> , 7, 254-8	73
1496	Synthesis of Normal and Inverted GoldSilver CoreShell Architectures in $\beta$ -Cyclodextrin and Their Applications in SERS. <b>2007</b> , 111, 10806-10813	249
1495	Guiding, focusing, and sensing on the subwavelength scale using metallic wire arrays. <i>Physical Review Letters</i> , <b>2007</b> , 99, 053903	7.4 143
1494	Investigation into a surface plasmon related heating effect in surface enhanced Raman spectroscopy. <b>2007</b> , 79, 8870-82	33
1493	Surface enhanced Raman scattering of nanoporous gold: Smaller pore sizes stronger enhancements. <b>2007</b> , 90, 153120	291
1492	Spectroscopic characterization of carbon chains in nanostructured tetrahedral carbon films synthesized by femtosecond pulsed laser deposition. <b>2007</b> , 126, 154705	64
1491	Second enhancement in surface-enhanced resonance Raman scattering revealed by an analysis of anti-Stokes and Stokes Raman spectra. <b>2007</b> , 76,	93
1490	Scattering of Electromagnetic Waves from Nanostructured, Self-Affine Fractal Surfaces: Near-Field Enhancements. <b>2007</b> , 285-304	
1489	Surface-enhanced Raman scattering. <b>2007</b> , 60, 40-46	303
1488	On-chip surface-enhanced Raman scattering detection using integrated liquid-core waveguides. <b>2007</b> , 90, 211107	72
1487	Temporal Fluctuation of Tip-Enhanced Raman Spectra of Adenine Molecules. <b>2007</b> , 111, 9460-9464	78
1486	Bow-tie optical antenna probes for single-emitter scanning near-field optical microscopy. <b>2007</b> , 18, 125506	98
1485	SERS opens a new way in aptasensor for protein recognition with high sensitivity and selectivity. <b>2007</b> , 5220-2	135
1484	Biological imaging of HEK293 cells expressing PLCgamma1 using surface-enhanced Raman microscopy. <b>2007</b> , 79, 916-22	236
1483	Visible Laser Desorption/Ionization Mass Spectrometry Using Gold Nanorods. <b>2007</b> , 111, 2409-2415	19
1482	Moving nanoparticles with Raman scattering. <b>2007</b> , 7, 2753-7	68
1481	Detection of sequence-specific protein-DNA interactions via surface enhanced resonance Raman scattering. <b>2007</b> , 129, 14572-3	129



1480	Near-Field Studies of Plasmon Wavefunctions and Optical Fields in Gold Nanoparticles. <b>2007</b> , 1, A0006	2
1479	Electromagnetic Modelling of Raman Enhancement from Nanoscale Structures as a Means to Predict the Efficacy of SERS Substrates. <b>2007</b> , 2007, 1-10	14
1478	Optical Single-Molecule Detection at Room Temperature. <b>2007</b> , 1-59	3
1477	. <b>2007</b> ,	1
1476	High-yield synthesis of single-crystalline gold nano-octahedra. <b>2007</b> , 46, 3264-8	196
1475	Plasmonic nanoshell arrays combine surface-enhanced vibrational spectroscopies on a single substrate. <b>2007</b> , 46, 9040-4	162
1474	High-Yield Synthesis of Single-Crystalline Gold Nano-octahedra. <b>2007</b> , 119, 3328-3332	69
1473	Plasmonic Nanoshell Arrays Combine Surface-Enhanced Vibrational Spectroscopies on a Single Substrate. <b>2007</b> , 119, 9198-9202	11
1472	Surface-Enhanced Raman Scattering. <b>2007</b> , 73-106	4
1471	SERS/SERRS, the Analytical Tool. <b>2007</b> , 141-184	2
1470	Surface-Enhanced Infrared Spectroscopy. <b>2007</b> , 185-222	5
1469	Surface-Enhanced Raman Scattering Using Microstructured Optical Fiber Substrates. <b>2007</b> , 17, 2024-2030	87
1468	Anisotropic Metal Nanoparticles for Use as Surface-Enhanced Raman Substrates. <b>2007</b> , 19, 1761-1765	163
1467	Plasmonic Materials. <b>2007</b> , 19, 3771-3782	646
1466	SERS as a Foundation for Nanoscale, Optically Detected Biological Labels. <b>2007</b> , 19, 3100-3108	302
1465	Deposition of Nanocomposites by Plasmas. <b>2007</b> , 47, 537-544	52
1464	Nanostructured gold surfaces as reproducible substrates for surface-enhanced Raman spectroscopy. <b>2007</b> , 38, 277-282	59
1463	Single-molecule detection of thionine on aggregated gold nanoparticles by surface enhanced Raman scattering. <b>2007</b> , 38, 568-573	42

1462	Surface enhanced Raman spectroscopic readout on heavy metal ions based on surface self assembly. <b>2007</b> , 38, 1280-1287	41
1461	Some aspects of SERS temporal fluctuations: analysis of the most intense spectra of hydrogenated amorphous carbon deposited on silver. <b>2007</b> , 38, 1494-1499	18
1460	Visible-laser desorption/ionization on gold nanostructures. <b>2007</b> , 42, 346-53	25
1459	Formation and immobilization of silver nanoparticles onto chromia surface by novel preparation route involving polyol process. <b>2007</b> , 201, 7663-7667	11
1458	25 years of lasers and analytical chemistry: A reluctant pairing with a promising future. <b>2007</b> , 26, 60-64	8
1457	DFT investigation on the SERS band at $\sim 1025\text{ cm}^{-1}$ of pyridine adsorbed on silver. <b>2007</b> , 436, 179-183	20
1456	Non-resonance SERS effects of silver colloids with different shapes. <b>2007</b> , 446, 77-82	170
1455	Gold bowtie nanoantennas for surface-enhanced Raman scattering under controlled electrochemical potential. <b>2007</b> , 446, 339-343	65
1454	The Raman effect and its application to electronic spectroscopies in metal-centered species: Techniques and investigations in ground and excited states. <b>2007</b> , 251, 454-473	52
1453	Characterization of cap-shaped silver particles for surface-enhanced fluorescence effects. <b>2007</b> , 364, 171-9	31
1452	A Raman and AFM investigation on metal surfaces SERS-activated by silver colloidal nanoparticles. <b>2007</b> , 27, 1295-1299	16
1451	Enhanced electrochromic absorption in Ag nanoparticle embedded conjugated polymer composite films. <b>2007</b> , 9, 1542-1546	28
1450	Single molecule SERS: Perspectives of analytical applications. <b>2007</b> , 834-836, 42-47	35
1449	Recent progress of nano-technology with NSOM. <b>2007</b> , 38, 409-26	71
1448	Surface plasmon mediated near-field imaging and optical addressing in nanoscience. <b>2007</b> , 38, 427-37	21
1447	Preparation and optical properties of silica@Ag@Au alloy core-shell composite colloids. <b>2007</b> , 180, 1291-1297	20
1446	2D nanostructure of gold nanoparticles: An approach to SERS-active substrate. <b>2007</b> , 122-123, 792-795	21
1445	Ultrafast dephasing time of localized surface plasmon polariton resonance and the involved damping mechanisms in colloidal gold nanoparticles. <b>2007</b> , 82, 378-387	24

1444	An investigation of the surface enhanced Raman scattering (SERS) from a new substrate of silver-modified silver electrode by magnetron sputtering. <b>2007</b> , 66, 994-1000	31
1443	Surface-enhanced Raman scattering on mercaptopyridine-capped CdS microclusters. <b>2007</b> , 66, 1199-203	54
1442	The study of resonance Raman scattering spectrum on the surface of Cu nanoparticles with ultraviolet excitation and density functional theory. <b>2007</b> , 67, 767-71	9
1441	Ultraviolet Raman study of thymine on the Au electrode. <b>2007</b> , 68, 778-82	3
1440	Stabilization of hydroxyl-group-terminated SERS-marker molecules on microAg particles by silanization. <b>2007</b> , 306, 50-5	12
1439	Simple method for electrochemical preparation of silver dendrites used as active and stable SERS substrate. <b>2007</b> , 314, 46-51	38
1438	Quantitative enhanced Raman scattering of labeled DNA from gold and silver nanoparticles. <b>2007</b> , 3, 1593-601	116
1437	Fabrication of dendrite-like Au nanostructures and their enhanced photoluminescence emission. <b>2007</b> , 204, 3398-3404	15
1436	Tunable plasmonic lattices of silver nanocrystals. <b>2007</b> , 2, 435-40	534
1435	Nano-optics from sensing to waveguiding. <b>2007</b> , 1, 641-648	1716
1434	A single-photon transistor using nanoscale surface plasmons. <b>2007</b> , 3, 807-812	928
1433	Optimum Length of Silver Nanorods for Fabrication of Hot Spots. <b>2007</b> , 111, 7906-7909	44
1432	Surface Plasmon Amplification in Planar Metal Films. <b>2007</b> , 43, 1104-1108	28
1431	Surface Enhanced Raman Scattering Enhancement Factors: A Comprehensive Study. <b>2007</b> , 111, 13794-13803	1923
1430	Single-Walled Carbon Nanotube Networks Decorated with Silver Nanoparticles: A Novel Graded SERS Substrate. <b>2007</b> , 111, 16167-16173	97
1429	Localized surface plasmon resonance spectroscopy and sensing. <b>2007</b> , 58, 267-97	4420
1428	Quantitative Evaluation of Plasmon Enhanced Raman Scattering from Nanoaperture Arrays. <b>2007</b> , 111, 1689-1694	69
1427	Size dependence of multipolar plasmon resonance frequencies and damping rates in simple metal spherical nanoparticles. <b>2007</b> , 144, 93-99	38

1426	A heterogeneous PNA-based SERS method for DNA detection. <b>2007</b> , 129, 6086-7	132
1425	Electromagnetic and chemical interaction between Ag nanoparticles and adsorbed rhodamine molecules in surface-enhanced Raman scattering. <b>2007</b> , 388, 89-102	21
1424	Enhanced backward scattering by surface plasmons on silver film. <b>2007</b> , 87, 157-160	3
1423	Surface-enhanced Raman scattering of $\beta$ -DNA. <b>2007</b> , 89, 273-275	9
1422	The effect of gain and absorption on surface plasmons in metal nanoparticles. <b>2007</b> , 86, 455-460	197
1421	Nanofocusing of light energy by ridged metal heterostructures. <b>2007</b> , 89, 573-577	11
1420	Diagnostic techniques for photonic materials based on Raman and Brillouin spectroscopies. <b>2007</b> , 3, 188-191	5
1419	Characterization of multilayer-enhanced surface-enhanced raman scattering (SERS) substrates and their potential for SERS nanoimaging. <b>2007</b> , 3, 1-11	21
1418	Detection of human viral RNA via a combined fluorescence and SERS molecular beacon assay. <b>2007</b> , 3, 23-30	30
1417	Tip-Enhanced Raman Imaging and Nanospectroscopy: Sensitivity, Symmetry, and Selection Rules. <b>2007</b> , 3, 172-196	48
1416	Theoretical Simulation and Focused Ion Beam Fabrication of Gold Nanostructures For Surface-Enhanced Raman Scattering (SERS). <b>2007</b> , 3, 164-171	26
1415	Laser irradiation induced spectral evolution of the surface-enhanced raman scattering (SERS) of 4-tert-butylbenzylmercaptan on gold nanoparticles assembly. <b>2007</b> , 50, 520-525	4
1414	Application of Surface-Enhanced Raman Spectroscopy for Detection of Beta Amyloid Using Nanoshells. <b>2007</b> , 2, 55-64	60
1413	Surface Plasmon-Enhanced Spectroscopy and Photochemistry. <b>2007</b> , 2, 143-146	37
1412	The Use of Polarization-dependent SERS from Scratched Gold Films to Selectively Eliminate Solution-phase Interference. <b>2007</b> , 2, 157-162	11
1411	3D arrays of SERS substrate for ultrasensitive molecular detection. <b>2007</b> , 139, 36-41	44
1410	Surface-enhanced Raman scattering detection of chemical and biological agents using a portable Raman integrated tunable sensor. <b>2007</b> , 121, 61-66	128
1409	Substrate effect of STM-induced luminescence from porphyrin molecules. <b>2008</b> , 516, 2727-2730	4

1408	Surface plasmon resonance enhanced photoluminescence from Au coated periodic arrays of CdSe quantum dots and polymer composite thin film. <b>2008</b> , 517, 863-866	8
1407	Optimizing EELS acquisition. <b>2008</b> , 108, 837-46	60
1406	Identification and classification of respiratory syncytial virus (RSV) strains by surface-enhanced Raman spectroscopy and multivariate statistical techniques. <b>2008</b> , 390, 1551-5	108
1405	Label-free detection with micro optical fluidic systems (MOFS): a review. <b>2008</b> , 391, 2443-52	52
1404	Semiconductor quantum dots and metal nanoparticles: syntheses, optical properties, and biological applications. <b>2008</b> , 391, 2469-95	428
1403	Mid-IR plasmonics and photomodification with Ag Films. <b>2008</b> , 93, 59-68	29
1402	Optical properties and ultrafast electron dynamics in gold-silver alloy and core-shell nanoparticles. <b>2008</b> , 93, 39-45	37
1401	Plasmonic Optical Properties and Applications of Metal Nanostructures. <b>2008</b> , 3, 127-150	317
1400	Novel nanostructures for SERS biosensing. <b>2008</b> , 3, 31-37	351
1399	Ultrasharp optical-fiber nanoprobe array for Raman local-enhancement imaging. <b>2008</b> , 4, 96-9	54
1398	Individual nanometer hole-particle pairs for surface-enhanced Raman scattering. <b>2008</b> , 4, 1296-300	67
1397	Shape Control of Colloidal Metal Nanocrystals. <b>2008</b> , 4, 310-325	2019
1396	Nanoparticle-decorated nanocanals for surface-enhanced Raman scattering. <b>2008</b> , 4, 1980-4	162
1395	Surface enhanced Raman spectroscopy of the liquid crystal 8CB using chip structures. <b>2008</b> , 245, 2193-2196	
1394	SERS intensity optimization by controlling the size and shape of faceted gold nanoparticles. <b>2008</b> , 39, 61-67	65
1393	Strategy for improved analysis of peptides by surface-enhanced Raman spectroscopy (SERS) involving positively charged nanoparticles. <b>2008</b> , 39, 611-617	18
1392	Silica-overcoated substrates for detection of proteins by surface-enhanced Raman spectroscopy. <b>2008</b> , 39, 673-678	18
1391	Surface-enhanced Raman scattering from gold-coated germanium oxide nanowires. <b>2008</b> , 39, 893-900	36

- 1390 Theoretical study on SERRS of rhodamine 6G adsorbed on Ag<sub>2</sub> cluster: chemical mechanism via intermolecular or intramolecular charge transfer. **2008**, 39, 1170-1177 22
- 1389 Plasmon-enhanced polarized Raman spectroscopy for sensitive surface characterization. **2008**, 39, 1338-1342 5
- 1388 Nanostructures and nanostructured substrates for surface-enhanced Raman scattering (SERS). **2008**, 39, 1313-1326 194
- 1387 The utilization of silver salts of aromatic thiols as core materials of SERS-based molecular sensors. **2008**, 39, 1840-1847 7
- 1386 Optimization of SERS activities of gold nanoparticles and gold-core-palladium-shell nanoparticles by controlling size and shell thickness. **2008**, 39, 1679-1687 131
- 1385 Preparation and SERS study of triangular silver nanoparticle self-assembled films. **2008**, 39, 1673-1678 35
- 1384 Recent advances in linear and nonlinear Raman spectroscopy II. **2008**, 39, 1710-1725 28
- 1383 Surface-plasmon-based optical manipulation. **2008**, 2, 47-57 89
- 1382 Metal-nanoparticle plasmonics. **2008**, 2, 136-159 519
- 1381 Raman spectroscopy and microscopy of individual cells and cellular components. **2008**, 2, 325-349 99
- 1380 Microsolvation effects on the optical properties of crystal violet. **2008**, 14, 7351-7 22
- 1379 Probing innovative microfabricated substrates for their reproducible SERS activity. **2008**, 9, 758-62 53
- 1378 Resonance Raman cross-sections and vibronic analysis of rhodamine 6G from broadband stimulated Raman spectroscopy. **2008**, 9, 697-9 194
- 1377 Silver nanoparticle thin films with nanocavities for surface-enhanced Raman scattering. **2008**, 9, 902-10 44
- 1376 Determination of the degree of charge-transfer contributions to surface-enhanced Raman spectroscopy. **2008**, 9, 1617-23 58
- 1375 SERS and multiphoton-induced luminescence of gold micro- and nanostructures fabricated by NIR femtosecond-laser irradiation. **2008**, 9, 2163-7 9
- 1374 Surface-enhanced Raman scattering from a single nanoparticle-plane junction. **2008**, 9, 2491-4 64
- 1373 Perspectives for spatially resolved molecular spectroscopy--Raman on the nanometer scale. **2008**, 1, 377-89 25

1372	Recent advances in surface-enhanced Raman scattering detection technology for microfluidic chips. <b>2008</b> , 29, 1815-28	179
1371	Analytical optimization of nanocomposite surface-enhanced Raman spectroscopy/scattering detection in microfluidic separation devices. <b>2008</b> , 29, 1441-50	46
1370	Spectroscopically enhancing electrical nanotraps. <b>2008</b> , 47, 1938-41	36
1369	Silver Nanoparticle Impregnated Polycarbonate Substrates for Surface Enhanced Raman Spectroscopy. <b>2008</b> , 18, 1265-1271	83
1368	SERS Aptatags: New Responsive Metallic Nanostructures for Heterogeneous Protein Detection by Surface Enhanced Raman Spectroscopy. <b>2008</b> , 18, 2518-2525	77
1367	Mesoscopic Au Meatball Particles. <b>2008</b> , 20, 820-825	195
1366	Spectroscopically Enhancing Electrical Nanotraps. <b>2008</b> , 120, 1964-1967	9
1365	Easy deposition of Ag onto polystyrene beads for developing surface-enhanced-Raman-scattering-based molecular sensors. <b>2008</b> , 318, 195-201	48
1364	Gap soliton of surface plasmon polaritons in left-handed material. <b>2008</b> , 40, 929-934	
1363	Local-field effects in the nonlinear optical response of metamaterials. <b>2008</b> , 2, 155-168	20
1362	A temporal study of the surface enhanced Raman bond polarizabilities of ethylene thiourea on the Ag electrode: The electromagnetic and charge transfer mechanisms. <b>2008</b> , 885, 168-175	19
1361	Self-selective electroless plating: An approach for fabrication of functional 1D nanomaterials. <b>2008</b> , 61, 59-77	76
1360	Surface-enhanced Raman scattering of single-walled carbon nanotubes on modified silver electrode. <b>2008</b> , 69, 1140-5	6
1359	Modulating the photoluminescence of conducting polymer by the surface plasmon of Au colloids. <b>2008</b> , 199, 291-296	11
1358	Silver fractal networks for surface-enhanced Raman scattering substrates. <b>2008</b> , 254, 5399-5402	21
1357	Porous silicon as efficient surface enhanced Raman scattering (SERS) substrate. <b>2008</b> , 254, 7494-7497	67
1356	SERS enhancement dependence on the diameter and aspect ratio of silver-nanowire array fabricated by anodic aluminium oxide template. <b>2008</b> , 255, 1901-1905	67
1355	pH-dependent 2-amino-5-mercapto-1,3,4-thiadiazole monolayers at the silver surface: Surface enhanced Raman scattering spectroscopic and electrochemical observations. <b>2008</b> , 255, 2994-2999	12

1354	Surface enhanced infrared absorption (SEIRA) spectroscopy on nanoshell aggregate substrates. <b>2008</b> , 452, 115-119	179
1353	Electromagnetic wave propagation in a multilayer silver particle. <b>2008</b> , 454, 289-293	9
1352	Single-molecule surface-enhanced Raman spectroscopy from a molecularly-bridged silver nanoparticle dimer. <b>2008</b> , 455, 131-134	55
1351	A few molecules surface-enhanced Raman scattering studies on nickel-modified silver substrates. <b>2008</b> , 457, 434-438	1
1350	Ultrafast hybrid plasmonics. <b>2008</b> , 461, 171-179	54
1349	Raman scattering of aryl isocyanide monolayers on atomically flat Au(1 1 1) single crystal surfaces enhanced by gap-mode plasmon excitation. <b>2008</b> , 460, 205-208	83
1348	Oxygen-assisted shape control in polyol synthesis of silver nanocrystals. <b>2008</b> , 462, 92-95	30
1347	Surface-enhanced Raman scattering study of nano-sized organic carbon particles produced in combustion processes. <b>2008</b> , 46, 335-341	20
1346	Porous nanoarchitectures based on TiO <sub>2</sub> aerogels and Au particles as potential SERS sensor for monitoring of water quality. <b>2008</b> , 48, 206-209	17
1345	Thin-film silicon solar cells with integrated silver nanoparticles. <b>2008</b> , 516, 6813-6817	73
1344	Surface-enhanced Raman study of electrochemical and photocatalytic degradation of the azo dye Janus Green B. <b>2008</b> , 77, 339-345	24
1343	A facile route to stabilize SERS-marker molecules on Ag particles: Layer-by-layer deposition of polyelectrolytes. <b>2008</b> , 316, 1-7	19
1342	Fabrication and characterization of plasmonic nanolens for applications in biophotonics. <b>2008</b> , 85, 1286-1288	5
1341	Attomole (amol) myoglobin Raman detection from plasmonic nanostructures. <b>2008</b> , 85, 1282-1285	18
1340	Surface-enhanced Raman spectroscopy. <b>2008</b> , 1, 601-26	2270
1339	Dark-field microscopy studies of single metal nanoparticles: understanding the factors that influence the linewidth of the localized surface plasmon resonance. <b>2008</b> , 18, 1949-1960	376
1338	Active Plasmonics: Surface Plasmon Interaction With Optical Emitters. <b>2008</b> , 14, 1395-1403	26
1337	Single-molecule and single-nanoparticle SERS: from fundamental mechanisms to biomedical applications. <b>2008</b> , 37, 912-20	924



1336	Progress toward an in vivo surface-enhanced Raman spectroscopy glucose sensor. <b>2008</b> , 10, 257-65	92
1335	Plasmon-enhanced solar energy conversion in organic bulk heterojunction photovoltaics. <b>2008</b> , 92, 013504	387
1334	Surface plasmon nanophotonics: A tutorial. <b>2008</b> , 2, 12-18	23
1333	A PORTABLE RAMAN SYSTEM FOR THE IDENTIFICATION OF FOODBORNE PATHOGENIC BACTERIA. <b>2008</b> , 16, 238-255	29
1332	Design and construction of a sensitive silver substrate for surface-enhanced Raman scattering spectroscopy. <b>2008</b> , 47, 124-128	15
1331	Surface enhanced Raman scattering by CdS quantum dots. <b>2008</b> , 88, 799-801	28
1330	In vivo tumor targeting and spectroscopic detection with surface-enhanced Raman nanoparticle tags. <b>2008</b> , 26, 83-90	1945
1329	Biosensing with plasmonic nanosensors. <b>2008</b> , 7, 442-53	5354
1328	Probing surface plasmon fields by far-field Raman imaging. <b>2008</b> , 229, 189-96	12
1327	Plasmonic Laser Antennas and Related Devices. <b>2008</b> , 14, 1448-1461	93
1326	Nanobiosensing Using Plasmonic Nanoprobes. <b>2008</b> , 14, 198-205	25
1325	Spoof Surface Plasmon Polariton Modes Propagating Along Periodically Corrugated Wires. <b>2008</b> , 14, 1515-1521	67
1324	Templated nanoporous copper and nickel: Novel substrates for surface-enhanced Raman scattering. <b>2008</b> , 59, 1047-1050	15
1323	Preparation of gold-silica heterogeneous nanocomposite particles by alcohol-reduction method. <b>2008</b> , 43, 1126-1134	10
1322	Gold nanolenses generated by laser ablation-efficient enhancing structure for surface enhanced Raman scattering analytics and sensing. <b>2008</b> , 80, 4247-51	71
1321	Chiral coupling in gold nanodimers. <b>2008</b> , 93, 183115	40
1320	Chapter 2:Physics of Surface Plasmon Resonance. 15-34	37
1319	Raman spectroscopy. <b>2008</b> , 249-288	5

1318	Mercaptopyridine Surface-Functionalized CdTe Quantum Dots with Enhanced Raman Scattering Properties. <b>2008</b> , 112, 996-1000	86
1317	Surface enhanced Raman scattering of silver sensitized cobalt nanoparticles in metal-dielectric nanocomposites. <b>2008</b> , 19, 375701	9
1316	Spectroscopic study of surface-enhanced Raman scattering of rhodamine 6G on silver colloid. <b>2008</b> ,	
1315	An ultrasensitive method: surface-enhanced Raman scattering of Ag nanoparticles from beta-silver vanadate and copper. <b>2008</b> , 2310-2	112
1314	Plasmonic band gap cavities on biharmonic gratings. <b>2008</b> , 77,	31
1313	Label-Free SERS Detection of Small Proteins Modified to Act as Bifunctional Linkers. <b>2008</b> , 112, 4880-4883	90
1312	Observation of Enhanced Raman Scattering for Molecules Adsorbed on TiO <sub>2</sub> Nanoparticles: Charge-Transfer Contribution. <b>2008</b> , 112, 20095-20098	257
1311	Chemical sensing and imaging with metallic nanorods. <b>2008</b> , 544-57	460
1310	Tailoring plasmonic substrates for surface enhanced spectroscopies. <b>2008</b> , 37, 898-911	471
1309	Nanoparticle Metal/Semiconductor Charge Transfer in ZnO/PATP/Ag Assemblies by Surface-Enhanced Raman Spectroscopy. <b>2008</b> , 112, 6093-6098	107
1308	A route to increase the enhancement factor of surface enhanced Raman scattering (SERS) via a high density Ag flower-like pattern. <b>2008</b> , 92, 131115	64
1307	DFT, SERS, and Single-Molecule SERS of Crystal Violet. <b>2008</b> , 112, 20295-20300	241
1306	Fluorescence enhancement in hot spots of AFM-designed gold nanoparticle sandwiches. <b>2008</b> , 8, 485-90	243
1305	In situ surface-enhanced Raman scattering analysis of biofilm. <b>2008</b> , 80, 8538-44	79
1304	Single Molecule Spectroscopy of Polyfluorenes. <b>2008</b> , 293-318	13
1303	Plasmonic focusing reduces ensemble linewidth of silver-coated gold nanorods. <b>2008</b> , 8, 1719-23	150
1302	The Use of Aligned Silver Nanorod Arrays Prepared by Oblique Angle Deposition as Surface Enhanced Raman Scattering Substrates. <b>2008</b> , 112, 895-901	220
1301	Ag nanorod arrays tailored for surface-enhanced Raman imaging in the near-infrared region. <b>2008</b> , 19, 265304	29

1300	Single molecule analysis by surfaced-enhanced Raman scattering. <b>2008</b> , 37, 946-54	382
1299	Quantum optics and atomic physics using plasmonics. <b>2008</b> ,	
1298	Optical Properties of Gold Pyramidal Shells. <b>2008</b> , 112, 6662-6666	30
1297	A Unified Approach to Surface-Enhanced Raman Spectroscopy. <b>2008</b> , 112, 5605-5617	656
1296	Electronic structure methods for studying surface-enhanced Raman scattering. <b>2008</b> , 37, 1061-73	465
1295	Luminescent and Raman active silver nanoparticles with polycrystalline structure. <b>2008</b> , 130, 10472-3	115
1294	Mapping the plasmon resonances of metallic nanoantennas. <b>2008</b> , 8, 631-6	319
1293	Observation of stimulated emission of surface plasmon polaritons. <b>2008</b> , 8, 3998-4001	132
1292	A hybrid plasmonic-photonic nanodevice for label-free detection of a few molecules. <b>2008</b> , 8, 2321-7	183
1291	Fine Nanostructure Analysis of Single-Wall Carbon Nanohorns by Surface-Enhanced Raman Scattering. <b>2008</b> , 112, 7552-7556	25
1290	Clean substrates prepared by chemical adsorption of iodide followed by electrochemical oxidation for surface-enhanced Raman spectroscopic study of cell membrane. <b>2008</b> , 80, 5118-25	58
1289	SERS-activating effect of chlorides on borate-stabilized silver nanoparticles: formation of new reduced adsorption sites and induced nanoparticle fusion. <b>2008</b> , 10, 2233-42	25
1288	Compensation of surface plasmon loss by gain in dielectric medium. <b>2008</b> , 2, 021855	21
1287	Chemical and bioanalytical applications of surface enhanced Raman scattering spectroscopy. <b>2008</b> , 37, 883-4	126
1286	A perspective on single molecule SERS: current status and future challenges. <b>2008</b> , 10, 6079-89	417
1285	Probing the structure of single-molecule surface-enhanced Raman scattering hot spots. <b>2008</b> , 130, 12616-7	738
1284	One-step synthesis of silver nanoparticles in self-assembled multilayered films based on a Keggin structure compound. <b>2008</b> , 18, 1196	33
1283	Linear optical response of current-carrying molecular junction: a nonequilibrium Green's function-time-dependent density functional theory approach. <b>2008</b> , 128, 124705	44

1282	Single Molecules and Nanotechnology. <b>2008,</b>	6
1281	Fabrication of arrays of metal and metal oxide nanotubes by shadow evaporation. <b>2008, 2, 800-8</b>	78
1280	Plasmon resonance in silver nanoparticles arrays grown by atomic terrace low-angle shadowing. <b>2008, 8, 3248-56</b>	26
1279	Novel Optical Properties and Emerging Applications of Metal Nanostructures <b>2008, 112, 10323-10337</b>	259
1278	Concentration-Dependent Orientational Changes of 2-Amino-2-thiazoline Molecule Adsorbed on Silver Nanocolloidal Surface Investigated by SERS and DFT. <b>2008, 112, 227-239</b>	27
1277	Building Highly Selective Hot Spots in Ag Nanoparticles Using Bifunctional Viologens: Application to the SERS Detection of PAHs. <b>2008, 112, 7527-7530</b>	43
1276	Substrates with discretely immobilized silver nanoparticles for ultrasensitive detection of anions in water using surface-enhanced Raman scattering. <b>2008, 24, 4765-71</b>	56
1275	Probing silver nanoparticles during catalytic H <sub>2</sub> evolution. <b>2008, 130, 7067-76</b>	46
1274	Plasmon-controlled fluorescence: a new paradigm in fluorescence spectroscopy. <b>2008, 133, 1308-46</b>	492
1273	The strength of surface plasmons. <b>2008,</b>	
1272	Single Gold-Nanoparticle-Enhanced Raman Scattering of Individual Single-Walled Carbon Nanotubes via Atomic Force Microscope Manipulation. <b>2008, 112, 7119-7123</b>	56
1271	Optical Enhancing Properties of Anisotropic Gold Nanoplates Prepared with Different Fractions of a Natural Humic Substance. <b>2008, 20, 1516-1521</b>	40
1270	Exploration of Electrostatic Field Force in Surface-Enhanced Raman Scattering: An Experimental Investigation Aided by Density Functional Calculations. <b>2008, 112, 17862-17876</b>	29
1269	Chemical probing of single cancer cells with gold nanoaggregates by surface-enhanced Raman scattering. <b>2008, 62, 1060-9</b>	25
1268	Optical response of linear chains of metal nanospheres and nanospheroids. <b>2008, 25, 2767-75</b>	21
1267	Compensation of loss in propagating surface plasmon polariton by gain in adjacent dielectric medium. <b>2008, 16, 1385-92</b>	216
1266	Surface plasmon resonance in CdSe semiconductor coated with gold nanoparticles. <b>2008, 16, 6202-8</b>	23
1265	Novel index-guided photonic crystal fiber surface-enhanced Raman scattering probe. <b>2008, 16, 8300-5</b>	52

1264	Cavity resonances of metal-dielectric-metal nanoantennas. <b>2008</b> , 16, 10315-22	15
1263	Ultra-broadband enhanced absorption of metal surfaces structured by femtosecond laser pulses. <b>2008</b> , 16, 11259-65	72
1262	Femtosecond phase control of spatial localization of the optical near-field in a metal nanoslit array. <b>2008</b> , 16, 12075-83	8
1261	Plasmonic band gap structures for surface-enhanced Raman scattering. <b>2008</b> , 16, 12469-77	47
1260	Local electric field enhancement and polarization effects in a surface-enhanced Raman scattering fiber sensor with chessboard nanostructure. <b>2008</b> , 16, 13016-23	18
1259	Electric and magnetic resonances in arrays of coupled gold nanoparticle in-tandem pairs. <b>2008</b> , 16, 13287-95	53
1258	Elongation of surface plasmon polariton propagation length without gain. <b>2008</b> , 16, 15576-83	22
1257	Localized surface plasmon resonance effects on the magneto-optical activity of continuous Au/Co/Au trilayers. <b>2008</b> , 16, 16104-12	80
1256	Simultaneous measurements of electronic conduction and Raman response in molecular junctions. <b>2008</b> , 8, 919-24	256
1255	One-pot synthesis of silica-coated magnetic plasmonic tracer nanoparticles. <b>2008</b> , 6140-2	29
1254	Construction, application and biosafety of silver nanocrystalline chitosan wound dressing. <b>2008</b> , 34, 623-8	170
1253	Surface enhanced Raman optical activity (SEROA). <b>2008</b> , 37, 980-92	75
1252	SERS--a single-molecule and nanoscale tool for bioanalytics. <b>2008</b> , 37, 1052-60	831
1251	Surface-Enhanced Raman Detection on Metalized Nanostructured Poly(p-xylylene) Films. <b>2008</b> , 20, 3562-3565	57
1250	Resonant plasmonic and vibrational coupling in a tailored nanoantenna for infrared detection. <i>Physical Review Letters</i> , <b>2008</b> , 101, 157403	7-4 532
1249	Controlled interparticle spacing for surface-modified gold nanoparticle aggregates. <b>2008</b> , 24, 5562-8	69
1248	Label-Free Fingerprinting of Pathogens by Raman Spectroscopy Techniques. <b>2008</b> , 525-564	1
1247	Superfocusing modes of surface plasmon polaritons in a wedge-shaped geometry obtained by quasi-separation of variables. <b>2008</b> , 41, 295401	22

- 1246 Controlled plasmonic nanostructures for surface-enhanced spectroscopy and sensing. **2008**, 41, 1653-61 642
- 1245 Plasmon-based nanolenses assembled on a well-defined DNA template. **2008**, 130, 2750-1 132
- 1244 The observation of high order overtones and combinations in the SERRS spectra of a perylene dye spin coated onto silver island films. **2008**, 10, 5412-8 5
- 1243 An application of AAO template: orderly assembled organic molecules for surface-enhanced Raman scattering. **2008**, 18, 133-138 27
- 1242 Surface-enhanced Raman nanoparticle beacons based on bioconjugated gold nanocrystals and long range plasmonic coupling. **2008**, 130, 14934-5 214
- 1241 Surface-enhanced Raman spectroscopic studies of coactivator-associated arginine methyltransferase 1. **2008**, 112, 6703-7 19
- 1240 Silanization of polyelectrolyte-coated particles: an effective route to stabilize Raman tagging molecules adsorbed on micrometer-sized silver particles. **2008**, 24, 5893-8 15
- 1239 N-Acetylalanine Monolayers at the Silver Surface Investigated by Surface Enhanced Raman Scattering Spectroscopy and X-ray Photoelectron Spectroscopy: Effect of Metallic Ions. **2008**, 112, 15022-15024
- 1238 Excitation of local field enhancement on silicon nanowires. **2008**, 8, 601-5 33
- 1237 Formation of Hybrid Molecules Composed of Ga Metal Particle in Direct Contact with InGaAs Semiconductor Quantum Ring. **2008**, 8, 690-694 15
- 1236 Cantilever tip near-field surface-enhanced Raman imaging of tris(bipyridine)ruthenium(II) on silver nanoparticles-coated substrates. **2008**, 24, 12054-61 13
- 1235 Noble metal nanocrystals: plasmon electron transfer photochemistry and single-molecule Raman spectroscopy. **2008**, 41, 1742-9 465
- 1234 In Situ Surface-Enhanced Raman Scattering Spectroscopic Study of Pyridine Adsorbed on Gold Electrode Surfaces Comprised of Plasmonic Crystal Structures. **2008**, 112, 17603-17610 16
- 1233 Aromatic amino acids providing characteristic motifs in the Raman and SERS spectroscopy of peptides. **2008**, 112, 9158-64 108
- 1232 Wavelength-Scanned Surface-Enhanced Resonance Raman Excitation Spectroscopy. **2008**, 112, 19302-19310 69
- 1231 Surface-enhanced resonance Raman spectroscopic characterization of the protein native structure. **2008**, 130, 7443-8 56
- 1230 In Situ Raman Spectroscopy of Redox Species Confined in Self-Assembled Molecular Films. **2008**, 112, 3741-3746 15
- 1229 Close encounters between two nanoshells. **2008**, 8, 1212-8 421

1228	Ultrafast photoinduced changes of eigenfunctions of localized plasmon modes in gold nanorods. <b>2008</b> , 77,	17
1227	Spectral analysis of multiplex Raman probe signatures. <b>2008</b> , 2, 2306-14	142
1226	Au Nanoparticles as SERS Probes of the Silica Surface Layer Structure in the Absence and Presence of Adsorbates. <b>2008</b> , 112, 4932-4936	13
1225	Enhanced Raman Scattering from Nanoholes in a Copper Film. <b>2008</b> , 112, 17051-17055	43
1224	Multiple surface plasmon resonances and near-infrared field enhancement of gold nanowells. <b>2008</b> , 80, 4945-50	40
1223	Laser directed growth of carbon-based nanostructures by plasmon resonant chemical vapor deposition. <b>2008</b> , 8, 3278-82	37
1222	Raman enhancement of azobenzene monolayers on substrates prepared by Langmuir-Blodgett deposition and electron-beam lithography techniques. <b>2008</b> , 24, 11313-21	66
1221	Hollow Gold/Silver Double-Shell Nanospheres: Structure, Optical Absorption, and Surface-Enhanced Raman Scattering. <b>2008</b> , 112, 6319-6329	104
1220	Spatial anticorrelation between nonlinear white-light generation and single molecule surface-enhanced Raman scattering. <b>2008</b> , 130, 16830-1	18
1219	Photochemical Characteristics of Silver 4-Aminobenzenethiolate; Laser-Induced Growth of Silver Nanoaggregates Probed by Raman Spectroscopy. <b>2008</b> , 112, 10715-10720	14
1218	A genetic approach for controlling the binding and orientation of proteins on nanoparticles. <b>2008</b> , 24, 2000-8	45
1217	Surface-enhanced Raman scattering substrates fabricated using electroless plating on polymer-templated nanostructures. <b>2008</b> , 24, 5862-7	19
1216	Ion-Specific Effects on Laser Ablation of Silver in Aqueous Electrolyte Solutions. <b>2008</b> , 112, 4435-4443	24
1215	Chemical Enhancement Effects in SERS Spectra: A Quantum Chemical Study of Pyridine Interacting with Copper, Silver, Gold and Platinum Metals. <b>2008</b> , 112, 4195-4204	185
1214	Combinatorial and high-throughput development of sensing materials: the first 10 years. <b>2008</b> , 108, 770-813	211
1213	Preparation of gold-tellurium hybrid nanomaterials for surface-enhanced Raman spectroscopy. <b>2008</b> , 24, 365-7	51
1212	Light-induced manipulation with surface plasmons. <b>2008</b> , 10, 093001	35
1211	Immunoassay for P38 MAPK using surface enhanced resonance Raman spectroscopy (SERRS). <b>2008</b> , 133, 791-6	23

1210	Photochemical modification of an optical fiber tip with a silver nanoparticle film: a SERS chemical sensor. <b>2008</b> , 24, 4394-8	87
1209	SURFACE-ENHANCED RAMAN SCATTERING: PRINCIPLES, NANOSTRUCTURES, FABRICATIONS, AND BIOMEDICAL APPLICATIONS. <b>2008</b> , 01, 267-284	17
1208	Facile fabrication of gold nanoparticle arrays for efficient surface-enhanced Raman scattering. <b>2008</b> , 19, 105604	21
1207	Near-Field Optical Imaging of Nanoscale Optical Fields and Plasmon Waves. <b>2008</b> , 47, 6055-6062	15
1206	Nucleation and Growth of Metals. <b>2008</b> , 195-229	2
1205	A surface enhanced Raman spectroscopy platform based on nanoshells for detection of $\beta$ -amyloid. <b>2008</b> ,	1
1204	Advanced optical spectroscopies in nanotechnology. <b>2008</b> , 61-141	
1203	Index-guiding liquid-core photonic crystal fiber for solution measurement using normal and surface-enhanced Raman scattering. <b>2008</b> , 47, 040502	20
1202	Surface enhanced Raman scattering on long-range ordered noble-metal nanocrescent arrays. <b>2008</b> , 19, 145305	62
1201	Effect of surface texture and geometry on spoof surface plasmon dispersion. <b>2008</b> , 47, 029001	11
1200	Chapter 7 Photoexcitation and Optical Absorption. <b>2008</b> , 5, 175-229	1
1199	Nanophotonic split-ring resonators as dichroics for molecular spectroscopy. <b>2008</b> , 93, 023121	29
1198	Simple model for surface-enhanced Raman scattering from tilted silver nanorod array substrates. <b>2008</b> , 78,	33
1197	The influences of particle number on hot spots in strongly coupled metal nanoparticles chain. <b>2008</b> , 128, 094705	96
1196	Electrodynamic effects in plasmonic nanolenses. <b>2008</b> , 77,	43
1195	Highly efficient tip-enhanced Raman spectroscopy and microscopy of strained silicon. <b>2008</b> , 79, 013706	31
1194	Many-body theory of surface-enhanced Raman scattering. <b>2008</b> , 78,	77
1193	Synthesis of gold-silicon core-shell nanoparticles with tunable localized surface plasmon resonance. <b>2008</b> , 92, 103105	77



1192	Direct generation of terahertz surface plasmon polaritons on a wire using electron bunches. <b>2008</b> , 78,	11
1191	Directional excitation of surface plasmons with subwavelength slits. <b>2008</b> , 92, 101501	109
1190	Surface plasmon modes for periodic lattices of plasmonic hole waveguides. <b>2008</b> , 77,	7
1189	Nanoplasmonic renormalization and enhancement of Coulomb interactions. <b>2008</b> , 10, 105011	58
1188	Energy transfer in mixed CdSe and Au nanoparticle monolayers studied by simultaneous photoluminescence and Raman spectral measurements. <b>2008</b> , 78,	13
1187	Detection of multidrug-resistant tuberculosis gene using plasmonics nanoprobcs. <b>2008</b> ,	1
1186	Development of Novel Near-Field Microspectroscopy and Imaging of Local Excitations and Wave Functions of Nanomaterials. <b>2008</b> , 81, 659-675	35
1185	The Role of Adsorption Species in the Formation of Ag Nanostructures by a Microwave-Polyol Route. <b>2008</b> , 81, 393-400	19
1184	Nanoplasmonic renormalization and enhancement of Coulomb interactions. <b>2008</b> ,	1
1183	Nanoscale coupling effects on single particle microscopy. <b>2008</b> ,	
1182	Metal nanograin arrays with tunable multiple dipolar plasmon modes in integrated optofluidic devices for ultrasensitive sensing of biomolecules. <b>2008</b> ,	
1181	Role of local fields and defects in the nonlinear response of metal nanostructures. <b>2008</b> ,	
1180	. <b>2008</b> ,	55
1179	Surface-Enhanced Raman Sensors for Metabolic Analytes. 221-241	1
1178	New Trends in Plasmonics for New Optical Devices. <b>2008</b> , 36, 111-116	
1177	Plasmonic in Metallic Nanostructures [Fabrication, Characterization and Applications in Surface-Enhanced Spectroscopy. <b>2008</b> , 1, 653-660	
1176	Functional Polymer Nanocomposites. <b>2008</b> , 16, 471-481	46
1175	Nanostructure design for surface-enhanced Raman spectroscopy -- prospects and limits. <b>2008</b> , 3,	13

1174	Ionization Mechanism in Surface Plasmon Enhanced Laser Desorption/Ionization. <b>2009</b> , 7, 93-96	6
1173	The effect of layer absorbance for complex surface enhanced Raman scattering substrates. <b>2009</b> , 94, 143107	16
1172	Plasmon-Enhancement and Nano-Cavity Effects in STM Light Emission from Organic Films on Noble Metals. <b>2009</b> , 30, 491-498	
1171	Principles of Surface-Enhanced Raman Spectroscopy - Pages 629-653. <b>2009</b> , 629-653	
1170	. <b>2009</b> ,	104
1169	Intermittency in second-harmonic radiation from plasmonic hot spots on rough silver films. <b>2009</b> , 80,	27
1168	Interface matching method for solving surface plasmon modes with damping in plasmonic crystals. <b>2009</b> , 79, 017701	6
1167	Experimental evaluation of the twofold electromagnetic enhancement theory of surface-enhanced resonance Raman scattering. <b>2009</b> , 79,	62
1166	Directional control of surface plasmon polariton waves propagating through an asymmetric Bragg resonator. <b>2009</b> , 94, 063115	50
1165	Propagation lengths of surface plasmon polaritons on metal films with arrays of subwavelength holes by infrared imaging spectroscopy. <b>2009</b> , 131, 061101	12
1164	Iterative optimization of plasmon resonant nanostructures. <b>2009</b> , 94, 253102	11
1163	Surface second-harmonic generation from scattering of surface plasmon polaritons from radially symmetric nanostructures. <b>2009</b> , 79,	18
1162	Metamaterial nanotips. <b>2009</b> , 94, 113110	16
1161	Development of Tip-Enhanced Near-Field Optical Spectroscopy and Microscopy. <b>2009</b> , 48, 08JA02	6
1160	Thickness-gradient dependent Raman enhancement in silver island films. <b>2009</b> , 94, 053106	13
1159	Spectral shapes of surface-enhanced resonance Raman scattering sensitive to the refractive index of media around single Ag nanoaggregates. <b>2009</b> , 95, 263104	24
1158	The role of the nanospine in the nanocomb arrays for surface enhanced Raman scattering. <b>2009</b> , 94, 033103	10
1157	Anisotropic propagation of surface plasmon polaritons caused by oriented molecular overlayer. <b>2009</b> , 95, 033303	7

1156	Surface Plasmon Resonance with Electrospun Nanofibers on Gold Surface. <b>2009</b> , 1173, 13	1
1155	Multi-color Raman nanotags for tumor cell biomarker detection. <b>2009</b> , 2009, 6314-7	2
1154	Sharp plasmon resonances in periodic arrays of embedded nanorods. <b>2009</b> ,	
1153	Towards easily reproducible nano-structured SERS substrates. <b>2009</b> ,	3
1152	Size-Dependent Ferroelectric Phase Transitions in Nanocone Particles. <b>2009</b> , 390, 177-183	1
1151	Enhancement of light transmission by coupling to surface plasmon polaritons of a layer-plus-islands silver layer. <b>2009</b> , 106, 103104	28
1150	The effect of design parameters of metallic substrate on the reproducibility of SERS measurement for biosensing. <b>2009</b> ,	3
1149	An analytical method to study the effects of a substrate in surface-enhanced Raman scattering. <b>2009</b> , 106, 114306	4
1148	Ag nanocluster synthesis by laser ablation in Ar atmosphere: A plume dynamics analysis. <b>2009</b> , 27, 281-290	42
1147	Electronic structure and TDDFT optical absorption spectra of silver nanorods. <b>2009</b> , 113, 4445-50	89
1146	Nonlinear nanopolaritonics: finite-difference time-domain Maxwell-Schrödinger simulation of molecule-assisted plasmon transfer. <b>2009</b> , 131, 014701	47
1145	Electric field confinement and enhancement in a silver film Fabry-Pérot interferometer. <b>2009</b> , 113, 4217-22	4
1144	Field-enhanced phenomena of gold nanoparticles. <b>2009</b> , 113, 4416-22	25
1143	The effect of aqueous solution in Raman spectroscopy. <b>2009</b> ,	
1142	Formation of dielectric core/metal sheath nanowire composites and their application to SERS sensing. <b>2009</b> ,	
1141	Biosensing with plasmonic nanosensors. <b>2009</b> , 308-319	79
1140	Nanocrystal assembly for bottom-up plasmonic materials and surface-enhanced Raman spectroscopy (SERS) sensing. <b>2009</b> , 81, 61-71	9
1139	Influence of a dielectric layer on photon emission induced by a scanning tunneling microscope. <b>2009</b> , 130, 084706	20

1138	Raman scattering in current-carrying molecular junctions. <b>2009</b> , 130, 144109	63
1137	Observation of microwave plasmons in one-dimensional conjugated polymer chain. <b>2009</b> , 94, 183109	
1136	Surface plasmon resonances of an arbitrarily shaped nanoparticle: high-frequency asymptotics via pseudo-differential operators. <b>2009</b> , 42, 135204	2
1135	Surface Enhanced Raman Scattering on Self-assembled Nano Silver Film Prepared by Electrolysis Method. <b>2009</b> , 22, 435-439	1
1134	Quantitative amplification of surface enhanced Raman scattering through plasmonic coupling in controlled nanoparticle assemblies. <b>2009</b> ,	1
1133	Computational and experimental evaluation of nanoparticle coupling. <b>2009</b> , 113, 4009-14	9
1132	Near-field investigations of nanoshell cylinder dimers. <b>2009</b> , 131, 164704	19
1131	Exploring single-molecule SERS and single-nanoparticle plasmon microscopy. <b>2009</b> ,	12
1130	Light-Driven Acoustic Band Gap Based on Metal Nanospheres. <b>2009</b> , 74, 17-20	3
1129	Advanced porous gold nanofibers for highly efficient and stable molecular sensing platforms. <b>2009</b> , 20, 325604	28
1128	Nanoparticles and their tailoring with laser light. <b>2009</b> , 30, S49-S61	24
1127	Design of a versatile chemical assembly method for patterning colloidal nanoparticles. <b>2009</b> , 20, 065301	30
1126	Measuring the surface-enhanced Raman scattering enhancement factors of hot spots formed between an individual Ag nanowire and a single Ag nanocube. <b>2009</b> , 20, 434020	60
1125	Surface-enhanced Raman scattering: comparison of three different molecules on single-crystal nanocubes and nanospheres of silver. <b>2009</b> , 113, 3932-9	119
1124	Self-organizing Dimer Formation of Silver Nanocubes through Face Selective Functionalization and Surface Plasmon Coupling at Its Fractal Junction. <b>2009</b> , 1176, 15	
1123	Towards in situ detection of PAH trace in seawater using SERS-active sensors. <b>2009</b> ,	1
1122	Hybrid nanostructures of Au nanocrystals and ZnO nanorods: Layer-by-layer assembly and tunable blue-shift band gap emission. <b>2009</b> , 44, 889-892	22
1121	Spectroscopic Imaging with Nanometer Resolution Using Near-Field Methods. 473-499	1

1120	Gold Nanorails with Tunable Dipolar Multiple Plasmon Resonances. <b>2009</b> , 21, 1726-1731	57
1119	Gold nanorods: from synthesis and properties to biological and biomedical applications. <b>2009</b> , 21, 4880-4910	1473
1118	Creating In-Plane Metallic-Nanowire Arrays by Corner-Mediated Electrodeposition. <b>2009</b> , 21, 3576-3580	23
1117	Au@pNIPAM Colloids as Molecular Traps for Surface-Enhanced, Spectroscopic, Ultra-Sensitive Analysis. <b>2009</b> , 121, 144-149	26
1116	Isolating and Probing the Hot Spot Formed between Two Silver Nanocubes. <b>2009</b> , 121, 2214-2218	24
1115	Chemische Bildgebung von räumlichen Heterogenitäten in katalytischen Festkörpern auf unterschiedlichen Längen- und Zeitskalen. <b>2009</b> , 121, 5008-5043	77
1114	New applications and challenges for computational ROA spectroscopy. <b>2009</b> , 21 Suppl 1, E98-104	36
1113	Novel chiroptical analysis of hemoglobin by surface enhanced resonance Raman optical activity spectroscopy. <b>2009</b> , 21 Suppl 1, E307-12	9
1112	Single-domain antibody-conjugated nanoaggregate-embedded beads for targeted detection of pathogenic bacteria. <b>2009</b> , 15, 9330-4	52
1111	Triple-resonance coherent anti-stokes Raman scattering microspectroscopy. <b>2009</b> , 10, 344-7	22
1110	Size effect of 3D aggregates assembled from silver nanoparticles on surface-enhanced Raman scattering. <b>2009</b> , 10, 537-42	18
1109	Multilayer structures of self-assembled gold nanoparticles as a unique SERS and SEIRA substrate. <b>2009</b> , 10, 1106-11	28
1108	In situ plasmon-heating-induced generation of Au/TiO <sub>2</sub> "hot spots" on colloidal crystals. <b>2009</b> , 10, 1017-22	29
1107	Plasmonic nanoprobe for SERS biosensing and bioimaging. <b>2010</b> , 3, 89-102	161
1106	In situ nucleation and growth of silver nanoparticles in membrane materials: a controllable roughened SERS substrate with high reproducibility. <b>2009</b> , 40, 31-37	32
1105	Size-dependent SERS enhancement of colloidal silver nanoplates: the case of 2-amino-5-nitropyridine. <b>2009</b> , 40, 183-190	54
1104	Understanding SERS of bacteria. <b>2009</b> , 40, 277-288	173
1103	Silver nanoparticles synthesized by direct photoreduction of metal salts. Application in surface-enhanced Raman spectroscopy. <b>2009</b> , 40, 376-380	83

1102	Characterization and optimization of AuNPs labeled by Raman reporters on glass based on silver enhancement. <b>2009</b> , 40, 571-576	8
1101	Direct observation of surface-enhanced Raman scattering in ZnO nanocrystals. <b>2009</b> , 40, 1072-1077	180
1100	Direct visual evidence for the chemical mechanism of surface-enhanced resonance Raman scattering via charge transfer: (II) Binding-site and quantum-size effects. <b>2009</b> , 40, 1172-1177	28
1099	Effect of Pb <sup>2+</sup> on L-glutathione monolayers on a silver surface investigated by surface-enhanced Raman scattering spectroscopy. <b>2009</b> , 40, 1274-1278	6
1098	Surface-enhanced Raman scattering of 4-mercaptopyridine on sub-monolayers of Fe <sub>2</sub> O <sub>3</sub> nanocrystals (sphere, spindle, cube). <b>2009</b> , 40, 1290-1295	58
1097	Near-IR surface-enhanced Raman spectrum of lignin. <b>2009</b> , 40, 1527-1534	42
1096	Gold-coated zinc oxide nanowire-based substrate for surface-enhanced Raman spectroscopy. <b>2009</b> , 40, 1539-1545	39
1095	pH-dependent surface-enhanced Raman scattering observation of sulfanilamide on the silver surface. <b>2009</b> , 40, 1838-1843	10
1094	A tetrahedral tip as a probe for tip-enhanced Raman scattering and as a near-field Raman probe. <b>2009</b> , 40, 1386-1391	16
1093	A high-throughput method for controlled hot-spot fabrication in SERS-active gold nanoparticle dimer arrays. <b>2009</b> , 40, 2171-2175	83
1092	Raman spectra of benzoic acid enhanced by the silver nanoparticles of various sizes. <b>2009</b> , 41, 632-635	10
1091	Probing the Photothermal Effect of Gold-Based Nanocages with Surface-Enhanced Raman Scattering (SERS). <b>2009</b> , 121, 10108-10111	4
1090	Direct Evidence of High Spatial Localization of Hot Spots in Surface-Enhanced Raman Scattering. <b>2009</b> , 121, 10116-10119	8
1089	Au@pNIPAM colloids as molecular traps for surface-enhanced, spectroscopic, ultra-sensitive analysis. <b>2009</b> , 48, 138-43	263
1088	Isolating and probing the hot spot formed between two silver nanocubes. <b>2009</b> , 48, 2180-4	148
1087	Chemical imaging of spatial heterogeneities in catalytic solids at different length and time scales. <b>2009</b> , 48, 4910-43	307
1086	Probing the photothermal effect of gold-based nanocages with surface-enhanced Raman scattering (SERS). <b>2009</b> , 48, 9924-7	74
1085	Direct evidence of high spatial localization of hot spots in surface-enhanced Raman scattering. <b>2009</b> , 48, 9932-5	50

1084	Local monitoring of surface chemistry with Raman spectroscopy. <b>2009</b> , 13, 225-230	4
1083	Optofluidic device for ultra-sensitive detection of proteins using surface-enhanced Raman spectroscopy. <b>2009</b> , 6, 411-417	50
1082	Hybrid nanostructured supports for surface enhanced Raman scattering. <b>2009</b> , 255, 7652-7656	8
1081	Nano-patterned SERS substrate: application for protein analysis vs. temperature. <b>2009</b> , 24, 1693-9	200
1080	Silver salts of aromatic thiols applicable as core materials of molecular sensors operating via SERS and fluorescence. <b>2009</b> , 24, 3615-21	24
1079	Fabrication and characterization of a multiwell array SERS chip with biological applications. <b>2009</b> , 24, 3663-70	65
1078	Formation of SERS-active silver structures on the surface of mesoporous silicon. <b>2009</b> , 76, 280-287	36
1077	Coupling-induced excitation of a forbidden surface plasmon mode of a gold nanorod. <b>2009</b> , 52, 1129-1138	9
1076	On the Surface Plasmon Resonance Modes of Metal Nanoparticle Chains and Arrays. <b>2009</b> , 4, 223-230	23
1075	Oligonucleotide-Mediated Au@Ag Core@Shell Nanoparticles. <b>2009</b> , 4, 293-301	25
1074	SERS-based plasmonic nanobiosensing in single living cells. <b>2009</b> , 393, 1135-41	108
1073	Gold nanoparticle dimer plasmonics: finite element method calculations of the electromagnetic enhancement to surface-enhanced Raman spectroscopy. <b>2009</b> , 394, 1819-25	154
1072	Surface-enhanced Raman spectroscopy: substrate-related issues. <b>2009</b> , 394, 1729-45	468
1071	Tip-enhanced Raman spectroscopy for nanoscale strain characterization. <b>2009</b> , 394, 1775-85	43
1070	Chemical analysis of acoustically levitated drops by Raman spectroscopy. <b>2009</b> , 394, 1433-41	37
1069	Tailor-made metal nanoparticles as SERS substrates. <b>2009</b> , 95, 351-359	24
1068	Controlled assembly of highly Raman-enhancing silver nanocap arrays templated by porous anodic alumina membranes. <b>2009</b> , 5, 2333-7	80
1067	Bimetallic nanostructures as active Raman markers: gold-nanoparticle assembly on 1D and 2D silver nanostructure surfaces. <b>2009</b> , 5, 2460-6	54

1066	Focusing plasmons in nanoslits for surface-enhanced Raman scattering. <b>2009</b> , 5, 2876-82	34
1065	Plasmonics for near-field nano-imaging and superlensing. <b>2009</b> , 3, 388-394	573
1064	Coloured heat. <b>2009</b> , 3, 609-610	2
1063	Monochromated, spatially resolved electron energy-loss spectroscopic measurements of gold nanoparticles in the plasmon range. <b>2009</b> , 40, 269-73	25
1062	Single molecule detection of 4-dimethylaminoazobenzene by surface-enhanced Raman spectroscopy. <b>2009</b> , 920, 297-300	15
1061	Colloidal dispersion of gold nanorods: Historical background, optical properties, seed-mediated synthesis, shape separation and self-assembly. <b>2009</b> , 65, 1-38	260
1060	Optical imaging with subnanometric vertical resolution using nanoparticle-based plasmonic probes. <b>2009</b> , 282, 1032-1035	10
1059	Fabrication of an integrated Raman sensor by selective surface metallization using a femtosecond laser oscillator. <b>2009</b> , 282, 1370-1373	11
1058	Chitins and chitosans for the repair of wounded skin, nerve, cartilage and bone. <b>2009</b> , 76, 167-182	868
1057	Enhanced infrared response of ultra thin amorphous silicon photosensitive devices with Ag nanoparticles. <b>2009</b> , 517, 6256-6259	12
1056	Noble metal nanoparticles for water purification: A critical review. <b>2009</b> , 517, 6441-6478	583
1055	Raman spectroscopy of surfaces. <b>2009</b> , 603, 1328-1334	69
1054	A method to correlate optical properties and structures of metallic nanoparticles. <b>2009</b> , 109, 1110-3	31
1053	Fabrication of metallic nanocavities by soft UV nanoimprint lithography. <b>2009</b> , 86, 596-599	11
1052	Surface-enhanced Raman scattering from a single molecularly bridged silver nanoparticle aggregate. <b>2009</b> , 924-926, 567-570	24
1051	Study of protein-gold nanoparticle conjugates by fluorescence and surface-enhanced Raman scattering. <b>2009</b> , 924-926, 196-200	114
1050	Aligned silver nanorod arrays for surface-enhanced Raman spectroscopy. <b>2009</b> , 404, 1523-1526	15
1049	SERS-active Ag/Au bimetallic nanoalloys on Si/SiO(x). <b>2009</b> , 333, 237-41	32



1048	Silver-coated silicon nano-particles prepared by thermal decomposition. <b>2009</b> , 209, 4080-4083	3
1047	Nano-textured metallic surfaces for optical sensing and detection applications. <b>2009</b> , 207, 126-134	34
1046	Near-field optical imaging of enhanced electric fields and plasmon waves in metal nanostructures. <b>2009</b> , 84, 199-229	61
1045	Surface-enhanced Raman spectroscopy for identifying rock composition. <b>2009</b> , 73, 456-9	7
1044	Cell kinase activity assay based on surface enhanced Raman spectroscopy. <b>2009</b> , 73, 226-30	13
1043	Efficient preparation of silver nanoparticles supported on hybrid films and their activity in the oxidation of styrene under microwave irradiation. <b>2009</b> , 363, 122-128	26
1042	Thin films of silver nanoparticles deposited in vacuum by pulsed laser ablation using a YAG:Nd laser. <b>2009</b> , 255, 4933-4937	65
1041	Charge transfer excitation energies in pyridine-silver complexes studied by a QM/MM method. <b>2009</b> , 470, 285-288	33
1040	Tip-enhanced Raman Spectroscopy ¶ts status, challenges and future directions. <b>2009</b> , 472, 1-13	211
1039	Possible rationale for ultimate enhancement factor in single molecule Raman spectroscopy. <b>2009</b> , 477, 411-414	37
1038	Rhodamine B isothiocyanate-modified Ag nanoaggregates on dielectric beads: a novel surface-enhanced Raman scattering and fluorescent imaging material. <b>2009</b> , 24, 1864-9	29
1037	Plasmon coupling of gold nanorods at short distances and in different geometries. <b>2009</b> , 9, 1651-8	627
1036	White light scattering spectroscopy and electron microscopy of laser induced melting in single gold nanorods. <b>2009</b> , 11, 5915-21	59
1035	Analysis of biomolecules using surface plasmons. <b>2009</b> , 544, 201-29	42
1034	Novel Nanoarray SERS Substrates Used for High Sensitivity Virus Biosensing and Classification. <b>2009</b> , 99-114	0
1033	Plasmonic components fabrication via nanoimprint. <b>2009</b> , 11, 114001	84
1032	Gold nanoparticle based label-free SERS probe for ultrasensitive and selective detection of trinitrotoluene. <b>2009</b> , 131, 13806-12	579
1031	In situ intracellular spectroscopy with surface enhanced Raman spectroscopy (SERS)-enabled nanopipettes. <b>2009</b> , 3, 3529-36	129

1030	Electron energy-loss spectroscopy (EELS) of surface plasmons in single silver nanoparticles and dimers: influence of beam damage and mapping of dark modes. <b>2009</b> , 3, 3015-22	286
1029	Time-resolved observation of surface-enhanced Raman scattering from gold nanoparticles during transport through a living cell. <b>2009</b> , 14, 024038	62
1028	Femtosecond laser-nanostructured substrates for surface-enhanced Raman scattering. <b>2009</b> , 25, 1790-4	120
1027	Ultra-sensitive vibrational spectroscopy of protein monolayers with plasmonic nanoantenna arrays. <b>2009</b> , 106, 19227-32	480
1026	Enhancement and Confinement Analysis of The Electromagnetic Fields Inside Hot Spots. <b>2009</b> , 113, 6315-6319	23
1025	Quantitative Amplification of Cy5 SERS in Warm Spots Created by Plasmonic Coupling in Nanoparticle Assemblies of Controlled Structure <b>2009</b> , 113, 12167-12175	41
1024	Near- and Deep-Ultraviolet Resonance Raman Spectroscopy of Pyrazine-Al4 Complex and Al3Pyrazine-Al3 Junction. <b>2009</b> , 113, 19328-19334	20
1023	Plasmonic control of the shape of the Raman spectrum of a single molecule in a silver nanoparticle dimer. <b>2009</b> , 3, 1988-94	106
1022	High Fidelity Nano-Hole Enhanced Raman Spectroscopy. <b>2009</b> , 113, 11190-11197	27
1021	SERRS coded nanoparticles for biomolecular labelling with wavelength-tunable discrimination. <b>2009</b> , 134, 549-56	19
1020	Silver-Nanoparticle-Conjugated Polypeptide Brushes for Surface-Enhanced Raman Scattering. <b>2009</b> , 113, 13498-13504	15
1019	Competitive Adsorption of 4-Methyl-4H-1,2,4-triazole-3-thiol and Na Salt of Phytic Acid on a Silver Surface: Raman Spectral and Electrochemical Observations. <b>2009</b> , 113, 9748-9754	11
1018	Surface Plasmon Excitation and Surface-Enhanced Raman Scattering Using Two-Dimensionally Close-Packed Gold Nanoparticles <b>2009</b> , 113, 11689-11694	23
1017	Long-Range Interfacial Electrochemical Electron Transfer of Pseudomonas aeruginosa Azurin-Gold Nanoparticle Hybrid Systems. <b>2009</b> , 113, 13993-14000	40
1016	Electrochemical Control of the Time-Dependent Intensity Fluctuations in Surface-Enhanced Raman Scattering (SERS). <b>2009</b> , 113, 17737-17744	56
1015	Surface-enhanced Raman scattering inside metal nanoshells. <b>2009</b> , 131, 3808-9	79
1014	Self-Assembled Nanoparticle-Nanotube Structures (nanoPaNTs) Based on Antenna Chemistry of Single-Walled Carbon Nanotubes. <b>2009</b> , 113, 18863-18869	5
1013	SERS study of the controllable release of nitric oxide from aromatic nitrosothiols on bimetallic, bifunctional nanoparticles supported on carbon nanotubes. <b>2009</b> , 1, 56-9	22

1012	Periodic and Dynamic 3-D Gold NanoparticleDNA Network Structures for Surface-Enhanced Raman Spectroscopy-Based Quantification. <b>2009</b> , 113, 5980-5983		27
1011	Creating Well-Defined Hot Spots for Surface-Enhanced Raman Scattering by Single-Crystalline Noble Metal Nanowire Pairs. <b>2009</b> , 113, 7492-7496		53
1010	Three-dimensional mapping of near-field interactions via single-photon tomography. <b>2009</b> , 9, 3440-6		13
1009	Synthesis of anti-aggregation silver nanoparticles based on inositol hexakisphosphoric micelles for a stable surface enhanced Raman scattering substrate. <b>2009</b> , 20, 315603		22
1008	Characteristic Length and Temperature Dependence of Surface Enhanced Raman Scattering of Nanoporous Gold. <b>2009</b> , 113, 10956-10961		72
1007	Wavelength-Dependent Surface-Enhanced Resonance Raman Scattering by Excitation of a Transverse Localized Surface Plasmon $\square$ <b>2009</b> , 113, 11877-11883		5
1006	Electrostatic interaction based approach to thrombin detection by surface-enhanced Raman spectroscopy. <b>2009</b> , 81, 87-93		113
1005	SERS Enhancement Factors Studies of Silver Nanoprism and Spherical Nanoparticle Colloids in The Presence of Bromide Ions. <b>2009</b> , 113, 9520-9525		96
1004	Fabrication of Large-Area Self-Organizing Gold Nanostructures with Sub-10 nm Gaps on a Porous Al <sub>2</sub> O <sub>3</sub> Template for Application as a SERS-Substrate. <b>2009</b> , 113, 14165-14171		32
1003	Dirac spectra and edge states in honeycomb plasmonic lattices. <i>Physical Review Letters</i> , <b>2009</b> , 102, 123904	64	67
1002	Mechanochemistry: one bond at a time. <b>2009</b> , 3, 1628-45		116
1001	Ultrafast nonradiative decay rates on metallic surfaces by comparing surface-enhanced Raman and fluorescence signals of single molecules. <i>Physical Review Letters</i> , <b>2009</b> , 103, 063003	7.4	107
1000	Porous substrates for label-free molecular level detection of nonresonant organic molecules. <b>2009</b> , 3, 181-8		176
999	Imaging and spectroscopy through plasmonic nano-probe. <b>2009</b> , 46, 20101		9
998	Room Temperature Ferromagnetic Ni Nanocrystals: An Efficient Transition Metal Platform for Manifestation of Surface-Enhanced Raman Scattering. <b>2009</b> , 113, 6022-6032		14
997	Forward-propagating surface-enhanced Raman scattering and intensity distribution in photonic crystal fiber with immobilized Ag nanoparticles. <b>2009</b> , 34, 968-70		38
996	Nanoimprint fabrication of gold nanocones with approximately 10 nm tips for enhanced optical interactions. <b>2009</b> , 34, 1979-81		42
995	Enhancement of optical properties of nanoscaled objects by metal nanoparticles. <b>2009</b> , 26, B83		69

994	Deterministic aperiodic arrays of metal nanoparticles for surface-enhanced Raman scattering (SERS). <b>2009</b> , 17, 3741-53	193
993	Surface enhanced Raman imaging: periodic arrays and individual metal nanoparticles. <b>2009</b> , 17, 12698-705	45
992	Revealing the spatial distribution of the site enhancement for the surface enhanced Raman scattering on the regular nanoparticle arrays. <b>2009</b> , 17, 13974-81	15
991	SERS-active substrate based on gap surface plasmon polaritons. <b>2009</b> , 17, 17234-41	27
990	Near-field focusing with optical phase antennas. <b>2009</b> , 17, 17801-11	10
989	One-step fabrication of nanostructures by femtosecond laser for surface-enhanced Raman scattering. <b>2009</b> , 17, 21581-9	52
988	Surface plasmon resonance and field enhancement in #-shaped gold wires metamaterial. <b>2009</b> , 17, 21843-9	16
987	Symmetry breaking induced optical properties of gold open shell nanostructures. <b>2009</b> , 17, 23765-71	65
986	Plasmon near-field coupling in metal dimers as a step toward single-molecule sensing. <b>2009</b> , 3, 1231-7	290
985	Molecule Surface Orientational Averaging in Surface Enhanced Raman Optical Activity Spectroscopy. <b>2009</b> , 113, 9445-9449	18
984	Surface-enhanced Raman scattering biosensor for DNA detection on nanoparticle island substrates. <b>2009</b> , 48, 4329-37	45
983	Optical Antennas. <b>2009</b> , 1, 438	927
982	Targeted surface-enhanced Raman scattering nanosensors for whole-cell pH imagery. <b>2009</b> , 63, 387-95	32
981	Nanostructural silver and gold substrates for surface-enhanced Raman spectroscopy measurements prepared by galvanic displacement on germanium disks. <b>2009</b> , 63, 396-400	24
980	Gold Nanoparticle Superlattices: Novel Surface Enhanced Raman Scattering Active Substrates. <b>2009</b> , 21, 3773-3781	28
979	Carbon-coated copper nanoparticles: synthesis, characterization and optical properties. <b>2009</b> , 33, 1474	48
978	Surface Catalytic Coupling Reaction of p-Mercaptoaniline Linking to Silver Nanostructures Responsible for Abnormal SERS Enhancement: A DFT Study. <b>2009</b> , 113, 18212-18222	246
977	Study of SERS chemical enhancement factors using buffer layer assisted growth of metal nanoparticles on self-assembled monolayers. <b>2009</b> , 131, 6310-1	56

976	Surface and interference coenhanced Raman scattering of graphene. <b>2009</b> , 3, 933-9	81
975	Remote-excitation surface-enhanced Raman scattering using propagating Ag nanowire plasmons. <b>2009</b> , 9, 2049-53	186
974	Gold nanorod arrays with good reproducibility for high-performance surface-enhanced Raman scattering. <b>2009</b> , 25, 4708-14	65
973	Metal-enhanced fluorescence of rhodamine B isothiocyanate from micrometer-sized silver powders. <b>2009</b> , 25, 2641-5	16
972	Silicon nanowires coated with silver nanostructures as ultrasensitive interfaces for surface-enhanced Raman spectroscopy. <b>2009</b> , 1, 1396-403	125
971	Optical antennas and plasmonics. <b>2009</b> , 50, 407-423	71
970	SERS detection of low-concentration adenine by a patterned silver structure immersion plated on a silicon nanoporous pillar array. <b>2009</b> , 20, 295501	67
969	Multi-channel surface-enhanced Raman scattering probe based on photonic crystal fiber. <b>2009</b> ,	2
968	Synthesis and characterization of Au-attached single-walled carbon nanotube bundles. <b>2009</b> , 20, 285708	9
967	Plasmonic optical antennas on dielectric gratings with high field enhancement for surface enhanced Raman spectroscopy. <b>2009</b> , 94, 263114	28
966	What can be learned from single molecule spectroscopy? Applications to sol-gel-derived silica materials. <b>2009</b> , 11, 66-82	52
965	Surface Enhanced Raman Scattering Sensing with Nanostructures Fabricated by Soft Nanolithography. <b>2009</b> , 46, 1182-1184	13
964	Surface Enhanced Raman Scattering from an Ag Nanorod Array Substrate: The Site Dependent Enhancement and Layer Absorbance Effect. <b>2009</b> , 113, 9664-9669	50
963	Applications of Nanomaterials in Environmental Science and Engineering: Review. <b>2009</b> , 13, 110-119	63
962	Multiplex detection of breast cancer biomarkers using plasmonic molecular sentinel nanoprobe. <b>2009</b> , 20, 065101	101
961	Influence of metallic nanoparticles on upconversion processes. <b>2009</b> , 105, 033107	52
960	Surface-enhanced Raman spectroscopy of CdSe quantum dots on nanostructured plasmonic surfaces. <b>2009</b> , 95, 141111	45
959	The controlled pulsed laser deposition of Ag nanoparticle arrays for surface enhanced Raman scattering. <b>2009</b> , 20, 245606	55

958	The discovery of surface-enhanced Raman scattering. <b>2009</b> , 63, 105-109	46
957	Minimum enhancement of surface-enhanced Raman scattering for single-molecule detections. <b>2009</b> , 113, 8529-32	21
956	Scanning surface-enhanced Raman spectroscopy (SERS) of chemical agent simulants on templated Au-Ag nanowire substrates. <b>2009</b> ,	
955	Plasmonic Enhancement of Raman Scattering on Non-SERS-Active Platinum Substrates. <b>2009</b> , 113, 11816-11826	69
954	SERS not to be taken for granted in the presence of oxygen. <b>2009</b> , 131, 7480-1	138
953	Understanding the molecule-surface chemical coupling in SERS. <b>2009</b> , 131, 4090-8	324
952	Single Metallic Nanoparticle Sensitivity with Hyper Rayleigh Scattering. <b>2009</b> , 113, 13477-13481	30
951	Surface-enhanced Raman scattering by CdS quantum dots. <b>2009</b> ,	
950	Surface-Enhanced Raman Scattering Spectroscopy. <b>2009</b> , 289-319	7
949	Ag nanostructures assembled on magnetic particles for ready SERS-based detection of dissolved chemical species. <b>2009</b> , 134, 308-13	34
948	Surface enhanced Raman microscopy with metal nanoparticle arrays. <b>2009</b> , 11, 075004	25
947	Nanoparticle-Enhanced Photopolymerization $\square$ <b>2009</b> , 113, 11720-11724	67
946	Surface-enhanced resonance raman spectroscopy for the rapid detection of <i>Cryptosporidium parvum</i> and <i>Giardia lamblia</i> . <b>2009</b> , 43, 1147-52	71
945	Optical Guided-wave Chemical and Biosensors I. <b>2009</b> ,	7
944	Surface-enhanced Raman excitation spectroscopy of a single rhodamine 6G molecule. <b>2009</b> , 131, 849-54	264
943	Vibrational spectroscopy: a clinical tool for cancer diagnostics. <b>2009</b> , 134, 1029-45	226
942	Controllable nanofabrication of aggregate-like nanoparticle substrates and evaluation for surface-enhanced Raman spectroscopy. <b>2009</b> , 3, 3845-53	63
941	Probing the surface-enhanced Raman scattering properties of Au-Ag nanocages at two different excitation wavelengths. <b>2009</b> , 11, 5903-8	104

940	Large-scale synthesis of flexible free-standing SERS substrates with high sensitivity: electrospun PVA nanofibers embedded with controlled alignment of silver nanoparticles. <b>2009</b> , 3, 3993-4002	338
939	On the importance of incorporating dipole reradiation in the modeling of surface enhanced Raman scattering from spheres. <b>2009</b> , 131, 084708	66
938	Surface-enhanced IR-visible sum frequency generation vibrational spectroscopy. <b>2009</b> , 11, 3436-42	43
937	Rapid, solution-based characterization of optimized SERS nanoparticle substrates. <b>2009</b> , 131, 162-9	91
936	Additional amplifications of SERS via an optofluidic CD-based platform. <b>2009</b> , 9, 239-43	66
935	Synthesis of silver nanoparticles with controllable surface charge and their application to surface-enhanced Raman scattering. <b>2009</b> , 81, 2280-5	89
934	Aggregation Kinetics of Gold Nanoparticles at the Silica/Water Interface. <b>2009</b> , 113, 5514-5519	8
933	Controlling the electrodeposition of mesoporous metals for nanoplasmonics. <b>2009</b> , 1, 355-9	6
932	Optical Sensor Systems in Biotechnology. <b>2009</b> ,	2
931	Toward subdiffraction transmission microscopy of diffuse materials with silver nanoparticle white-light beacons. <b>2009</b> , 9, 952-6	7
930	Raman scattering from nonequilibrium molecular conduction junctions. <b>2009</b> , 9, 758-62	41
929	High-throughput fabrication of nanoantennae over large areas for biosensing and nanospectroscopy. <b>2009</b> , 95, 231903	4
928	Hot spots in highly Raman-enhancing silver nano-dendrites. <b>2009</b> , 42, 175403	44
927	Mode-Selective Surface-Enhanced Raman Spectroscopy Using Nanofabricated Plasmonic Dipole Antennas. <b>2009</b> , 113, 14672-14675	76
926	Time-dependent and symmetry-selective charge-transfer contribution to SERS in gold nanoparticle aggregates. <b>2009</b> , 25, 12475-80	52
925	Decoration of gold nanoparticles on surface-grown single-walled carbon nanotubes for detection of every nanotube by surface-enhanced Raman spectroscopy. <b>2009</b> , 131, 14310-6	93
924	Quantitation of biomolecules conjugated to nanoparticles by enzyme hydrolysis. <b>2009</b> , 2872-4	18
923	Controlling the non-resonant chemical mechanism of SERS using a molecular photoswitch. <b>2009</b> , 11, 7424-9	20

922	In situ detection of pterins by SERS. <b>2009</b> , 134, 1561-4	20
921	Surface-enhanced Raman spectroscopy of dyes: from single molecules to the artists' canvas. <b>2009</b> , 11, 7350-9	123
920	Stabilizing single-molecular Raman spectrum of a nonbonding molecule on Ag nanoparticles. <b>2009</b> , 1342-4	17
919	Aligned carbon nanotubes as polarization-sensitive, molecular near-field detectors. <b>2009</b> , 106, 2495-9	31
918	Two-photon imaging of localized optical fields in the vicinity of silver nanowires using a scanning near-field optical microscope. <b>2009</b> , 11, 5876-81	9
917	Quantitative analysis via Surface Enhanced Raman Scattering from Ag nano-colloids utilizing an oscillating cell and right-angle collection geometry. <b>2009</b> , 134, 587-92	14
916	Plasmon-controlled fluorescence towards high-sensitivity optical sensing. <b>2009</b> , 116, 29-72	12
915	On the chemical bonding effects in the Raman response: benzenethiol adsorbed on silver clusters. <b>2009</b> , 11, 9401-11	81
914	Mixed monolayers on gold nanoparticle labels for multiplexed surface-enhanced Raman scattering based immunoassays. <b>2009</b> , 81, 9643-50	109
913	Observation of Dyakonov surface waves. <i>Physical Review Letters</i> , <b>2009</b> , 102, 043903	7.4 118
912	Near-Field Optics for Heat-Assisted Magnetic Recording (Experiment, Theory, and Modeling). <b>2009</b> , 53-111	9
911	Gold nanoparticles can induce the formation of protein-based aggregates at physiological pH. <b>2009</b> , 9, 666-71	317
910	Single gold nanostars enhance Raman scattering. <b>2009</b> , 94, 153113	168
909	Plasmonic nanogalaxies: multiscale aperiodic arrays for surface-enhanced Raman sensing. <b>2009</b> , 9, 3922-9	188
908	Engineered SERS substrates with multiscale signal enhancement: nanoparticle cluster arrays. <b>2009</b> , 3, 1190-202	338
907	Raman spectroelectrochemistry of molecules within individual electromagnetic hot spots. <b>2009</b> , 131, 14390-8	79
906	A unified view of surface-enhanced Raman scattering. <b>2009</b> , 42, 734-42	569
905	Near-field enhancement of multipole plasmon resonances in Ag and Au nanowires. <b>2009</b> , 113, 4489-97	39



904	Silver-coated silica beads applicable as core materials of dual-tagging sensors operating via SERS and MEF. <b>2009</b> , 1, 2174-80	37
903	Broad band two-dimensional manipulation of surface plasmons. <b>2009</b> , 9, 462-6	67
902	Optimization of multilayer surface-enhanced Raman scattering (SERS) immuno-nanosensors via self-assembled monolayer spacers. <b>2009</b> ,	2
901	Probing of cancer cell apoptosis by SERS and LSCM. <b>2009</b> ,	3
900	Tunable fiber-optic imaging bundle SERS substrates. <b>2009</b> ,	
899	Nanoparticle optics of complex nanorod architectures. <b>2009</b> ,	
898	Enhancement of emission from CdSe quantum dots induced by propagating surface plasmon polaritons. <b>2009</b> , 94, 173506	7
897	Colloidal Dispersion of Metallic Nanoparticles. <b>2009</b> , 339-365	
896	Identification of Thiocyanine J-aggregates Adsorbed on Single Silver Nanoaggregates by Surface-Enhanced Raman Scattering and Emission Spectroscopy. <b>2009</b> , 82, 1126-1132	13
895	Squeezing light into subwavelength metallic tapers: single mode matching method. <b>2009</b> , 3, 033505	0
894	Sensitive molecular diagnostics using surface-enhanced resonance Raman scattering (SERRS). <b>2009</b> ,	
893	Gold based Nanoparticles Generated by Radiolytic and Photolytic Methods. <b>2010</b> , 4, 170-188	35
892	Exploring optimized configurations of plasmonic nanoparticles. <b>2010</b> ,	
891	Optimized surface-enhanced Raman scattering (SERS) colloids for the characterization of microorganisms. <b>2010</b> , 26, 761-6	38
890	Spherical and Anisotropic Silver Nanomaterials in Medical Diagnosis. <b>2010</b> ,	
889	An apertureless near-field scanning optical microscope for imaging surface plasmons in the mid-wave infrared. <b>2010</b> ,	
888	Finding Exoplanets with Quantum Imaging. <b>2010</b> , 3,	3
887	Optical cross-talk and surface characterization of SERS nanoimaging bundle substrates. <b>2010</b> ,	0

886	Templateless Synthesis of Nanoporous Gold Sponge with Surface-enhanced Raman Scattering Activity. <b>2010</b> , 39, 372-373		9
885	Metallic Nanoparticles for Enhanced Raman Imaging of Living Cells. <b>2010</b> , 38, 427-432		
884	Electrochemical determination of the absolute cross-section of giant Raman light scattering by silver-silver adatom complexes. <b>2010</b> , 46, 1105-1112		1
883	Nanohole Arrays in Metal Films as Integrated Chemical Sensors and Biosensors. <b>2010</b> , 155-179		
882	Molecular diagnostic and drug delivery agents based on aptamer-nanomaterial conjugates. <b>2010</b> , 62, 592-605		241
881	Biocompatibility and biodistribution of surface-enhanced Raman scattering nanoprobes in zebrafish embryos: in vivo and multiplex imaging. <b>2010</b> , 4, 4039-53		122
880	Surface phonon polaritons on SiC substrate for surface-enhanced infrared absorption spectroscopy. <b>2010</b> , 27, 2393		13
879	Introduction to the Fundamentals of Raman Spectroscopy. <b>2010</b> , 21-42		7
878	Interaction between plasmonic nanoparticles revisited with transformation optics. <i>Physical Review Letters</i> , <b>2010</b> , 105, 233901	7.4	101
877	Broadband nano-focusing of light using kissing nanowires. <b>2010</b> , 12, 093030		63
876	The past, present and future of enzyme measurements using surface enhanced Raman spectroscopy. <b>2010</b> , 1, 151		46
875	Plasmonics nanoprobes: detection of single-nucleotide polymorphisms in the breast cancer BRCA1 gene. <b>2010</b> , 398, 729-36		35
874	FDTD modeling of realistic semicontinuous metal films. <b>2010</b> , 100, 159-168		42
873	Measuring the SERS Enhancement Factors of Dimers with Different Structures Constructed from Silver Nanocubes. <b>2010</b> , 484, 304-308		99
872	Disentangling SERS signals from two molecular species: A new evidence for the production of p,p'-dimercaptoazobenzene by catalytic coupling reaction of p-aminothiophenol on metallic nanostructures. <b>2010</b> , 500, 277-282		51
871	Preparation and characterization of novel chitin/nanosilver composite scaffolds for wound dressing applications. <b>2010</b> , 80, 761-767		232
870	EFTEM study of surface plasmon resonances in silver nanoholes. <b>2010</b> , 110, 1094-1100		14
869	Annealing effect on InP vertical porous arrays. <b>2010</b> , 53, 1562-1566		

868	Surface-enhanced Raman scattering on dual-layer metallic grating structures. <b>2010</b> , 55, 2643-2648	8
867	FDTD for plasmonics: Applications in enhanced Raman spectroscopy. <b>2010</b> , 55, 2635-2642	48
866	Preparation, Optimization, and Characterization of SERS Sensor Substrates Based on Two-Dimensional Structures of Gold Colloid. <b>2010</b> , 5, 21-29	16
865	Location-Dependent Local Field Enhancement Along the Surface of the Metal-Dielectric Core-Shell Nanostructure. <b>2010</b> , 5, 311-318	9
864	Self-assembly of Silver Nanoparticles and Multiwall Carbon Nanotubes on Decomposed GaAs Surfaces. <b>2010</b> , 5, 1737-1743	1
863	Development of novel chitin/nanosilver composite scaffolds for wound dressing applications. <b>2010</b> , 21, 807-13	291
862	Nanoplasmonic-Particle-Enhanced Optical Molecular Sensing. <b>2010</b> , 16, 662-671	9
861	New spectroscopic methods for environmental measurement and monitoring. <b>2010</b> , 17, 204-211	4
860	Molecular-level investigation on electrochemical interfaces by Raman spectroscopy. <b>2010</b> , 18, 135-146	1
859	Time-dependent surface plasmon resonance spectroscopy of silver nanoprisms in the presence of halide ions. <b>2010</b> , 11, 1742-8	35
858	Multilayer substrate-mediated tuning resonance of plasmon and SERS EF of nanostructured silver. <b>2010</b> , 11, 2539-45	12
857	Ag/Graphene Heterostructures: Synthesis, Characterization and Optical Properties. <b>2010</b> , 2010, 1244-1248	249
856	Metal-Polymer Nanocomposites for Functional Applications. <b>2010</b> , 12, 1177-1190	183
855	Surface Nanometer-Scale Patterning in Realizing Large-Scale Ordered Arrays of Metallic Nanoshells with Well-Defined Structures and Controllable Properties. <b>2010</b> , 20, 2527-2533	115
854	Single-molecule spectroscopy for plastic electronics: materials analysis from the bottom-up. <b>2010</b> , 22, 1689-721	120
853	Properties and applications of colloidal nonspherical noble metal nanoparticles. <b>2010</b> , 22, 1805-25	809
852	Metal-insulator-metal optical nanoantenna with equivalent-circuit analysis. <b>2010</b> , 22, 1754-8	22
851	Functional nanostructured plasmonic materials. <b>2010</b> , 22, 1102-10	104

850	Towards full-length accumulative surface-enhanced Raman scattering-active photonic crystal fibers. <b>2010</b> , 22, 2647-51	67
849	A nanoparticle convective directed assembly process for the fabrication of periodic surface enhanced Raman spectroscopy substrates. <b>2010</b> , 22, 4298-302	86
848	Antitags: nanostructured tools for developing SERS-based ELISA analogs. <b>2010</b> , 22, 4954-8	41
847	Basic Electromagnetic Theory of SERS. <b>2010</b> , 1-37	21
846	Quantitative DNA Analysis Using Surface-Enhanced Resonance Raman Scattering. <b>2010</b> , 241-262	1
845	1-P and 2-P Excited SERS as Intracellular Probe. <b>2010</b> , 285-304	
844	Single-Molecule- and Trace Detection by SERS. <b>2010</b> , 87-101	2
843	Vibrational signature of double-end-linked molecules at Au nanojunctions probed by surface-enhanced Raman spectroscopy. <b>2010</b> , 16, 1449-53	20
842	Einzelmoleküle als optische Nanosonden für weiche und komplexe Materie. <b>2010</b> , 122, 866-879	12
841	Etching and Dimerization: A Simple and Versatile Route to Dimers of Silver Nanospheres with a Range of Sizes. <b>2010</b> , 122, 168-172	18
840	Nanopartikelcluster: SERS im Rampenlicht. <b>2010</b> , 122, 2888-2892	5
839	Single molecules as optical nanoprobes for soft and complex matter. <b>2010</b> , 49, 854-66	74
838	Etching and dimerization: a simple and versatile route to dimers of silver nanospheres with a range of sizes. <b>2010</b> , 49, 164-8	118
837	Nanoparticle clusters light up in SERS. <b>2010</b> , 49, 2826-9	78
836	Micro Raman spectroscopy for monitoring alterations between human skin keratinocytes HaCaT and their tumorigenic derivatives A5RT3 toward a Raman characterization of a skin carcinoma model. <b>2010</b> , 41, 16-26	15
835	Incorporation of Ag nanoparticles into membrane mimetic systems composed by phospholipid layer-by-layer (LbL) films to achieve surface-enhanced Raman scattering as a tool in drug interaction studies. <b>2010</b> , 41, 40-48	23
834	Adjustment and control of SERS activity of metal substrates by pressure. <b>2010</b> , 41, 398-405	10
833	Surface-enhanced Raman scattering (SERS) spectra of hemoglobin on nano silver film prepared by electrolysis method. <b>2010</b> , 41, 614-617	19

832	Surface-enhanced Raman scattering from polystyrene on gold clusters. <b>2010</b> , 41, 745-751	57
831	Vibrational spectroscopic studies and computational study of methyl(2-methyl-4,6-dinitrophenylsulfanyl)ethanoate. <b>2010</b> , 41, 829-838	7
830	Detection of biologically active diterpenoic acids by Raman Spectroscopy. <b>2010</b> , 41, 964-968	12
829	The SERS response of semioordered Ag nanorod arrays fabricated by template oblique angle deposition. <b>2010</b> , 41, 1112-1118	25
828	Surface-enhanced Raman spectroscopic analysis of fonofos pesticide adsorbed on silver and gold nanoparticles. <b>2010</b> , 41, 1137-1148	69
827	Surface-enhanced Raman spectroscopy for trace-level detection of explosives. <b>2010</b> , 41, 866-869	35
826	Near field properties of nanoparticle arrays fabricated by laser annealing of thin Au and Ag films. <b>2010</b> , 257, 1075-1079	18
825	Nanostructured Metal Oxides and Devices. <b>2020</b> ,	1
824	Molecular orientation and specificity in the identification of biomolecules via surface enhanced Raman spectroscopy. <b>2020</b> , 599, 113709	4
823	Surface Enhanced Raman Scattering Selectivity in Proteins Arises from Electron Capture and Resonant Enhancement of Radical Species. <b>2020</b> , 124, 9548-9558	6
822	Nanoparticle-Enhanced Plasma Discharge Using Nanosecond High-Voltage Pulses. <b>2020</b> , 124, 7487-7491	4
821	Optomechanical Collective Effects in Surface-Enhanced Raman Scattering from Many Molecules. <b>2020</b> , 7, 1676-1688	9
820	Low-cost and high sensitivity glucose sandwich detection using a plasmonic nanodisk metasurface. <b>2020</b> , 12, 10809-10815	15
819	In situ thermally induced reduction of silver nitrate by polyvinyl alcohol to prepare a three-dimensional porous Ag substrate with excellent adsorption and surface-enhanced Raman scattering properties. <b>2020</b> , 8, 6478-6487	7
818	Vapor-deposited Au thin films modified by plasma etching for surface-enhanced Raman scattering active substrates. <b>2020</b> , 127, 093105	2
817	SERS Active Hierarchical Nanopillar-huddle Array Fabricated via the Combination of Nanoimprint Lithography and Anodization. <b>2020</b> , 88, 165-173	1
816	Assessment of Transdermal Delivery of Topical Compounds in Skin Scarring Using a Novel Combined Approach of Raman Spectroscopy and High-Performance Liquid Chromatography. <b>2021</b> , 10, 1-12	0
815	Plasmonic gold nanostars@ZIF-8 nanocomposite for the ultrasensitive detection of gaseous formaldehyde. <b>2021</b> , 56, 4151-4160	8

814	Wafer-scale SERS metallic nanotube arrays with highly ordered periodicity. <b>2021</b> , 329, 129132	8
813	Surface-enhanced Raman scattering probe for molecules strongly coupled with localized surface plasmon under electrochemical potential control. <b>2021</b> , 52, 431-438	5
812	Optimized Au NRs for efficient SERS and SERRS performances with molecular and longitudinal surface plasmon resonance. <b>2021</b> , 537, 147615	8
811	Recent advances in biosensors for in vitro detection and in vivo imaging of DNA methylation. <b>2021</b> , 171, 112712	29
810	Quantum Engineering Enables Broadband and Robust Terahertz Surface Plasmon-Polaritons Coupler. <b>2021</b> , 27, 1-7	4
809	Atto-Molar Raman detection on patterned superhydrophilic-superhydrophobic platform via localizable evaporation enrichment. <b>2021</b> , 326, 128826	12
808	Recent advances in applications of nanoparticles in SERS in vivo imaging. <b>2021</b> , 13, e1672	18
807	Attenuated total reflection-cascading nanostructure-enhanced Raman spectroscopy on flat surfaces: A nano-optical design. <b>2021</b> , 52, 446-457	1
806	Adsorption of dipeptide L-alanyl-L-tryptophan on gold colloidal nanoparticles studied by surface-enhanced Raman spectroscopy. <b>2021</b> , 247, 119064	3
805	Identifying benign and malignant thyroid nodules based on blood serum surface-enhanced Raman spectroscopy. <b>2021</b> , 32, 102328	8
804	3D Silver Dendrites for Single-molecule Imaging by Surface-enhanced Raman Spectroscopy. <b>2021</b> , 7, 141-149	3
803	Raman Spectroscopy. <b>2021</b> , 161-183	
802	A brief history of surface-enhanced Raman spectroscopy and the localized surface plasmon Dedicated to the memory of Richard Van Duyne (1945-2019). <b>2021</b> , 52, 279-284	6
801	Single-Particle Analysis on Plasmonic Nanogap Systems for Quantitative SERS. <b>2021</b> , 52, 375-385	10
800	Portable and sensitive Ag nanorods based SERS platform for rapid HIV-1 detection and tropism determination. <b>2021</b> , 198, 111477	15
799	Silver-Coated Disordered Silicon Nanowires Provide Highly Sensitive Label-Free Glycated Albumin Detection through Molecular Trapping and Plasmonic Hotspot Formation. <b>2021</b> , 10, e2001110	8
798	Field-modulated photoninduced plasmons of armchair graphene nanoribbons. <b>2021</b> , 603, 412756	
797	SERS and the scientific career of Richard P. Van Duyne (1945-2019). <b>2021</b> , 52, 268-278	1

796	Surface enhanced Raman scattering of brilliant green: Packing density and stabilizing effect of the cationic surfactant CTAB on the hotspot spacing. <b>2021</b> , 610, 125912	3
795	Study of surface enhanced Raman scattering of IR-780 Iodide molecules using Au-Ag bimetallic nanostructures with blunt and sharp sprouts. <b>2021</b> , 249, 119262	2
794	Recent advances in nanoporous AAO based substrates for surface-enhanced raman scattering. <b>2021</b> , 41, 843-850	2
793	Trace level detection of select opioids (fentanyl, hydrocodone, oxycodone, and tramadol) in suspect pharmaceutical tablets using surface-enhanced Raman scattering (SERS) with handheld devices. <b>2021</b> , 66, 491-504	10
792	Metal-semiconductor heterostructures for surface-enhanced Raman scattering: synergistic contribution of plasmons and charge transfer. <b>2021</b> , 8, 370-382	39
791	Tip-Enhanced Raman Spectroscopy. <b>2021</b> , 209-234	1
790	Template-assisted fabrication of Ag-nanoparticles@ZnO-nanorods array as recyclable 3D surface enhanced Raman scattering substrate for rapid detection of trace pesticides. <b>2021</b> , 32, 145302	12
789	Vibrational Spectra of Nucleotides in the Presence of the Au Cluster Enhancer in MD Simulation of a SERS Sensor. <b>2021</b> , 11,	1
788	Single-molecule surface-enhanced Raman spectroscopy (SM-SERS): characteristics and spectral information. <b>2021</b> , 70, 137401-137401	0
787	Molecular Imaging Using Raman Scattering. <b>2021</b> , 343-357	
786	Self-assembly of colloidal nanoparticles into 2D arrays at water-oil interfaces: rational construction of stable SERS substrates with accessible enhancing surfaces and tailored plasmonic response. <b>2021</b> , 13, 5937-5953	16
785	Frontiers of light manipulation in natural, metallic, and dielectric nanostructures. <b>2021</b> , 44, 1-68	8
784	Combined negative dielectrophoresis with a flexible SERS platform as a novel strategy for rapid detection and identification of bacteria. <b>2021</b> , 413, 2007-2020	6
783	Origin of layer-dependent SERS tunability in 2D transition metal dichalcogenides. <b>2021</b> , 6, 186-191	9
782	Plasmon-driven photocatalytic molecular transformations on metallic nanostructure surfaces: mechanistic insights gained from plasmon-enhanced Raman spectroscopy. <b>2021</b> , 6, 250-280	9
781	A Programmable DNA-Silicification-Based Nanocavity for Single-Molecule Plasmonic Sensing. <b>2021</b> , 33, e2005133	10
780	Fabrication of high quality electrochemical SERS (EC-SERS) substrates using physical vapour deposition. <b>2021</b> , 23, 20065-20072	1
779	SERS Sensor Applications in Environmental Analysis and Biotechnology. <b>2021</b> , 197-236	0

778	Recent progresses on metamaterials for optical absorption and sensing: a review. <b>2021</b> , 54, 113002	19
777	Large-Area Nanogap-Controlled 3D Nanoarchitectures Fabricated Layer-by-Layer Nanoimprint. <b>2021</b> , 15, 503-514	7
776	Between plasmonics and surface-enhanced resonant Raman spectroscopy: toward single-molecule strong coupling at a hotspot. <b>2021</b> , 13, 1566-1580	10
775	The Plasmonic Effect of Gold Nanorods on Charged Molecules: SERRS and SEF effects. <b>2021</b> , 24,	0
774	Spread spectrum SERS allows label-free detection of attomolar neurotransmitters. <b>2021</b> , 12, 159	14
773	Progress in the Applications of Raman Spectroscopy in Microbial Identification. <b>2021</b> , 33, 1183-1190	
772	Correlation of optical sensing with extinction coefficient and local field enhancement in gold nanosphere dimer. <b>2021</b> , 70, 097301-097301	
771	Vanadium dioxide nanostructures with remarkable surface-enhanced Raman scattering activity. <b>2021</b> , 57, 4815-4818	1
770	New insight into the aptamer conformation and aptamer/protein interaction by surface-enhanced Raman scattering and multivariate statistical analysis. <b>2021</b> , 13, 12443-12453	2
769	CHAPTER 6:Applications of Colloidal Nanocrystals. <b>2021</b> , 209-257	
768	Recent advances in plasmon-enhanced Raman spectroscopy for catalytic reactions on bifunctional metallic nanostructures. <b>2021</b> , 13, 13962-13975	6
767	Radiative Decay Rate Enhancement and Quenching for Multiple Emitters near a Metal Nanoparticle Surface. <b>2021</b> , 125, 2531-2536	2
766	Surface-enhanced Raman scattering in ETPTA inverse photonic crystals with gold nanoparticles. <b>2021</b> , 23, 20275-20281	0
765	Carbon-based SERS biosensor: from substrate design to sensing and bioapplication. <b>2021</b> , 13,	44
764	Superradiative plasmonic nanoantenna biosensors enable sensitive immunoassay using the naked eye. <b>2021</b> , 13, 2429-2435	5
763	Breaking the symmetry of nanosphere lithography with anisotropic plasma etching induced by temperature gradients. <b>2021</b> , 3, 359-369	6
762	Controlled Self-Assembly of a Close-Packed Gold Octahedra Array for SERS Sensing Exosomal MicroRNAs. <b>2021</b> , 93, 2519-2526	19
761	Effects of Conformational Variation on Structural Insights from Solution-Phase Surface-Enhanced Raman Spectroscopy. <b>2021</b> , 125, 2031-2041	3



760	Double-frequency metallic grating over large areas with ultrahigh Raman enhancement. <b>2021</b> , 14, 032002	1
759	Nanometer-Thick Al <sub>2</sub> O <sub>3</sub> Layers on Ag/Al Nanostructures as Conductive Electrodes. <b>2021</b> , 4, 1270-1281	1
758	Roughened gold electrode for in situ SERS analysis of structural changes accompanying the doping process of polyaniline in acidic aqueous media. <b>2021</b> , 882, 115034	1
757	The Advance of Plasmonic-Electric Nanopipette Sensing in Single Cells. <b>2021</b> , 7, 55-66	
756	Investigation of the Importance of the Electronic Enhancement Mechanism for Surface-Enhanced Raman Scattering (SERS). <b>2021</b> , 125, 5158-5166	5
755	Analysis of carbon content in direct-write plasmonic Au structures by nanomechanical scanning absorption microscopy. <b>2021</b> , 129, 063105	2
754	Resonant Optical Nonlinearity and Fluorescence Enhancement in Electrically Tuned Plasmonic Nanosuspensions. <b>2021</b> , 2, 2000060	0
753	Chirality of Dispersion Relations and Propagation Lengths of Surface Plasmon Polaritons in Single Silver Nanowire Coated with Chiral TDBC Systems. <b>2021</b> , 16, 1357-1363	0
752	Fluorescence-Encoded Infrared Vibrational Spectroscopy with Single-Molecule Sensitivity. <b>2021</b> , 143, 3060-3064	8
751	Optical tweezers-controlled hotspot for sensitive and reproducible surface-enhanced Raman spectroscopy characterization of native protein structures. <b>2021</b> , 12, 1292	17
750	Graphene and its Derivatives-Based Optical Sensors. <b>2021</b> , 9, 615164	19
749	The effect of DNA bases permutation on surface-enhanced Raman scattering spectrum. <b>2021</b> , 10, 1581-1593	3
748	Topologically protected plasmon mode with ultrastrong field localization in a graphene-based metasurface. <b>2021</b> , 29, 6188-6198	1
747	DNA-Engineerable Ultraflat-Faceted Core-Shell Nanocuboids with Strong, Quantitative Plasmon-Enhanced Fluorescence Signals for Sensitive, Reliable MicroRNA Detection. <b>2021</b> , 21, 2132-2140	11
746	Infrared Metasurface Augmented by Deep Learning for Monitoring Dynamics between All Major Classes of Biomolecules. <b>2021</b> , 33, e2006054	23
745	Optimized Tapered Fiber Decorated by Ag Nanoparticles for Raman Measurement with High Sensitivity. <b>2021</b> , 21,	4
744	Specific detection of Staphylococcus aureus infection and marker for Alzheimer disease by surface enhanced Raman spectroscopy using silver and gold nanoparticle-coated magnetic polystyrene beads. <b>2021</b> , 11, 6240	4
743	Forced Damped Harmonic Oscillator Model of the Dipole Mode of Localized Surface Plasmon Resonance. <b>2021</b> , 16, 1525-1536	1

742	Formation of laterally ordered arrays of noble metal nanocavities for SERS substrates by using interference photolithography. <b>2021</b> , 24, 48-55	0
741	Permselective Two-Dimensional Polymer Film-Based Chemical Sensors. <b>2021</b> , 94, 869-871	4
740	Design of Polarization Independent SERS Substrate with Raman Gain Evaluated Using Purcell Factor. <b>2021</b> , 16, 1365-1373	4
739	Plasmon-enhanced lateral photovoltaic effect observed in Ag-ZnO core-shell nanoparticles. <b>2021</b> , 118, 122101	8
738	Plasmonic tweezers: for nanoscale optical trapping and beyond. <b>2021</b> , 10, 59	50
737	Nanoscale Terahertz Monitoring on Multiphase Dynamic Assembly of Nanoparticles under Aqueous Environment. <b>2021</b> , 8, e2004826	4
736	SERS Based Lateral Flow Immunoassay for Point-of-Care Detection of SARS-CoV-2 in Clinical Samples. <b>2021</b> , 4, 2974-2995	45
735	Au Films Composed of Nanoparticles Fabricated on Liquid Surfaces for SERS. <b>2021</b> , 38, 038102	2
734	Glass nanoimprinted plasmonic nanostructure for high power laser stable surface-enhanced Raman spectroscopy substrate. <b>2021</b> , 542, 148587	2
733	Recent Advances in the Fabrication and Functionalization of Flexible Optical Biosensors: Toward Smart Life-Sciences Applications. <b>2021</b> , 11,	8
732	Gold Nanorod@Ruthenium Oxide Core-shell Heterostructures: Synthesis, Single-Particle Characterizations, and Enhanced Hot Electron Generation. <b>2021</b> , 9, 2002136	2
731	Noble Metal Ion Embedded Nanocomposite Glass Materials for Optical Functionality of UV-Visible Surface Plasmon Resonance (SPR) Surface-Enhanced Raman Scattering (SERS) X-ray and Electron Microscopic Studies: An Overview. <b>2021</b> , 16, 1461-1493	3
730	Chirality-detecting-based chiral molecule-metal-chiral molecule structures. <b>2021</b> , 134, 27003	0
729	Nanoporous silver films produced by solid-state dewetting for SERS applications. <b>2021</b> ,	
728	In Situ Surface-Enhanced Raman Spectroscopy Characterization of Electrocatalysis with Different Nanostructures. <b>2021</b> , 72, 331-351	13
727	Shedding New Lights Into STED Microscopy: Emerging Nanoprobes for Imaging. <b>2021</b> , 9, 641330	3
726	Surface adsorption of hydroxyanthraquinones on CTAB-modified gold nanosurfaces. <b>2021</b> , 251, 119408	5
725	DFT computational study of trihalogenated aniline derivative's adsorption onto graphene/fullerene/fullerene-like nanocages, XY (X = Al, B, and Y = N, P). <b>2021</b> , 1-14	7

724	Role of pH on Nanostructured SERS Active Substrates for Detection of Organic Dyes. <b>2021</b> , 26,	1
723	Poisson process modelling of spike occurrence in single particle inductively coupled plasma mass spectrometry time scans for very dilute nanoparticle dispersions. <b>2021</b> , 178, 106126	3
722	Coherent raman scattering microscopy for chemical imaging of biological systems.	1
721	Vertically aligned nanostructures for a reliable and ultrasensitive SERS-active platform: Fabrication and engineering strategies. <b>2021</b> , 37, 101063	11
720	Design and optimization of nano-antenna for thermal ablation of liver cancer cells. <b>2021</b> , 30, 048401	2
719	Multiplexing Liquid Biopsy with Surface-Enhanced Raman Scattering Spectroscopy. <b>2021</b> , 9, 2001171	5
718	Quantum electrodynamics description of localized surface plasmons at a metal nanosphere. <b>2021</b> , 103,	1
717	Design and analysis of Wedge-enhanced Raman spectroscopy substrate. <b>2021</b> , 17, 262-265	
716	Effective SERS materials by loading Ag nanoparticles into poly(acrylic acid-stat-acrylamide)-block-polystyrene nano-objects prepared by PISA. <b>2021</b> , 224, 123747	4
715	Charge Transfer on the Surface-Enhanced Raman Scattering of Ag/4-MBA/PEDOT:PSS System: Intermolecular Hydrogen Bonding. <b>2021</b> , 9, 111	1
714	Surface-enhanced Raman scattering nanotags for bioimaging. <b>2021</b> , 129, 191101	13
713	Advanced Nanoporous Anodic Alumina-Based Optical Sensors for Biomedical Applications. <b>2021</b> , 3,	3
712	Nanoscale Light Confinement: the $Q$ and $V$ . <b>2021</b> , 8, 1522-1538	11
711	Advances in Clustered, Regularly Interspaced Short Palindromic Repeats (CRISPR)-Based Diagnostic Assays Assisted by Micro/Nanotechnologies. <b>2021</b> , 15, 7848-7859	18
710	Inkjet-Printable Nanoporous Ag Disk Arrays Enabling Coffee-Ring Effect-Driven Analyte Enrichment Towards Practical SERS Applications. 1	5
709	Au@ZIF-8 SERS paper for food spoilage detection. <b>2021</b> , 179, 113063	25
708	Recent Advances in Surface-Enhanced Raman Scattering Magnetic Plasmonic Particles for Bioapplications. <b>2021</b> , 11,	3
707	Label-free surface-enhanced Raman spectroscopy detection for tyrosine-methionine-aspartate-aspartate (YMDD)-motif mutants of HBV DNA. <b>2021</b> , 114, 103253	1

706	A rich catalog of C-C bonded species formed in CO reduction on a plasmonic photocatalyst. <b>2021</b> , 12, 2612	23
705	Ultrasensitive SERS platform made via femtosecond laser micromachining for biomedical applications. <b>2021</b> , 12, 1496-1507	7
704	Theory of Atomic-Scale Vibrational Mapping and Isotope Identification with Electron Beams. <b>2021</b> , 15, 9890-9899	5
703	Tracking Ultrafast Structural Dynamics by Time-Domain Raman Spectroscopy. <b>2021</b> , 143, 9699-9717	6
702	Design criteria to fabricate plasmonic gold nanomaterials for surface-enhanced Raman scattering (SERS)-based biosensing. <b>2021</b> , 129, 231102	3
701	A discrete interaction model/quantum mechanical method for simulating surface-enhanced Raman spectroscopy in solution. <b>2021</b> , 154, 224705	0
700	Broadband Raman scattering enhancement with reduced heat generation in a dielectric-metal hybrid nanocavity. <b>2021</b> , 29, 20092-20104	
699	Propagation mechanism of surface plasmons coupled with surface-enhanced resonant Raman scattering light through a one-dimensional hotspot along a silver nanowire dimer junction. <b>2021</b> , 103,	2
698	Imaging and SERS Study of the Au Nanoparticles Interaction with HPV and Carcinogenic Cervical Tissues. <b>2021</b> , 26,	2
697	Probing Interfacial Electronic Effects on Single-Molecule Adsorption Geometry and Electron Transport at Atomically Flat Surfaces. <b>2021</b> , 60, 15452-15458	11
696	Probing Interfacial Electronic Effects on Single-Molecule Adsorption Geometry and Electron Transport at Atomically Flat Surfaces. <b>2021</b> , 133, 15580-15586	1
695	Evolving trends in SERS-based techniques for food quality and safety: A review. <b>2021</b> , 112, 225-240	37
694	How Do Adsorbent Orientation and Direction of External Electric Field Affect the Charge-Transfer Surface-Enhanced Raman Spectra?. <b>2021</b> , 125, 13382-13390	1
693	Computational Study of Sorbic Acid Drug Adsorption onto Coronene/Fullerene/Fullerene-Like X12Y12 (X = Al, B and Y = N, P) Nanocages: DFT and Molecular Docking Investigations. 1	4
692	Patterned silver island paths as high-contrast optical sensing platforms. <b>2021</b> , 268, 115124	
691	Waveguide Enhanced Raman Spectroscopy for Biosensing: A Review. <b>2021</b> , 6, 2025-2045	2
690	Numerical Investigation of Enhanced and Quenched Radiative Decay Rate for One and Multiple Emitters near a Nanoparticle Surface. <b>2021</b> , 125, 16211-16219	0
689	Insights into Fano-type resonance fluorescence from quantum-dot/metal-nanoparticle molecules with a squeezed vacuum. <b>2021</b> , 104,	1

688	Phase singularities and optical vortices in photonics.	1
687	Cyclodextrins enable indirect ultrasensitive Raman detection of polychlorinated biphenyls captured by plasmonic bubbles. <b>2021</b> , 775, 138674	1
686	Structural Characteristics and Ionic Composition of a Colloidal Solution of Silver Nanoparticles Obtained by Electrical-Spark Discharge in Water. <b>2021</b> , 83, 448-460	1
685	Nanoparticle Size Effects in Biomedical Applications. <b>2021</b> , 4, 6471-6496	15
684	Coherent control at gold needle tips approaching the strong-field regime. <b>2021</b> ,	2
683	Distortion of the local density of states in a plasmonic cavity by a quantum emitter. <b>2021</b> , 23, 073011	1
682	Determining the Molecular Orientation on the Metal Nanoparticle Surface through Surface-Enhanced Raman Spectroscopy and Density Functional Theory Simulations. <b>2021</b> , 125, 16289-16295	1
681	Universal Fabrication of Highly Efficient Plasmonic Thin-Films for Label-Free SERS Detection. <b>2021</b> , 17, e2100755	8
680	Designed Co-DNA-Locker and Ratiometric SERS Sensing for Accurate Detection of Exosomes Based on Gold Nanorod Arrays. <b>2021</b> , 13, 32837-32844	7
679	Surface-Enhanced Raman Spectroscopic Evidence of Key Intermediate Species and Role of NiFe Dual-Catalytic Center in Water Oxidation. <b>2021</b> , 60, 19774-19778	22
678	Improved Surface-Enhanced-Raman Scattering Sensitivity Using Si Nanowires/Silver Nanostructures by a Single Step Metal-Assisted Chemical Etching. <b>2021</b> , 11,	4
677	Competitive adsorption of residual polyvinylpyrrolidone and detection molecular on flower liked silver nanoparticles. <b>2021</b> , 255, 119717	1
676	Advanced silver and gold substrates for surface-enhanced Raman spectroscopy of pesticides. <b>2021</b> , 54, 528-538	0
675	Surface-Enhanced Raman Spectroscopic Evidence of Key Intermediate Species and Role of NiFe Dual-Catalytic Center in Water Oxidation. <b>2021</b> , 133, 19927-19931	5
674	Clustered Regularly Interspaced Short Palindromic Repeats-Mediated Amplification-Free Detection of Viral DNAs Using Surface-Enhanced Raman Spectroscopy-Active Nanoarray. <b>2021</b> ,	14
673	Identification of the molecular pathways of RuO <sub>2</sub> electroreduction by in-situ electrochemical surface-enhanced Raman spectroscopy. <b>2021</b> , 400, 367-371	2
672	Topology optimization of surface-enhanced Raman scattering substrates. <b>2021</b> , 119, 061601	0
671	Synergistic SERS Enhancement in GaN-Ag Hybrid System toward Label-Free and Multiplexed Detection of Antibiotics in Aqueous Solutions. <b>2021</b> , 8, e2100640	4

670	MXene-based electromagnetic wave response. <b>2021</b> , 3, 042001	2
669	Study on the Plasmonic Properties of Ag-coated Spherical Dielectric Nanoparticles by Finite-Difference Time-Domain Calculations. 1	0
668	Broadband SERS Enhancement by DNA Origami Assembled Bimetallic Nanoantennas with Label-Free Single Protein Sensing. <b>2021</b> , 12, 8141-8150	11
667	Machine-Learned Decision Trees for Predicting Gold Nanorod Sizes from Spectra. <b>2021</b> , 125, 19353-19361	4
666	Advances of surface-enhanced Raman and IR spectroscopies: from nano/microstructures to macro-optical design. <b>2021</b> , 10, 161	24
665	AC electrothermal assisted plasmonic biosensor for detection of low-concentration biological analytes. <b>2021</b> , 140, 107078	0
664	Emission Manipulation by DNA Origami-Assisted Plasmonic Nanoantennas. <b>2021</b> , 9, 2100848	1
663	Synthesis of Single- and Few-Layer Nitrogen-doped Graphene and Layer-Dependent Surface-Enhanced Raman Scattering Properties. <b>2021</b> , 125, 17831-17840	1
662	Versatile Silver Nanoparticles-Based SERS Substrate with High Sensitivity and Stability. <b>2021</b> , 2, 242-256	1
661	Light emission from plasmonic nanostructures. <b>2021</b> , 155, 060901	8
660	High performance SERS platforms via parametric optimization of the laser-assisted photodeposition of silver and gold nanoparticles. <b>2021</b> , 11, 3079	2
659	Directional self-assembly of anisotropic bimetal-poly(aniline) nanostructures for rheumatoid arthritis diagnosis in multiplexing. <b>2021</b> , 1174, 338699	0
658	Onset of charge interaction in strong-field photoemission from nanometric needle tips. <b>2021</b> ,	3
657	Detection of Explosives by SERS Platform Using Metal Nanogap Substrates. <b>2021</b> , 21,	1
656	Detection of Off-Resonance Single-Walled Carbon Nanotubes by Enormous Surface-Enhanced Raman Scattering. 2100559	0
655	Three-Dimensional Au/Ag Nanoparticle/Crossed Carbon Nanotube SERS Substrate for the Detection of Mixed Toxic Molecules. <b>2021</b> , 11,	1
654	Sensitive surface-enhanced Raman spectroscopy (SERS) determination of nitrofurazone by $\beta$ -cyclodextrin-protected AuNPs/BAO nanoparticles. <b>2022</b> , 370, 131059	5
653	A Comprehensive Review on Raman Spectroscopy Applications. <b>2021</b> , 9, 262	21

652	2D GaN for Highly Reproducible Surface Enhanced Raman Scattering. <b>2021</b> , 17, e2103442	2
651	Plasmon-Enhanced Fluorescence Near Single Gold Nanoplates Studied by Scanning Near-Field Two-Photon Excitation Microscopy. <b>2021</b> , 125, 21070-21076	2
650	Theoretical investigation on the adsorption of melamine in Al <sub>12</sub> /B <sub>12</sub> -N <sub>12</sub> /P <sub>12</sub> fullerene-like nanocages: a platform for ultrasensitive detection of melamine. 1	4
649	Easy-to-make-and-use gold nanotrench arrays for surface-enhanced Raman scattering. <b>2021</b> , 11, 3363	0
648	Fundamental Limits to the Refractive Index of Transparent Optical Materials. <b>2021</b> , 33, e2103946	8
647	Hybrid Photonic-Plasmonic Cavities based on the Nanoparticle-on-a-Mirror Configuration.	5
646	An approach for optimizing gold nanoparticles for possible medical applications, using correlative electron energy loss and Raman spectroscopies on electron beam lithographically fabricated arrays. <b>2021</b> , 36, 3383	
645	Preparation and surface-enhanced Raman scattering properties of GO/Ag/TaO composite substrates. <b>2021</b> , 29, 34552-34564	0
644	Highly Sensitive and Spatially Homogeneous Surface-Enhanced Raman Scattering Substrate under Plasmon Nanocavity Coupling. <b>2021</b> , 125, 19880-19886	0
643	Predicting prognosis in acute myeloid leukemia patients by surface-enhanced Raman spectroscopy. <b>2021</b> , 16, 1873-1885	1
642	Charge transfer study for semiconductor and semiconductor/ metal composites based on surface-enhanced Raman scattering. <b>2021</b> , 42, 1411	6
641	An overview of surface-enhanced Raman scattering substrates by pulsed laser deposition technique: fundamentals and applications. <b>2021</b> , 1-21	3
640	Single-walled carbon nanotube based SERS substrate with single molecule sensitivity. 1	2
639	Layer-by-Layer Assembly of Polystyrene/Ag for a Highly Reproducible SERS Substrate and Its Use for the Detection of Food Contaminants. <b>2021</b> , 13,	1
638	Synergistic Integration of Chemo-Resistive and SERS Sensing for Label-Free Multiplex Gas Detection. <b>2021</b> , 33, e2105199	4
637	Degeneracy of light scattering and absorption by a single nanowire. <b>2021</b> , 11, 18657	
636	Fe <sub>3</sub> O <sub>4</sub> -protected gold nanoparticles: New plasmonic-magnetic nanomaterial for Raman analysis of surfaces. <b>2021</b> , 562, 150220	6
635	Highly sensitive wide-range target fluorescence biosensors of high-emittance metasurfaces. <b>2021</b> , 190, 113423	4

634	Plasmonic paper substrates for point-of-need applications: Recent developments and fabrication methods. <b>2021</b> , 345, 130401	7
633	Surface-enhanced Raman scattering inspired by programmable nucleic acid isothermal amplification technology. <b>2021</b> , 143, 116401	1
632	Direct detection of melamine in liquid milk and infant formula using surface-enhanced Raman scattering combined with silver nanodendrites. <b>2021</b> , 243, 167504	3
631	Fabrication of plasmonic absorbent cotton as a SERS substrate for adsorption and detection of harmful ingredients in food. <b>2021</b> , 170, 106662	5
630	Gold-silver core-shell nanodumbbells in solution state as a highly sensitive and reproducible assay platform for bacterial genome detection. <b>2021</b> , 349, 130784	1
629	Photothermal-induced partial Leidenfrost superhydrophobic surface as ultrasensitive surface-enhanced Raman scattering platform for the detection of neonicotinoid insecticides. <b>2021</b> , 348, 130728	4
628	SERS and resonance Raman of 5-nitroisatin on silver - The distinction between the coordination and surface complexes. <b>2021</b> , 263, 120163	
627	Sensing performances of commercial SERS substrates. <b>2022</b> , 1248, 131519	1
626	SERS for sensing and imaging in live cells. <b>2022</b> , 303-325	
625	Plasmonic-Silver Sorets and Dielectric-Nd2O3 nanorods for Ultrasensitive Photonic Crystal-Coupled Emission. <b>2022</b> , 145, 111558	11
624	Surface-enhanced Raman scattering nanotags design and synthesis. <b>2022</b> , 171-223	1
623	Spontaneous surface plasmon polariton decay of band-edge excitons in quantum dots near a metal surface. <b>2021</b> , 103,	1
622	SERS monitoring of local pH in encapsulated therapeutic cells. <b>2021</b> , 13, 14354-14362	3
621	Probing blood plasma samples for the detection of diabetes using SERS aided by PCA and LDA multivariate data analyses. <b>2021</b> , 45, 2670-2682	6
620	Understanding electrochemical interfaces using in situ core-shell nanoparticle-enhanced Raman spectroscopy. <b>2021</b> , 18, 295-342	
619	Recent progress in mycotoxins detection based on surface-enhanced Raman spectroscopy. <b>2021</b> , 20, 1887-1909	17
618	Surface-enhanced Raman spectroscopy for bioanalysis and diagnosis. <b>2021</b> , 13, 11593-11634	20
617	Introduction to advances in plasmonics and its applications. <b>2021</b> , 13, 5935-5936	1



616	Effect of spatially nonlocal versus local optical response of a gold nanorod on modification of the spontaneous emission*. <b>2021</b> , 30, 027801	2
615	Gas Sensor Based on Surface Enhanced Raman Scattering. <b>2021</b> , 14,	1
614	Optically induced aggregation by radiation pressure of gold nanorods on graphene for SERS detection of biomolecules. <b>2021</b> , 136, 1	
613	Fabrication and surface-enhanced Raman scattering properties of thin-film assemblies of classified silver nanoparticles. <b>2021</b> , 60, 027002	0
612	Signal Generation with Gold Nanoparticles: Photophysical Properties for Sensor and Imaging Applications. 319-349	6
611	Surface-Enhanced Raman Spectroscopy for Glucose Sensing. 421-443	1
610	Enantiomeric Discrimination by Surface-Enhanced Raman Scattering Chiral Anisotropy of Chiral Nanostructured Gold Films. <b>2020</b> , 132, 15338-15343	12
609	Light Scattering Spectroscopy: From Elastic to Inelastic. <b>2004</b> , 355-396	0
608	Temporal Fluctuations in Single-Molecule SERS Spectra. <b>2006</b> , 279-296	6
607	Single-Molecule Surface-Enhanced Resonance Raman Spectroscopy of the Enhanced Green Fluorescent Protein EGFP. <b>2006</b> , 297-312	5
606	Nonlinear Raman Probe of Single Molecules Attached to Colloidal Silver and Gold Clusters. <b>2002</b> , 227-249	26
605	Fractal-Microcavity Composites: Giant Optical Responses. <b>2002</b> , 149-168	3
604	Electromagnetic Nanowire Resonances for Field-Enhanced Spectroscopy. <b>2008</b> , 175-215	8
603	Analysis of Soils in a Forensic Context: Comparison of Some Current and Future Options. <b>2009</b> , 397-409	1
602	Nanosensors for Intracellular Raman Studies. <b>2013</b> , 35-54	4
601	Electrochemical Preparation of Nanoresonators. <b>2016</b> , 47-69	1
600	Controlled Assembly of Plasmonic Nanostructures Templated by Porous Anodic Alumina Membranes. <b>2016</b> , 249-274	1
599	Near-Field Raman Spectroscopy and Imaging. <b>2007</b> , 287-329	5

598	Nanophotonics and Single Molecules. <b>2008</b> , 1-23	4
597	Background-Free Apertureless Near-Field Optical Imaging. <b>2008</b> , 1-29	2
596	Applications of Scanning Near-Field Optical Microscopy in Life Science. <b>2009</b> , 49-68	3
595	Coherent Raman Scattering Microscopy. <b>2010</b> , 111-152	4
594	Near-Field Optical Imaging of Wavefunctions and Optical Fields in Plasmonic Nanostructures. <b>2011</b> , 127-160	2
593	Single Molecule Detection Using Near Infrared Surface-Enhanced Raman Scattering. <b>2001</b> , 144-160	3
592	Surface-Enhanced Raman Scattering Nanoprobes. <b>2014</b> , 75-95	1
591	Deep-Ultraviolet Surface-Enhanced Raman Scattering. <b>2015</b> , 145-158	1
590	Quantum Mechanical Examination of Optical Absorption Spectra of Silver Nanorod Dimers. <b>2009</b> , 253-264	7
589	Lab-on-a-Chip Device and System for Point-of-Care Applications. <b>2013</b> , 1-30	1
588	Bioprocessing Challenges Associated with the Purification of Cellular Therapies. <b>2014</b> , 129-156	1
587	Plasmonics with a Twist: Taming Optical Tornadoes on the Nanoscale. <b>2013</b> , 431-461	2
586	Quantitative Analysis of Disease Biomarkers Using Surface-Enhanced Raman Scattering Spectroscopy. <b>2014</b> , 401-417	1
585	Plasmonic Gas and Chemical Sensing. <b>2015</b> , 239-272	2
584	Surface-Enhanced 2DIR Spectroscopy of nm-Thick Films Using Plasmonic Nano-arrays. <b>2019</b> , 287-310	1
583	Metal Oxides-Based SERS Substrates. <b>2020</b> , 155-175	1
582	Probing the charge-transfer of Ag/PEDOT:PSS/4-MBA by surface-enhanced raman scattering. <b>2020</b> , 239, 118451	7
581	Catalytic Paper Spray Ionization Mass Spectrometry with Metal Nanotubes and the Detection of 2,4,6-Trinitrotoluene. <b>2017</b> , 89, 11378-11382	25

580	Surface Plasmon-Induced Hot Electrons as the Racemate to Regulate Ionization. <b>2021</b> , 125, 757-764	1
579	Quasi-Analytical Approach for Modeling of Surface-Enhanced Raman Scattering. <b>2015</b> , 119, 28992-28998	10
578	Rapid optofluidic detection of biomarkers for traumatic brain injury via surface-enhanced Raman spectroscopy. <b>2020</b> , 4, 610-623	49
577	The inorganic chemistry of surface enhanced Raman scattering (SERS). 1-21	10
576	Strong Photon-Molecule Coupling Fields for Chemical Reactions. 228-255	1
575	Substrate influence on the polarization dependence of SERS in crossed metal nanowires. <b>2017</b> , 5, 7028-7034	10
574	Plasmon-enhanced nonlinear nanofocusing of gold nanoprisms driven via an ultrafast azimuthal vector beam. <b>2020</b> , 12, 7045-7050	4
573	Review of optical fibre sensors for electrical equipment characteristic state parameters detection. <b>2019</b> , 4, 271-281	18
572	Understanding the chemical contribution to the enhancement mechanism in SERS: Connection with Hammett parameters. <b>2020</b> , 153, 124706	9
571	Near-Field Scanning Optical Microscopy: Chemical Imaging. <b>2014</b> , 3371-3379	0
570	Mapping VIS-terahertz (0.7 THz) surface plasmons sustained on native and chemically functionalized percolated gold thin films using EELS. <b>2018</b> , 67, i30-i39	3
569	Roadmap for single-molecule surface-enhanced Raman spectroscopy. <b>2020</b> , 2, 1	35
568	Aptamer-switching optical bioassay for citrulline detection at the point-of-care. <b>2019</b> , 24, 1-6	4
567	Liquid crystal-modulated tunable filter based on coupling between plasmon-induced transparency and cavity mode. <b>2018</b> , 57, 1	1
566	Large area vertical Ag columnar thin films as highly sensitive SERS substrates. <b>2016</b> ,	1
565	Development of a paper-based vertical flow SERS assay for citrulline detection using aptamer-conjugated gold nanoparticles. <b>2018</b> ,	3
564	Alkyne-tag SERS imaging for visualizing small molecule drugs in live cells. <b>2020</b> ,	2
563	Super-high enhancement of surface enhanced Raman scattering substrate via resonance coupling. <b>2020</b> ,	1

562	Molecular SERS Nanoprobes for Medical Diagnostics. <b>2017</b> , 289-306	1
561	Methods of Detection of Explosives. <b>2010</b> , 277-293	4
560	Surface-Enhanced Raman ScatteringBased Biosensors. <b>2013</b> , 97-122	1
559	Activation of Silver Colloids for Enhancement of Raman Scattering. <b>2011</b> , 119, 1018-1022	7
558	Aggregated Silver Sols as SERS Substrates. <b>2012</b> , 121, A-68-A-74	14
557	Surface-enhanced Raman scattering (SERS) spectroscopy: a versatile spectroscopic and analytical technique used in nanoscience and nanotechnology. <b>2013</b> , 1, 111-124	7
556	Electromagnetic metasurfaces: physics and applications. <b>2019</b> , 11, 380	174
555	Machine learning for composition analysis of ssDNA using chemical enhancement in SERS. <b>2020</b> , 11, 5092-51217	
554	Singular laser beams nanofocusing with dielectric nanostructures: theoretical investigation. <b>2016</b> , 33, 2480	10
553	Efficient nonlinear metasurfaces by using multiresonant high-Q plasmonic arrays. <b>2019</b> , 36, E30	17
552	Absorption leads to narrower plasmonic resonances. <b>2019</b> , 36, F117	6
551	Optofluidic system based on electrowetting technology for dynamically tunable spectrum absorber. <b>2019</b> , 27, 2521-2529	2
550	Exploring optical resonances of nanoparticles excited by optical Skyrmion lattices. <b>2019</b> , 27, 7009-7022	2
549	Limits to surface-enhanced Raman scattering near arbitrary-shape scatterers. <b>2019</b> , 27, 35189-35202	12
548	Spectral, spatial and polarization-selective perfect absorbers with large magnetic response for sensing and thermal emission control. <b>2019</b> , 27, A1041-A1059	2
547	Inverse design of nanoparticles for enhanced Raman scattering. <b>2020</b> , 28, 4444-4462	14
546	Interaction and hybridization of orthogonal Fabry-Pérot like surface plasmon modes in metal-dielectric grating structures. <b>2020</b> , 28, 3541-3551	4
545	Probing optical resonances of silicon nanostructures using tunable-excitation Raman spectroscopy. <b>2019</b> , 27, 38479-38492	4

544	Micro-lensed optical fibers for a surface-enhanced Raman scattering sensing probe. <b>2018</b> , 43, 6029-6032	5
543	State-of-the-art plasmonic crystals for molecules fluorescence detection. <b>2019</b> , 9, 1173	12
542	Development of a quality assurance protocol for SERS-based identification of organic pigments in art [Invited]. <b>2019</b> , 9, 1513	1
541	Azimuthal vector beam exciting silver triangular nanoprisms for increasing the performance of surface-enhanced Raman spectroscopy. <b>2019</b> , 7, 1447	9
540	Simultaneous field enhancement and loss inhibition based on surface plasmon polariton mode hybridization. <b>2020</b> , 9, 2809-2816	1
539	Tip-enhanced photoluminescence nano-spectroscopy and nano-imaging. <b>2020</b> , 9, 3089-3110	21
538	Exploring the Potential of Plant-Derived Natural Products beyond Functional Food: Applications in Nanomedicine. <b>2015</b> , 2,	3
537	Surface-Enhanced Raman Scattering on Silver Nanoparticles in Different Aggregation Stages. <b>2006</b> , 46, 299-305	1
536	Normal Bands in Surface-Enhanced Raman Scattering (SERS) and Their Relation to the Electron-Hole Pair Excitation Background in SERS. <b>2006</b> , 46, 307-315	5
535	?????????????????????????????????????. <b>2008</b> , 51, 368-376	1
534	Highly Sensitive Silver Mirror Substrate Preparation and Its Application to Surface Enhanced Raman Spectroscopic Detection of Furazolidone. <b>2010</b> , 38, 715-718	3
533	Simulation and Optimization of Nonperiodic Plasmonic Nano-Particles. <b>2014</b> , 18, 82-88	6
532	Enhanced light emission in nanostructures. <b>2011</b> , 51, 292-302	4
531	Bionanotechnology. 31-86	2
530	Nonuniform Distribution of Capping Ligands Promoting Aggregation of Silver Nanoparticles for Use as a Substrate for SERS. <b>2013</b> , 02, 104-111	13
529	Surface-Enhanced Raman Scattering of Benzenethiol Adsorbed on Silver-Exchanged Copper Powders. <b>2008</b> , 29, 445-449	9
528	Influence of Surface Functionalities of Self-Assembled Monolayers on the Adsorption of Gold Nanoparticles. <b>2009</b> , 30, 999-1000	3
527	Laser-Induced Formation and Disintegration of Gold Nanopeanuts and Nanowires. <b>2010</b> , 31, 819-824	7

526	Bioanalytical Application of SERS Immunoassay for Detection of Prostate-Specific Antigen. <b>2010</b> , 31, 1215-1218	26
525	SERS Immunoassay Using Microcontact Printing for Application of Sensitive Biosensors. <b>2011</b> , 32, 4281-4285	1
524	Avidin Induced Silver Aggregation for SERS-based Bioassay. <b>2012</b> , 33, 3681-3685	4
523	Controlled Clustering of Gold Nanoparticles using Solid-support for Surface-enhanced Raman Spectroscopic Probes. <b>2014</b> , 35, 941-944	1
522	Spectroscopic Techniques for Nondestructive Detection of Fungi and Mycotoxins in Agricultural Materials: A Review. <b>2015</b> , 40, 67-77	12
521	Enhanced Raman Scattering in the Near Field of a Scanning Tunneling Tip—An Approach to Single Molecule Raman Spectroscopy. <b>2003</b> , 71, 114-116	5
520	Some recent advances on quantum plasmonics. <b>2019</b> , 68, 147103	1
519	Surface plasmaons enhanced light-matter interactions. <b>2019</b> , 68, 149101	5
518	Review on surface plasmonic coupling systems and their applications in spectra enhancement. <b>2019</b> , 68, 147304	5
517	Plasma induced enhancements in plasmonic sensitivity of sputter-deposited silver nanoparticles to ethanol vapor. <b>2020</b> , 59, 015002	1
516	Extremely High Purcell Factor of Plasmonic Modes in Thin Nano-Metallic Cylinders. <b>2011</b> , 50, 060205	3
515	Interfacial design of gold/silver core-shell nanostars for plasmon-enhanced photocatalytic coupling of 4-aminothiophenol. <b>2021</b> , 9, 15284-15294	6
514	Optical Field and Chemical Environment Near the Surface Modified Gold Nanoparticle Assembly Revealed by Two-Photon Induced Photoluminescence and Surface Enhanced Raman Scattering. <b>2021</b> , 94, 2272-2278	2
513	Determination of spectinomycin by SERS based on BSA-protected AgNPs decorated with ECD. <b>2022</b> , 172, 106938	
512	Time for NanoNeuro. <b>2021</b> , 18, 1287-1293	4
511	Electronic properties and quasiparticle model of monolayer MoSi <sub>2</sub> N <sub>4</sub> . <b>2021</b> , 104,	3
510	A quantitative analysis of colloidal solution of metal nanoparticles produced by laser ablation in liquids. <b>2021</b> , 127, 1	1
509	Optical nanoantenna with multiple surface plasmon resonances for enhancements in near-field intensity and far-field radiation. <b>2021</b> , 29, 35678-35690	

508	Surface-Enhanced Raman Scattering Fiber Probe Based on Silver Nanocubes. 1	2
507	Manipulating Hot-Electron Injection in Metal Oxide Heterojunction Array for Ultrasensitive Surface-Enhanced Raman Scattering. <b>2021</b> , 13, 51618-51627	3
506	Paving the Way for Tunable Graphene Plasmonic THz Amplifiers. <b>2021</b> , 9,	4
505	Bimetallic Ag-Cu Alloy Microflowers as SERS Substrates with Single-Molecule Detection Limit. <b>2021</b> , 37, 13027-13037	2
504	A Cluster Model for Interpretation of Surface-Enhanced Raman Scattering of Organic Compounds Interacting with Silver Nanoparticles. <b>2022</b> , 255-285	
503	Sub-Part-Per-Billion Level Sensing of Fentanyl Residues from Wastewater Using Portable Surface-Enhanced Raman Scattering Sensing. <b>2021</b> , 11,	1
502	Nano-Physical Characterization of Chemical Vapor Deposition-Grown Monolayer Graphene for High Performance Electrode: Raman, Surface-Enhanced Raman Spectroscopy, and Electrostatic Force Microscopy Studies. <b>2021</b> , 11,	1
501	Tunable silver and gold substrates for surface enhanced raman spectroscopy. <b>2002</b> ,	
500	Sub-Microscopic Probing of Intrinsic and Extrinsic Enhancement of Second Harmonic Generation of Nano-Structured Gold Surfaces. <b>2003</b> , 339-353	
499	Raman Spectroscopy Study on the Adsorption Orientation of Biphenylcarboxylic Acid Derivatives. <b>2003</b> , 47, 439-446	0
498	Surface-Enhanced Raman Spectroscopy Study of Biphenyl-4-Carboxylic Acid Phenyl Amide Adsorbed on Metal Surfaces. <b>2003</b> , 47, 533-538	
497	Laser Spectroscopy. <b>2004</b> , 287-387	1
496	Chapter 5 Surface plasmons and gain media. <b>2006</b> , 141-169	
495	Chapter 1 Plasmonic materials for surface-enhanced and tip-enhanced Raman spectroscopy. <b>2006</b> , 1-39	1
494	Chapter 8 Biosensing with plasmonic nanoparticles. <b>2006</b> , 219-270	
493	Chapter 8 Resonant optical antennas and single emitters. <b>2006</b> , 275-307	
492	Chapter 6 Scanning nano-Raman spectroscopy of silicon and other semiconducting materials. <b>2006</b> , 177-203	
491	Chapter 2 Towards single molecule sensitivity in surface-enhanced Raman scattering. <b>2006</b> , 41-86	

490 Near-Field CARS Microscopy for Molecular-Imaging of DNA. **2006**, 34, 219-223

489 A Theoretical Study on SERS Intensity of Pyridine Adsorbed on Transition Metal Electrodes. **2006**, 46, 317-327

1

488 Surface-Enhanced Raman Scattering (SERS) of Microorganisms. **2006**, 46, 337-346

487 Scanning nano-Raman spectroscopy of silicon and other semiconducting materials. **2007**, 177-203

486 Towards single molecule sensitivity in surface-enhanced Raman scattering. **2007**, 41-86

485 Introduction. **2008**, 1-8

484 PLASMONIC SERS MOLECULAR SENTINELS: A NEW BIOSENSING APPROACH. **2008**, 385-399

483 Nanosensors: Controlling Transduction Mechanisms at the Nanoscale Using Metal Oxides and Semiconductors. **2009**, 1-51

482 Surface-Enhanced Raman Scattering. **2008**, 4250-4259

481 Near-Field Scanning Optical Microscopy. **2008**, 3185-3194

480 Surface-Enhanced Raman Spectroscopy with Gold Nanoring Dimers. **2009**,

479 Applications of Scanning Near-Field Optical Microscopy in Life Science. **2010**, 275-294

478 Surface enhanced Raman scattering using the hottest hot spots only. **2010**,

477 10.1007/s12201-008-1014-5. **2010**,

476 Surface Enhanced Raman Scattering (SERS) on-an-optofluidic chip using roof collapse method. **2010**,

475 Chapter 18:New Detection Methods for Single Cells. **2010**, 285-309

474 Microfluidic SERS Using a 3-Dimensional Porous Monolith as a SERS-Active Solid Phase in a Microchannel. **2010**,

473 Single-Molecule Detection. **2010**, 13-1-13-39



472 Spectroscopic Methods. **2010**, 6-1-6-36

471 Nanoplasmonics for Photovoltaic Applications. **2010**, 391-421

2

470 Raman Detection in Microchips and Microchannels. **2010**, 17-1-17-25

469 Fluid-Filled Optical Fibers. **2010**, 15-1-15-34

468 Optical Trapping and Manipulation. **2010**, 14-1-14-27

467 Low Concentration Protein Detection Using Novel SERS Devices. **2011**, 191-210

466 Effects of cross-section shape on fast electron beams excited plasmons in the surface of nanowire pairs. **2011**, 60, 067305

4

465 Study of far-field directivity of optical dipole antenna. **2011**, 60, 045203

3

464 Plasmon-Assisted Spectroscopy and Photochemistry at Well-Defined Metal-molecular Interfaces. **2011**, 5, A0040

463 Introduction. **2011**, 1-13

462 Direct Imprinted Gratings on Nanoporous Gold as Effective SERS Substrates. **2011**,

461 Plasmonic Focusing Reduces Ensemble Linewidth. **2012**, 113-120

460 SERS Spectroscopy and Microscopy. **2012**, 553-586

1

459 Plasmon-assisted nanolithography exposed by femtosecond laser beam through gold nanostructured photomasks. **2012**,

458 Ultrafast Dynamics of Photo-Excited Nano-Structured Metal Surfaces by Femtosecond Time-Resolved Photoemission Electron Microscopy. **2012**, 40, 579

457 Increasing Nanoparticles' Refractive Index Sensitivity. **2012**, 103-111

456 Encyclopedia of Sustainability Science and Technology. **2012**, 5382-5398

455 Efficient laser coupling into plasmonic nanoantenna arrays for fabrication and characterization of sensitive infrared bolometers. **2012**,

- 454 Immunoassays and Imaging Based on Surface-Enhanced Raman Spectroscopy. **2012**, 261-289
- 453 The Silver Colloidal Solutions and Films for Efficient SERS. **2012**, 122, 350-352
- 452 Infectious Diseases, Vibrational Spectroscopic Approaches to Rapid Diagnostics. **2013**, 147-169
- 451 Hierarchical EHD Structures for Surface-Enhanced Raman Scattering. **2013**, 79-89
- 450 Second-Order Nonlinear Optical Properties of Plasmonic Nanostructures. **2013**, 207-235
- 449 Aperiodic Order in Nanoplasmonics. **2013**, 329-377
- 448 Plasmonics for Enhanced Vibrational Signatures. **2013**, 103-124 2
- 447 Coherent Anti-Stokes Raman Scattering Microscopy. **2013**, 377-404
- 446 Recent Advances in Nearfield Optical Analysis and Description of Amorphous Metamaterials. **2013**, 169-200
- 445 Localized Surface Plasmon Resonance Spectroscopy with Applications to Chemistry. **2013**, 179-214
- 444 Chapter 8: Novel Lab-on-a-Chip Sensing Systems: Applications of Optical, Electrochemical, and Piezoelectric Transduction in Bioanalysis. **2014**, 224-269
- 443 Defect Tolerant Talbot Nanopatterning. **2014**, 263-267 1
- 442 Enhancing Raman Signal Sufficiently for Practical Sensing Applications. **2014**,
- 441 Simulation and Optimization of Nanoparticle Patterned Substrates for SERS Effect. **2014**, 133-139
- 440 Effect of the Relative Spatial Arrangement of a Metal Nanoshell and an LH2 Complex of Photosynthetic Bacteria on the Optical Properties of the Hybrid Light-Harvesting Structure. **2014**, 59, 158-166
- 439 Single Molecule Spectroscopy for Nanomaterials Characterization. **2014**, 4485-4504
- 438 Raman Scattering: Surface-Enhanced. 4126-4135
- 437 SERS Molecular Sentinel Nanoprobes to Detect Biomarkers for Medical Diagnostics. **2014**, 617-630

- 436 Resonant Enhancement of Molecular Excitation Intensity in Inelastic Electron Scattering Spectrum Owing to Interaction with Plasmons in Metallic Nanoshell. **2014**, 59, 922-931
- 435 Optical Nanoantennas. **2015**, 1-33
- 434 Hyperspectral Stochastic Optical Reconstruction Raman Microscopy for Label-Free Super-Resolution Imaging Using Surface Enhanced Raman Spectroscopy. **2015**, 207-221
- 433 Surface-Enhanced Raman Spectroscopy Analysis Device with Gold Nanoparticle Arranged Nanochannel. **2015**, 135, 214-220
- 432 Advances of Nanomaterials for Food Processing. **2015**, 1-18
- 431 Advances of Nanomaterials for Food Processing. **2015**, 1137-1159
- 430 Universal Enhancement of Raman Scattering Sensing by Plasmonic Nanotubes Coupled with Photonic Crystal Slab. **2015**,
- 429 Molecular Optomechanics with Plasmons: backaction at the nanoscale. **2015**,
- 428 Analysis of Aggregation Reaction of Silver Nanoparticles in Microchannel for Highly Sensitive Surface-Enhanced Raman Spectroscopy. **2015**, 135, 433-438
- 427 Gold Nanoshell Effect on Light-Harvesting in LH2 Complexes from Photosynthetic Bacteria. **2015**, 4, 157-164
- 426 Encyclopedia of Nanotechnology. **2016**, 3264-3277
- 425 Detection of Organic Matter in Simulant Martian Soil using Plasmonic-Biosilica SERS Substrate. **2016**,
- 424 Enhanced Nonlinear-Optical Response of Composites Based on Plasmonic Nanoparticles. **2016**,
- 423 Highly-sensitive Detection of Adenine Molecule using Surface-Enhanced Raman Spectroscopy with Gold Nanoparticle Dimer Array. **2016**, 136, 256-260
- 422 Remote Spectroscopy Below the Diffraction Limit. **2016**, 417-440
- 421 Fabrication of NEMS actuated plasmonic antenna platform for the study of optical forces and field enhancements in hot-spots. **2016**,
- 420 Chemical Analysis of Buried Interface Using SERS Sensors. **2016**, 37, 435-440
- 419 Polycrystalline Zirconia For Joint Replacement. **2016**, 157-306

418 Chapter 5 Plasmonic Enhancement. **2016**, 225-286

417 Introduction to Active Plasmonics and Magnetoplasmonics. **2017**, 5-25

416 Plasmonics and Surface Plasmons. **2016**, 1062-1082

415 Terahertz surface polaritons. **2017**, 66, 148705

414 Chapter 7: Molecularly Imprinted Polymers-based Sensing in Food Safety and Quality Analysis. **2017**, 164-199 1

413 Photoswitchable Hybrid Nanosystems Based on Diarylethene Molecules and Gold Nanoparticles. **2017**, 443-464 1

412 Tunable Order Parameters in Nickelate Heterostructures. **2017**, 69-107

411 Anisotropic Metallic and Metallic Oxide Nanostructures-Correlation Between Their Shape and Properties. **2017**, 105-151

410 Uniaxially Stretched Flexible Surface Plasmon Resonance Film for Versatile Surface Enhanced Raman Scattering Diagnostics. **2017**,

409 Multi-wave EM-Acoustic Applications. **2017**, 95-127

408 Sensitive DNA Detection and SNP Identification Using Ultrabright SERS Nanorattles and Magnetic Beads for In Vitro Diagnostics. **2017**, 609-626

407 Raman spectroscopy and biochemical modeling of ex-vivo breast tissues and deparaffinized tissue samples. **2018**,

406 Nanoparticle-Based SERS Substrates for Molecular Sensing Applications. **2018**, 85-112

405 Introduction. **2018**, 1-14

404 . **2018**,

0

403 Introduction. **2018**, 1-6

402 Traditional Raman and SERS: Fundamentals and State of the Art. **2018**, 9-56

401 Coherent Anti-Stokes Raman Scattering Enhanced by MoS<sub>2</sub> Nanoparticles. **2018**,

400	Introduction. <b>2018</b> , 1-8	1
399	Promising methods for noninvasive medical diagnosis based on the use of nanoparticles: surface-enhanced raman spectroscopy in the study of cells, cell organelles and neurotransmitter metabolism markers. <b>2019</b> , 57-67	1
398	<del>Surface plasmon resonance hot spots and near-field enhanced spectroscopy at interfaces. <b>2019</b>, 68, 147801</del> Surface plasmon resonance hot spots and near-field enhanced spectroscopy at interfaces. <b>2019</b> , 62-73	
397	Surface plasmon resonance hot spots and near-field enhanced spectroscopy at interfaces. <b>2019</b> , 68, 147801	1
396	Surface Enhanced Raman Spectroscopy-Based Bio-molecular Detectors. <b>2019</b> , 229-251	
395	Quasinormal mode analysis of extremely localized optical field in body-of-revolution plasmonic structures. <b>2019</b> , 68, 147104	4
394	Surface plasmon mediated chemical reaction. <b>2019</b> , 68, 147102	1
393	Nano-antennas Excitation with Visible Light and Their Observed Response with a Confocal Microscope in the THz Range. <b>2019</b> , 45-49	
392	Method of encapsulating silver nanodots using porous glass and its application in Q-switched all solid-state laser. <b>2019</b> , 27, 5337-5345	
391	An easy produced optical fiber SERS sensor. <b>2019</b> ,	
390	A Review of SERS for Biomaterials Analysis Using Metal Nanoparticles. <b>2019</b> , 22, 281-300	
389	Nano-antennas excitation with visible light and their response as observed with a confocal microscope. <b>2019</b> ,	
388	Hot spot statistics and SERS performance of self-assembled silver nanoisland films. <b>2019</b> , 9, 4090	3
387	Direct detection of cancer biomarkers using plasmonics-based Inverse Molecular Sentinel (iMS) nanobiosensors. <b>2019</b> ,	
386	A Reliable and Disposable Optical Fiber SERS Substrate. <b>2019</b> ,	
385	Quantum Corrections in Plasmonics and Plasmon Emitter Interactions. <b>2020</b> , 157-202	
384	Recent research progress of non-noble metal based surface-enhanced Raman scattering substrates. <b>2020</b> , 69, 190701	2
383	Adaptive optics approach to surface-enhanced Raman scattering. <b>2020</b> , 45, 3709-3712	0

- 382 Surface enhanced Raman scattering on ion-beam-deposited TiNx/Si substrates. **2020**, 472, 24-31 3
- 381 Detection of nitrogenous and nitro-aromatic compound with thin gold films roughened by cold Argon plasma as SERS-active substrate. **2021**, 101556 1
- 380 Research Progress of Modification the Plasmon Dephasing Time. **2020**, 10, 15-23
- 379 Au Nanoparticle Sub-Monolayers Buried between Magnetron Oxide Thin Layers. **2020**, 1695, 012002
- 378 Substrates for Surface-Enhanced Raman Scattering Formed on Nanostructured Non-Metallic Materials: Preparation and Characterization. **2020**, 11, 5
- 377 Hierarchically assembled silver nanoprism-graphene oxide-silicon nanowire arrays for ultrasensitive surface enhanced Raman spectroscopy sensing of atrazine. **2022**, 138, 106288 2
- 376 Surface Hybrid Structuring by Laser Removal and Subtractive Processing. **2021**, 1189-1225
- 375 Introduction. **2020**, 3-12
- 374 Chapter 3. Computational Vibrational Spectroscopy: A Contemporary Perspective. **2020**, 69-124
- 373 Plasmons in One and Two Dimensions. **2020**, 557-584 1
- 372 Coherent Nonlinear Processes in Metal-Semiconductor Hybrid Nanostructures. **2020**, 101-120
- 371 Surface Hybrid Structuring by Laser Removal and Subtractive Processing. **2020**, 1-37
- 370 Plasmonic band structures and its applications. **2020**, 69, 157301 2
- 369 Fundamentals of Graphene Plasmonics. **2020**, 71-100
- 368 Hyper-raman spectroscopy of hydrogen bonding in DMSO-water mixtures. **2020**,
- 367 Hyper-Raman spectroscopy of biologically important molecules. **2020**, 0
- 366 Recent advances in plasmonic Prussian blue-based SERS nanotags for biological application. 3
- 365 Plasmonic nanostructures of SnO<sub>2</sub>:Sb thin film under gamma radiation response. **2020**, 38, 62-72 1

364	Deep Subwavelength Laser-Induced Periodic Surface Structures on Silicon as a Novel Multifunctional Biosensing Platform. <b>2021</b> , 13, 54551-54560	4
363	Optical Anisotropy in van der Waals materials: Impact on Direct Excitation of Plasmons and Photons by Quantum Tunneling. <b>2021</b> , 10, 230	1
362	Optimal Excitation Wavelength for Surface-Enhanced Raman Spectroscopy: The Role of Chemical Interface Damping. <b>2021</b> , 12, 11014-11021	3
361	Toward Sensitive and Reliable Surface-Enhanced Raman Scattering Imaging: From Rational Design to Biomedical Applications. <b>2021</b> , 6, 3912-3932	5
360	Ultra-Thin All-Epitaxial Plasmonic Detectors.	9
359	Electrochemical and Plasmonic Photochemical Oxidation Processes of para-Aminothiophenol on a Nanostructured Gold Electrode.	1
358	Edge-engineered self-assembled hierarchical plasmonic SERS templates. <b>2021</b> , 6, 100186	0
357	Plasmonic Nanobiosensing: from in situ plant monitoring to cancer diagnostics at the point of care. <b>2020</b> , 2, 034012	2
356	Bionanotechnology. 436-489	
355	Theory of Metal-Fluorophore Interactions. <b>2006</b> , 71-106	1
354	SENSING PROTEINS WITH ADAPTIVE METAL NANOSTRUCTURES. <b>2007</b> , 197-215	
353	Low Concentration Protein Detection Using Novel SERS Devices. <b>2011</b> , 191-210	0
352	An ultra-broadband wavelength-selective anisotropic plasmonic metasurface. <b>2020</b> , 17, 105901	0
351	Real-time fluorescence sensing of single photoactive proteins using silver nanowires. <b>2020</b> , 8, 045004	2
350	Wafer-scale silver nanoislands with ~5 nm interstitial gaps for surface-enhanced Raman scattering. <b>2020</b> , 10, 3359	1
349	How gap distance between gold nanoparticles in dimers and trimers on metallic and non-metallic SERS substrates can impact signal enhancement.	4
348	Ag nanowires based SERS substrates with very high enhancement factor. <b>2022</b> , 137, 115080	1
347	An investigation of the coupling of phonon-polaritons with plasmon-polaritons in hBN/nanopatterned Au layered devices. <b>2021</b> , 130, 193101	0

- 346 Optical meta-waveguides for integrated photonics and beyond. **2021**, 10, 235 32
- 345 Synthesis of silver nanoplates with a narrow LSPR band for chemical sensing through a plasmon-mediated process using photochemical seeds. **2021**, 21, 101279 1
- 344 Abnormal microstructure evolution behaviors of annealed Ag-18.9 at% Co alloy film on flexible polyimide substrates. **2021**, 101614 1
- 343 Raman Scattering Enhancement Based on High-Pressure High-Temperature Diamonds **2021**, 42, 671
- 342 Hybrid Metal-Dielectric-Metal Sandwiches for SERS Applications.. **2021**, 11, 1
- 341 Resolving plasmonic hotspots by label-free super-resolution microscopy.. **2022**, 47, 210-213 0
- 340 Ultra-rapid and highly efficient enrichment of organic pollutants via magnetic mesoporous nanosponge for ultrasensitive nanosensors. **2021**, 12, 6849 5
- 339 Raman Imaging and Fluorescence Lifetime Imaging Microscopy for Diagnosis of Cancer State and Metabolic Monitoring. **2021**, 13, 1
- 338 Integrated enhanced Raman scattering: a review. **2021**, 8, 41 0
- 337 Single-molecule and particle detection on true portable microscopy platforms. **2022**, 4, 100063 2
- 336 Interfacial Dynamics, Chemistry, and Photochemistry of Molecular Ligands on Plasmonic Nanoparticle Surfaces: Insights From Surface-Enhanced Raman Spectroscopy. **2021**, 1
- 335 Tuning the topographical parameters of Si pyramids for a better surface enhanced Raman response. **2021**, 23, 26407-26416 1
- 334 Nanoplasmonics: From fundamentals to applications. **2021**, 1
- 333 Plasmonic Photochemical Water Splitting for Efficient Solar Energy Conversion. **2021**, 71-101
- 332 Influence of bulky substituents on single-molecule SERS sensitivity.. **2022**, 156, 014201 1
- 331 The micro-, submicron-, and nanoplastic hunt: A review of detection methods for plastic particles.. **2022**, 133514 7
- 330 Quadruple plasmon-induced transparency and tunable multi-frequency switch in monolayer graphene terahertz metamaterial. 0
- 329 Ag-decorated polymer chip for the determination of the respective concentrations of TTD and Hg by surface-enhanced raman scattering.. **2022**, 1



- 328 Synthesis of Silver Nanoparticles with Long-term storability for SERS Applications Using Aqueous Extracts of Rice Bran: A Rapid and Green Photochemical Approach. **2022**, 1254, 132338 1
- 327 Classical Model of Surface Enhanced Infrared Absorption (SEIRA) Spectroscopy.. **2022**, 0
- 326 New opportunities for nuclear and atomic physics on the femto- to nanometer scale with ultra-high-intensity lasers. **2022**, 7, 024201 0
- 325 Effects of chloride ions on flower-like Ag-coated ZnO nanorod arrays and the Raman enhancement. **2022**, 578, 152082 0
- 324 Nested Equivalent Source Approximation for the Simulation of Surface Enhanced Raman Scattering. **2020**, 0
- 323 Ultra-high Sensitive SERS Gas Sensor to detect Geosmin. **2020**,
- 322 Plasmonics for Dummies: a proposal for teaching fundamentals of plasmonics. **2021**,
- 321 Synthesis of Silver Nanoplates With a Narrow LSPR Band for Chemical Sensing Through a Plasmon-Mediated Process Using Photochemical Seeds.
- 320 Plasmonic Spherical Nanoparticles Coupled with Titania Nanotube Arrays Prepared by Anodization as Substrates for Surface-Enhanced Raman Spectroscopy Applications: A Review.. **2021**, 26, 0
- 319 Enhanced excitation and readout of plasmonic cavity modes in NPoM via SiN waveguides for on-chip SERS.. **2022**, 30, 4553-4563 0
- 318 SRS flow and image cytometry. **2022**, 203-214
- 317 Colorimetric sensing using plasmonic nanoparticles. **2022**, 175-205
- 316 Simulation of Surface Enhanced Raman Scattering from Nanoparticles with Wideband Nested Equivalence Source Approximation. **2022**, 1-1 2
- 315 Plasmonic Rare-Earth Nanosheets as Surface Enhanced Raman Scattering Substrates with High Sensitivity and Stability for Multicomponent Analysis.. **2022**, 2
- 314 Physically unclonable functions taggant for universal steganographic prints.. **2022**, 12, 985 2
- 313 Microfluidics and surface-enhanced Raman spectroscopy, a win-win combination?. **2022**, 5
- 312 One-dimensional nanohybrids based on cellulose nanocrystals and their SERS performance.. **2022**, 284, 119140 2
- 311 SERS activity of carbon nanotubes modified by silver nanoparticles with different particle sizes.

310	Multi-Functional Silver Nanoparticles for High-Throughput Endospore Sensing.. <b>2022</b> , 12,	1
309	DNA Nanotweezers for Biosensing Applications: Recent Advances and Future Prospects.. <b>2022</b> ,	2
308	Tailored Colloidal Nanostars for Surface-Enhanced Raman Spectroscopy: Optimization of Formulation Components and Study of the Stabilizer-Nanoparticle Interactions. <b>2022</b> , 126, 2023-2040	1
307	Dynamic surface-enhanced Raman spectroscopy of DNA oligomer with a single hotspot from a gold nanoparticle dimer.. <b>2022</b> , 47, 373-376	1
306	Plasmon-enhanced stimulated Raman scattering microscopy. <b>2022</b> , 343-356	
305	Stimulated Raman scattering: Ensembles to single molecules. <b>2022</b> , 41-65	
304	Verification and Analysis of Single-Molecule SERS Events via Polarization-Selective Raman Measurement.. <b>2022</b> ,	2
303	Toward single-molecule surface-enhanced Raman scattering with novel type of metasurfaces synthesized by crack-stretching of metallized track-etched membranes.. <b>2022</b> , 156, 034902	1
302	Engineering the radiative dynamics of thermalized excitons with metal interfaces.	0
301	Plasmonic porous ceramics based on zirconia-toughened alumina functionalized with silver nanoparticles for surface-enhanced Raman scattering. <b>2022</b> , 9, 100228	
300	MoS <sub>2</sub> -spaced bimetal composite structure as SERS-SPR sensor for glucose detection. <b>2022</b> , 902, 163789	4
299	Investigation of mammalian cells expressing SARS-CoV-2 proteins by surface-enhanced Raman scattering and multivariate analysis.. <b>2022</b> ,	2
298	Current state-of-art nanotechnology applications for developing SARS-CoV-2-detecting biosensors: A review.	1
297	Surface enhanced Raman spectroscopy for tumor nucleic acid: Towards cancer diagnosis and precision medicine.. <b>2022</b> , 204, 114075	3
296	Assembly of long silver nanowires into highly aligned structure to achieve uniform "Hot Spots" for Surface-enhanced Raman scattering detection.. <b>2022</b> , 273, 121030	0
295	Strong Local Field Enhancement of Raman Scattering Observed in Metal-Dielectric Gratings due to Vertical Fabry-Perot Modes of Surface Plasmon Polaritons. <b>2022</b> , 17,	0
294	Surface-Enhanced Raman Scattering for Biomedical Diagnostics and Molecular Imaging. <b>2006</b> , 409-426	2
293	Double Resonance SERS Substrates: Ag Nanoparticles on Grating. <b>2021</b> , 125, 27267-27274	0

292	Quantum Optical Theories of Molecular Optomechanics. <b>2022</b> , 163-204	
291	DNA self-assembled Au nanoparticle clusters on silver nanorod arrays for high-sensitive and multiplex detection of cancer-related biomarkers.. <b>2022</b> ,	1
290	Machine learning for rapid quantification of trace analyte molecules using SERS and flexible plasmonic paper substrates.. <b>2022</b> ,	1
289	Electrochemically activated carbon-halogen bond cleavage and C-C coupling monitored by shell-isolated nanoparticle-enhanced Raman spectroscopy.. <b>2022</b> ,	2
288	Nanotechnological interventions for the detection of pathogens through surface marker recognition. <b>2022</b> , 45-77	
287	Nonlinear Optical Microcavities Towards Single-Molecule Sensing. <b>2022</b> , 97-123	
286	Stationary, Continuous, and Sequential Surface-Enhanced Raman Scattering Sensing Based on the Nanoscale and Microscale Polymer-Metal Composite Sensor Particles through Microfluidics: A Review. <b>2022</b> , 10, 2102757	1
285	Part-Per-Billion Level Chemical Sensing with a Gold-Based SERS-Active Substrate.. <b>2022</b> , 22,	0
284	Correlative Raman Imaging and Scanning Electron Microscopy: The Role of Single Ga Islands in Surface-Enhanced Raman Spectroscopy of Graphene. <b>2022</b> , 126, 4508-4514	1
283	Exploiting Plasmonic Hot Spots in Au-Based Nanostructures for Sensing and Photocatalysis.. <b>2022</b> ,	5
282	Computational Studies, GERS, Photovoltaic Modelling and Molecular Docking Studies of Diethylstilbestrol and Its Methyl Ether. 1-8	0
281	Electrically Controlled Enrichment of Analyte for Ultrasensitive SERS-Based Plasmonic Sensors.. <b>2022</b> , 12,	2
280	Carbon Nanotubes for the Optical Far-Field Readout of Processes That Are Mediated by Plasmonic Near-Fields. <b>2022</b> , 126, 5927-5934	
279	Quantitative Detection of Creatinine in Human Serum by SERS with Evaporation-Induced Optimal Hotspots on Au Nanocubes.	2
278	Physical Properties and the Reconstruction of Unstable Decahedral Silver Nanoparticles Synthesized Using Plasmon-Mediated Photochemical Process.. <b>2022</b> , 12,	0
277	Spatially Controlled Fabrication of Surface-Enhanced Raman Scattering Hot Spots through Photoinduced Dewetting of Silver Thin Films.. <b>2022</b> , 2969-2975	0
276	Modulating the temporal dynamics of nonlinear ultrafast plasmon resonances. <b>2022</b> , 24, 045003	0
275	Raman Spectroscopy: A Novel Technology for Gastric Cancer Diagnosis.. <b>2022</b> , 10, 856591	0

274	A Facile Synthesis of PbS-G QDs Nanocomposite as Electrode Material with Enhanced Energy Density for High Performance Supercapattery Application. 1	
273	Block Copolymer Nanopatterning for Nonsemiconductor Device Applications.. 2022,	4
272	Freestanding and Permeable Nanoporous Gold Membranes for Surface-Enhanced Raman Scattering.. 2022,	1
271	Investigation of electronic excited states in single-molecule junctions. 1	0
270	Finding a Sensitive Surface-Enhanced Raman Spectroscopic Thermometer at the Nanoscale by Examining the Functional Groups.. 2022,	1
269	Reproducible Fabrication of Gold Nanostar Monolayers for Surface-enhanced Raman Spectroscopy-based Trace Detection.	0
268	Tracking on crystallization process of doped metal oxide IATO to optimize solvothermal conditions. 2022, 128, 1	
267	3D silver metallized nanotrenches fabricated by nanoimprint lithography as flexible SERS detection platform.. 2022, 276, 121232	0
266	Piezoelectric Effect Enhanced Photocatalytic Activity of Pt/BiGdTiO Plasmonic Photocatalysis.. 2022, 12,	0
265	Fishing unfunctionalized SERS tags with DNA hydrogel network generated by ligation-rolling circle amplification for simple and ultrasensitive detection of kanamycin.. 2022, 207, 114187	2
264	General Background of SERS Sensing and Perspectives on Polymer-Supported Plasmon-Active Multiscale and Hierarchical Sensor Particles. 2022, 10, 2102001	1
263	Two-dimensional layer materials for highly efficient molecular sensing based on surface-enhanced Raman scattering. 2021, 36, 995-1012	1
262	Surface-enhanced Raman spectroscopy. 2021, 1,	19
261	Surface Enhanced Raman Spectroscopy: Applications in Agriculture and Food Safety. 2021, 8, 568	3
260	Gold nanoparticles fabricated by the electrical wire explosion technique, deposited on a porous silicon as an active substrate for surface-enhanced Raman scattering (SERS). 2021, 2114, 012094	
259	Fabrication of Au-Nanoparticle-Decorated Cu Mesh/Cu(OH) <sub>2</sub> @HKUST-1 Nanorod Arrays and Their Applications in Surface-Enhanced Raman Scattering. 2022, 14, 228	0
258	Room-temperature mid-infrared detectors. 2021, 374, 1201-1202	
257	Photoactive Control of Surface-Enhanced Raman Scattering with Reduced Graphene Oxide in Gas Atmosphere.. 2021,	0

- 256 In-silico design of graphene plasmonic hot-spots. 1
- 255 Effect of coupling crater structure and Ag nanoparticles on SERS enhancement. **2022**, 57, 7547-7555 1
- 254 A systematic study of Surface Plasmon Enhanced Electric Field in Nanoparticle Dimers for UV Plasmonics. **2022**, 402, 2100365
- 253 Resonance conditions, detection quality, and single-molecule sensitivity in fluorescence-encoded infrared vibrational spectroscopy.. **2022**, 156, 174202
- 252 Controlled Citrate Oxidation on Gold Nanoparticle Surfaces for Improved Surface-Enhanced Raman Spectroscopic Analysis of Low-Affinity Organic Micropollutants.. **2022**, 0
- 251 Transition from surface phonon-polariton to surface phonon-plasmon-polariton by thermal injection of free carriers.. **2022**, 0
- 250 High-Performance Surface-Enhanced Raman Scattering Substrates Based on the ZnO/Ag Core-Satellite Nanostructures.. **2022**, 12, 2
- 249 Raman and FTIR Spectroscopic Techniques and Their Applications. **2022**, 97-116
- 248 Magnetic iron oxide cores with attached gold nanostructures coated with a layer of silica: An easily, homogeneously deposited new nanomaterial for surface-enhanced Raman scattering measurements.. **2022**, 277, 121266 3
- 247 Applications of the Enhancement of Resonance Raman Scattering and Fluorescence by Strongly Coupled Metallic Nanostructures. **2006**, 197-216
- 246 Temporal Fluctuations in Single-Molecule SERS Spectra. **2006**, 279-296
- 245 Single-Molecule Surface-Enhanced Resonance Raman Spectroscopy of the Enhanced Green Fluorescent Protein EGFP. **2006**, 297-312
- 244 Biomolecule Sensing with Adaptive Plasmonic Nanostructures. **2006**, 351-366
- 243 Quantitative Surface-Enhanced Resonance Raman Spectroscopy for Analysis. **2006**, 381-396
- 242 Electromagnetic Theory of SERS. **2006**, 47-66 0
- 241 Coupled Plasmonic Plasmon/Photonic Resonance Effects in SERS. **2006**, 67-86
- 240 Studying SERS from Metal Nanoparticles and Nanoparticles Aggregates with Continuum Models. **2006**, 105-124
- 239 Electronic Mechanisms of SERS. **2006**, 147-182

238	Data_Sheet_1.PDF. <b>2020</b> ,	
237	DataSheet1.DOCX. <b>2018</b> ,	
236	Solution NMR methods for structural and thermodynamic investigation of nanoparticle adsorption equilibria.	0
235	Surface-Enhanced Raman Scattering sensing of food contaminants. <b>2022</b> ,	
234	A Wide-Field Imaging Approach for Simultaneous Super-Resolution Surface-Enhanced Raman Scattering Bioimaging and Spectroscopy.	0
233	Microspheres on a Silver Film over Nanoparticle Arrays as Optoplasmonic Hybrid Materials for Surface-Enhanced Raman Spectroscopy. <b>2022</b> , 126, 7542-7547	1
232	Near- and Far-Field Plasmonic Enhancement by Asymmetric Nanosphere Heterodimers. 1	0
231	Dimensional Design for Surface-Enhanced Raman Spectroscopy.	1
230	Fabrication of magnetic Au/Fe <sub>3</sub> O <sub>4</sub> /MIL-101(Cr) (AF-MIL) as sensitive surface-enhanced Raman spectroscopy (SERS) platform for trace detection of antibiotics residue. <b>2022</b> , 153550	2
229	The First Silver-Based Plasmonic Nanomaterial for Shell-Isolated Nanoparticle-Enhanced Raman Spectroscopy with Magnetic Properties. <b>2022</b> , 27, 3081	2
228	SERS characterization of colorectal cancer cell surface markers upon anti-EGFR treatment. 20210176	0
227	Surface plasmon polariton at the interface of dielectric and graphene medium using the Doppler broadening effect. <b>2022</b> , 32, 065206	0
226	Recent Progress in SERS-Based Anti-counterfeit Labels. 2200201	1
225	Quantitative and recyclable SERS detection induced by tunable Raman internal standard from embedded silicon nanoparticles. <b>2022</b> , 366, 131989	0
224	Ultrasensitive detection of amoxicillin using the plasmonic silver nanocube as SERS active substrate.. <b>2022</b> , 278, 121308	0
223	Label-free discrimination of tumorigenesis stages using in vitro prostate cancer bone metastasis model by Raman imaging.. <b>2022</b> , 12, 8050	0
222	Large-area Co(OH) <sub>2</sub> Nanoflower Array Films Decorated with Ag Nanoparticles as Sensitive SERS Substrates.	
221	Differentiation and classification of bacterial endotoxins based on surface enhanced Raman scattering and advanced machine learning.	2

220	Fast and Accurate Modeling and Optimization of Large Metasurface Considering Near Couplings. <b>2022,</b>	
219	Experimental verification of ill-defined topologies and energy sinks in electromagnetic continua. <b>2022, 4,</b>	
218	Identification of SARS-CoV-2 by Gold Nanoparticles. <b>2022, 1-12</b>	
217	Shape-sensitive inelastic scattering from metallic nanoparticles. <b>2022,</b>	0
216	How Surface-Enhanced Raman Spectroscopy Could Contribute to Medical Diagnoses. <b>2022, 10, 190</b>	0
215	Assessing the effect of different pH maintenance situations on bacterial SERS spectra.	
214	Positively Charged Additives Facilitate Incorporation in Inorganic Single Crystals.	2
213	Plasmonic rhenium trioxide self-assembled microtubes for highly sensitive, stable and reproducible surface-enhanced raman spectroscopy detection. <b>2022,</b>	1
212	Development and validation of an integrated microfluidic device with an in-line Surface Enhanced Raman Spectroscopy (SERS) detection of glyphosate in drinking water. <b>2022, 249, 123640</b>	1
211	Effects of Near- and Far-Field Coupling on the Enhancement Factor of the Radiative Decay Rate of Multiple Emitters Near a Silver Nanoparticle Sphere.	2
210	Combining multilayered wrinkled polymer SERS substrates and spectral data processing for low concentration analyte detection.	
209	Surface-Enhanced Raman Scattering Under Liquid Nitrogen (SERSUN). <b>2022, 67-81</b>	
208	Theory of Plasmonic Probes. <b>2022, 15-40</b>	
207	SERS Hotspot Engineering by Aerosol Self-Assembly of Plasmonic Ag Nanoaggregates with Tunable Interparticle Distance. 2201133	5
206	Spin-Coated Ag NPs SERS Substrate: Role of Electromagnetic and Chemical Enhancement in Trace Detection of Methylene Blue and Congo Red.	0
205	SERS-Based Methodology for the Quantification of Ultratrace Graphene Oxide in Water Samples.	0
204	Zwitterionic Osmolytes Revive Surface Charges under Salt Stress via Dual Mechanisms. <b>2022, 13, 5660-5668</b>	
203	Necklace-like Nanostructures: from Fabrication, Properties to Applications. 2200776	1

- 202 On-site detection of pyrene from mixture with ppb level sensitivity by plasmonic TLC-DSERS. **2022**, 121547 0
- 201 Towards an advanced neurotechnological system: colorimetric sensing with a novel grism-based spectrometer, functionalized gold nanoparticles and a heterogeneous embedded system. **2022**, 380, 0
- 200 Intelligent and thermo-responsive Au-pluronic $\chi$  F127 nanocapsules for Raman-enhancing detection of biomolecules. **2022**, 279, 121475
- 199 Nanocrystalline graphene for ultrasensitive surface-enhanced Raman spectroscopy. **2022**, 599, 154035 0
- 198 Recent trends in core-shell nanostructures-based SERS substrates. **2022**, 199-221
- 197 Diazonium-Modification of Plasmonic Surfaces Formed by Laser Ablation. **2022**, 345-357
- 196 Insight into ultrasensitive and high-stability flocculation-enhanced Raman spectroscopy for the in situ noninvasive probing of cupping effect substances.
- 195 Screening of silver nanoparticles in antibacterial products by leveraging a silver nanowire membrane as a filter and amplifier.
- 194 Single-Molecule Surface-Enhanced Raman Spectroscopy. **2022**, 22, 4889 3
- 193 Highly Sensitive Flexible SERS-Based Sensing Platform for Detection of COVID-19. **2022**, 12, 466 3
- 192 Surface plasmon polariton phase retrieval via nanoscale surface roughness induced cross-polarization scattering. **2022**, 105, 0
- 191 Recent Advances in Inflammatory Diagnosis with Graphene Quantum Dots Enhanced SERS Detection. **2022**, 12, 461 3
- 190 Plasmonics for Dummies: a proposal for teaching fundamentals of plasmonics. **2022**,
- 189 Probing Denaturation of Protein A via Surface-Enhanced Infrared Absorption Spectroscopy. **2022**, 12, 530 1
- 188 Infrared nanoplasmonic properties of hyperdoped embedded Si nanocrystals in the few electrons regime. **2022**, 1
- 187 Recent advances in nanotechnology and microfluidic-based approaches for isolation and detection of circulating tumor cells (CTCs). **2022**, 31, 100886 0
- 186 Conformational heterogeneity of molecules physisorbed on a gold surface at room temperature. **2022**, 13,
- 185 Molecular Optomechanics Approach to Surface-Enhanced Raman Scattering. **2022**, 55, 1889-1899 2



- 184 Quantum Mechanical Effects in High-Resolution Tip-Enhanced Raman Imaging. 1
- 183 Nanomaterial-based single-molecule optical immunosensors for supersensitive detection. **2022**, 11, 100191 0
- 182 Improved surface-enhanced Raman scattering performance enabled by hydrophilic-hydrophobic piezoelectric PVDF-silver substrate. **2022**, 132431 0
- 181 Resonant Metasurfaces for Spectroscopic Detection: Physics and Biomedical Applications. **2022**, 2022, 1-17 1
- 180 Ratiometric pH-responsive SERS strategy for glioma boundary determination. **2022**, 123750 0
- 179 Modelling of 1D triangular Ag-grating for enhanced absorption in thin film solar cell. **2022**, 54, 0
- 178 Self-assembly of gold nanoparticles by chitosan for improved epinephrine detection using a portable surface enhanced Raman scattering device. **2022**, 123752 0
- 177 Au nanoparticles decorated covalent organic framework composite for SERS analyses of malachite green and thiram residues in foods. **2022**, 281, 121644 0
- 176 Electron energy spectroscopic mapping of surface plasmon by parallel scanning method. **2022**, 35, 537-541 0
- 175 Manipulating the light-matter interactions in plasmonic nanocavities at 1 nm spatial resolution. **2022**, 11, 3
- 174 Engineering gold nanoparticles for molecular diagnostics and biosensing. 0
- 173 Origin of Zenneck-like waves excited by optical nanoantennas in non-plasmonic transition metals. 0
- 172 Engineering the Dispersion of Surface Plasmon Polariton/Epsilon-Near-Zero Modes through Modal Separation and Optical Confinement. 2200146 0
- 171 Visual Detection of COVID-19 from Materials Aspect. 1
- 170 Graphene-Based Surface-Enhanced Raman Scattering (SERS) Sensing: Bibliometrics Based Analysis and Review. **2022**, 10, 317 1
- 169 The Theory of Surface-Enhanced Raman Spectroscopy on Organic Semiconductors: Graphene. **2022**, 12, 2737 0
- 168 Single-Nanoparticle-Based Digital SERS Sensing Platform for the Accurate Quantitative Detection of SARS-CoV-2. 0
- 167 Terahertz spectroscopy detection of zinc citrate in flour and milk powder mixtures. **2022**, 61, 7443 0

- 166 Using a Au/pitted a-plane GaN substrate to aggregate polar molecules for highly efficient surface-enhanced Raman scattering.
- 165 In Situ Surface-Enhanced Raman Scattering Detection of a SARS-CoV-2 Biomarker Using Flexible and Transparent Polydimethylsiloxane Films with Embedded Au Nanoplates. 3
- 164 Hottest Hotspots from the Coldest Cold: Welcome to Nano 4.0. 9
- 163 Theoretical Design of a Janus-Nanoparticle-Based Sandwich Assay for Nucleic Acids. **2022**, 23, 8807
- 162 Nanosensor Applications in Plant Science. **2022**, 12, 675 0
- 161 Multi-path remote-excited surface plasmon resonance of a hollow gold nanosheet studied using FDTD simulations. **2022**, 40, 105871 0
- 160 Brush-like gold nanowires-anchored g-C3N4 nanosheets with tunable geometry for ultrasensitive and regenerative SERS detection of gaseous molecules. **2022**, 283, 121732 0
- 159 Optimization of microfluidic functionalization of a plasmonic-based device for selective capture of anti-folic acid in solution. **2022**, 12, 100226
- 158 Au ETHH@ZIF-8 based "three-in-one" multifunctional substrate with analyte enrichment, filtration and enhanced SERS performance. **2022**, 606, 154914 0
- 157 Rapid and quantitative detection of respiratory viruses using surface-enhanced Raman spectroscopy and machine learning. **2022**, 217, 114721 2
- 156 Double-sided plasmonic metasurface for simultaneous biomolecular separation and SERS detection. **2023**, 285, 121801 0
- 155 In-situ and amplification-free imaging of hERG ion channels at single-cell level using a unique core-molecule-shell-secondary antibody SERS nanoprobe. **2023**, 253, 123900 0
- 154 Construction of a HPLC-SERS hyphenated system for continuous separation and detection based on paper substrates. **2022**, 147, 4073-4081 0
- 153 Optical bio-sensing of DNA methylation analysis: an overview of recent progress and future prospects. **2022**, 12, 25786-25806 0
- 152 Facile tuning of tip sharpness on gold nanostars by the controlled seed-growth method and coating with a silver shell for detection of thiram using surface enhanced Raman spectroscopy (SERS). **2022**, 12, 22815-22825 2
- 151 Thin-layer chromatography-surface-enhanced Raman scattering. **2022**, 249-277 0
- 150 From cavity optomechanics to cavity-less exciton optomechanics: a review. 1
- 149 SERS probes and tags for biomedical applications. **2022**, 89-114 0

- 148 Towards multi-molecular surface-enhanced infrared absorption using metal plasmonics. ○
- 147 Single-molecule detection with enhanced Raman scattering of tungsten oxide nanostructure. ○
- 146 Computational Underpinnings for the Photocatalytic Transformation of Para-Aminothiophenol to Dimercaptoazobenzene on Copper Surface. ○
- 145 Applications of SERS in biochemical and medical analysis. **2022**, 375-408 ○
- 144 Plasmonic nanosensors and their spectroscopic applications—current trends and future perspectives. **2022**, 337-372 ○
- 143 Recent Advances in Agglomeration Detection and Dual-Function Application of Surface-Enhanced Raman Scattering (SERS). **2022**, 18, 1257-1275 ○
- 142 Rapid determination of isepamicin by using SERS based on BSA-protected AgNPs modified by  $\text{Fe}_2\text{O}_3$ . **2023**, 285, 121942 ○
- 141 Surface-enhanced Raman spectroscopy for detection of nanoplastic particles. **2022**, ○
- 140 Influence of the Co-Adsorbed Ions on the Surface-Enhanced Raman Scattering Spectra of Dopamine Adsorbed on Nanostructured Silver. **2022**, 15, 5972 ○
- 139 The Feasibility of Early Alzheimer's Disease Diagnosis Using a Neural Network Hybrid Platform. **2022**, 12, 753 ○
- 138 Single-Molecule Raman Spectroscopy of a Pentacene Derivative Adsorbed on the Nonflat Surface of a Metallic Tip. **2022**, 126, 16227-16235 1
- 137 Extremely Sensitive SERS Sensors Based on a Femtosecond Laser-Fabricated Superhydrophobic/-philic Microporous Platform. **2022**, 14, 43877-43885 ○
- 136 Fabrication of triangular Au/Ag nanoparticle arrays with sub-10 nm nanogap controlled by flexible substrate for Surface-enhanced Raman Scattering. ○
- 135 DNA functionalized plasmonic nanoassemblies as SERS sensors for environmental analysis. ○
- 134 Silver Nanorods Array on the Zinc Oxide Thin Film Deposited by Hydrothermal Methods for Surface-Enhanced Raman Scattering. **2022**, 12, 9275 ○
- 133 Enhancing physical characteristics of thermotropic nematic liquid crystals by dispersing in various nanoparticles and their potential applications. ○
- 132 Molecularly imprinted core-shell Au nanoparticles for 2,4-dichlorophenoxyacetic acid detection in milk using surface-enhanced Raman spectroscopy. **2022**, 1227, 340333 ○
- 131 Near-infrared II plasmonic porous cubic nanoshells for in vivo noninvasive SERS visualization of sub-millimeter microtumors. **2022**, 13, 2

130	Recent Advances in Silver Nanostructured Substrates for Plasmonic Sensors. <b>2022</b> , 12, 713	2
129	Enhanced Refractive Index Sensing with Direction-Selective Three-Dimensional Infrared Metamaterials.	0
128	Super-resolution SERS spectral bioimaging. <b>2022</b> ,	0
127	Surface-enhanced Raman spectroscopy of one and a few molecules of acid 4- mercaptobenzoic in AgNP enabled by hot spots generated by hydrogen bonding..	0
126	Preparation of silver nanosheet-assembled film as a surface-enhanced Raman scattering substrate. <b>2022</b> , 41, 256-266	0
125	Applications of Single-Molecule Vibrational Spectroscopic Techniques for the Structural Investigation of Amyloid Oligomers. <b>2022</b> , 27, 6448	0
124	Point-of-Care Biosensing of Urinary Tract Infections Employing Optoplasmonic Surfaces Embedded with Metal Nanotwins.	1
123	Raman and Surface-Enhanced Raman Scattering (SERS) for Trace Analysis. <b>2022</b> , 309-337	0
122	Dipole-forbidden transitions induced by the gradient of optical near fields. <b>2022</b> , 106,	0
121	Plasmonic-Thermoelectric Nanotweezers for Immersive SERS Mapping.	0
120	DFT analysis on the adsorption of melamine in Ga <sub>12</sub> -N <sub>12</sub> /P <sub>12</sub> nanocages: solvent effects, SERS analysis, reactivity properties. 1-12	0
119	A review of cardiac troponin I detection by surface enhanced Raman spectroscopy: Under the spotlight of point-of-care testing. 10,	0
118	Microfluidic Gas Sensors: Detection Principle and Applications. <b>2022</b> , 13, 1716	2
117	Quantitative and sensitive detection of alpha fetoprotein in serum by a plasmonic sensor. <b>2022</b> ,	1
116	Surface-enhanced Raman scattering of DNA molecules on silver electrodes modified with silver nanoparticles. <b>2022</b> , 123, 103453	0
115	Surface-enhanced vibrational spectroscopies in electrocatalysis: Fundamentals, challenges, and perspectives. <b>2022</b> , 43, 2757-2771	0
114	SERS Monitored Kinetic Process of Gaseous Thiophenol Compound in Plasmonic MOF Nanoparticles.	0
113	Surface-enhanced Raman spectroscopy (SERS) for protein determination in human urine. <b>2022</b> , 38, 100535	2

112	Sculptured thin films: Overcoming the limitations of surface-enhanced Raman scattering substrates. <b>2022</b> , 12, 100322	1
111	3D plasmonic hot spots network via gold decorated deep micro-porous silicon exhibiting ultrahigh-SERS enhancement with application to explosives detection. <b>2023</b> , 374, 132813	0
110	SERS-based antibiotic susceptibility testing: Towards point-of-care clinical diagnosis. <b>2023</b> , 219, 114843	2
109	Self-assembly of Au nanocrystals into large-area 3-D ordered flexible superlattice nanostructures arrays for ultrasensitive trace multi-hazard detection. <b>2023</b> , 443, 130124	0
108	Rapid and reliable detection and quantification of organophosphorus pesticides using SERS combined with dispersive liquid-liquid microextraction.	0
107	Statistical predictions on the encapsulation of single molecule binding pairs into sized-dispersed nanocontainers.	0
106	Machine learning-augmented surface-enhanced spectroscopy toward next-generation molecular diagnostics.	2
105	Surface-enhanced Raman spectroscopy for food quality and safety monitoring. <b>2023</b> , 31-54	0
104	Controllable hot electron transfer in the Ag/MoO <sub>3</sub> layer by layer system: Thickness-dependent MoO <sub>3</sub> layer. <b>2023</b> , 286, 121995	0
103	Metal-Organic-Frameworks-Isolated Au Nanobipyramids as Synergetic Surface-Enhanced-Raman-Scattering Substrates. 2506-2514	1
102	Plasmon-Tuned Particles for the Amplification of Surface-Enhanced Raman Scattering from Analytes.	0
101	Trends in Application of SERS Substrates beyond Ag and Au, and Their Role in Bioanalysis. <b>2022</b> , 12, 967	2
100	Pushing the limits.	1
99	SERS combined with PCR as a potent tool for detecting mutations: a case study of tomato plants. <b>2022</b> , 12, 35929-35937	0
98	Surface-enhanced Raman spectroscopy with nanomaterials. <b>2022</b> ,	0
97	Perspectives and Fabrication Challenges for Plasmon Based SERS Substrates. <b>2022</b> ,	0
96	Raman spectra and DFT calculations of thiophenol molecules adsorbed on a gold surface. <b>2022</b> , 24, 29505-29511	
95	Spotting the Driving Forces for SERS of Two-Dimensional Nanomaterials.	0

- 94 Optically trapped SiO<sub>2</sub>@Au particle-dye hybrid-based SERS detection of Hg<sup>2+</sup> ions. ○
- 93 Rapid on-site detection of zinc pyrithione in real-life samples with unprecedented selectivity and sensitivity. **2023**, 378, 133129 ○
- 92 First-Principles Calculation of Photoexcited Electron Dynamics of Nanostructures. **2022**, 1-35 ○
- 91 Interference Free HPLC-SERS for the Trace Analysis of Residual Furazolidones in the Aquaculture Sediment. **2022**, 10, 508 ○
- 90 Surface-enhanced Raman spectroscopy for emerging contaminant analysis in drinking water. **2023**, 17, ○
- 89 Biomass-derived porous carbon-protected silver nanoflowers construction of long-term stable SERS substrate for ultrasensitive detection of organic pollution. ○
- 88 Characterization of Ancient Dyes and Prints. **2022**, 85-106 ○
- 87 Toward Quantitative Surface-Enhanced Raman Scattering with Plasmonic Nanoparticles: Multiscale View on Heterogeneities in Particle Morphology, Surface Modification, Interface, and Analytical Protocols. **2022**, 144, 22337-22351 ○
- 86 Electrochemical and Photoelectrochemical Water Splitting: Operando -Raman and FTIR Spectroscopy as Useful Probing Techniques. ○
- 85 Aerosol Jet Printed Surface-Enhanced Raman Substrates: Application for High-Sensitivity Detection of Perfluoroalkyl Substances. ○
- 84 Laser Shock-Induced Polycrystallization Engineering for Plasmon Damping Tuning of Metallic Nanoparticles. 2202429 ○
- 83 Recent Development in Plasmonic Nanobiosensors for Viral DNA/RNA Biomarkers. **2022**, 12, 1121 1
- 82 Plasmon-Driven Catalytic Reactions in Optoplasmonic SandwichHybrid Structure. ○
- 81 Direct Modular Printing of Plasmonic Chemosensors. ○
- 80 Self-assembly at Liquid-Liquid Interface: A New SERS Substrate for Analytical Sensing. ○
- 79 Silent-enhancement of multiple Raman modes via tuning optical properties of graphene nanostructures. **2022**, 137, ○
- 78 Low-cost and Flexible Paper-based plasmonic nanostructure for Highly Sensitive SERS substrate. ○
- 77 Lossless enrichment of trace analytes in levitating droplets for multiphase and multiplex detection. **2022**, 13, 1

- 76 First-Principles Calculations of Crystallographic and Electronic Structural Properties of Au-Cu Alloys. **2022**, 6, 383 ○
- 75 Charge Transfer Effect: A New Assignment of the Abnormal Optical Absorption Band of Gold Nanoparticles. ○
- 74 SERS performance of cubic-shaped gold nanoparticles for environmental monitoring. ○
- 73 Analysis and Biomedical Applications of Functional Cargo in Extracellular Vesicles. ○
- 72 The evolution and recent research trends of Surface Enhanced Raman Scattering sensors using plasmonics: Citation network analysis. **2022**, 127255 ○
- 71 Decoupling Individual Optical Nanosensor Responses Using a Spin-Coated Hydrogel Platform. ○
- 70 Green Synthesis of Three-Dimensional Au Nanorods@TiO<sub>2</sub> Nanocomposites as Self-Cleaning SERS Substrate for Sensitive, Recyclable, and In Situ Sensing Environmental Pollutants. **2023**, 13, 7 ○
- 69 Rapid Detection of SARS-CoV-2 RNA in Human Nasopharyngeal Specimens Using Surface-Enhanced Raman Spectroscopy and Deep Learning Algorithms. ○
- 68 Characterization of Ancient Dyes and Prints. **2022**, 85-106 ○
- 67 Antibiotic Susceptibility Testing with Raman Biosensing. **2022**, 11, 1812 ○
- 66 Dense Arrays of Nanohelices: Raman Scattering from Achiral Molecules Reveals the Near-field Enhancements at Chiral Metasurfaces. 2209282 1
- 65 Engineered Two-Dimensional Nanostructures as SERS Substrates for Biomolecule Sensing: A Review. **2023**, 13, 102 1
- 64 Raman spectroscopy: A prospective intraoperative visualization technique for gliomas. 12, 1 1
- 63 Near-field circular dichroism of single molecules. **2023**, 31, 3415 1
- 62 Raman microscopy tracks maturity of melanin intermediates in *Botrytis cinerea*, a plant pathogen. **2023**, 13, 1381-1391 ○
- 61 Characterisation of a micrometer-scale active plasmonic element by means of complementary computational and experimental methods. 14, 110-122 ○
- 60 Nanoscale Vibrational Spectroscopy in a Scanning Transmission Electron Microscope. **2023**, ○
- 59 Intelligent Surface-Enhanced Raman Scattering Sensor System for Virus Identification. **2022**, ○

- 58 Recent advances in tip-enhanced Raman spectroscopy probe designs. ○
- 57 Nanostructures for In Situ SERS Analysis of High-Temperature Processes. **2023**, 11, 21 ○
- 56 Coffee Ring Fabrication and Its Application in Aflatoxin Detection Based on SERS. **2023**, 11, 22 ○
- 55 Spontaneous Scattering of Raman Photons from Cavity-QED Systems in the Ultrastrong Coupling Regime. **2022**, 129, ○
- 54 Coupling Au-loaded magnetic frameworks to photonic crystal for the improvement of photothermal heating effect in SERS. **2023**, 13, 5002-5012 ○
- 53 Nanoplasmonic assay platforms for reproducible SERS detection of Alzheimer's disease biomarker. ○
- 52 Chemical Enhancement and Quenching in Single-Molecule Tip-Enhanced Raman Spectroscopy. ○
- 51 Nanomaterials for Surface Enhanced Raman Spectroscopy. **2023**, 13, 402 ○
- 50 New Model for Quantifying the Nanoparticle Concentration Using SERS Supported by Multimodal Mass Spectrometry. **2023**, 95, 2757-2764 ○
- 49 Surface Plasmon Resonance (SPR) Combined Technology: A Powerful Tool for Investigating Interface Phenomena. 2202202 ○
- 48 Infectious Diseases, Vibrational Spectroscopic Approaches to Rapid Diagnostics. **2012**, 57-73 ○
- 47 Raman Scattering and Other Multi-photon Processes. **2023**, 583-621 ○
- 46 Ultra-trace detection of diverse analyte molecules using femtosecond laser structured Ag/Au alloy substrates and SERRS. **2023**, 137, 113615 ○
- 45 Optical Processes behind Plasmonic Applications. **2023**, 13, 1270 ○
- 44 Industrial wastewater source tracing: The initiative of SERS spectral signature aided by a one-dimensional convolutional neural network. **2023**, 232, 119662 ○
- 43 Toward room-temperature optical manipulation of small molecules. **2023**, 55, 100582 ○
- 42 One-step surfactant-free photoreduction synthesis of single-crystal silver triangular nanoprisms by surface modified chemically patterned ferroelectric crystals for SERS application. **2023**, 623, 157114 ○
- 41 Influence of sandwich-type DNA construction strategy and plasmonic metal on signal generated by SERS DNA sensors. **2023**, 295, 122606 ○



40	Localized surface plasmon controlled chemistry at and beyond the nanoscale. <b>2023</b> , 4, 021301	0
39	Computational underpinnings for the dimerization of para-aminothiophenol to dimercaptoazobenzene on copper surface. <b>2023</b> , 571, 111910	0
38	Development of a micro-Raman system for in vivo studying the mechanism of laser biological effects. <b>2023</b> , 291, 122382	0
37	Amplification-free detection of HBV DNA mediated by CRISPR-Cas12a using surface-enhanced Raman spectroscopy. <b>2023</b> , 1245, 340864	0
36	Detection of Heavy Metals Resistance Genes and Effects of Iron Nanoparticles on the Gene Expression in Pseudomonas Aeruginosa Using Real-Time PCR. <b>2020</b> , 23, 1-13	0
35	Nanotechnology-Assisted Biosensors for the Detection of Viral Nucleic Acids: An Overview. <b>2023</b> , 13, 208	1
34	The Raman Active Vibrations of Flavone and Quercetin: The Impact of Conformers and Hydrogen Bonding on Fingerprint Modes. <b>2023</b> , 127, 1387-1394	0
33	Toward a New Era of SERS and TERS at the Nanometer Scale: From Fundamentals to Innovative Applications. <b>2023</b> , 123, 1552-1634	3
32	Concurrent surface enhanced infrared and Raman spectroscopy with single molecule sensitivity. <b>2023</b> , 94, 025103	0
31	Dynamic modulation of a surface-enhanced Raman scattering signal by a varying magnetic field. <b>2023</b> , 31, 12249	0
30	Encoding microcarriers for biomedicine. <b>2023</b> , 2,	0
29	Raman Spectroscopy for Hydrogen Production. 121-146	0
28	Nucleotide-Driven Molecular Sensing of Monkeypox Virus Through Hierarchical Self-Assembly of 2D Hafnium Disulfide Nanoplatelets and Gold Nanospheres. 2212569	0
27	Plasmon-Enhanced Raman Scattering by Multilayered Graphene at the Micro- and Nanoscale: SERS and TERS Analysis. <b>2023</b> , 127, 5013-5020	0
26	Biosensing Technologies: A Focus Review on Recent Advancements in Surface Plasmon Coupled Emission. <b>2023</b> , 14, 574	5
25	A comprehensive investigation of the plasmonic-photocatalytic properties of gold nanoparticles for CO <sub>2</sub> conversion to chemicals. <b>2023</b> , 15, 7051-7067	0
24	Does the chemical contribution have a secondary role in SERS?. <b>2023</b> , 40, C78	0
23	Plasmonic Au@Cu nanostructures: Synthesis and applications. 11,	0

- 22 Hyperdoped Si nanocrystals embedded in silica for infrared plasmonics. ○
- 21 Dual-Functional Solar-to-Steam Generation and SERS Detection Substrate Based on Plasmonic Nanostructure. **2023**, 13, 1003 ○
- 20 Evaluation of Surface-Enhanced Raman Scattering Substrate Consisting of Gold Nanoparticles Grown on Nanoarrays of Boehmite Fabricated using Magnetron Sputtering Process. **2022**, 35, 249-253 ○
- 19 Direct CVD Growth of Transferable 3D Graphene for Sensitive and Flexible SERS Sensor. **2023**, 13, 1029 ○
- 18 Au nanocakes as a SERS sensor for on site and ultrafast detection of dioxins. **2023**, 126, 103518 ○
- 17 Finite element analysis on the near field properties of metallic cavities with atomic sharpness. **2023**, 47, 106360 ○
- 16 Contribution of Subradiant Plasmon Resonance to Electromagnetic Enhancement in Resonant Raman with Fluorescence Examined by Single Silver Nanoparticle Dimers. **2023**, 127, 5886-5897 ○
- 15 Chemical conjugation to differentiate monosaccharides by Raman and surface enhanced Raman spectroscopy. ○
- 14 Ultraviolet-ozone concomitantly induced MoS<sub>2</sub>/MoO<sub>x</sub> heterostructures with improved SERS performance. **2023**, 25, 10820-10826 ○
- 13 Accurate Prediction of Electric Fields of Nanoparticles With Deep Learning Methods. **2023**, 8, 178-186 ○
- 12 The Challenges of Implementing Surface-enhanced Raman Scattering in Studies of Biological Systems. 1-48 ○
- 11 Insights into Chemical Changes Causing Transient Potential Patterns during Cobalt Electrodeposition: An Operando SHINERS Investigation. **2023**, 14, 3376-3383 ○
- 10 Strongly coupled Raman scattering enhancement revealed by scattering-type scanning near-field optical microscopy. **2023**, ○
- 9 Direct characterization of shear phonons in layered materials by mechano-Raman spectroscopy. ○
- 8 Surface plasmon enhanced fluorescence: self-consistent classical treatment in the quasi-static limit. **2023**, 11, 035002 ○
- 7 Fabry-Pérot Cavity Control for Tunable Raman Scattering. ○
- 6 Raman spectroscopy: Principles and recent applications in food safety. **2023**, ○
- 5 Spin-coated Ag NPs SERS substrate: trace detection study of methylene blue and melamine. **2023**, 129, ○

- 4 Tunable lipid-coated nanoporous silver sheet for characterization of protein-membrane interactions by surface-enhanced Raman scattering (SERS). ○
- 3 The overview of analytical methods for studying of fossil natural resins. 1-23 ○
- 2 Effect of Plasmonic Ag Nanoparticles on Emission Properties of Planar GaN Nanowires. **2023**, 13, 1421 ○
- 1 Recent development of surface-enhanced Raman scattering for biosensing. **2023**, 21, ○