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Localized surface plasmon resonance sensors

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2271	Virtual issue on plasmonics. 2011 , 5, 4245-8		13
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2268	Guiding light in monolayers of sparse and random plasmonic meta-atoms. 2011 , 5, 9179-86		23
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2266	Solid state photovoltaic cells based on localized surface plasmon-induced charge separation. 2011 , 99, 182110		103
2265	Tuning of localized surface plasmon resonance of well-ordered Ag/Au bimetallic nanodot arrays by laser interference lithography and thermal annealing. 2011 , 50, G74-9		22
2264	Plasmonic Mach-Zehnder interferometer for ultrasensitive on-chip biosensing. 2011 , 5, 9836-44		126
2263	Platinum Nanoparticles Prepared by Laser Ablation in Aqueous Solutions: Fabrication and Application to Laser Desorption Ionization. 2011 , 115, 22217-22224		34
2262	Nanoscale Architectures for Smart Bio-Interfaces: Advances and Challenges. 2011 ,		1
2261	Synthesis of ultrathin silver shell on gold core for reducing substrate effect of LSPR sensor. 2011 , 13, 1517-1520		28

2260	A systematic study of the synthesis of silver nanoplates: is citrate a "magic" reagent?. 2011 , 133, 18931-9	563
2259	Improved refractive-index sensitivity of silver-nanocube monolayers on silicon films. 2011 , 12, 2912-4	8
2258	Band-gap-dependent emissions from conjugated polymers coupled silver nanocap array. 2011 , 99, 233112	3
2257	Laser microprocessing and nanoengineering of large-area functional micro/nanostructures. 2011,	O
2256	Nanobiosensors Based on Localized Surface Plasmon Resonance for Biomarker Detection. 2012 , 2012, 1-13	64
2255	Theoretical limit of localized surface plasmon resonance sensitivity to local refractive index change and its comparison to conventional surface plasmon resonance sensor. 2012 , 29, 994-1002	71
2254	Spectral response of nanocrystalline ZnO films embedded with Au nanoparticles. 2012 , 29, 3317	5
2253	Extinction spectra and near-field enhancement of metallic nanoparticles. 2012,	
2252	Enhanced localized plasmonic detections using partially-embedded gold nanoparticles and ellipsometric measurements. 2012 , 3, 899-910	35
2251	High-resolution biosensor based on localized surface plasmons. 2012 , 20, 672-80	85
2250	Local-field enhancement effect on the nonlinear optical response of gold-silver nanoplanets. 2012 , 20, 4537-47	58
2249	Simultaneous measurements of absorption spectrum and refractive index in a microfluidic system. 2012 , 20, 4653-62	6
2248	Spectral shifts in optical nanoantenna-enhanced hydrogen sensors. 2012 , 2, 111	55
2247	Cabrera-Mott kinetics of oxidation of metal nanowires. 2012 , 100, 243105	15
2246	Site-controlled Ag nanocrystals grown by molecular beam epitaxyllowards plasmonic integration technology. 2012 , 112, 124302	1
2245	High sensitivity localized surface plasmon resonance sensor of gold nanoparticles: Surface density effect for detection of boric acid. 2012 ,	3
2244	Gold nanoring as a sensitive plasmonic biosensor for on-chip DNA detection. 2012 , 100, 173114	114
2243	Two-dimensional angularly selective optical properties of gold nanoshell with holes. 2012 , 20, 14614-20	9

2242	Fluorescence quenching near small metal nanoparticles. 2012 , 136, 204701	51
2241	Study of Surface Raman and Fluorescence Enhancement of RhB Molecules Adsorbed on Au Nanoparticles. 2012 , 20, 33-41	3
2240	Controllable Excitation of Surface Plasmons in End-to-Trunk Coupled Silver Nanowire Structures. 2012 , 29, 077302	5
2239	Reflectance and surface enhanced Raman scattering (SERS) of sculptured silver films deposited at various vapor incident angles. 2012 , 23, 084007	7
2238	Nanowire-based plasmonic waveguides and devices for integrated nanophotonic circuits. 2012 , 1, 155-169	96
2237	Gold Nanoparticles. 2012 , 1	
2236	Characterization and performance of commercial localized surface plasmon resonance chips. 2012,	1
2235	Photoelectrochemical Responses from Polymer-coated Plasmonic Copper Nanoparticles on TiO2. 2012 , 41, 1340-1342	41
2234	PREPARATION OF CORE-SHELL SILVER/SILICA NANOPATICLES AND THEIR APPLICATION FOR ENHANCEMENT OF CYANINE 3 FLUORESCENCE. 2012 , 11, 1240020	2
2233	Optical Scattering Spectral Thermometry and Refractometry of a Single Gold Nanoparticle under CW Laser Excitation. 2012 , 116, 15458-15466	60
2232	Near-Field Interactions between Metal Nanoparticle Surface Plasmons and Molecular Excitons in Thin-Films. Part I: Absorption. 2012 , 116, 24206-24214	17
2231	Sensitive localized surface plasmon resonance multiplexing protocols. 2012 , 84, 8020-7	34
2230	Polymer nanofibers embedded with aligned gold nanorods: a new platform for plasmonic studies and optical sensing. 2012 , 12, 3145-50	149
2229	A quantitative study of the environmental effects on the optical response of gold nanorods. 2012 , 6, 8183-93	51
2228	Tunable plasmonic nanostructures from noble metal nanoparticles and stimuli-responsive polymers. 2012 , 8, 5980	98
2227	Membrane-protein binding measured with solution-phase plasmonic nanocube sensors. 2012 , 9, 1189-91	78
2226	Analytical methods for tracing plant hormones. 2012 , 403, 55-74	78
2225	Nonlinear light scattering and spectroscopy of particles and droplets in liquids. 2012 , 63, 353-78	177

2224	Sensing using localised surface plasmon resonance sensors. 2012 , 48, 8999-9010	219
2223	Plasmonic properties of silver nanocube monolayers on high refractive index substrates. 2012 , 109, 869-872	7
2222	Gold nanoparticle/charged silsesquioxane films immobilized onto Al/SiO2 surface applied on the electrooxidation of nitrite. 2012 , 16, 3703-3713	36
2221	Electrochemical synthesis of gold nanorods in track-etched polycarbonate membrane using removable mercury cathode. 2012 , 14, 1	7
2220	Modeling of enhanced absorption and Raman scattering caused by plasmonic nanoparticle near fields. 2012 , 113, 2573-2584	12
2219	Film based on Y2O3:Eu3+ (5mol% of Eu3+) for flat panel display. 2012 , 524, 299-303	16
2218	Preparation of carboxyl group-modified palladium nanoparticles in an aqueous solution and their conjugation with DNA. 2012 , 4, 3536-42	12
2217	Layer-by-layer structured Au NPs sensors for terpene vapors detection. 2012 ,	
2216	Detection of nitro explosives via LSPR sensitive silver clusters embedded in porous silica. 2012 , 22, 12474	9
2215	Optical properties of silver nanocrystal synthesized by a new srategies: Experiments supported by DDA calculation. 2012 ,	
2214	Antibody-functionalized polymer-coated gold nanoparticles targeting cancer cells: an in vitro and in vivo study. 2012 , 22, 21305	46
2213	Controlling surface plasmon interference in branched silver nanowire structures. 2012 , 4, 7149-54	22
2212	Excitation-Transfer Plasmonic Nanosensors Based on Dynamical Phase Transitions. 2012 , 116, 18937-18943	3
2211	Observation of absorption-dominated bonding dark plasmon mode from metal-insulator-metal nanodisk arrays fabricated by nanospherical-lens lithography. 2012 , 6, 3390-6	84
2210	Plasmon-Assisted Enhancement of the Ultraweak Chemiluminescence Using Cu/Ni Metal Nanoparticles. 2012 , 116, 14796-14803	31
2209	Multi-mode localized surface plasmon resonance sensors for compensation of interfering effects. 2012 ,	1
2208	Nanostructures for plasmonic solar cells and biosensing. 2012,	
2207	Gold nano particles catalyzed oxidation of hydrazine by a metallo-superoxide complex: experimental evidences for surface activity of gold nano particles. 2012 , 41, 4641-8	18

2206	Nanoplasmonic sensing of metal-halide complex formation and the electric double layer capacitor. 2012 , 4, 2339-51	47
2205	Nanomaterials for targeted detection and photothermal killing of bacteria. 2012 , 41, 3193-209	324
2204	The Effect of Composition, Morphology, and Susceptibility on Nonlinear Light Scattering from Metallic and Dielectric Nanoparticles. 2012 , 3, 2877-2881	40
2203	Size-controlled synthesis of Au/Pd octopods with high refractive index sensitivity. 2012 , 28, 9055-62	57
2202	Bioplasmonic paper as a platform for detection of kidney cancer biomarkers. 2012 , 84, 9928-34	86
2201	Damping of Plasmons of Closely Coupled Sphere Chains Due to Disordered Gaps. 2012 , 116, 1335-1343	5
2200	Frequency shifts in SERS for biosensing. 2012 , 6, 4892-902	107
2199	Plasmas meet plasmonics. 2012 , 66, 1	25
2198	Surface plasmon resonance properties of single elongated nano-objects: gold nanobipyramids and nanorods. 2012 , 28, 9027-33	69
2197	Designing Efficient Localized Surface Plasmon Resonance-Based Sensing Platforms: Optimization of Sensor Response by Controlling the Edge Length of Gold Nanoprisms. 2012 , 116, 20990-21000	48
2196	Optical Extinction Properties of Perforated Gold-Silica-Gold Multilayer Nanoshells. 2012 , 116, 10349-10355	25
2195	Controlling the degree of polymerization, bond lengths, and bond angles of plasmonic polymers. 2012 , 134, 18853-9	61
2194	Plasmonic Nanoparticles Array for High-Sensitivity Sensing: A Theoretical Investigation. 2012 , 116, 17819-178	2 7 5
2193	Fabrication of Large-Area, High-Enhancement SERS Substrates with Tunable Interparticle Spacing and Application in Identifying Microorganisms at the Single Cell Level. 2012 , 116, 3320-3328	28
2192	Electrochemical surface plasmon resonance measurement based on gold nanohole array fabricated by nanoimprinting technique. 2012 , 84, 3187-91	44
2191	Measuring binding of protein to gel-bound ligands using magnetic levitation. 2012 , 134, 5637-46	53
2190	Tapered optical fiber sensor based on localized surface plasmon resonance. 2012 , 20, 21693-701	133
2189	Portable mercury sensor for tap water using surface plasmon resonance of immobilized gold nanorods. 2012 , 99, 180-5	25

2188	A plasmonic Fano switch. 2012 , 12, 4977-82	291
2187	Size-dependent transformation from Ag templates to AuAg nanoshells via galvanic replacement reaction in organic medium. 2012 , 14, 1	11
2186	Organization of Metal Nanoparticles for Surface-Enhanced Spectroscopy: A Difference in Size Matters. 2012 , 116, 21982-21991	26
2185	Fabrication of single gold particle arrays with pattern directed electrochemical deposition. 2012 , 4, 3779-83	11
2184	Synthesis and bioanalytical applications of specific-shaped metallic nanostructures: a review. 2012 , 716, 76-91	59
2183	Fiber optic particle plasmon resonance sensor based on plasmonic light scattering interrogation. 2012 , 524, 705-712	2
2182	Transformation from Silver Nanoprisms to Nanodecahedra in a Temperature-Controlled Photomediated Synthesis. 2012 , 116, 24268-24273	26
2181	Improved vapor selectivity and stability of localized surface plasmon resonance with a surfactant-coated Au nanoparticles film. 2012 , 84, 4886-92	25
2180	Nuclease cleavage-assisted target recycling for signal amplification of free-label impedimetric aptasensors. 2012 , 48, 2627-9	27
2179	Visual determination of Cu2+ through copper-catalysed in situ formation of Ag nanoparticles. 2012 , 137, 4516-23	17
2178	LSPR Imaging of Silver Triangular Nanoprisms: Correlating Scattering with Structure Using Electrodynamics for Plasmon Lifetime Analysis. 2012 , 116, 393-403	82
2177	Nanoplasmonic Array Enhancement of Two-Photon Absorption in a Dye Film. 2012 , 116, 17169-17173	7
2176	Self-assembled plasmonic vesicles of SERS-encoded amphiphilic gold nanoparticles for cancer cell targeting and traceable intracellular drug delivery. 2012 , 134, 13458-69	369
2175	Future Directions: Nanoplasmonic Sensing Tomorrow. 2012 , 385-387	1
2174	Nanoplasmonic detection of adenosine triphosphate by aptamer regulated self-catalytic growth of single gold nanoparticles. 2012 , 48, 9574-6	48
2173	High-sensitivity nanosensors for biomarker detection. 2012 , 41, 2641-55	232
2172	Size matters: problems and advantages associated with highly miniaturized sensors. 2012 , 12, 3018-36	66
2171	Gold nanorods as plasmonic nanotransducers: distance-dependent refractive index sensitivity. 2012 , 28, 17435-42	96

2170	Optimizing Refractive Index Sensitivity of Supported Silver Nanocube Monolayers. 2012, 116, 185-192	38
2169	Immobilization strategies and analytical applications for metallic and metal-oxide nanomaterials on surfaces. 2012 , 40, 90-105	56
2168	Gold nanoparticle-based optical probes for sensing aminothiols. 2012 , 40, 64-76	42
2167	A colorimetric probe for the rapid and selective determination of mercury(II) based on the disassembly of gold nanorods. 2012 , 179, 345-350	29
2166	Shape-dependent surface-enhanced Raman scattering in gold-Raman probe-silica sandwiched nanoparticles for biocompatible applications. 2012 , 23, 115501	142
2165	Plasmonic near-electric field enhancement effects in ultrafast photoelectron emission: correlated spatial and laser polarization microscopy studies of individual Ag nanocubes. 2012 , 12, 4823-9	59
2164	Nanomaterial Applications in Optical Transduction. 2012 , 454-472	2
2163	Gold Branched Nanoparticles for Cellular Treatments. 2012 , 116, 18407-18418	41
2162	Plasmon-enhanced refractometry using silver nanowire coatings on tilted fibre Bragg gratings. 2012 , 23, 444012	28
2161	Correlating the structure and localized surface plasmon resonance of single silver right bipyramids. 2012 , 23, 444005	44
2160	A facile synthesis of branched silver nanowire structures and its applications in surface-enhanced Raman scattering. 2012 , 7, 521-526	19
2159	Metal ion redox potential plays an important role in high-yield synthesis of monodisperse silver nanoparticles. 2012 , 48, 4728-30	30
2158	Electrochemical aging of silver nanoparticles and its effects on bio-chemical sensing properties. 2012 , 4, 2381	4
2157	Synthesis of Silver Nanoparticles with Monovalently Functionalized Self-Assembled Monolayers. 2012 , 65, 275	9
2156	Exploring the Optical Potential of Nano-Bismuth: Tunable Surface Plasmon Resonances in the Near Ultraviolet-to-Near Infrared Range. 2012 , 116, 20530-20539	147
2155	MEs in Nano-Medicine. 2012 , 134, 36-41	
2154	Low-Dimensional Metals and Semiconductors. 2012 , 63-117	
2153	Gold nanoparticles in biomedical applications: recent advances and perspectives. 2012 , 41, 2256-82	1419

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2152	The golden age: gold nanoparticles for biomedicine. 2012 , 41, 2740-79	2437
2151	Plasmonic coupling in gold nanoring dimers: observation of coupled bonding mode. 2012 , 12, 1648-54	140
2150	Plasmon Length: A Universal Parameter to Describe Size Effects in Gold Nanoparticles. 2012 , 3, 1479-83	156
2149	Facile synthesis of functional Au nanopatches and nanocups. 2012 , 48, 7344-6	27
2148	Chrominance to dimension: a real-time method for measuring the size of single gold nanoparticles. 2012 , 84, 4284-91	107
2147	Optical antennas as nanoscale resonators. 2012 , 4, 692-706	94
2146	Affinity analysis of DNA aptamer-peptide interactions using gold nanoparticles. 2012, 421, 725-31	31
2145	Optical detection of single non-absorbing molecules using the surface plasmon resonance of a gold nanorod. 2012 , 7, 379-82	551
2144	Morphology control of 1D noble metal nano/heterostructures towards multi-functionality. 2012 , 22, 8671	16
2143	Gold nanoparticle-enabled biological and chemical detection and analysis. 2012 , 41, 2849-66	557
2142	Resonance scattering particles as biological nanosensors in vitro and in vivo. 2012 , 41, 632-42	148
2141	Molecular plasmonics for biology and nanomedicine. 2012 , 7, 751-70	96
2 140	Full-color tuning of surface plasmon resonance by compositional variation of Au@Ag core-shell nanocubes with sulfides. 2012 , 28, 9003-9	64
2139	Unraveling the evolution and nature of the plasmons in (Au core)-(Ag shell) nanorods. 2012 , 24, OP200-7	202
2138	Heat-Assisted Electrodissolution of Platinum in an Ionic Liquid. 2012 , 124, 1716-1720	4
2137	Chemical Interface Damping in Single Gold Nanorods and Its Near Elimination by Tip-Specific Functionalization. 2012 , 124, 8477-8480	12
2136	Chemical interface damping in single gold nanorods and its near elimination by tip-specific functionalization. 2012 , 51, 8352-5	92
2135	Polarization-dependent SERS at differently oriented single gold nanorods. 2012 , 13, 952-8	19

2134	Three-dimensional photoluminescence mapping and emission anisotropy of single gold nanorods. 2012 , 100, 263102	42
2133	Plasmon Singularities from Metal Nanoparticles in Active Media: Influence of Particle Shape on the Gain Threshold. 2012 , 7, 347-351	15
2132	Nanofabrication for the analysis and manipulation of membranes. 2012 , 40, 1356-66	5
2131	Characterization of localized surface plasmon resonance transducers produced from Au(25) nanoparticle multilayers. 2012 , 402, 146-151	7
2130	Double-potentiostatic electrodeposition of Ag nanoflowers on ITO glass for reproducible surface-enhanced (resonance) Raman scattering application. 2012 , 67, 12-17	17
2129	LSPR biomolecular assay with high sensitivity induced by aptamer-antigen-antibody sandwich complex. 2012 , 31, 567-70	75
2128	Refractive index sensitivity of gold double concentric nanoshells: Tuning the intensity discrepancy of two-band plasmonic absorption. 2012 , 161, 1129-1134	8
2127	Studies on the interaction of pulsed lasers with plasmonic gold nanoparticles toward light manipulation, heat management, and nanofabrication. 2012 , 13, 28-54	249
2126	Comparative study on the far-field spectra and near-field amplitudes for silver and gold nanocubes irradiated at 514, 633 and 785 nm as a function of the edge length. 2012 , 66, 1	19
2125	Heat-assisted electrodissolution of platinum in an ionic liquid. 2012 , 51, 1684-8	31
2124	Multiplexed dot immunoassay using Ag nanocubes, Au/Ag alloy nanoparticles, and Au/Ag nanocages. 2012 , 5, 124-134	37
2123	Electrochemical plasmonic sensors. 2012 , 402, 1773-84	61
2122	Localized surface plasmon resonance investigations of photoswitching in azobenzene-functionalized self-assembled monolayers on Au. 2013 , 29, 10693-9	12
2121	Dual Control of Interparticle Forces in Assembly of Gold Nanoparticles. 2013 , 78, 506-514	6
2120	A large-scale sub-100 nm Au nanodisk array fabricated using nanospherical-lens lithography: a low-cost localized surface plasmon resonance sensor. 2013 , 24, 095302	28
2119	High-Resolution Imaging of Electric Field Enhancement and Energy-Transfer Quenching by a Single Silver Nanowire Using QD-Modified AFM Tips. 2013 , 4, 2284-2291	7
2118	Reduced linewidth multipolar plasmon resonances in metal nanorods and related applications. 2013 , 5, 6985-91	60
2117	A large-scale nonlinear eigensolver for the analysis of dispersive nanostructures. 2013 , 184, 1898-1906	1

2116	Amorphous Nanophotonics. 2013,	17
2115	Coagulation induced attenuation of plasmonic absorption of Au nanorods: Application in ultra sensitive detection of alpha-fetoprotein. 2013 , 188, 318-325	5
2114	Unidirectional side scattering of light by a single-element nanoantenna. 2013 , 13, 3843-9	117
2113	Plasmon Hybridization and Field Confinement in Multilayer MetalDielectric Nanocups. 2013, 117, 15782-1578	9 ₁₄
2112	Plasmonic metal-to-semiconductor switching in Au nanorod-ZnO nanocomposite films. 2013 , 5, 7693-7	22
2111	Effect of rapid thermal annealing time on Au/SiOx film prepared by hot wire assisted plasma enhanced chemical vapour deposition technique. 2013 , 140, 37-41	5
2110	Ordered two-dimensional ensembles of nanoparticles with Au-core/Ag-shell structure. Optical and sensor properties. 2013 , 75, 351-355	1
2109	Synthesis of highly branched gold nanodendrites with a narrow size distribution and tunable NIR and SERS using a multiamine surfactant. 2013 , 5, 6886-92	47
2108	Size-controlled synthesis of gold bipyramids using an aqueous mixture of CTAC and salicylate anions as the soft template. 2013 , 5, 6708-12	25
2107	Search of Extremely Sensitive Near-Infrared Plasmonic Interfaces: A Theoretical Study. 2013 , 8, 1691-1698	5
2106	Plasmonic Ag nanoparticles via environment-benign atmospheric microplasma electrochemistry. 2013 , 24, 095604	54
2105	Plasmonic phase transition and phase retardation: essential optical characteristics of localized surface plasmon resonance. 2013 , 5, 9950-6	15
2104	Structural colour in colourimetric sensors and indicators. 2013 , 1, 6075	90
2103	Functionalized Gold Nanoparticles as an Approach to the Direct Colorimetric Detection of DCNP Nerve Agent Simulant. 2013 , 2013, 4770-4779	17
2102	One Step Chemical Synthesis of Ag-Fe\$_3\$O \$_4\$ Heterodimer Nanoparticles: Optical, Structure, and Magnetic Properties. 2013 , 49, 4606-4609	2
2101	Plasmonic gold mushroom arrays with refractive index sensing figures of merit approaching the theoretical limit. 2013 , 4, 2381	496
2100	Ultrasensitive determination of copper in complex biological media based on modulation of plasmonic properties of gold nanorods. 2013 , 85, 9142-7	18
2099	Seeding Bimetallic Nanostructures as a New Class of Plasmonic Colloids. 2013 , 4, 3072-3082	72

2098	DNA detection using plasmonic enhanced near-infrared photoluminescence of gallium arsenide. 2013 , 85, 9522-7	31
2097	All-semiconductor plasmonic nanoantennas for infrared sensing. 2013 , 13, 4569-74	118
2096	Plasmonic Biosensor Based on Triangular Au/Ag and Au/Ag/Au Core/Shell Nanoprisms onto Indium Tin Oxide Glass. 2013 , 8, 1577-1583	16
2095	Surface Plasmon-Enhanced Spontaneous Emission from InGaN/GaN Multiple Quantum Wells by Indium Nanoparticles Fabricated Using Nanosphere Lithography. 2013 , 8, 1395-1400	4
2094	Refractive-Index Sensing with Ultrathin Plasmonic Nanotubes. 2013 , 8, 193-199	59
2093	Eigenmode Decomposition of the Near-Field Enhancement in Localized Surface Plasmon Resonances of Metallic Nanoparticles. 2013 , 8, 391-402	17
2092	Determination of Fundamental Morphological Parameters of Supported Nanoparticle Ensembles. 2013 , 8, 435-448	2
2091	Trapping Proteins within Gold Nanoparticle Assemblies: Dynamically Tunable Hot-spots for Nanobiosensing. 2013 , 8, 537-544	14
2090	Effect of Edge Rounding on the Extinction Properties of Hollow Metal Nanoparticles. 2013, 8, 955-962	16
2089	Slab Thickness Dependence of Localized Surface Plasmon Resonance Behavior in Gold Nanorings. 2013 , 8, 1011-1016	8
2088	Localized surface plasmon resonance detection of biological toxins using cell surface oligosaccharides on glyco chips. 2013 , 5, 4173-80	48
2087	Surface Plasmon Coupling of Compositionally Heterogeneous Core-Satellite Nanoassemblies. 2013 , 4, 1371-8	56
2086	Colorimetric sensors using nano-patch surface plasmon resonators. 2013 , 24, 355501	22
2085	Nanoparticle fabrication by geometrically confined nanosphere lithography. 2013 , 12, 031106	5
2084	Multicolor Microscopy and Spectroscopy Reveals the Physics of the One-Photon Luminescence in Gold Nanorods. 2013 , 117, 17870-17877	54
2083	Effect of Ag nanoparticle size on the photoelectrochemical properties of Ag decorated TiO2 nanotube arrays. 2013 , 554, 72-79	113
2082	Development of a label-free and reagentless plasmonic immunosensor for the detection of salbutamol. 2013 , 5, 5222	9
2081	Template-assisted deposition of CTAB-functionalized gold nanoparticles with nanoscale resolution. 2013 , 394, 237-42	8

(2013-2013)

2080	Poly(ethylene glycol)- and carboxylate-functionalized gold nanoparticles using polymer linkages: single-step synthesis, high stability, and plasmonic detection of proteins. 2013 , 29, 13518-26	21
2079	Polyhedral Au-Pd core-shell nanocrystals as highly spectrally responsive and reusable hydrogen sensors in aqueous solution. 2013 , 52, 12709-13	67
2078	Silica-coated gold nanorod arrays for nanoplasmonics devices. 2013 , 29, 12633-7	14
2077	Birth of the localized surface plasmon resonance in monolayer-protected gold nanoclusters. 2013 , 7, 10263-70	202
2076	A simple and fast colorimetric method for detection of hydrazine in water samples based on formation of gold nanoparticles as a colorimetric probe. 2013 , 182, 706-710	46
2075	Real-time monitoring of electrochemical controlled protein adsorption by a plasmonic nanowire based sensor. 2013 , 49, 8326-8	16
2074	Biodegradable theranostic plasmonic vesicles of amphiphilic gold nanorods. 2013, 7, 9947-60	153
2073	Plasmonic interferometric sensor arrays for high-performance label-free biomolecular detection. 2013 , 13, 4755-64	75
2072	Localized surface plasmon resonance: a unique property of plasmonic nanoparticles for nucleic acid detection. 2013 , 5, 12043-71	105
2071	Temperature-Controlled Reversible Localized Surface Plasmon Resonance Response of Polymer-Functionalized Gold Nanoprisms in the Solid State. 2013 , 117, 26228-26237	34
2070	Whispering gallery mode and surface plasmon resonance based refractometric sensors. 2013,	1
2069	Optimization of gold nanoring arrays for biosensing in the fiber-optic communication window. 2013 , 24, 465502	9
2068	Introduction. 2013 , 1-45	12
2067	An angular fluidic channel for prism-free surface-plasmon-assisted fluorescence capturing. 2013 , 4, 2855	62
2066	Plasmonische Synthese von metallischen Nanostrukturen. 2013 , 125, 14158-14189	15
2065	Plasmon-mediated syntheses of metallic nanostructures. 2013 , 52, 13910-40	156
2064	Tuning the plasmon shift and local electric field distribution of gold nanodumbbell: The effect of surface curvature transition from positive to negative. 2013 , 285, 649-656	10
2063	The study of the possibility of gold hydrosol stabilization with nonthiolated homooligonucleotides with different lengths and sequences. 2013 , 75, 600-605	2

2062	A facile and cost-effective TEM grid approach to design gold nano-structured substrates for high throughput plasmonic sensitive detection of biomolecules. 2013 , 138, 1015-9	11
2061	All-in-one optical heater-thermometer nanoplatform operative from 300 to 2000 k based on Er(3+) emission and blackbody radiation. 2013 , 25, 4868-74	219
2060	Chemisorption assembly of Au nanorods on mercaptosilanized glass substrate for label-free nanoplasmon biochip. 2013 , 796, 122-9	22
2059	A generalized electrodynamics model for surface enhanced Raman scattering and enhanced/quenched fluorescence calculations. 2013 , 3, 21489	10
2058	Self-doping and surface plasmon modification induced visible light photocatalysis of BiOCl. 2013 , 5, 10573-81	207
2057	Circular magnetoplasmonic modes in gold nanoparticles. 2013 , 13, 4785-9	86
2056	Rapid continuous flow synthesis of high-quality silver nanocubes and nanospheres. 2013 , 3, 22397	22
2055	Diffusion and adsorption of dye molecules in mesoporous TiO2 photoelectrodes studied by indirect nanoplasmonic sensing. 2013 , 6, 3627	15
2054	Noble Metal Nanostructures Influence of Structure and Environment on Their Optical Properties. 2013 , 2013, 1-15	59
2053	Nanostructure shape effects on response of plasmonic aptamer sensors. 2013 , 26, 402-7	12
2052	Polyhedral Au P d Core B hell Nanocrystals as Highly Spectrally Responsive and Reusable Hydrogen Sensors in Aqueous Solution. 2013 , 125, 12941-12945	5
2051	Localized surface plasmon-enhanced nanosensor platform using dual-responsive polymer nanocomposites. 2013 , 5, 7403-9	14
2050	Protein-modified silver nanoplates for the complementary analytical method of localised surface plasmon resonance and matrix assisted laser desorption/ionisation mass spectrometry. 2013 , 5, 5031	2
2049	Shape-selective growth of silver nanoparticles under continuous flow photochemical conditions. 2013 , 49, 84-6	29
2048	Sensing properties of plasmonic ring resonators. 2013,	
2047	Formation of one-dimensional Ag-Au solid solution colloids with Au nanorods as seeds, their alloying mechanisms, and surface plasmon resonances. 2013 , 5, 561-9	15
2046	T-matrix method in plasmonics: An overview. 2013 , 123, 184-217	77
2045	SERS in Ordered Array of Geometrically Controlled Nanodots Obtained Using Anodic Porous Alumina. 2013 , 117, 2531-2534	40

(2013-2013)

	Titanium Dioxide Photoelectrode. 2013 , 117, 2494-2499	84
2043	Fine control of nanoparticle sizes and size distributions: temperature and ligand effects on the digestive ripening process. 2013 , 5, 1768-71	39
2042	Gold nanorods and their plasmonic properties. 2013 , 42, 2679-724	1330
2041	Hybrid Plasmonic Structures: Design and Fabrication by Laser Means. 2013 , 19, 4600309-4600309	12
2040	Molecularly imprinted polymer coated Au nanoparticle sensor for ⊕inene vapor detection. 2013,	5
2039	Synthesis of hollow gold nanoparticles on the surface of indium tin oxide glass and their application for plasmonic biosensor. 2013 , 110, 72-7	11
2038	Surface-induced structural transformation in nanowires. 2013 , 74, 173-209	22
2037	Plasmonic luminescent core-shell nanocomposites-enhanced chemiluminescence arising from the decomposition of peroxomonosulfite. 2013 , 116, 355-60	12
2036	Effect of the Dielectric Core and Embedding Medium on the Second Harmonic Generation from Plasmonic Nanoshells: Tunability and Sensing. 2013 , 117, 1172-1177	27
2035	Novel Plasmonic Structures Based on Gold Nanobelts. 2013 , 117, 4734-4739	5
2035	Capping-agent-free synthesis of substrate-supported porous icosahedral gold panoparticles. 2013	7
	Capping-agent-free synthesis of substrate-supported porous icosahedral gold nanoparticles. 2013 ,	
2034	Capping-agent-free synthesis of substrate-supported porous icosahedral gold nanoparticles. 2013 , 5, 2983-9 Optical Properties of a Particle above a Dielectric Interface: Cross Sections, Benchmark Calculations, and Analysis of the Intrinsic Substrate Effects. 2013 , 117, 6383-6398	7
2034 2033 2032	Capping-agent-free synthesis of substrate-supported porous icosahedral gold nanoparticles. 2013, 5, 2983-9 Optical Properties of a Particle above a Dielectric Interface: Cross Sections, Benchmark Calculations, and Analysis of the Intrinsic Substrate Effects. 2013, 117, 6383-6398	7
2034 2033 2032 2031	Capping-agent-free synthesis of substrate-supported porous icosahedral gold nanoparticles. 2013, 5, 2983-9 Optical Properties of a Particle above a Dielectric Interface: Cross Sections, Benchmark Calculations, and Analysis of the Intrinsic Substrate Effects. 2013, 117, 6383-6398 Plasmons in Molecules. 2013, 117, 1863-1878	7 38 105
2034 2033 2032 2031	Capping-agent-free synthesis of substrate-supported porous icosahedral gold nanoparticles. 2013, 5, 2983-9 Optical Properties of a Particle above a Dielectric Interface: Cross Sections, Benchmark Calculations, and Analysis of the Intrinsic Substrate Effects. 2013, 117, 6383-6398 Plasmons in Molecules. 2013, 117, 1863-1878 Sensing dielectric media on the nanoscale with freely oriented gold nanorods. 2013, 15, 5407-14 Multiplexed sensing and imaging with colloidal nano- and microparticles. 2013, 6, 53-81	7 38 105
2034 2033 2032 2031 2030	Capping-agent-free synthesis of substrate-supported porous icosahedral gold nanoparticles. 2013, 5, 2983-9 Optical Properties of a Particle above a Dielectric Interface: Cross Sections, Benchmark Calculations, and Analysis of the Intrinsic Substrate Effects. 2013, 117, 6383-6398 Plasmons in Molecules. 2013, 117, 1863-1878 Sensing dielectric media on the nanoscale with freely oriented gold nanorods. 2013, 15, 5407-14 Multiplexed sensing and imaging with colloidal nano- and microparticles. 2013, 6, 53-81	7 38 105 4

2026	Plasmonic nanorice antenna on triangle nanoarray for surface-enhanced Raman scattering detection of hepatitis B virus DNA. 2013 , 85, 2072-8	128
2025	Nanostructured Sensors for Detection of Heavy Metals: A Review. 2013 , 1, 713-723	372
2024	Optical Properties of Au Nanoparticles Included in Mesoporous TiO2 Thin Films: A Dual Experimental and Modeling Study. 2013 , 117, 7246-7259	34
2023	Dual Polarization Measurements in the Hybrid Plasmonic Biosensors. 2013 , 8, 465-473	28
2022	Surfactant-free solution-based synthesis of metallic nanoparticles toward efficient use of the nanoparticlessurfaces and their application in catalysis and chemo-/biosensing. 2013 , 2, 5-25	33
2021	Synergistic switching of plasmonic resonances and molecular spin states. 2013 , 5, 5288-93	29
2020	Ultrathin gold-shell coated silver nanoparticles onto a glass platform for improvement of plasmonic sensors. 2013 , 5, 2392-9	43
2019	'Phytochip': on-chip detection of phytopathogenic RNA viruses by a new surface plasmon resonance platform. 2013 , 189, 80-6	16
2018	Nanopatterned Substrates Increase Surface Sensitivity for Real-Time Biosensing. 2013 , 117, 5286-5292	16
2017	Monitoring controlled release of payload from gold nanocages using surface enhanced Raman scattering. 2013 , 7, 4252-60	92
2016	Recent progress in nanosensors for sensitive detection of biomolecules. 2013 , 5, 3589-600	63
2015	Quantum dot-metallic nanorod sensors via exciton-plasmon interaction. 2013 , 24, 015502	34
2014	Near-infrared light-responsive vesicles of Au nanoflowers. 2013 , 49, 576-8	53
2013	In Situ Doping[Inverse Silica Opals with Size-Controllable Gold Nanoparticles for Refractive Index Sensing. 2013 , 117, 9440-9445	45
2012	Modern surface plasmon resonance for bioanalytics and biophysics. 2013 , 15, 11190-216	130
2011	Comparison of the Binding of Polyvinylpyrrolidone and Polyethylene Oxide to Ag Surfaces: Elements of a Successful Structure-Directing Agent. 2013 , 117, 11444-11448	34
2010	Nanoplasmonic quantitative detection of intact viruses from unprocessed whole blood. 2013 , 7, 4733-45	129
2009	Ultraviolet and Visible Photochemistry of Methanol at 3D Mesoporous Networks: TiO2 and AulliO2. 2013 , 117, 15035-15049	42

2008	Periodic metallic nanostructures as plasmonic chemical sensors. 2013 , 29, 5638-49	163
2007	Benchmarking Common Approximations for Determining the Particle-Size Dependence of Adsorbate-Induced Localized Surface Plasmon Resonance Shifts. 2013 , 117, 14742-14750	4
2006	Preparation and application of triangular silver nanoplates/chitosan composite in surface plasmon resonance biosensing. 2013 , 769, 114-20	36
2005	Approach for plasmonic based DNA sensing: amplification of the wavelength shift and simultaneous detection of the plasmon modes of gold nanostructures. 2013 , 85, 3288-96	55
2004	New types of nanomaterials: powders of gold nanospheres, nanorods, nanostars, and gold-silver nanocages. 2013 , 8, 209-219	18
2003	Optimization of the refractive index plasmonic sensing of gold nanorods by non-uniform silver coating. 2013 , 183, 556-564	31
2002	Plasma nanoscience: from nano-solids in plasmas to nano-plasmas in solids. 2013 , 62, 113-224	443
2001	Hot Spot-Localized Artificial Antibodies for Label-Free Plasmonic Biosensing. 2013 , 23, 1789-1797	84
2000	Electrochemical Seed-Mediated Growth of Surface-Enhanced Raman Scattering Active Au(111)-Like Nanoparticles on Indium Tin Oxide Electrodes. 2013 , 117, 15817-15828	23
1999	Screening sensitive nanosensors via the investigation of shape-dependent localized surface plasmon resonance of single Ag nanoparticles. 2013 , 5, 7458-66	64
1998	Mechanism of morphology transformation during annealing of nanostructured gold films on glass. 2013 , 15, 4656-65	33
1997	Ultrasound assisted interfacial synthesis of gold nanocones. 2013 , 49, 987-9	27
1996	Optical properties of strongly interacting supported silver nanocube monolayers. 2013,	1
1995	Mass-Based Photothermal Comparison Among Gold Nanocrystals, PbS Nanocrystals, Organic Dyes, and Carbon Black. 2013 , 117, 8909-8915	73
1994	Terpene Detection Based on Localized Surface Plasma Resonance of Thiolate-Modified Au Nanoparticles. 2013 , 13, 1307-1314	18
1993	Photoswitchable interactions between photochromic organic diarylethene and surface plasmon resonance of gold nanoparticles in hybrid thin films. 2013 , 15, 9670-8	30
1992	Magnetic nanoparticle mediated enhancement of localized surface plasmon resonance for ultrasensitive bioanalytical assay in human blood plasma. 2013 , 85, 1431-9	74
1991	Nano-opto-electronics for biomedicine. 2013 , 58, 2521-2529	5

1990	Near-infrared light-mediated nanoplatforms for cancer thermo-chemotherapy and optical imaging. 2013 , 25, 3869-80	511
1989	Tubular waveguide evanescent field absorption biosensor based on particle plasmon resonance for multiplex label-free detection. 2013 , 41, 268-74	6
1988	A biosensor based on periodic arrays of gold nanodisks under normal transmission. 2013 , 189, 474-480	13
1987	Aggregation-Induced Enhancement Effect of Gold Nanoparticles on Triplet Excited State. 2013 , 117, 27088-27095	13
1986	Using the Localized Surface Plasmon Resonance of Gold Nanoparticles to Monitor Lipid Membrane Assembly and Protein Binding. 2013 , 117, 26725-26733	36
1985	Enhanced Sensitivity of Delocalized Plasmonic Nanostructures. 2013 , 117, 25693-25703	4
1984	Near-infrared absorption imaging and processing technologies based on gold nanorods. 2013 , 18, 307-312	1
1983	Optical Sensitivity Comparison of Multiblock GoldBilver Nanorods Toward Biomolecule Detection: Quadrupole Surface Plasmonic Detection of Dopamine. 2013 , 25, 919-926	25
1982	Manipulating the kinetics of seeded growth for edge-selective metal deposition and the formation of concave au nanocrystals. 2013 , 6, 1959-65	12
1981	Functionalized polymer nanofibers: a versatile platform for manipulating light at the nanoscale. 2013 , 2, e102-e102	198
1981 1980		198
1980	2013, 2, e102-e102 Increased detection sensitivity of surface plasmon sensors using oblique induced resonant	
1980 1979	2013, 2, e102-e102 Increased detection sensitivity of surface plasmon sensors using oblique induced resonant coupling. 2013, 38, 4962-5	8
1980 1979	Increased detection sensitivity of surface plasmon sensors using oblique induced resonant coupling. 2013, 38, 4962-5 New progress of plasmonics in complex metal nanostructures. 2013, 56, 2327-2336	8
1980 1979 1978	Increased detection sensitivity of surface plasmon sensors using oblique induced resonant coupling. 2013, 38, 4962-5 New progress of plasmonics in complex metal nanostructures. 2013, 56, 2327-2336 Layer-by-Layer Structured AuNP Sensors for Terpene Vapor Detection. 2013, 13, 4212-4219 Photoelectrochemical Analysis of Allowed and Forbidden Multipole Plasmon Modes of	8 8 11
1980 1979 1978	Increased detection sensitivity of surface plasmon sensors using oblique induced resonant coupling. 2013, 38, 4962-5 New progress of plasmonics in complex metal nanostructures. 2013, 56, 2327-2336 Layer-by-Layer Structured AuNP Sensors for Terpene Vapor Detection. 2013, 13, 4212-4219 Photoelectrochemical Analysis of Allowed and Forbidden Multipole Plasmon Modes of Polydisperse Ag Nanorods. 2013, 117, 2435-2441 Synthesis of Au Fluoride Nanodisk CoreBhellBhell	8 8 11 26
1980 1979 1978 1977	Increased detection sensitivity of surface plasmon sensors using oblique induced resonant coupling. 2013, 38, 4962-5 New progress of plasmonics in complex metal nanostructures. 2013, 56, 2327-2336 Layer-by-Layer Structured AuNP Sensors for Terpene Vapor Detection. 2013, 13, 4212-4219 Photoelectrochemical Analysis of Allowed and Forbidden Multipole Plasmon Modes of Polydisperse Ag Nanorods. 2013, 117, 2435-2441 Synthesis of Au Fluoride Nanodisk CoreBhellBhell Heteronanostructures. 2013, 117, 15253-15259	8 8 11 26

1972	Plasmonic interferometers for label-free multiplexed sensing. 2013 , 21, 5859-71	43
1971	Surface sensitivity of Rayleigh anomalies in metallic nanogratings. 2013 , 21, 23531-42	32
1970	Efficient coupling between dielectric waveguide modes and exterior plasmon whispering gallery modes. 2013 , 21, 31253-62	2
1969	Coupling of localized surface plasmons to U-shaped cavities for high-sensitivity and miniaturized detectors. 2013 , 21, 1531-40	11
1968	Tunable plasmon resonances and two-dimensional anisotropy of angular optical response of overlapped nanoshells. 2013 , 21, 7811-20	8
1967	Long-term stability of capped and buffered palladium-nickel thin films and nanostructures for plasmonic hydrogen sensing applications. 2013 , 3, 194	35
1966	Sensitive refractive index sensing with good operation angle polarization tolerance using a plasmonic split-ring resonator array with broken symmetry. 2013 , 46, 195104	4
1965	Mechanical affinity as a new metrics to evaluate binding events. 2013 , 32,	7
1964	In SituSynthesis and Deposition of Gold Nanoparticles with Different Morphologies on Glass and ITO Substrate by Ultrasonic Spray Pyrolysis. 2013 , 2013, 1-5	9
1963	Localized surface plasmon resonance with five-branched gold nanostars in a plastic optical fiber for bio-chemical sensor implementation. 2013 , 13, 14676-86	48
1962	Theory of resonance shifts of whispering gallery modes by arbitrary plasmonic nanoparticles. 2013 , 15, 083006	39
1961	Self-assembly Gold Nanoislands for Localized Surface Plasmon Resonance Biosensing. 2013 , 1566, 1	
1960	Multianalyte detection using fiber optic particle plasmon resonance sensor based on plasmonic light scattering interrogation. 2013 ,	
1959	Development of Plasmon Resonance Sensing Based on Alkylthiol-Coated Triangular Silver Nanoplates on Glass Plates. 2013 , 52, 04CK06	3
1958	Lighting up ultraviolet fluorescence from chicken albumen through plasmon resonance energy transfer of gold nanoparticles. 2013 , 3, 1505	12
1957	Integrated Si-based nanoplasmonic sensor with phase-sensitive angular interrogation. 2013 , 525, 431-436	7
1956	Tailoring the coupling between localized and propagating surface plasmons: realizing Fano-like interference and high-performance sensor. 2013 , 21, 10251-8	32
1955	Ion irradiation synthesis of AgAu bimetallic nanospheroids in SiO2 glass substrate with tunable surface plasmon resonance frequency. 2013 , 114, 054308	13

1954	MASS-producible low-cost AU nanostructure nanoplasmonic biosensor on optofluidic-portable platform. 2013 ,	1
1953	A high figure of merit localized surface plasmon sensor based on a gold nanograting on the top of a gold planar film. 2013 , 22, 104213	7
1952	The aspect ratio effect on plasmonic properties and biosensing of bonding mode in gold elliptical nanoring arrays. 2013 , 21, 14090-6	21
1951	Highly tunable propagating surface plasmons on supported silver nanowires. 2013 , 110, 4494-9	103
1950	Noble Metal Nanoparticles. 2013 , 303-388	24
1949	Centrifugal shape sorting and optical response of polyhedral gold nanoparticles. 2013 , 25, 4023-7	16
1948	Selective Cold Welding of Colloidal Gold Nanorods. 2013 , 30, 584-589	11
1947	Recent advances in bioprinting and applications for biosensing. 2014 , 4, 111-36	64
1946	Ordered Nanomaterial Thin Films via Supported Anodized Alumina Templates. 2014, 1,	14
1945	Mammalian cell growth on gold nanoparticle-decorated substrates is influenced by the nanoparticle coating. 2014 , 5, 2479-88	6
1944	Near-Infrared Properties of Hybridized Plasmonic Rectangular Split Nanorings. 2014 , 31, 067803	5
1943	Gold nanoparticles-reduced graphene oxide for localized surface plasmon resonance. 2014,	
1942	Far-field control of focusing plasmonic waves through disordered nanoholes. 2014 , 39, 5838-41	8
1941	Modeling the morphology-dependent optical properties of single and dimer Pt nanodendrite structures. 2014 , 108, 37004	
1940	High-order plasmon resonances in an Ag/Al 2 O 3 core/shell nanorice. 2014 , 23, 027303	7
1939	Novel sensing concept based on optical Tamm plasmon. 2014 , 22, 14524-9	63
1938	TiO2 modified with Ag nanoparticles synthesized via ultrasonic atomization-UV reduction and the use of kinetic models to determine the acetic acid photocatalytic degradation. 2014 , 321, 481-487	15
1937	Preparation and Photocatalytic Activity of Silver Doped TiO2 Nanotubes. 2014 , 618, 14-18	1

1936	Breakthroughs in Photonics 2013: Research Highlights on Biosensors Based on Plasmonic Nanostructures. 2014 , 6, 1-5	6
1935	Recent developments in optical detection technologies in lab-on-a-chip devices for biosensing applications. 2014 , 14, 15458-79	173
1934	Correlated structure-optical properties studies of plasmonic nanoparticles. 2014 , 522, 012006	4
1933	Optical fiber sensor based on localized surface plasmon resonance using silver nanoparticles photodeposited on the optical fiber end. 2014 , 14, 18701-10	74
1932	Solar light photocatalytic CO2 reduction: general considerations and selected bench-mark photocatalysts. 2014 , 15, 5246-62	105
1931	Au-NR/VO2-NP nanocomposites supported on glass substrates: microstructure and optical properties. 2014 , 16, 3068-3071	2
1930	Hybrid integrated label-free chemical and biological sensors. 2014 , 14, 5890-928	43
1929	Thickness controlled sol-gel silica films for plasmonic bio-sensing devices. 2014,	2
1928	LSPR and molecular imprinting based optical fiber sensor for detection of tetracycline. 2014,	
1927	Sensitivity enhancement through overlapping simultaneously excited Fano resonance modes of metallic-photonic-crystal sensors. 2014 , 22, 3296-305	5
1926	Silver nanomaterials for the detection of chemical and biological targets. 2014 , 3,	3
1925	Mapping the refractive index of optically transparent samples by means of optical nanoantenna attached to fiber microaxicon. 2014 , 22, 13146-54	1
1924	Vertically coupled plasmonic slot waveguide cavity for localized biosensing applications. 2014 , 22, 20871-80	20
1923	Control of the radiative properties via photon-plasmon interaction in Er3+ -Tm3+ -codoped tellurite glasses in the near infrared region. 2014 , 22, 21122-36	14
1922	Fourier plane imaging of scattering by gold nanoparticles fabricated using thermal stress and application to RI sensing. 2014 ,	
1921	Plasmon resonance mediated enhancement in Fabry-PEot cavity modes. 2014 , 104, 241112	16
1920	Nanowire-supported plasmonic waveguide for remote excitation of surface-enhanced Raman scattering. 2014 , 3, e199-e199	167
1919	Simultaneous sensing of light and sound velocities of fluids in a two-dimensional phoXonic crystal with defects. 2014 , 115, 134503	61

1918 . **2014**,

1917	Hydrogen Sulfide Detection Using a Gold Nanoparticle/Metalloprotein Based Probe. 2014 , 31, 088701	5
1916	Fluorescence excitation enhancement by Bloch surface wave in all-polymer one-dimensional photonic structure. 2014 , 105, 053303	25
1915	Characterization of gold nanoparticle films: Rutherford backscattering spectroscopy, scanning electron microscopy with image analysis, and atomic force microscopy. 2014 , 4, 107101	3
1914	Surface-enhanced Raman scattering (SERS)-based volatile organic compounds (VOCs) detection using plasmonic bimetallic nanogap substrate. 2014 , 117, 687-692	21
1913	Ultrasensitive Plasmonic Response of Bimetallic Au/Pd Nanostructures to Hydrogen. 2014 , 24, 7328-7337	51
1912	Growth of Monodisperse Gold Nanospheres with Diameters from 20 nm to 220 nm and Their Core/Satellite Nanostructures. 2014 , 2, 65-73	125
1911	Single-molecule pull-down (SiMPull) for new-age biochemistry: methodology and biochemical applications of single-molecule pull-down (SiMPull) for probing biomolecular interactions in crude cell extracts. 2014 , 36, 1109-19	16
1910	Plasmons in molecules: microscopic characterization based on orbital transitions and momentum conservation. 2014 , 141, 104101	25
1909	Shedding light on the extinction-enhancement duality in gold nanostar-enhanced Raman spectroscopy. 2014 , 53, 14115-9	64
1908	Gold crescent nanodisk array for nanoantenna-enhanced sensing in subwavelength areas. 2014 , 53, 7236-40	11
1907	Fano resonance properties of gold nanocrescent arrays. 2014 , 53, 6431-4	3
1906	Nanoparticle above a Dielectric Interface: Plasmon Hybridization Model, Comparison with the Dimer System, and against Exact Electrodynamics Calculations. 2014 , 118, 28118-28133	4
1905	Surface plasmon resonance: advances of label-free approaches in the analysis of biological samples. 2014 , 6, 3325-36	12
1904	DNA-assembled bimetallic plasmonic nanosensors. 2014 , 3, e226-e226	72
1903	Substrate-induced effects on the plasmonic properties of strongly coupled silver nanocubes. 2014 ,	
1902	Plasmonics with silver nanowires: plasmons affect the energy transfer. 2014 ,	1
1901	Investigation of the correlation between the bulk and surface sensing performance in plasmonic crystals. 2014 ,	1

1900 Novel sensing concept based on optical Tamm plasmon. **2014**,

1899 Plasmon and compositional mapping of plasmonic nanostructures. 2014 ,	2
1898 Plasmonic properties of silver nanocube monolayers deposited on thin metal films. 2014 ,	
1897 Challenges in resonant cavity biosensor design: collection efficiency and specificity. 2014 ,	
1896 Recent advances in plasmonic sensors. 2014 , 14, 7959-73	135
1895 Nanocrystalline materials: recent advances in crystallographic characterization techniques. 2014 , 1,	530-9 16
Effect of experimental conditions on size control of Au nanoparticles synthesized by atmospheric microplasma electrochemistry. 2014 , 9, 572	32
Dipole and quadrupole trapped modes within bi-periodic silicon particle array realizing three-channel refractive sensing. 2014 , 22, 31277-85	17
Localized surface plasmon resonances in nanostructures to enhance nonlinear vibrational spectroscopies: towards an astonishing molecular sensitivity. 2014 , 5, 2275-92	25
1891 Slow-light enhanced nanoscale plasmonic waveguide sensors and switches. 2014 ,	
Localized Surface Plasmon Resonance Sensor of Gold Nanoplates for Detection of Boric Acid. 2014 , 605, 356-359	4
Silver Nanocube Aggregates in Cylindrical Pores for Higher Refractive Index Plasmonic Sensing. 2014 , 31, 274-283	26
Zinc phthalocyanine-based water-soluble thiolated photosensitizer and its conjugates with gold nanoparticles: Synthesis and spectral properties. 2014 , 76, 539-545	6
$_{ m 1887}$ Localized biomolecular sensing enabled through plasmonic nanocavities. 2014 ,	
1886 Grafting of Gold Nanoparticles on Glass Using Sputtered Gold Interlayers. 2014 , 2014, 1-6	3
Silver-decorated titanium dioxide nanotube arrays with improved photocatalytic activity for visible light irradiation. 2014 , 29, 1302-1308	7
The sensing characteristics of plasmonic waveguide with a single defect. 2014 , 323, 44-48	39
A series of phosphorescent Cu(I) complexes and their oxygen sensing performance in SBA-15 silica matrix. 2014 , 36, 1542-1554	9

1882	Grafting single molecule magnets on gold nanoparticles. 2014 , 10, 323-9	26
1881	Correlated Optical Spectroscopy and Electron Microscopy Studies of the Slow Ostwald-Ripening Growth of Silver Nanoparticles under Controlled Reducing Conditions. 2014 , 9, 111-120	9
1880	Using gold nanoparticles in spectrophotometry. 2014 , 69, 1-11	33
1879	Frontiers of Plasmonics. 2014 , 9, 1-2	7
1878	Surface Plasmon Polariton Band Gap-Enabled Plasmonic Mach Z ehnder Interferometer: Design, Analysis, and Application. 2014 , 9, 527-535	2
1877	Influence of an Electron Beam Exposure on the Surface Plasmon Resonance of Gold Nanoparticles. 2014 , 9, 343-348	1
1876	Plasmon-mediated fluorescence with distance independence: from model to a biosensing application. 2014 , 58, 258-65	16
1875	Thermal-induced formation of a three-dimensional nanoplasmonic sensor from Ag nanocubes with high stability and reusability. 2014 , 20, 3636-45	4
1874	Nanosized heterostructures of Au@Prussian blue analogues: towards multifunctionality at the nanoscale. 2014 , 53, 3872-6	37
1873	Preparation of saline-stable, silica-coated triangular silver nanoplates of use for optical sensing. 2014 , 415, 77-84	39
1872	Critical Issues in Localized Plasmon Sensing. 2014 , 118, 8227-8244	51
1871	Facet-dependent optical properties of polyhedral Au-CuD core-shell nanocrystals. 2014, 6, 4316-24	74
1870	Improved detection limits of protein optical fiber biosensors coated with gold nanoparticles. 2014 , 52, 337-44	87
1869	LSPR optical fibre sensors based on hollow gold nanostructures. 2014 , 191, 37-44	56
1868	Electrodeposition preparation of Ag nanoparticles loaded TiO2 nanotube arrays with enhanced photocatalytic performance. 2014 , 288, 513-517	52
1867	Metal/Semiconductor hybrid nanostructures for plasmon-enhanced applications. 2014 , 26, 5274-309	780
1866	Influence of laser annealing on the structural properties of sputtered AlN:Ag plasmonic nanocomposites. 2014 , 49, 3996-4006	7
1865	Bioplasmonic calligraphy for multiplexed label-free biodetection. 2014 , 59, 208-15	23

1864	Plasmonic films based on colloidal lithography. 2014 , 206, 5-16	61
1863	Triarylcarbinol functionalized gold nanoparticles for the colorimetric detection of nerve agent simulants. 2014 , 55, 3093-3096	9
1862	Nanosized Heterostructures of Au@Prussian Blue Analogues: Towards Multifunctionality at the Nanoscale. 2014 , 126, 3953-3957	8
1861	Aqueous dispersion of plasmonic hollow metal nanoparticles. 2014 , 117, 241-243	6
1860	DNA nanosensor based on biocompatible graphene quantum dots and carbon nanotubes. 2014 , 60, 64-70	134
1859	A new nanobiomaterial: particles of liquid-crystalline DNA dispersions with embedded clusters of gold nanoparticles. 2014 , 9, 194-202	4
1858	Rational design for the controlled aggregation of gold nanorods via phospholipid encapsulation for enhanced Raman scattering. 2014 , 8, 5462-7	57
1857	Engineering plasmonic metal colloids through composition and structural design. 2014 , 43, 3823-34	165
1856	Shedding light on the growth of gold nanoshells. 2014 , 8, 3088-96	37
1855	Optical Nanoscale Patterning Through Surface-Textured Polymer Films. 2014 , 2, 855-860	13
1854	Integrated nanoplasmonic sensing for cellular functional immunoanalysis using human blood. 2014 , 8, 2667-76	76
1853	Advancements in nanosensors using plastic antibodies. 2014 , 139, 21-31	64
1852	Hollow Plasmonic U-Cavities with High-Aspect-Ratio Nanofins Sustaining Strong Optical Vortices for Light Trapping and Sensing. 2014 , 2, 522-528	20
1851	High stability and sensitivity of gold nano-islands for localized surface plasmon spectroscopy: Role of solvent viscosity and morphology. 2014 , 191, 356-363	8
1850	The use of gold-silver core-shell nanorods self-assembled on a glass substrate can substantially improve the performance of plasmonic affinity biosensors. 2014 , 181, 1991-1997	6
1849	Localized surface plasmon resonance nanosensing of C-reactive protein with poly(2-methacryloyloxyethyl phosphorylcholine)-grafted gold nanoparticles prepared by surface-initiated atom transfer radical polymerization. 2014 , 86, 5587-94	60
1848	A label-free immunosensor for determination of salbutamol based on localized surface plasmon resonance biosensing. 2014 , 37, 651-7	11
1847	Aqueous phase synthesis of Au-Ag core-shell nanocrystals with tunable shapes and their optical and catalytic properties. 2014 , 136, 396-404	131

1846	An aptamer based wall-less LSPR array chip for label-free and high throughput detection of biomolecules. 2014 , 53, 58-64	53
1845	Tailoring of quantum dot emission efficiency by localized surface plasmon polaritons in self-organized mesoscopic rings. 2014 , 6, 741-4	13
1844	Macroscale colloidal noble metal nanocrystal arrays and their refractive index-based sensing characteristics. 2014 , 10, 802-11	57
1843	Optimal Design for U-bent Fiber-optic LSPR Sensor Probes. 2014 , 9, 251-260	60
1842	Copper nanoparticles: a new colorimetric probe for quick, naked-eye detection of sulfide ions in water samples. 2014 , 121, 234-8	80
1841	Emerging advances in nanomedicine with engineered gold nanostructures. 2014 , 6, 2502-30	220
1840	Molecular phenomena in colloidal nanostructure synthesis. 2014 , 40, 134-140	13
1839	Localized surface plasmon resonance sensors based on wavelength-tunable spectral dips. 2014 , 6, 2397-405	81
1838	New materials for tunable plasmonic colloidal nanocrystals. 2014 , 43, 3957-75	335
1837	Overgrowth of gold nanorods by using a binary surfactant mixture. 2014 , 30, 1696-703	75
1836	Gold nanorod-based localized surface plasmon resonance biosensors: A review. 2014 , 195, 332-351	471
1835	Extinction and extra-high depolarized light scattering spectra of gold nanorods with improved purity and dimension tunability: direct and inverse problems. 2014 , 16, 5710-22	12
1834	A Force Field for Describing the Polyvinylpyrrolidone-Mediated Solution-Phase Synthesis of Shape-Selective Ag Nanoparticles. 2014 , 118, 3366-3374	36
1833	Gold nanocages with built-in artificial antibodies for label-free plasmonic biosensing. 2014 , 2, 167-170	30
1832	Detection, counting, and imaging of single nanoparticles. 2014 , 86, 2-14	117
1831	Gold Nanoring Arrays for Near Infrared Plasmonic Biosensing. 2014 , 9, 765-772	30
1830	Using U-Shaped Localized Surface Plasmon Resonance Sensors to Compensate for Nonspecific Interactions. 2014 , 13, 55-61	16
1829	Dip biosensor based on localized surface plasmon resonance at the tip of an optical fiber. 2014 , 30, 946-54	65

1020	Trends and challenges of refractometric nanoplasmonic biosensors: a review. 2014 , 806, 55-73	224
1827	Uptake of engineered gold nanoparticles into mammalian cells. <i>Chemical Reviews</i> , 2014 , 114, 1258-88 68.1	226
1826	Direct growth of coupled gold nanoparticles on indium tin oxide substrate and construction of biosensor based on localized surface plasmon resonance. 2014 , 191, 337-343	11
1825	Highly specific plasmonic biosensors for ultrasensitive microRNA detection in plasma from pancreatic cancer patients. 2014 , 14, 6955-63	108
1824	First-principles computational visualization of localized surface plasmon resonance in gold nanoclusters. 2014 , 118, 11317-22	62
1823	Blue-Shifted Narrow Localized Surface Plasmon Resonance from Dipole Coupling in Gold Nanoparticle Random Arrays. 2014 , 118, 26276-26283	44
1822	Plasmonics in composite nanostructures. 2014 , 17, 372-380	52
1821	Refractive index sensing with Fano resonant plasmonic nanostructures: a symmetry based nonlinear approach. 2014 , 6, 15262-70	27
1820	High-yield, ultrafast, surface plasmon-enhanced, Au nanorod optical field electron emitter arrays. 2014 , 8, 11474-82	54
1819	. 2014 , 50, 677-682	1
1819	. 2014, 50, 677-682 Independent light-trapping cavity for ultra-sensitive plasmonic sensing. 2014, 105, 061112	7
1818	Independent light-trapping cavity for ultra-sensitive plasmonic sensing. 2014 , 105, 061112 Colorimetric determination of hydrogen peroxide by morphological decomposition of silver	7
1818 1817	Independent light-trapping cavity for ultra-sensitive plasmonic sensing. 2014 , 105, 061112 Colorimetric determination of hydrogen peroxide by morphological decomposition of silver nanoprisms coupled with chromaticity analysis. 2014 , 6, 9816-9824 Green synthesis of asymmetrically textured silver meso-flowers (AgMFs) as highly sensitive SERS	7
1818 1817 1816 1815	Independent light-trapping cavity for ultra-sensitive plasmonic sensing. 2014 , 105, 061112 Colorimetric determination of hydrogen peroxide by morphological decomposition of silver nanoprisms coupled with chromaticity analysis. 2014 , 6, 9816-9824 Green synthesis of asymmetrically textured silver meso-flowers (AgMFs) as highly sensitive SERS substrates. 2014 , 6, 21335-45 Simulation of the Linear and Nonlinear Optical Properties of Colloids Containing Metallic	7 47 40
1818 1817 1816 1815	Independent light-trapping cavity for ultra-sensitive plasmonic sensing. 2014, 105, 061112 Colorimetric determination of hydrogen peroxide by morphological decomposition of silver nanoprisms coupled with chromaticity analysis. 2014, 6, 9816-9824 Green synthesis of asymmetrically textured silver meso-flowers (AgMFs) as highly sensitive SERS substrates. 2014, 6, 21335-45 Simulation of the Linear and Nonlinear Optical Properties of Colloids Containing Metallic CoreDielectric Shell Nanoellipsoids. 2014, 9, 1377-1389	7 47 40 7
1818 1817 1816 1815 1814	Independent light-trapping cavity for ultra-sensitive plasmonic sensing. 2014, 105, 061112 Colorimetric determination of hydrogen peroxide by morphological decomposition of silver nanoprisms coupled with chromaticity analysis. 2014, 6, 9816-9824 Green synthesis of asymmetrically textured silver meso-flowers (AgMFs) as highly sensitive SERS substrates. 2014, 6, 21335-45 Simulation of the Linear and Nonlinear Optical Properties of Colloids Containing Metallic CoreDielectric Shell Nanoellipsoids. 2014, 9, 1377-1389 Sensitivity of surface plasmon resonances in spheroidal metal nanoparticles. 2014, 87, 1 Detection of cancer biomarkers in serum using a hybrid mechanical and optoplasmonic nanosensor.	7 47 40 7 3

1810	Photoelectrochemical synthesis, optical properties and plasmon-induced charge separation behaviour of gold nanodumbbells on TiOII2014, 6, 14543-8	9
1809	Preparation of highly controlled nanostructured Au within mesopores using reductive deposition in non-polar environments. 2014 , 4, 27201-27206	11
1808	Modeling of Au-Nanowire Waveguide for Plasmonic Sensing in Liquids. 2014 , 32, 4233-4238	6
1807	Nanomaterials engineering and applications in catalysis. 2014 , 86, 53-69	7
1806	Influence of intermolecular interactions on spectroscopic characteristics of metal nanoparticles and their composites. 2014 , 16, 24536-48	5
1805	Plasmonic Silver Nanowire Structures for Two-Dimensional Multiple-Digit Molecular Data Storage Application. 2014 , 1, 631-637	36
1804	Silica Nanowires Decorated with Metal Nanoparticles for Refractive Index Sensors: Three-Dimensional Metal Arrays and Light Trapping at Plasmonic Resonances. 2014 , 118, 685-690	38
1803	Surface Plasmon-Enhanced GaN Metal I hsulator B emiconductor Ultraviolet Detectors With Ag Nanoislands Embedded in a Silicon Dioxide Gate Layer. 2014 , 20, 137-141	5
1802	Electrodeposition of Ag nanosheet-assembled microsphere@Ag dendrite coreBhell hierarchical architectures and their application in SERS. 2014 , 16, 3834-3838	17
1801	Photoluminescent gold nanodots: role of the accessing ligands. 2014 , 4, 33629	21
1800	Conformational change and biocatalysis-triggered spectral shift of single Au nanoparticles. 2014 , 50, 5480-3	24
1799	Shedding Light on the Extinction-Enhancement Duality in Gold Nanostar-Enhanced Raman Spectroscopy. 2014 , 126, 14339-14343	13
1798	Dual Symmetry Breaking in Gold-Silica-Gold Multilayer Nanoshells. 2014 , 9, 1361-1369	10
1797	Novel pH-responsive nanoplasmonic sensor: controlling polymer structural change to modulate localized surface plasmon resonance response. 2014 , 4, 15807	22
1796	Research highlights. 2014 , 14, 264-267	1
1795	Amplified plasmonic detection of DNA hybridization using doxorubicin-capped gold particles. 2014 , 139, 157-64	24
1794	Fabrication of tunable Au SERS nanostructures by a versatile technique and application in detecting sodium cyclamate. 2014 , 4, 22660-22668	14
1793	Intermittent microwave heating-promoted rapid fabrication of sheet-like Ag assemblies and small-sized Ag particles and their use as co-catalyst of ZnO for enhanced photocatalysis. 2014 , 2, 3015	16

1792	Large-volume hot spots in gold spiky nanoparticle dimers for high-performance surface-enhanced spectroscopy. 2014 , 6, 12921-8	38
1791	Enhanced Surface Plasmon Effect of Ag/TiO2Nanodiodes on Internal Photoemission. 2014 , 118, 5650-5656	79
1790	Noble Metal Nanoparticle Platform. 2014 , 327-346	6
1789	Directional fluorescence emission by individual V-antennas explained by mode expansion. 2014 , 8, 8232-41	63
1788	Surface-enhanced Raman scattering (SERS) nanoparticle sensors for biochemical and environmental sensing. 2014 , 197-230	2
1787	Unveiling the correlation between nanometer-thick molecular monolayer sensitivity and near-field enhancement and localization in coupled plasmonic oligomers. 2014 , 8, 9188-98	45
1786	Novel gas chromatographic detector utilizing the localized surface plasmon resonance of a gold nanoparticle monolayer inside a glass capillary. 2014 , 86, 5257-64	17
1785	Real-Time Adsorption and Desorption Kinetics of Dye Z907 on a Flat Mimic of Dye-Sensitized Solar Cell TiO2 Photoelectrodes. 2014 , 118, 17116-17122	13
1784	Gold-decorated titania nanotube arrays as dual-functional platform for surface-enhanced Raman spectroscopy and surface-assisted laser desorption/ionization mass spectrometry. 2014 , 6, 8387-95	22
1783	Surface plasmon resonance: signal amplification using colloidal gold nanoparticles for enhanced sensitivity. 2014 , 33,	55
1782	Novel H-shaped plasmon nanoresonators for efficient dual-band SERS and optical sensing applications. 2014 , 16, 105013	19
1781	Surface Plasmons as Versatile Analytical Tools. 2014 , 5, 3007-8	
1780	Spatiotemporal intracellular nitric oxide signaling captured using internalized, near-infrared fluorescent carbon nanotube nanosensors. 2014 , 14, 4887-94	67
1779	Strong improvements of localized surface plasmon resonance sensitivity by using Au/Ag bimetallic nanostructures modified with polydopamine films. 2014 , 6, 219-27	61
1778	Unified Theoretical Framework for Realizing Diverse Regimes of Strong Coupling between Plasmons and Electronic Transitions. 2014 , 118, 2710-2717	40
1777	Supramolecular precursors for the synthesis of anisotropic CuB nanocrystals. 2014 , 136, 6175-8	69
1776	Plasmonic bar-coupled dots-on-pillar cavity antenna with dual resonances for infrared absorption and sensing: performance and nanoimprint fabrication. 2014 , 8, 2618-24	25
1775	Plasmonic nanoclocks. 2014 , 14, 5162-9	8

1774	Explosives detection in a lasing plasmon nanocavity. 2014 , 9, 600-4	153
1773	Optical Sensitivity Gain in Silica-Coated Plasmonic Nanostructures. 2014 , 5, 2935-40	11
1772	Controlled accommodation of metal nanostructures within the matrices of polymer architectures through solution-based synthetic strategies. 2014 , 39, 1878-1907	22
1771	Electrochemically Created Highly Surface Roughened Ag Nanoplate Arrays for SERS Biosensing Applications. 2014 , 2, 8350-8356	40
1770	Geometry-Dependent Plasmonic Tunability and Photothermal Characteristics of Multibranched Gold Nanoantennas. 2014 , 118, 3696-3707	61
1769	Spatially Selective Plasmonic Sensing Using Metallic Nanoslit Arrays. 2014 , 20, 96-101	40
1768	Nanogold plasmonic photocatalysis for organic synthesis and clean energy conversion. 2014 , 43, 7188-216	415
1767	Probing quantum plasmon coupling using gold nanoparticle dimers with tunable interparticle distances down to the subnanometer range. 2014 , 8, 8554-63	146
1766	Grafting hyaluronic acid onto gold surface to achieve low protein fouling in surface plasmon resonance biosensors. 2014 , 6, 13034-42	97
1765	Cellular uptake behaviour, photothermal therapy performance, and cytotoxicity of gold nanorods with various coatings. 2014 , 6, 11462-72	79
1764	Experimental and Theoretical Studies on the Interaction between Isonicotinic Acid Molecules and Silver Nanoclusters. 2014 , 47, 754-760	5
1763	Circular dichroic investigation of factors that affect inclusion complexes of cyclodextrins as a drug carrier. 2014 , 80, 273-283	1
1762	Using surface plasmonics to turn on fullerene's dark excitons. 2014 , 89,	10
1761	Self-assembled diatom substrates with plasmonic functionality. 2014 , 64, 1179-1184	6
1760	Dark-field microscopy in imaging of plasmon resonant nanoparticles. 2014 , 124, 111-7	34
1759	(Gold nanorod core)/(polyaniline shell) plasmonic switches with large plasmon shifts and modulation depths. 2014 , 26, 3282-9	107
1758	Nanotechnology for Sustainable Development. 2014 ,	11
1757	Generalized Effective Medium Theory to Extract the Optical Properties of Two-Dimensional Nonspherical Metallic Nanoparticle Layers. 2014 , 118, 4899-4905	29

(2014-2014)

1756	Pulsed nanosecond laser ablation of gold in deionized water and aqueous chitosan solution. 2014 , 55, 59-68	8
1755	Photochemistry at the Surface of Gold Nanoprisms from Surface-Enhanced Raman Scattering Blinking. 2014 , 118, 17956-17967	28
1754	Impact of core dielectric properties on the localized surface plasmonic spectra of gold-coated magnetic core-shell nanoparticles. 2014 , 118, 14076-84	30
1753	Development of new classes of plasmon active nano-structures and their application in bio-sensing and energy guiding. 2014 , 9, 652-664	4
1752	Enhancing LSPR Sensitivity of Au Gratings through Graphene Coupling to Au Film. 2014 , 9, 507-512	43
1751	Plasmonic Perfect Absorbers for Biosensing Applications. 2014 , 9, 1265-1270	54
1750	The effects of hydrogen and ph on plasmon absorption of gold hydrosol. Electrochemical reactions on nanoelectrodes. 2014 , 76, 308-313	2
1749	Ultrahigh refractive index sensing performance of plasmonic quadrupole resonances in gold nanoparticles. 2014 , 9, 187	27
1748	Plasmonic networks based on metallic nanowires. 2014 ,	
1747	Structure and localized surface plasmon tuning of sputtered Au nano-islands through thermal annealing. 2014 , 110, 94-101	29
1746	Growing gold nanoparticles on a flexible substrate to enable simple mechanical control of their plasmonic coupling. 2014 , 2, 7927-7933	69
1745	Graphene Oxide as a Surfactant and Support for In-Situ Synthesis of Au P d Nanoalloys with Improved Visible Light Photocatalytic Activity. 2014 , 118, 5299-5308	91
1744	Self-Assembled Silver Nanoparticles in a Bow-Tie Antenna Configuration. 2014 , 10, 1057-1062	17
1743	Photochemical synthesis of bimetallic and anisotropic Au-containing nanoparticles using a one-step protocol. 2014 , 2, 17574-17585	10
1742	Selective Terpene Vapor Detection Using Molecularly Imprinted Polymer Coated Au Nanoparticle LSPR Sensor. 2014 , 14, 3458-3464	26
1741	Versatile Sensitive Localized Surface Plasmon Resonance Sensor Based on Core-Shell Gold Nanorods for the Determination of Mercury(II) and Cysteine. 2014 , 47, 295-308	4
1740	Selective plasmonic trapping in periodic gold polygon tetramers. 2014 , 75, 593-600	2
1739	Near-infrared room temperature luminescence of few-atom Au aggregates in silica: a path for the energy-transfer to Er[+ ions. 2014 , 6, 1716-24	21

1738	Ultrasensitive photoreversible molecular sensors of azobenzene-functionalized plasmonic nanoantennas. 2014 , 14, 532-40	94
1737	ElectronHole Pair Generation of the Visible-Light Plasmonic Photocatalyst [email´protected]: Enhanced Optical Transitions Involving Midgap Defect States of AgCl. 2014 , 118, 12133-12140	44
1736	A regeneratable, label-free, localized surface plasmon resonance (LSPR) aptasensor for the detection of ochratoxin A. 2014 , 59, 321-7	110
1735	A route to low-cost nanoplasmonic biosensor integrated with optofluidic-portable platform. 2014 , 195, 682-691	19
1734	Quantification of cardiac biomarkers using label-free and multiplexed gold nanorod bioprobes for myocardial infarction diagnosis. 2014 , 61, 70-5	45
1733	An enhanced LSPR fiber-optic nanoprobe for ultrasensitive detection of protein biomarkers. 2014 , 61, 95-101	135
1732	Optical Tamm mode based refractometer in all-dielectric configuration. 2014 , 12, 252-258	1
1731	Fiber optic SPR sensor for liquid concentration measurement. 2014 , 192, 229-233	89
1730	Advances in plasmonic technologies for point of care applications. <i>Chemical Reviews</i> , 2014 , 114, 5728-5268.1	270
1729	Plasmonic Coupling in Single Silver Nanosphere Assemblies by Polarization-Dependent Dark-Field Scattering Spectroscopy. 2014 , 118, 13801-13808	29
1728	Nanostructured electrochromic smart windows: traditional materials and NIR-selective plasmonic nanocrystals. 2014 , 50, 10555-72	347
1727	Photochromic-fluorescent-plasmonic nanomaterials: towards integrated three-component photoactive hybrid nanosystems. 2014 , 50, 7299-302	25
1726	Aspect-Ratio Effect of Nanorod Compatibilizers in Conducting Polymer Blends 2014 , 3, 398-404	15
1725	In situ-generated nano-gold plasmon-enhanced photoelectrochemical aptasensing based on carboxylated perylene-functionalized graphene. 2014 , 86, 1306-12	88
1724	Photoelectrochemical DNA biosensors. <i>Chemical Reviews</i> , 2014 , 114, 7421-41 68.1	579
1723	Electrically tunable plasmonic behavior of nanocube-polymer nanomaterials induced by a redox-active electrochromic polymer. 2014 , 8, 6182-92	241
1722	Third-harmonic generation at a silver/vacuum interface using surface plasmon polaritons. 2014 , 39, 3860-3	1
1721	Plasmonic gas and chemical sensing. 2014 , 3, 157-180	74

1720	Tuning plasmon absorption of unmodified silver nanoplates for sensitive and selective detection of copper ions by introduction of ascorbate. 2014 , 25, 1403-1406	10
1719	Development of silver/gold nanocages onto indium tin oxide glass as a reagentless plasmonic mercury sensor. 2014 , 825, 51-6	22
1718	Mode control and loss compensation of propagating surface plasmons. 2014,	
1717	Lights, nano, action! New plasmonic materials and methods to probe nanoscale phenomena. 2015 , 40, 264-273	1
1716	Wet-chemical Passivation of Anisotropic Plasmonic Nanoparticles for LSPR-sensing by a Silica Shell. 2015 , 2, 33-40	4
1715	Dynamically controlled plasmonic nano-antenna phased array utilizing vanadium dioxide [Invited]. 2015 , 5, 2513	41
1714	Theoretical Study on Surface Mode in Photonic Crystal Fishbone Nanocavity. 2015 , 33, 4445-4449	1
1713	Contact Transfer Printing of Side Edge Prefunctionalized Nanoplasmonic Arrays for Flexible microRNA Biosensor. 2015 , 2, 1500121	12
1712	Self-referenced biosensor based on thin dielectric grating combined with thin metal film. 2015 , 23, 28667-82	43
1711	Nucleophile-Induced Shift of Surface Plasmon Resonance and its Implication in Chemistry. 2015 , 335-369	1
1710	Bioanalytical Chemistry, Biosensors. 2015 , 1-24	
1709	Quantum statistics control with a plasmonic nanocavity: Multimode-enhanced interferences. 2015 , 92,	9
1708	Theory of nanorod antenna resonances including end-reflection phase. 2015 , 91,	4
1707	Acousto-plasmofluidics: Acoustic modulation of surface plasmon resonance in microfluidic systems. 2015 , 5, 097161	8
1706	Electromagnetic field redistribution induced selective plasmon driven surface catalysis in metal nanowire-film systems. 2015 , 5, 17223	6
1705	Conclusion. 2015 , 515-636	
1704	Plasmonic mode interferences and Fano resonances in Metal-Insulator-Metal nanostructured interface. 2015 , 5, 14419	40
1703	Prediction of transmittance spectra for transparent composite electrodes with ultra-thin metal layers. 2015 , 118, 205304	4

1702 Antibody-Based Technologies for Environmental Biodetection. **2015**, 2.3.1-1-2.3.1-12

1701	Controlling wave-vector of propagating surface plasmon polaritons on single-crystalline gold nanoplates. 2015 , 5, 13424	12
1700	Transmission properties and molecular sensing application of CGPW. 2015 , 23, 32289-99	17
1699	Polydopamine-assisted fabrication of fiber-optic localized surface plasmon resonance sensor based on gold nanoparticles. 2015 , 21, 412-419	2
1698	Numerical analysis of electric field enhancement in ZnO film with plasmonic au quantum dots. 2015	
1697	Carbon/Silicon Heterojunction Solar Cells: State of the Art and Prospects. 2015 , 27, 6549-74	144
1696	Direct Conversion of Bulk Metals to Size-Tailored, Monodisperse Spherical Non-Coinage-Metal Nanocrystals. 2015 , 127, 4869-4873	2
1695	Precisely size-tunable magnetic/plasmonic core/shell nanoparticles with controlled optical properties. 2015 , 54, 12091-6	57
1694	Water-Soluble Gold Nanoparticles: From Catalytic Selective Nitroarene Reduction in Water to Refractive Index Sensing. 2015 , 10, 2437-43	19
1693	Highly Sensitive Electro-Plasmonic Switches Based on Fivefold Stellate Polyhedral Gold Nanoparticles. 2015 , 11, 5395-401	11
1692	Simple and Rapid High-Yield Synthesis and Size Sorting of Multibranched Hollow Gold Nanoparticles with Highly Tunable NIR Plasmon Resonances. 2015 , 11, 4550-9	42
1691	Precisely Size-Tunable Magnetic/Plasmonic Core/Shell Nanoparticles with Controlled Optical Properties. 2015 , 127, 12259-12264	38
1690	In situ high throughput scattering light analysis of single plasmonic nanoparticles in living cells. 2015 , 5, 188-95	38
1689	Comparative evaluation of the impact on endothelial cells induced by different nanoparticle structures and functionalization. 2015 , 6, 300-12	29
1688	Chemosensors for Hg Ions: A Review of Literature. 2015 , s4,	1
1687	Synergic combination of the sol-gel method with dip coating for plasmonic devices. 2015 , 6, 500-7	2
1686	Electrochemical and Optical Biosensors in Medical Applications. 2015,	3
1685	Localized Surface Plasmon Resonance Biosensing: Current Challenges and Approaches. 2015 , 15, 15684-716	281

(2015-2015)

1684	Plasma-Induced Wafer-Scale Self-Assembly of Silver Nanoparticles and Application to Biochemical Sensing. 2015 , 8, 3806-3814	4
1683	Optimization and application of reflective LSPR optical fiber biosensors based on silver nanoparticles. 2015 , 15, 12205-17	55
1682	Sol-Gel Thin Films for Plasmonic Gas Sensors. 2015 , 15, 16910-28	31
1681	Sensitivity engineering in direct contact palladium-gold nano-sandwich hydrogen sensors [Invited]. 2015 , 5, 2525	25
1680	Nanoplasmonic biosensors: current perspectives. 2015 , 75	3
1679	Ultra-Sensitive Colorimetric Plasmonic Sensing and Microfluidics for Biofluid Diagnostics Using Nanohole Array. 2015 , 2015, 1-21	16
1678	. 2015,	3
1677	Strong Coupling between Plasmonic Gap Modes and Photonic Lattice Modes in DNA-Assembled Gold Nanocube Arrays. 2015 , 15, 4699-703	115
1676	Potential-Scanning Localized Surface Plasmon Resonance Sensor. 2015 , 9, 6214-21	42
1675	Green Synthesis of Metal Nanoparticles via Natural Extracts: The Biogenic Nanoparticle Corona and Its Effects on Reactivity. 2015 , 3, 1610-1617	59
1674	Imaging and Visualization in The Modern Operating Room. 2015,	5
1673	Combined Photonic-Plasmonic Modes Inside Photonic Crystal Cavities. 2015 , 10, 1359-1366	3
1672	Brightening gold nanoparticles: new sensing approach based on plasmon resonance energy transfer. 2015 , 5, 10142	36
1671	Facet-dependent optical properties of Pd-Cu2O core-shell nanocubes and octahedra. 2015 , 7, 11135-41	51
1670	Localized surface plasmon resonance in silver nanoparticles: Atomistic first-principles time-dependent density-functional theory calculations. 2015 , 91,	112
1669	Well-designed metal nanostructured arrays for label-free plasmonic biosensing. 2015 , 3, 6479-6492	36
1668	Drift-corrected nanoplasmonic hydrogen sensing by polarization. 2015 , 7, 10963-9	21
1667	Insight into the eigenmodes of plasmonic nanoclusters based on the Green tensor method. 2015 , 32, 194	6

1666	Development of optical biosensor technologies for cardiac troponin recognition. 2015 , 485, 1-10	29
1665	How does the plasmonic enhancement of molecular absorption depend on the energy gap between molecular excitation and plasmon modes: a mixed TDDFT/FDTD investigation. 2015 , 17, 16835-45	23
1664	Shape-Controlled Synthesis of Colloidal Metal Nanocrystals: Thermodynamic versus Kinetic Products. 2015 , 137, 7947-66	606
1663	Optical monitoring of faradaic reaction using single plasmon-resonant nanorods functionalized with graphene. 2015 , 51, 3223-6	18
1662	Chemically synthesized noble metal nanostructures for plasmonics. 2015 , 4,	14
1661	Photostability of gold nanoparticles with different shapes: the role of Ag clusters. 2015 , 7, 11273-9	45
1660	Nanotechnology Approaches for Intraprocedural Molecular Diagnostics. 2015 , 157-166	1
1659	A gold nanohole array based surface-enhanced Raman scattering biosensor for detection of silver(I) and mercury(II) in human saliva. 2015 , 7, 11005-12	74
1658	Solar cell enhancement using metallic nanoparticles embedded in titanium dioxide. 2015,	
1657	Flexible NWs sensors in polymer, metal oxide and semiconductor materials for chemical and biological detection. 2015 , 219, 65-82	9
1656	Plasmon enhanced photocurrent in strongly coupled Ag@perylene coreBhell nanowires. 2015 , 3, 12845-1285	16
1655	A promising direct visualization of an Au@Ag nanorod-based colorimetric sensor for trace detection of alpha-fetoprotein. 2015 , 3, 6035-6045	40
1654	Refractometric and colorimetric index sensing by a plasmon-coupled hybrid AAO nanotemplate. 2015 , 5, 103052-103059	16
1653	Photomelting and photofragmentation of silver nanoparticles suspended in ethanol. 2015,	
1652	Nanoporous gold leaves: preparation, optical characterization, and biosensing capabilities. 2015,	
1651	Plasmonics in Analytical Spectroscopy. 2015 , 269-301	
1650	Single-Crystalline Copper Nano-Octahedra. 2015 , 27, 8185-8188	34
1649	Effect of the Hydrogen Bond on Photochemical Synthesis of Silver Nanoparticles. 2015 , 119, 12579-85	8

(2015-2015)

Development of a localized surface plasmon resonance platform for Candida albicans antigen identification. ${\bf 2015}$,

1647	Topological nanocolloids with facile electric switching of plasmonic properties. 2015 , 40, 5630-3	10
1646	Enhanced Magneto-Optical Edge Excitation in Nanoscale Magnetic Disks. 2015 , 115, 187403	15
1645	Detection of Intermolecular Interactions Based on Surface Plasmon Resonance Registration. 2015 , 80, 1820-32	11
1644	Dependence between the Refractive-Index Sensitivity of Metallic Nanoparticles and the Spectral Position of Their Localized Surface Plasmon Band: A Numerical and Analytical Study. 2015 , 119, 28551-28559	36
1643	Near-field observation of surface plasmon polaritons launched by V-shaped nanorods on a gold surface. 2015 , 54, 9326-30	1
1642	Gas visualization based on localized surface plasmon resonance of gold nanoparticle films. 2015,	1
1641	Tunable Electromagnetically Induced Transparency in Plasmonic System and Its Application in Nanosensor and Spectral Splitting. 2015 , 7, 1-8	11
1640	Optimal geometric parameters of ordered arrays of nanoprisms for enhanced sensitivity in localized plasmon based sensors. 2015 , 65, 346-53	27
1639	Phase effects in guided mode resonances II: measuring the angular phase of a surface plasmon polariton. 2015 , 62, 236-243	
1638	Excitation of multipole plasmons by optical vortex beams. 2015 , 5, 8431	36
1637	Multiplexed gold nanorod array biochip for multi-sample analysis. 2015 , 67, 18-24	23
1636	The Effects of Varying Dielectric Spacer Height on the Reflection Resonance Spectrum of Gold Nanorod-on-Mirror Grating Structure. 2015 , 10, 901-909	2
1635	Probing the Anisotropy of SERS Enhancement with Spatially Separated Plasmonic Modes in Strongly Coupled Silver Nanocubes on a Dielectric Substrate. 2015 , 119, 3293-3301	16
1634	Light-responsive plasmonic arrays consisting of silver nanocubes and a photoisomerizable matrix. 2015 , 7, 4902-12	27
1633	Protein-based nanobiosensor for direct detection of hydrogen sulfide. 2015 , 109, 18005	11
1632	Mesoporous SnO2-coated metal nanoparticles with enhanced catalytic efficiency. 2015 , 7, 4844-50	42
1631	Non-spectroscopic surface plasmon sensor with a tunable sensitivity. 2015 , 106, 031113	3

1630	Fiber-tip plasmonic resonators for label-free biosensing. 2015 , 212, 225-228	4
1629	Tempering Hemispherical Radiative Properties with a Resonance Compilation. 2015 , 10, 595-603	10
1628	Wafer-Scale Leaning Silver Nanopillars for Molecular Detection at Ultra-Low Concentrations. 2015 , 119, 2053-2062	62
1627	Adsorption of Anionic Thiols on Silver Nanoparticles. 2015 , 119, 5454-5461	22
1626	Optically abrupt localized surface plasmon resonances in si nanowires by mitigation of carrier density gradients. 2015 , 9, 1250-6	20
1625	Observation of weak localization of light in gold nanofluids synthesized using the marine derived fungus Aspergillus niger. 2015 , 5, 16780-16784	4
1624	Laser-Generated Bimetallic Ag-Au and Ag-Cu Core-Shell Nanoparticles for Refractive Index Sensing. 2015 , 10, 681-690	34
1623	Plasmonic nanobiosensor based on hairpin DNA for detection of trace oligonucleotides biomarker in cancers. 2015 , 7, 2459-66	41
1622	Gold nanoparticles for photoacoustic imaging. 2015 , 10, 299-320	367
1621	Highly sensitive fluorescence detection of copper ion based on its catalytic oxidation to cysteine indicated by fluorescein isothiocyanate functionalized gold nanoparticles. 2015 , 468, 333-338	30
1620	Multilayered core-satellite nanoassemblies with fine-tunable broadband plasmon resonances. 2015 , 7, 3445-52	38
1619	Refractive index susceptibility of the plasmonic palladium nanoparticle: potential as the third plasmonic sensing material. 2015 , 9, 1895-904	91
1618	Ultrasensitive and label-free molecular-level detection enabled by light phase control in magnetoplasmonic nanoantennas. 2015 , 6, 6150	122
1617	Time-Dependent, Optically Controlled Dielectric Function. 2015 , 6, 320-5	4
1616	Preparation and application of polymer nano-fiber doped with nano-particles. 2015 , 40, 49-56	10
1615	Towards active plasmonic response devices. 2015 , 8, 406-417	48
1614	Colorimetric detection of microcystin-LR based on disassembly of orient-aggregated gold nanoparticle dimers. 2015 , 68, 475-480	76
1613	Shape transformation of silver nanospheres to silver nanoplates induced by redox reaction of hydrogen peroxide. 2015 , 153, 127-134	33

(2015-2015)

1612	Selective colorimetric NO(g) detection based on the use of modified gold nanoparticles using click chemistry. 2015 , 51, 3077-9	25
1611	Optimizing Nanoparticle Designs for Ideal Absorption of Light. 2015 , 2, 263-270	53
1610	Hybrid Plasmonic Mode by Resonant Coupling of Localized Plasmons to Propagating Plasmons in a Kretschmann Configuration. 2015 , 2, 237-245	54
1609	Direct conversion of bulk metals to size-tailored, monodisperse spherical non-coinage-metal nanocrystals. 2015 , 54, 4787-91	16
1608	Facet-Dependent Optical Properties Revealed through Investigation of Polyhedral Au-CuD and Bimetallic Core-Shell Nanocrystals. 2015 , 11, 2716-26	48
1607	Nanosphere-in-a-nanoegg: damping the high-order modes induced by symmetry breaking. 2015 , 10, 17	10
1606	Performance enhancement of GaN-based light emitting diodes by the interaction with localized surface plasmons. 2015 , 13, 140-173	37
1605	Revisiting the Surface Sensitivity of Nanoplasmonic Biosensors. 2015 , 2, 425-431	70
1604	Synthesis and characterization of a sulfur-containing phthalocyanine-gold nanoparticle hybrid. 2015 , 19, 335-343	5
1603	Surface Plasmon Resonance Sensors. 2015 ,	10
1602	Localized and propagating surface plasmon resonance based fiber optic sensor for the detection of	22
	tetracycline using molecular imprinting. 2015 , 2, 035007	32
1601	Capping agent-free gold nanostars show greatly increased versatility and sensitivity for biosensing. 2015 , 87, 3964-72	37
1601 1600	Capping agent-free gold nanostars show greatly increased versatility and sensitivity for biosensing. 2015, 87, 3964-72 Spectral properties and dynamics of gold paporods revealed by EMCCD-based spectral phason.	
	Capping agent-free gold nanostars show greatly increased versatility and sensitivity for biosensing. 2015, 87, 3964-72 Spectral properties and dynamics of gold nanorods revealed by EMCCD-based spectral phasor	37
1600	Capping agent-free gold nanostars show greatly increased versatility and sensitivity for biosensing. 2015, 87, 3964-72 Spectral properties and dynamics of gold nanorods revealed by EMCCD-based spectral phasor method. 2015, 78, 283-93 Photonic coupled systems between on-chip integrated microresonator and core-shell nanoparticle.	37
1600 1599	Capping agent-free gold nanostars show greatly increased versatility and sensitivity for biosensing. 2015, 87, 3964-72 Spectral properties and dynamics of gold nanorods revealed by EMCCD-based spectral phasor method. 2015, 78, 283-93 Photonic coupled systems between on-chip integrated microresonator and core-shell nanoparticle. 2015, 1728, 1 Plasmonic swings during the Fenton reaction: catalytic sensing of organics in water via	37 6
1600 1599 1598	Capping agent-free gold nanostars show greatly increased versatility and sensitivity for biosensing. 2015, 87, 3964-72 Spectral properties and dynamics of gold nanorods revealed by EMCCD-based spectral phasor method. 2015, 78, 283-93 Photonic coupled systems between on-chip integrated microresonator and core-shell nanoparticle. 2015, 1728, 1 Plasmonic swings during the Fenton reaction: catalytic sensing of organics in water via fullerene-decorated gold nanoparticles. 2015, 51, 12231-4 Plasmonic Transition via Interparticle Coupling of [email/protected] CoreBhell Nanostructures Sheathed in Double Hydrophilic Block Copolymer for High-Performance Polymer Solar Cell. 2015,	37 6

1594	Ultrahigh Enhancement of Electromagnetic Fields by Exciting Localized with Extended Surface Plasmons. 2015 , 119, 19382-19389	50
1593	Monolayers of gold nanostars with two near-IR LSPRs capable of additive photothermal response. 2015 , 51, 12928-30	32
1592	An ultrahigh-contrast and broadband on-chip refractive index sensor based on a surface-plasmon-polariton interferometer. 2015 , 140, 7263-70	13
1591	Nanostar Clustering Improves the Sensitivity of Plasmonic Assays. 2015 , 26, 1470-4	22
1590	Improving the sensing performance of double gold gratings by oblique incident light. 2015 , 7, 13026-32	14
1589	Gold Nanobipyramid-Directed Growth of Length-Variable Silver Nanorods with Multipolar Plasmon Resonances. 2015 , 9, 7523-35	102
1588	Cavity-Coupled Plasmonic Device with Enhanced Sensitivity and Figure-of-Merit. 2015 , 9, 7621-33	48
1587	Nanoplasmonic monitoring of odorants binding to olfactory proteins from honeybee as biosensor for chemical detection. 2015 , 221, 341-349	19
1586	A Refractive Index Nanosensor Based on Fano Resonance in the Plasmonic Waveguide System. 2015 , 27, 1695-1698	55
1585	Gold Nanoparticles for In Vitro Diagnostics. <i>Chemical Reviews</i> , 2015 , 115, 10575-636 68.1	598
1585 1584	Gold Nanoparticles for In Vitro Diagnostics. <i>Chemical Reviews</i> , 2015 , 115, 10575-636 68.1 Adsorption of ozone and plasmonic properties of gold hydrosol: the effect of the nanoparticle size. 2015 , 17, 18431-6	598
	Adsorption of ozone and plasmonic properties of gold hydrosol: the effect of the nanoparticle size.	
1584	Adsorption of ozone and plasmonic properties of gold hydrosol: the effect of the nanoparticle size. 2015, 17, 18431-6 Determination of the Surface Charge Density of Colloidal Gold Nanoparticles Using Second	4
1584 1583 1582	Adsorption of ozone and plasmonic properties of gold hydrosol: the effect of the nanoparticle size. 2015, 17, 18431-6 Determination of the Surface Charge Density of Colloidal Gold Nanoparticles Using Second Harmonic Generation. 2015, 119, 16200-16207 Engineering of parallel plasmonic-photonic interactions for on-chip refractive index sensors. 2015,	4 42
1584 1583 1582	Adsorption of ozone and plasmonic properties of gold hydrosol: the effect of the nanoparticle size. 2015, 17, 18431-6 Determination of the Surface Charge Density of Colloidal Gold Nanoparticles Using Second Harmonic Generation. 2015, 119, 16200-16207 Engineering of parallel plasmonic-photonic interactions for on-chip refractive index sensors. 2015, 7, 12205-14 Surface Plasmon-Assisted Solar Energy Conversion. 2016, 371, 215-52	4 42 21
1584 1583 1582	Adsorption of ozone and plasmonic properties of gold hydrosol: the effect of the nanoparticle size. 2015, 17, 18431-6 Determination of the Surface Charge Density of Colloidal Gold Nanoparticles Using Second Harmonic Generation. 2015, 119, 16200-16207 Engineering of parallel plasmonic-photonic interactions for on-chip refractive index sensors. 2015, 7, 12205-14 Surface Plasmon-Assisted Solar Energy Conversion. 2016, 371, 215-52	4 42 21 18
1584 1583 1582 1581	Adsorption of ozone and plasmonic properties of gold hydrosol: the effect of the nanoparticle size. 2015, 17, 18431-6 Determination of the Surface Charge Density of Colloidal Gold Nanoparticles Using Second Harmonic Generation. 2015, 119, 16200-16207 Engineering of parallel plasmonic-photonic interactions for on-chip refractive index sensors. 2015, 7, 12205-14 Surface Plasmon-Assisted Solar Energy Conversion. 2016, 371, 215-52 Gold nanoparticles-based colorimetric and visual creatinine assay. 2015, 182, 2037-2043 New insight into the structure of thiolated gold clusters: a structural prediction of the Au187(SR)68	4 42 21 18 41

1576	Sensing using plasmonic nanostructures and nanoparticles. 2015 , 26, 322001	169
1575	DNA-based plasmonic nanostructures. 2015 , 18, 326-335	57
1574	Thermal stability of AulliO2 nanocomposite films prepared by direct liquid injection CVD. 2015 , 122, 314-320	14
1573	Importance of Gold Nanorods[Aggregation in Surface Plasmon Coupling with a Photochromic Film in Hybrid Structures. 2015 , 10, 1863-1868	3
1572	Preparation of hybrid fluorescent nanocomposites with enhanced fluorescence and their application. 2015 , 481, 307-313	5
1571	Switching plasmon coupling through the formation of dimers from polyaniline-coated gold nanospheres. 2015 , 7, 12516-26	31
1570	Synthesis of {111}-Faceted Au Nanocrystals Mediated by Polyvinylpyrrolidone: Insights from Density-Functional Theory and Molecular Dynamics. 2015 , 119, 11982-11990	26
1569	Near-Field and Far-Field Sensitivities of LSPR Sensors. 2015 , 119, 9470-9476	21
1568	Asymmetric split nanorings for Fano induced plasmonic sensor in visible region. 2015 , 464, 51-56	4
1567	Gold nanoshells with gain-assisted silica core for ultra-sensitive bio-molecular sensors. 2015 , 349, 193-197	18
1566	Enzyme-guided plasmonic biosensor based on dual-functional nanohybrid for sensitive detection of thrombin. 2015 , 70, 404-10	30
1565	Effective light trapping by hybrid nanostructure for crystalline silicon solar cells. 2015 , 140, 180-186	31
1564	Development of highly thermoresponsive fluorescent sensors consisting of plasmonic silver nanoprisms and poly(N-isopropylacrylamide)-fluorophore composites. 2015 , 14, 870-4	6
1563	Controlled preparation of Au/Ag/SnO2 core-shell nanoparticles using a photochemical method and applications in LSPR based sensing. 2015 , 7, 9025-32	25
1562	Portable microfluidic integrated plasmonic platform for pathogen detection. 2015 , 5, 9152	125
1561	High-yield and environment-minded fabrication of nanoporous anodic aluminum oxide templates. 2015 , 5, 26872-26877	9
1560	Role of Symmetry in Coupled Localized Surface Plasmon Resonance of a Nanosphere Pair. 2015 , 10, 643-653	4
1559	Degeneracy Breaking of Wood\(\text{\overline{A}}\) Anomaly for Enhanced Refractive Index Sensing. 2015 , 2, 615-621	31

1558	Surface enhanced electrochemiluminescence of Ru(bpy)3(2+). 2015 , 5, 7954	49
1557	Self-assembly and growth mechanism of au nanoparticle chains in silica nanowires. 2015 , 66, 828-831	
1556	Multispectral spatial and frequency selective sensing with ultra-compact cross-shaped antenna plasmonic crystals. 2015 , 215, 480-488	56
1555	Polarization-independent and omnidirectional nearly perfect absorber with ultra-thin 2D subwavelength metal grating in the visible region. 2015 , 23, A413-8	57
1554	Recent advances in noble metal based composite nanocatalysts: colloidal synthesis, properties, and catalytic applications. 2015 , 7, 10559-83	124
1553	Dislocated Double-Layered Metal Gratings: Refractive Index Sensors with High Figure of Merit. 2015 , 10, 1489-1497	9
1552	Functionalized Hydrogel on Plasmonic Nanoantennas for Noninvasive Glucose Sensing. 2015 , 2, 475-480	70
1551	Colorimetric biosensing of pathogens using gold nanoparticles. 2015 , 33, 666-80	128
1550	Single-step preparation of recyclable silver nanoparticle immobilized porous glass filters for the catalytic reduction of nitroarenes. 2015 , 5, 19248-19254	16
1549	Towards high quality triangular silver nanoprisms: improved synthesis, six-tip based hot spots and ultra-high local surface plasmon resonance sensitivity. 2015 , 7, 8048-57	64
1548	Charge-Transfer Supra-Amphiphiles Built by Water-Soluble Tetrathiafulvalenes and Viologen-Containing Amphiphiles: Supramolecular Nanoassemblies with Modifiable Dimensions. 2015 , 11, 3597-605	22
1547	Multiplex serum cytokine immunoassay using nanoplasmonic biosensor microarrays. 2015 , 9, 4173-81	201
1546	Comparison of the plasmonic performances between lithographically fabricated and chemically grown gold nanorods. 2015 , 17, 10861-70	39
1545	Surface plasmon-enhanced dye-sensitized solar cells based on double-layered composite films consisting of TiO2/Ag and TiO2/Au nanoparticles. 2015 , 5, 27464-27469	23
1544	Electromagnetically induced transparency and absorption in plasmonic metasurfaces based on near-field coupling. 2015 , 379, 1791-1795	20
1543	Characterizing the Optical Response of Symmetric Hemispherical Nano-dimers. 2015 , 10, 1453-1466	8
1542	6,6-ionene-stabilized gold nanoparticles: synthesis, characterization and prospects of use. 2015 , 6, 025002	2
1541	Gold-graphene nanocomposites for sensing and biomedical applications. 2015 , 3, 4301-4324	119

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1540	separation. 2015 , 51, 6100-3	23
1539	Enzyme-catalysed deposition of ultrathin silver shells on gold nanorods: a universal and highly efficient signal amplification strategy for translating immunoassay into a litmus-type test. 2015 , 51, 6928-31	50
1538	Strategies for enhancing the sensitivity of plasmonic nanosensors. 2015 , 10, 213-239	283
1537	Carbohydrate microarray for the detection of glycan-protein interactions using metal-enhanced fluorescence. 2015 , 87, 3721-8	27
1536	Facile synthesis of luminescent silver nanoparticles and fluorescence interactions with blue-emitting polyarylene ether nitrile. 2015 , 3, 3522-3529	61
1535	Electrochemical Tuning of the Dielectric Function of Au Nanoparticles. 2015 , 2, 459-464	62
1534	Simple analytical expression for the peak-frequency shifts of plasmonic resonances for sensing. 2015 , 15, 3439-44	72
1533	Gold nanoparticles and nanostructures in optical biosensors. 2015 , 30, B167-B177	5
1532	Optical properties of nanoalloys. 2015 , 17, 27952-67	38
1531	A mannose-recognizable chemosensor using gold nanoparticles functionalized with pradimicin, a nonpeptidic mannose-binding natural product. 2015 , 71, 2603-2609	6
1530	Wavelength- and efficiency-tunable plasmon-induced charge separation by the use of Au-Ag alloy nanoparticles. 2015 , 17, 4042-6	30
1529	Stochastic protein interactions monitored by hundreds of single-molecule plasmonic biosensors. 2015 , 15, 3507-11	106
1528	Optical properties of AgAu nanoclusters for sulphide sensing from TDDFT calculations. 2015, 653, 363-368	1
1527	Fano Resonant Aluminum Nanoclusters for Plasmonic Colorimetric Sensing. 2015 , 9, 10628-36	172
1526	UV-Visible and Plasmonic Nanospectroscopy of the CO2 Adsorption Energetics in a Microporous Polymer. 2015 , 87, 10161-5	12
1525	The spontaneous formation and plasmonic properties of ultrathin gold-silver nanorods and nanowires stabilized in oleic acid. 2015 , 51, 16691-4	10
1524	Single protein sensing with asymmetric plasmonic hexamer via Fano resonance enhanced two-photon luminescence. 2015 , 7, 20405-13	23
1523	Bright and dark plasmon resonances of nanoplasmonic antennas evanescently coupled with a silicon nitride waveguide. 2015 , 23, 3088-101	46

1522 Double-layered gold gratings as refractive index sensors with ultrahigh figure of merits. **2015**,

1521	Orthogonal and parallel lattice plasmon resonance in core-shell SiO(2)/Au nanocylinder arrays. 2015 , 23, 130-42	32
1520	Double-layered metal grating for high-performance refractive index sensing. 2015 , 23, 8995-9003	43
1519	Effective wavelength scaling of rectangular aperture antennas. 2015 , 23, 10385-95	6
1518	Design of Stable Plasmonic Dimers in Solution: Importance of Nanorods Aging and Acidic Medium. 2015 , 119, 23149-23158	13
1517	Colorimetric detection of glutathione based on transverse overgrowth of high aspect ratio gold nanorods investigated by MCR-ALS. 2015 , 5, 82906-82915	8
1516	Differential phase-detecting localized surface plasmon resonance sensor with self-assembly gold nano-islands. 2015 , 40, 1924-7	18
1515	Tunable plasmonic resonances based on elliptical annular aperture arrays on conducting substrates for advanced biosensing. 2015 , 40, 3909-12	7
1514	Local refractive index sensitivity of gold nanodisks. 2015 , 23, 10293-300	14
1513	Generation and manipulation of ultrahigh order plasmon resonances in visible and near-infrared region. 2015 , 23, 10836-46	15
1512	Gold nanopillar arrays as biosensors fabricated by electron beam lithography combined with electroplating. 2015 , 54, 2537-42	7
1511	How Structure-Directing Agents Control Nanocrystal Shape: Polyvinylpyrrolidone-Mediated Growth of Ag Nanocubes. 2015 , 15, 7711-7	83
1510	Identification of Plasmons in Molecules with Scaled Ab Initio Approaches. 2015 , 119, 24564-24573	31
1509	Single-Band 2-nm-Line-Width Plasmon Resonance in a Strongly Coupled Au Nanorod. 2015 , 15, 7581-6	49
1508	Patterned Plasmonic Nanoparticle Arrays for Microfluidic and Multiplexed Biological Assays. 2015 , 87, 11407-14	30
1507	Conjugation of Hyaluronic Acid onto Surfaces via the Interfacial Polymerization of Dopamine to Prevent Protein Adsorption. 2015 , 31, 12061-70	54
1506	Terahertz reflection and emission associated with nonequilibrium surface plasmon polaritons in n-GaN. 2015 , 586, 012005	2
1505	Magneto-optical localized-SPR a novel sensing platform to characterize new nanostructured materials for sensing. 2015 ,	

1504	Metal NanoparticleNanowire Assisted SERS on Film. 2015 , 119, 19376-19381	22
1503	Two step continuous method to synthesize colloidal spheroid gold nanorods. 2015 , 459, 218-223	9
1502	Detection of cancer biomarkers in serum by merging nanomechanics and optoplasmonics. 2015 ,	
1501	Facile synthesis of size and wavelength tunable hollow gold nanostructures for the development of a LSPR based label-free fiber-optic biosensor. 2015 , 5, 69970-69979	26
1500	A quasi-static continuum model describing interactions between plasmons and non-absorbing biomolecules. 2015 , 117, 234303	3
1499	Application of Nanoparticles in Manufacturing. 2015 , 1-53	2
1498	Synthesis and characterization of a Pd/Ag bimetallic nanocatalyst on SBA-15 mesoporous silica as a plasmonic catalyst. 2015 , 3, 18889-18897	74
1497	Bridging the Nanogap with Light: Continuous Tuning of Plasmon Coupling between Gold Nanoparticles. 2015 , 9, 12292-300	62
1496	Optical Second Harmonic Generation in Plasmonic Nanostructures: From Fundamental Principles to Advanced Applications. 2015 , 9, 10545-62	351
1495	Surface plasmon effect of carbon nanodots. 2015 , 7, 18908-13	21
1494	Nano-optical concept design for light management. 2015 ,	
1493	Label-Free Nanoplasmonic-Based Short Noncoding RNA Sensing at Attomolar Concentrations Allows for Quantitative and Highly Specific Assay of MicroRNA-10b in Biological Fluids and Circulating Exosomes. 2015 , 9, 11075-89	153
1492	GPU accelerated parallel FFT processing for Fourier transform hyperspectral imaging. 2015 , 54, D91	1
1491	Are Nanoparticle Corners Round?. 2015, 119, 21018-21023	17
1490	Experimental demonstration of sharp Fano resonance within binary gold nanodisk array through lattice coupling effects. 2015 , 40, 93-6	21
1489	Probing molecular cell event dynamics at the single-cell level with targeted plasmonic gold nanoparticles: A review. 2015 , 10, 542-558	63
1488	Analysis of Phospholipid Bilayers on Gold Nanorods by Plasmon Resonance Sensing and Surface-Enhanced Raman Scattering. 2015 , 31, 9893-900	37
1487	Plasmomechanics: A Colour-Changing Device Based on the Plasmonic Coupling of Gold Nanoparticles. 2015 , 614, 20-29	9

1486	Enhanced Figure of Merit in Fano Resonance-Based Plasmonic Refractive Index Sensor. 2015, 15, 6313-6317	82
1485	Monodisperse Copper Chalcogenide Nanocrystals: Controllable Synthesis and the Pinning of Plasmonic Resonance Absorption. 2015 , 137, 12006-12	52
1484	Enhanced surface photovoltaic properties of TiO nanowires doped by Ag nanoparticles. 2015 , 160, 544-546	6
1483	Coupled dipole plasmonics of nanoantennas in discontinuous, complex dielectric environments. 2015 , 166, 93-101	15
1482	Sequential Drug Release and Enhanced Photothermal and Photoacoustic Effect of Hybrid Reduced Graphene Oxide-Loaded Ultrasmall Gold Nanorod Vesicles for Cancer Therapy. 2015 , 9, 9199-209	284
1481	Templated Growth of Surface Enhanced Raman Scattering-Active Branched Gold Nanoparticles within Radial Mesoporous Silica Shells. 2015 , 9, 10489-97	103
1480	Plasmonic vertical dimer arrays as elements for biosensing. 2015 , 407, 8225-31	16
1479	Nanomaterials and Nanoarchitectures. 2015,	5
1478	Direct-writing of circuit interconnects on cellulose paper using ultra-long, silver nanowires based conducting ink. 2015 , 5, 76092-76100	18
1477	Plasmon Hybridization Model for a Nanoparticle above a Dielectric Interface: Dielectric Effects, Comparison with the Dimer System, Range of Applicability, and Limits. 2015 , 119, 21087-21104	7
1476	Electrofocusing-enhanced localized surface plasmon resonance biosensors. 2015 , 7, 17244-8	22
1475	Nano slot-antenna array refractive index sensors: approaching the conventional theoretical limit of the figure of merit. 2015 ,	1
1474	Selective plasmon driven surface catalysis in metal triangular nanoplate-molecule-film sandwich structure. 2015 , 639, 47-51	6
1473	A SERS Study on the Assembly Behavior of Gold Nanoparticles at the Oil/Water Interface. 2015 , 31, 12911-9	30
1472	Tunable Surface Plasmon Resonance in Sn-Doped Znldd Alloyed Nanocrystals. 2015, 119, 1180-1187	28
1471	Recent advances towards the fabrication and biomedical applications of responsive polymeric assemblies and nanoparticle hybrid superstructures. 2015 , 44, 3904-22	35
1470	Fano Interference Between Higher Localized and Propagating Surface Plasmon Modes in Nanovoid Arrays. 2015 , 10, 71-76	14
1469	A single-nanoparticle NO2 gas sensor constructed using active molecular plasmonics. 2015 , 51, 1326-9	18

1468	Polarimetric Plasmonic Sensing with Bowtie Nanoantenna Arrays. 2015 , 10, 703-711	11
1467	In Situ Plasmonic Sensing of Platinum Model Catalyst Sintering on Different Oxide Supports and in O2 and NO2 Atmospheres with Different Concentrations. 2015 , 5, 426-432	14
1466	A new silver nanorod SPR probe for detection of trace benzoyl peroxide. 2014 , 4, 5323	43
1465	Shell-isolated nanoparticle-enhanced fluorescence (SHINEF) of CdTe quantum dots. 2015 , 151, 351-356	8
1464	Plasmon-enhanced optical sensors: a review. 2015 , 140, 386-406	584
1463	Plasmon-driven surface catalysis in hybridized plasmonic gap modes. 2014 , 4, 7087	47
1462	Tunability and Optimization of Coupling Efficiency in Tamm Plasmon Modes. 2015, 21, 262-267	27
1461	Enhancement of Pd-catalyzed Suzuki M iyaura coupling reaction assisted by localized surface plasmon resonance of Au nanorods. 2015 , 242, 381-385	40
1460	Optimized Sensitivity and Electric Field Enhancement by Controlling Localized Surface Plasmon Resonances for Bowtie Nanoring Nanoantenna Arrays. 2015 , 10, 553-561	19
1459	Biosensing Using Diffractively Coupled Plasmonic Crystals: the Figure of Merit Revisited. 2015 , 3, 176-181	44
1458	Novel and simple route to fabricate fully biocompatible plasmonic mushroom arrays adhered on silk biopolymer. 2015 , 7, 426-31	26
1457	Multifunctional Au-ZnO plasmonic nanostructures for enhanced UV photodetector and room temperature NO sensing devices. 2014 , 4, 6483	264
1456	Detection of Bacillus thuringiensis Cry1Ab protein based on surface plasmon resonance immunosensor. 2015 , 468, 59-65	12
1455	Sensitive detection of 2,4,6-trinitrotoluene by tridimensional monitoring of molecularly imprinted polymer with optical fiber and five-branched gold nanostars. 2015 , 208, 291-298	51
1454	Aptamer-based technology for food analysis. 2015 , 175, 603-24	29
1453	Water-soluble acetylated chitosan-stabilized gold nanosphere bioprobes. 2015 , 149-150, 324-332	2
1452	Optical refractive nanosensor with planar resonators metamaterial. 2015 , 338, 399-405	17
1451	Selective multidetection using nanopores. 2015 , 87, 188-99	40

1450	Sharp Fano Resonance within Bi-periodic Silver Particle Array and Its Application as Plasmonic Sensor with Ultra-high Figure of Merit. 2015 , 10, 469-474	9
1449	Synthesis and characterization of vinyl-functionalized magnetic nanofibers for protein imprinting. 2015 , 51, 202-5	27
1448	Plasmonic silver nanoparticles loaded titania nanotube arrays exhibiting enhanced photoelectrochemical and photocatalytic activities. 2015 , 274, 885-893	24
1447	SPR based hollow prism used as refractive index sensor. 2015 , 126, 199-201	3
1446	Ultrahigh Q-factor and figure of merit Fano metamaterial based on dark ring magnetic mode. 2015 , 335, 60-64	12
1445	Nanoplasmonic biosensor: coupling electrochemistry to localized surface plasmon resonance spectroscopy on nanocup arrays. 2015 , 67, 237-42	35
1444	Engineering plasmonic nanorod arrays for colon cancer marker detection. 2015, 63, 472-477	25
1443	Electrochemical synthesis of nanostructured gold film for the study of carbohydrate-lectin interactions using localized surface plasmon resonance spectroscopy. 2015 , 405, 55-65	24
1442	Optical characterization of single plasmonic nanoparticles. 2015 , 44, 40-57	258
1441	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. 2015 , 7, 4598-810	2015
		2015
1440	systems. 2015 , 7, 4598-810	
1440	Polymer Fiber Optic Sensors 🖟 Mini Review of their Synthesis and Applications. 2016, 07,	31
1440 1439	Polymer Fiber Optic Sensors IA Mini Review of their Synthesis and Applications. 2016 , 07, Scientometric overview regarding the surface chemistry of nanobiomaterials. 2016 , 463-486	31
1440 1439 1438	Polymer Fiber Optic Sensors IA Mini Review of their Synthesis and Applications. 2016, 07, Scientometric overview regarding the surface chemistry of nanobiomaterials. 2016, 463-486 Effects of Nanocylinders on the Whispering Gallery Modes in a Microcylinder. 2016, 16,	31 4 5
1440 1439 1438	Polymer Fiber Optic Sensors IA Mini Review of their Synthesis and Applications. 2016, 07, Scientometric overview regarding the surface chemistry of nanobiomaterials. 2016, 463-486 Effects of Nanocylinders on the Whispering Gallery Modes in a Microcylinder. 2016, 16, Surface Plasmon Resonance-Based Fiber Optic Sensors Utilizing Molecular Imprinting. 2016, 16, Synthesis of Ball-Like Ag Nanorod Aggregates for Surface-Enhanced Raman Scattering and	314558
1440 1439 1438 1437	Polymer Fiber Optic Sensors IA Mini Review of their Synthesis and Applications. 2016, 07, Scientometric overview regarding the surface chemistry of nanobiomaterials. 2016, 463-486 Effects of Nanocylinders on the Whispering Gallery Modes in a Microcylinder. 2016, 16, Surface Plasmon Resonance-Based Fiber Optic Sensors Utilizing Molecular Imprinting. 2016, 16, Synthesis of Ball-Like Ag Nanorod Aggregates for Surface-Enhanced Raman Scattering and Catalytic Reduction. 2016, 6,	 31 4 5 58 4

1432	Fabrication and Characterization of Core/shell ZnO/Gold Nanostructures" and study of their Structural and Optical Properties. 2016 , 32, 2517-2523	9
1431	Enhancement of two-photon photoluminescence and SERS for low-coverage gold films. 2016 , 24, 16743-51	10
1430	Refractive index susceptibility of palladium nanoplates with plasmonic resonance in the visible region. 2016 , 6, 859	3
1429	Graphene-enhanced plasmonic nanohole arrays for environmental sensing in aqueous samples. 2016 , 7, 1564-1573	17
1428	Giant spectral transformations in plasmon-enhanced difference-frequency generation with polychromatic light. 2016 , 18, 125503	4
1427	Supramolecular Nanocomposites: Dual-Functional Cholesteric Hydroxypropyl Cellulose Esters Chemically Linked to Gold Nanoparticles. 2016 , 2, 290-296	3
1426	On-Electrode Synthesis of Shape-Controlled Hierarchical Flower-Like Gold Nanostructures for Efficient Interfacial DNA Assembly and Sensitive Electrochemical Sensing of MicroRNA. 2016 , 12, 3794-801	81
1425	Dual-Targeting Nanovesicles for In Situ Intracellular Imaging of and Discrimination between Wild-type and Mutant p53. 2016 , 55, 719-23	37
1424	Broadband Optical Absorption Caused by the Plasmonic Response of Coalesced Au Nanoparticles Embedded in a TiO2 Matrix. 2016 , 120, 16931-16945	24
1423	Active Nanorheology with Plasmonics. 2016 , 16, 4887-94	47
1422	Bimetallic Nanocrystals: Syntheses, Properties, and Applications. <i>Chemical Reviews</i> , 2016 , 116, 10414-7268.1	1046
1421	A localized surface plasmon resonance and light confinement-enhanced near-infrared light photodetector. 2016 , 10, 595-602	29
1420	Red to brown to green colorimetric detection of Ag+ based on the formation of Au-Ag core-shell NPs stabilized by a multi-sulfhydryl functionalized hyperbranched polymer. 2016 , 237, 216-223	24
1419	Plasmonic Gas Sensing Using Nanocube Patch Antennas. 2016 , 4, 634-642	36
1418	Quantum electrodynamics and plasmonic resonance of metallic nanostructures. 2016, 28, 155302	2
1417	Surface plasmon transmission through discontinuous conducting surfaces: Plasmon amplitude modulation by grazing scattered fields. 2016 , 6, 045316	3
	Plasmonic [email´protected] Nanorods with Boosted Refractive Index Susceptibility and SERS Efficiency: A Multifunctional Platform for Hydrogen Sensing and Monitoring of Catalytic Reactions.	71
1416	2016 , 28, 9169-9180	

1414	Enhancement of NO2gas detection in hybrid silver nanoparticles-phthalocyanine thin films. 2016 , 737, 012031	1
1413	Directional Scattering and Sensing with Bimetallic Fanocubes: A Complex Fano-Resonant Plasmonic Nanostructure. 2016 , 120, 29423-29431	9
1412	High sensitivity plasmonic biosensor based on nanoimprinted quasi 3D nanosquares for cell detection. 2016 , 27, 295101	33
1411	Unraveling the Organotellurium Chemistry Applied to the Synthesis of Gold Nanomaterials. 2016 , 1, 1314-1325	5
1410	Surface-Enhanced Raman Spectroscopy for the Characterization of Semiconductor Nanostructure Surfaces. 2016 , 163-180	1
1409	Gold-reinforced silver nanoprisms on optical fiber tapers A new base for high precision sensing. 2016 , 1, 066102	18
1408	Single-Nanoparticle Plasmonic Spectroelectrochemistry. 2016 , 57-96	4
1407	LSPR enhanced gasoline sensing with a U-bent optical fiber. 2016 , 49, 305104	27
1406	Dependence of SERS enhancement on the chemical composition and structure of Ag/Au hybrid nanoparticles. 2016 , 145, 054706	24
1405	Wavelength modulated SERS hot spot distribution in 1D nanostructures on metal film. 2016 , 49, 425301	5
1404	Plasmonic refractive index sensor based on metal insulator metal waveguide. 2016,	4
1403	Single-molecule detection of proteins with antigen-antibody interaction using resistive-pulse sensing of submicron latex particles. 2016 , 108, 123701	14
1402	Optical and acoustic sensing using Fano-like resonances in dual phononic and photonic crystal plate. 2016 , 119, 114502	44
1401	Plasmon spectroscopy: Theoretical and numerical calculations, and optimization techniques. 2016 , 1,	3
1400	Predicting kinetic nanocrystal shapes through multi-scale theory and simulation: Polyvinylpyrrolidone-mediated growth of Ag nanocrystals. 2016 , 145, 144106	21
1399	Toward a modular multi-material nanoparticle synthesis and assembly strategy via bionanocombinatorics: bifunctional peptides for linking Au and Ag nanomaterials. 2016 , 18, 30845-30856	7
1398	Refractive index and temperature nanosensor with plasmonic waveguide system. 2016 , 371, 132-137	16
1397	Heterodimer Nanostructures Induced Energy Focusing on Metal Film. 2016 , 120, 7778-7784	16

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1396	Nonamplification Sandwich Assay Platform for Sensitive Nucleic Acid Detection Based on AuNPs Enumeration with the Dark-Field Microscope. 2016 , 88, 4188-91	39
1395	Electrically Controlled Plasmonic Behavior of Gold [email´protected] Nanostructures: Transparent Plasmonic Aggregates. 2016 , 28, 2868-2881	55
1394	Nonlinear Plasmonic Sensing. 2016 , 16, 3155-9	114
1393	Synthesis of silver nanoparticles using analogous reducibility of phytochemicals. 2016 , 16, 738-747	12
1392	Refractive index sensor of Machiennder interferometer based on thermo-optic effect of SOI waveguide. 2016 , 127, 6366-6370	3
1391	Substrate-Independent Lattice Plasmon Modes for High-Performance On-Chip Plasmonic Sensors. 2016 , 11, 1427-1435	3
1390	CuS nanoplates for LSPR sensing in the second biological optical window. 2016 , 6, 1043	29
1389	Quantum Plasmonic Sensing: Beyond the Shot-Noise and Diffraction Limit. 2016 , 3, 992-999	42
1388	CoreBhell Nanoplasmonic Sensing for Characterization of Biocorona Formation and Nanoparticle Surface Interactions. 2016 , 1, 798-806	20
1387	Deviating from the nanorod shape: Shape-dependent plasmonic properties of silver nanorice and nanocarrot structures. 2016 , 11, 1	11
1386	Plasmonic Resonances in the Al13ICluster: Quantification and Origin of Exciton Collectivity. 2016 , 120, 12742-12750	24
1385	Synthesis of Fe3O4/N-TiO2/Ag Hollow Nanospheres and Their Application as Recyclable Photocatalysts. 2016 , 27, 403-415	12
1384	Finely tunable fabrication and catalytic activity of gold multipod nanoparticles. 2016, 469, 269-276	20
1383	Pd/Ag and Pd/Au bimetallic nanocatalysts on mesoporous silica for plasmon-mediated enhanced catalytic activity under visible light irradiation. 2016 , 4, 10142-10150	76
1382	Electrophoresis-enhanced localized surface plasmon resonance sensing based on nanocup array for thrombin detection. 2016 , 232, 219-225	20
1381	HSI colour-coded analysis of scattered light of single plasmonic nanoparticles. 2016 , 8, 11467-71	32
1380	Coupling non invasive and fast sampling of proteins from work of art surfaces to surface plasmon resonance biosensing: Differential and simultaneous detection of egg components for cultural heritage diagnosis and conservation. 2016 , 85, 83-89	5
1379	Laser printing of resonant plasmonic nanovoids. 2016 , 8, 12352-61	40

1378	Smartphone spectrometer for colorimetric biosensing. 2016 , 141, 3233-8	85
1377	3D plasmonic transducer based on gold nanoparticles produced by laser ablation on silica nanowires. 2016 , 122, 1	2
1376	Surface-enhanced Raman scattering studies of the reduction of p-nitroaniline catalyzed by a nanonized Ag porous-glass hybrid composite. 2016 , 166, 8-14	10
1375	Hydrogen and CO2 Reduction Reactions: Mechanisms and Catalysts. 2016 , 105-160	8
1374	The reactivity study of peptide A3-capped gold and silver nanoparticles with heavy metal ions. 2016 , 210, 37-42	11
1373	Dielectric functionalization for differential phase detecting localized surface plasmon resonance biosensor. 2016 , 234, 247-254	17
1372	Structural and Optical Properties of Discrete Dendritic Pt Nanoparticles on Colloidal Au Nanoprisms. 2016 , 120, 20843-20851	23
1371	Heterostructured semiconductor nanowire arrays for artificial photosynthesis. 2016 , 3, 270-282	89
1370	High sensitivity refractive index sensor based on simple diffraction from phase grating. 2016 , 41, 2101-4	5
1369	Chiral and Achiral Nanodumbbell Dimers: The Effect of Geometry on Plasmonic Properties. 2016 , 10, 6180-8	64
1368	Plasmonic Nanospectroscopy of Platinum Catalyst Nanoparticle Sintering in a Mesoporous Alumina Support. 2016 , 10, 5063-9	18
1367	Dopamine-assisted deposition and zwitteration of hyaluronic acid for the nanoscale fabrication of low-fouling surfaces. 2016 , 4, 4084-4091	40
1366	The effect of hot electrons and surface plasmons on heterogeneous catalysis. 2016 , 28, 254002	41
1365	Hot-electron-based solar energy conversion with metal-semiconductor nanodiodes. 2016 , 28, 254006	20
1364	Rhodium Plasmonics for Deep-Ultraviolet Bio-Chemical Sensing. 2016 , 11, 839-849	20
1363	Theoretical Study on Enhancement of Sensing Capability of Plasmonic Dimer Au Nanoparticles with Amphiphilic Polymer Brushes. 2016 , 120, 11068-11077	7
1362	PEGylated Artificial Antibodies: Plasmonic Biosensors with Improved Selectivity. 2016 , 8, 23509-16	34
1361	Resonant dielectric nanostructures: a low-loss platform for functional nanophotonics. 2016 , 18, 103001	161

1360	Measure and control: molecular management is a key to the Sustainocene!. 2016 , 18, 5689-5692	7
1359	Mechanism of adsorption of single and double stranded DNA on gold and silver nanoparticles: Investigating some important parameters in bio-sensing applications. 2016 , 148, 657-664	41
1358	Gold nano-ripple structure with potential for bio molecular sensing applications. 2016 , 11, 14-19	7
1357	Role of shape in substrate-induced plasmonic shift and mode uncovering on gold nanocrystals. 2016 , 8, 17645-17657	41
1356	High-efficiency refractive index sensor based on the metallic nanoslit arrays with gain-assisted materials. 2016 , 5, 548-555	15
1355	Absorption Spectroscopy of an Individual Fano Cluster. 2016 , 16, 6497-6503	32
1354	Dual-Responsive Reversible Plasmonic Behavior of CoreBhell Nanostructures with pH-Sensitive and Electroactive Polymer Shells. 2016 , 28, 7551-7563	40
1353	Fabrication and Unique Optical Properties of Two-Dimensional Silver Nanorod Arrays with Nanometer Gaps on a Silicon Substrate from a Self-Assembled Template of Diblock Copolymer. 2016 , 32, 12504-12510	3
1352	Plasmonically Engineered Nanoprobes for Biomedical Applications. 2016 , 138, 14509-14525	149
1351	Plasmonic-heating-induced nanofabrication on glass substrates. 2016 , 8, 18187-18196	17
1350	Dual Signal Amplification Using Gold Nanoparticles-Enhanced Zinc Selenide Nanoflakes and P19 Protein for Ultrasensitive Photoelectrochemical Biosensing of MicroRNA in Cell. 2016 , 88, 10459-10465	71
1349	Nanotribology: Green Nanotribology and Related Sustainability Aspects. 2016 , 898-902	
1348	Lithography-Free Fabrication of Silica Nanocylinders with Suspended Gold Nanorings for LSPR-Based Sensing. 2016 , 12, 6745-6752	21
1347	Rapid, Large-Area Synthesis of Hierarchical Nanoporous Silica Hybrid Films on Flexible Substrates. 2016 , 138, 13473-13476	29
1346	Binary System for MicroRNA-Targeted Imaging in Single Cells and Photothermal Cancer Therapy. 2016 , 88, 8640-7	44
1345	Liquid-Liquid Interfacial Electron Transfer from Ferrocene to Gold(III): An Ultrasimple and Ultrafast Gold Nanoparticle Synthesis in Water under Ambient Conditions. 2016 , 55, 6361-3	23
1344	Gate-Tunable Spatial Modulation of Localized Plasmon Resonances. 2016 , 16, 5688-93	20

1342	Thickness Control Produces Gold Nanoplates with Their Plasmon in the Visible and Near-Infrared Regions. 2016 , 4, 76-85	69
1341	Anodic Ag/TiO2 nanotube array formation in NaOH/fluoride/ethylene glycol electrolyte as a photoanode for dye-sensitized solar cells. 2016 , 27, 355605	16
1340	Tuning the plasmonic properties of silver nanopatterns fabricated by shadow nanosphere lithography. 2016 , 27, 385301	14
1339	Enlightening surface plasmon resonance effect of metal nanoparticles for practical spectroscopic application. 2016 , 6, 86174-86211	121
1338	Near-Infrared Optical Extinction of Indium Tin Oxide Structures Prepared by Nanosphere Lithography. 2016 , 3, 1993-1999	13
1337	Mapping the local particle plasmon sensitivity with a scanning probe. 2016 , 8, 16449-54	7
1336	A compact imaging spectroscopic system for biomolecular detections on plasmonic chips. 2016 , 141, 6126-6132	1
1335	Plasmonic-ELISA: expanding horizons. 2016 , 6, 85440-85456	71
1334	Nanoparticle polymer composites on solid substrates for plasmonic sensing applications. 2016 , 11, 415-434	45
1333	Large-Area Low-Cost Plasmonic Perfect Absorber Chemical Sensor Fabricated by Laser Interference Lithography. 2016 , 1, 1148-1154	48
1332	Tunable double resonance of silver nanodecahedron on the insulator/conductor film. 2016, 24, 10611-9	О
1331	Electrically Excited Plasmonic Nanoruler for Biomolecule Detection. 2016 , 16, 5728-36	21
1330	A localized and propagating SPR, and molecular imprinting based fiber-optic ascorbic acid sensor using an in situ polymerized polyaniline-Ag nanocomposite. 2016 , 27, 345501	28
1329	Highly sensitive and well reproducible Surface-enhanced Raman spectroscopy from silver triangular platelets. 2016 , 161, 599-605	8
1328	Backward-scattering-based Localized Surface Plasmon Resonance Sensors with Gold Nanospheres and Nanoshells. 2016 , 32, 271-4	8
1327	Dispersion and shape engineered plasmonic nanosensors. 2016 , 7, 11331	118
1326	Thermal and Chemical Stabilization of Silver Nanoplates for Plasmonic Sensor Application. 2016 , 32, 275-80	2
1325	Optical Biosensors Based on Plasmonic Nanostructures: A Review. 2016 , 104, 2380-2408	225

1324	Dual focused coherent beams for three-dimensional optical trapping and continuous rotation of metallic nanostructures. 2016 , 6, 29449	10
1323	Theoretical Comparison of Optical Properties of Near-Infrared Colloidal Plasmonic Nanoparticles. 2016 , 6, 34189	24
1322	Localized surface plasmon resonance frequency tuning in highly doped InAsSb/GaSb one-dimensional nanostructures. 2016 , 27, 425201	16
1321	Magnesium plasmonics for UV applications and chiral sensing. 2016 , 52, 12179-12182	55
1320	Surface plasmon resonance for water pollutant detection and water process analysis. 2016 , 85, 153-165	39
1319	Plasmonic properties of nanopatterns fabricated by nanosphere shadowing lithography. 2016 ,	
1318	Mechanistic exploration and controlled synthesis of precise thiolate-gold nanoclusters. 2016, 329, 1-15	144
1317	An Analytical Formulation Enabling Analysis of Resonance Eigenmodes and Their Interferences in Scattering From Plasmonic Nanostructures, Applications in Engineering the Radiation Loss. 2016 , 52, 1-9	1
1316	Optical biosensors. 2016 , 60, 91-100	343
1315	High-Speed Calcium Imaging of Neuronal Activity Using Acousto-Optic Deflectors. 2016 , 331-356	1
1314	A series of phosphorescent Cu(I) complexes: Synthesis, photophysical feature and optical oxygen sensing performance in MCM-41 silica matrix. 2016 , 233, 347-354	13
1313	Electron tunneling through water layer in nanogaps probed by plasmon resonances. 2016 , 93,	6
1312	Broadband Photoresponse Enhancement of a High-Performance t-Se Microtube Photodetector by Plasmonic Metallic Nanoparticles. 2016 , 26, 6641-6648	94
1311	All-semiconductor plasmonic gratings for biosensing applications in the mid-infrared spectral range. 2016 , 24, 16175-90	46
1310	Copper Nanoparticle Modified Pencil Graphite Electrode for Electroanalysis of Adenine. 2016 , 28, 2834-2840	8
1309	Ultrasensitive Plasmonic Platform for Label-Free Detection of Membrane-Associated Species. 2016 , 88, 7968-74	19
1308	A simple and efficient design to improve the detection of biotin-streptavidin interaction with plasmonic nanobiosensors. 2016 , 86, 728-735	28
1307	Nanomanipulation and controlled self-assembly of metal nanoparticles and nanocrystals for plasmonics. 2016 , 45, 5672-5716	122

1306	A "chemical nose" biosensor for detecting proteins in complex mixtures. 2016 , 141, 5627-36	11
1305	From Dark to Bright: First-Order Perturbation Theory with Analytical Mode Normalization for Plasmonic Nanoantenna Arrays Applied to Refractive Index Sensing. 2016 , 116, 237401	58
1304	Enhanced Raman Scattering with Dielectrics. <i>Chemical Reviews</i> , 2016 , 116, 14921-14981 68.1	350
1303	Ultrashort, Angstrom-Scale Decay of Surface-Enhanced Raman Scattering at Hot Spots. 2016 , 120, 24973-249	9813
1302	Emission enhancement in indium zinc oxide(IZO)/Ag/IZO sandwiched structure due to surface plasmon resonance of thin Ag film. 2016 , 389, 906-910	11
1301	Gold Nanorods Sense the Ultrafast Viscoelastic Deformation of Polymers upon Molecular Strain Actuation. 2016 , 120, 24957-24964	
1300	Single Particle Nanoplasmonic Sensing in Individual Nanofluidic Channels. 2016 , 16, 7857-7864	31
1299	Split resonance modes of a AuBRC plasmonic nanosystem caused by the coupling effect. 2016 , 49, 505103	2
1298	Blu-ray-sensitive localized surface plasmon resonance for high-density optical memory. 2016 , 6, 36701	18
1297	Structural, optical and electronic properties of AgliO2 nanocomposite thin film. 2016, 122, 1	13
1296	Transient Induced Molecular Electronic Spectroscopy (TIMES) for study of protein-ligand interactions. 2016 , 6, 35570	4
1295	Visual Monitoring of Food Spoilage Based on Hydrolysis-Induced Silver Metallization of Au Nanorods. 2016 , 88, 11022-11027	65
1294	Magneto-optical plasmonic heterostructure with ultranarrow resonance for sensing applications. 2016 , 6, 28077	86
1293	Gold nanoprism-nanorod face off: comparing the heating efficiency, cellular internalization and thermoablation capacity. 2016 , 11, 2903-2916	29
1292	HighMield Production of Uniform Gold Nanoparticles with Sizes from 31 to 577 nm via One-Pot Seeded Growth and Size-Dependent SERS Property. 2016 , 33, 924-932	33
1291	Gel electrophoretic analysis of differently shaped interacting and non-interacting bioconjugated nanoparticles. 2016 , 6, 109613-109619	2
1290	Role of ZnO and CeOx in Cu-Based Model Catalysts in Activation of H2O and CO2 Dynamics Studied by in Situ Ultravioletly isible and X-ray Photoelectron Spectroscopy. 2016 , 6, 7994-8003	28
1289	Quadrupole lattice resonances in plasmonic crystal excited by cylindrical vector beams. 2016 , 6, 34967	18

(2016-2016)

1288	Gold nanoparticles encapsulated in a soda-lime glass substrate for plasmonic temperature sensing. 2016 , 11, 37-44	1
1287	Self-assembly of gold nanorods coated with phospholipids: a coarse-grained molecular dynamics study. 2016 , 27, 465704	8
1286	Spatially multiplexed dark-field microspectrophotometry for nanoplasmonics. 2016 , 6, 22836	14
1285	Gold Nanobipyramid-Supported Silver Nanostructures with Narrow Plasmon Linewidths and Improved Chemical Stability. 2016 , 26, 341-352	87
1284	Highly Disordered Array of Silicon Nanowires: an Effective and Scalable Approach for Performing and Flexible Electrochemical Biosensors. 2016 , 5, 575-83	18
1283	Wafer-Scale Nanopillars Derived from Block Copolymer Lithography for Surface-Enhanced Raman Spectroscopy. 2016 , 8, 15668-75	31
1282	Plasmonic Metasurfaces for Nonlinear Optics and Quantitative SERS. 2016 , 3, 1371-1384	59
1281	Localized surface plasmon resonance in multiwalled carbon nanotubes. 2016,	
1280	In Vivo Dynamic Monitoring of Small Molecules with Implantable Polymer-Dot Transducer. 2016 , 10, 6769-81	103
1279	Future prospects of luminescent nanomaterial based security inks: from synthesis to anti-counterfeiting applications. 2016 , 8, 14297-340	261
1278	Tunable dark plasmons in a metallic nanocube dimer: toward ultimate sensitivity nanoplasmonic sensors. 2016 , 8, 13722-9	42
1277	A reliable aptamer array prepared by repeating inkjet-spotting toward on-site measurement. 2016 , 85, 943-949	6
1276	Raman and FTIR Spectroscopy as Valuable Tools for the Characterization of Graphene-Based Materials. 2016 , 235-253	1
1275	Molecular electronic plasmonics. 2016 , 3, 73-86	53
1274	A refractive-index biosensor based on directional coupling of silica waveguides. 2016 , 127, 4019-4023	4
1273	Cluster ion beam assisted fabrication of metallic nanostructures for plasmonic applications. 2016 , 380, 20-25	8
1272	Ag micro-spheres doped silica fiber used as a miniature refractive index sensor. 2016 , 223, 241-245	4
1271	Surface chemistry of Au/TiO2: Thermally and photolytically activated reactions. 2016 , 71, 77-271	88

1270	Non-covalent adsorption of amino acid analogues on noble-metal nanoparticles: influence of edges and vertices. 2016 , 18, 17525-33	20
1269	High Performance Infrared Plasmonic Metamaterial Absorbers and Their Applications to Thin-film Sensing. 2016 , 11, 1557-1563	16
1268	Electrochemical redox-based tuning of near infrared localized plasmons of CuS nanoplates. 2016 , 8, 14092-6	17
1267	Zero-Reflectance Metafilms for Optimal Plasmonic Sensing. 2016 , 4, 328-335	15
1266	Dual-Targeting Nanovesicles for In Situ Intracellular Imaging of and Discrimination between Wild-type and Mutant p53. 2016 , 128, 729-733	7
1265	Engineering the bioelectrochemical interface using functional nanomaterials and microchip technique toward sensitive and portable electrochemical biosensors. 2016 , 76, 80-90	78
1264	Strong Near-Field Coupling of Plasmonic Resonators Embedded in Si Nanowires. 2016 , 3, 184-189	14
1263	Irradiation Wavelength-Dependent Photocurrent Sensing Characteristics of AuNPs/P3HT Composites on Volatile Vapor. 2016 , 16, 596-602	3
1262	Propagating and localized surface plasmon resonance sensing DA critical comparison based on measurements and theory. 2016 , 7, 62-70	55
1261	Recent advances in cytokine detection by immunosensing. 2016 , 79, 810-21	85
1260	Nanochemistry and Nanomedicine for Nanoparticle-based Diagnostics and Therapy. <i>Chemical Reviews</i> , 2016 , 116, 2826-85	962
1259	Facet Control of Gold Nanorods. 2016 , 10, 2960-74	87
1258	Plasmonic MoO3-x@MoO3 nanosheets for highly sensitive SERS detection through nanoshell-isolated electromagnetic enhancement. 2016 , 52, 2893-6	116
1257	Peptide Functionalized Nanoplasmonic Sensor for Explosive Detection. 2016 , 8, 36-43	16
1256	Aluminum-based localized surface plasmon resonance for biosensing. 2016 , 80, 486-494	32
1255	Circular dichroism based refractive index sensing using chiral metamaterials. 2016 , 52, 2047-50	25
1254	Quantification of proteins using enhanced etching of Ag coated Au nanorods by the Cu(2+)/bicinchoninic acid pair with improved sensitivity. 2016 , 8, 780-4	12
1253	Naked-eye sensitive ELISA-like assay based on gold-enhanced peroxidase-like immunogold activity. 2016 , 408, 1015-22	51

1252	Integrated Photonic Nanofences: Combining Subwavelength Waveguides with an Enhanced Evanescent Field for Sensing Applications. 2016 , 10, 778-85	28
1251	Hyperspectral imaging of plasmon resonances in metallic nanoparticles. 2016 , 81, 287-293	21
1250	A luminescence resonance energy transfer based aptasensor for the mycotoxin Ochratoxin A using upconversion nanoparticles and gold nanorods. 2016 , 183, 1909-1916	60
1249	Tuning the Plasmonic Response up: Hollow Cuboid Metal Nanostructures. 2016 , 3, 770-779	36
1248	Tunable Localized Hybrid Plasmon Modes and Fano Resonances in Au Core-Semishell. 2016 , 11, 1351-1359	8
1247	Plasmonic Nanofabrication through Optical Heating. 2016 , 120, 6723-6732	28
1246	Directional Coupler Biosensor Based on Thermooptic Detection Mechanism in Silica Waveguide. 2016 , 8, 1-8	1
1245	An LSPR fiber optic sensor based on in-line micro-holes fabricated by a second harmonic 400nm femtosecond laser. 2016 ,	
1244	Novel localized surface plasmon resonance based optical fiber sensor. 2016,	1
1243	Localized surface plasmon resonance gas sensor of Au nano-islands coated with molecularly imprinted polymer: Influence of polymer thickness on sensitivity and selectivity. 2016 , 231, 787-792	20
1242	Quantifying the Plasmonic Character of Optical Excitations in Nanostructures. 2016 , 3, 520-525	41
1241	Plasmonic nanoparticles in biomedicine. 2016 , 11, 168-188	79
1240	Combining localized surface plasmon resonance with anodic stripping voltammetry for heavy metal ion detection. 2016 , 231, 349-356	37
1239	Switchable Materials for Smart Windows. 2016 , 7, 283-304	2 80
1238	Gold nanorod synthesis catalysed by Au clusters. 2016 , 191, 205-213	11
1237	Recent advances of nanostructure implemented spectroscopic sensors brief overview. 2016 , 51, 656-668	12
1236	Femto-molar detection of cancer marker-protein based on immuno-nanoplasmonics at single-nanoparticle scale. 2016 , 27, 185103	8
1235	The fluence threshold of femtosecond laser blackening of metals: The effect of laser-induced ripples. 2016 , 79, 79-87	24

1234	. 2016 , 65, 317-327	37
1233	Laser-driven phase transitions in aqueous colloidal gold nanoparticles under high pressure: picosecond pump-probe study. 2016 , 18, 4994-5004	14
1232	Elevated gold ellipse nanoantenna dimers as sensitive and tunable surface enhanced Raman spectroscopy substrates. 2016 , 8, 5641-8	23
1231	Fiber Optic Surface Plasmon Resonance-Based Biosensor Technique: Fabrication, Advancement, and Application. 2016 , 46, 213-23	56
1230	Electrodeposition of silver nanoparticle arrays on transparent conductive oxides. 2016 , 369, 178-182	10
1229	Near-infrared light-responsive inorganic nanomaterials for photothermal therapy. 2016 , 11, 349-364	154
1228	Asymmetric Aluminum Antennas for Self-Calibrating Surface-Enhanced Infrared Absorption Spectroscopy. 2016 , 3, 354-360	89
1227	Lactose-Functionalized Gold Nanorods for Sensitive and Rapid Serological Diagnosis of Cancer. 2016 , 8, 5813-20	26
1226	Plasmon Response and Electron Dynamics in Charged Metallic Nanoparticles. 2016 , 32, 2829-40	29
1225	Gold-based hybrid nanomaterials for biosensing and molecular diagnostic applications. 2016 , 80, 543-559	65
1224	Tuning the EDTA-induced self-assembly and plasmonic spectral properties of gold nanorods: application in surface-enhanced Raman scattering. 2016 , 18, 1	1
1223	Smartphone based LSPR sensing platform for bio-conjugation detection and quantification. 2016 , 6, 21871-21880	76
1222	Gold nanoparticles as sensitive optical probes. 2016 , 141, 1611-26	67
1221	Developing localized surface plasmon resonance biosensor chips and fiber optics via direct surface modification of PMMA optical waveguides. 2016 , 492, 100-109	20
1220	Room temperature CO oxidation catalyzed by NiO particles on mesoporous SiO2 prepared via atomic layer deposition: Influence of pre-annealing temperature on catalytic activity. 2016 , 414, 87-93	28
1219	Plasmon Peak Sensitivity Investigation of Individual Cu and Cu@Cu2O CoreBhell Nanoparticle Sensors. 2016 , 11, 1197-1200	8
1218	Hydrothermal synthesis of Ag@MSiO2@Ag three core-shell nanoparticles and their sensitive and stable SERS properties. 2016 , 8, 4908-14	40
1217	Localized Surface Plasmon Resonance Gas Sensor Based on Molecularly Imprinted Polymer Coated Au Nano-Island Films: Influence of Nanostructure on Sensing Characteristics. 2016 , 16, 3532-3540	11

Designing Commensurate and Incommensurate Resonances for Enhanced Dipole Emission in Coupled Plasmonic Nanorods. **2016**, 11, 825-831

1215	An analytical solution for light scattering by metallic cylindrical nanoparticles with coreBhell structure. 2016 , 30, 1650041	
1214	Portable and economical plasmonic capillary sensor for biomolecular detection. 2016 , 231, 203-210	9
1213	Fabrication of plasmonic Au/TiO 2 nanotube arrays with enhanced photoelectrocatalytic activities. 2016 , 42, 9387-9395	36
1212	Gold nanostar-enhanced surface plasmon resonance biosensor based on carboxyl-functionalized graphene oxide. 2016 , 913, 137-44	36
1211	Nanoplasmonic ruler to measure lipid vesicle deformation. 2016 , 52, 76-9	41
121 0	Plasmonic nanohole arrays on Si-Ge heterostructures: an approach for integrated biosensors. 2016 ,	1
1209	Reduced graphene oxide nanosheets decorated with Au-Pd bimetallic alloy nanoparticles towards efficient photocatalytic degradation of phenolic compounds in water. 2016 , 8, 8276-87	91
1208	Probing the Localized Surface Plasmon Field of a Gold Nanoparticle-Based Fibre Optic Biosensor. 2016 , 11, 753-761	26
1207	Current analytical methods for plant auxin quantificationA review. 2016 , 902, 8-21	36
1206	Recent advancement on micro-/nano-spherical lens photolithography based on monolayer colloidal crystals. 2016 , 228, 105-22	39
1205	Investigating the stability of gold nanorods modified with thiol molecules for biosensing. 2016 , 6, 174-178	3
1204	Three dimensional sensitivity characterization of plasmonic nanorods for refractometric biosensors. 2016 , 8, 2974-81	8
1203	Tailoring broadband radiative properties of glass with silver nano-pillars for saving energy. 2016 , 102, 17-25	8
1202	Au nanoparticles decoration of silica nanowires for improved optical bio-sensing. 2016 , 226, 589-597	12
1201	Single plasmonic nanoparticles for ultrasensitive DNA sensing: From invisible to visible. 2016 , 79, 266-72	24
1200	Gold nanocubes Direct comparison of synthesis approaches reveals the need for a microfluidic synthesis setup for a high reproducibility. 2016 , 288, 432-440	38
1199	Tunable Plasmonic Resonances in the Hexagonal Nanoarrays of Annular Aperture for Biosensing. 2016 , 11, 205-212	18

1198	Side-Coupled Cavity-Induced Fano Resonance and Its Application in Nanosensor. 2016 , 11, 307-313	20
1197	Self-referencing fiber optic particle plasmon resonance sensing system for real-time biological monitoring. 2016 , 146, 291-8	22
1196	Ascertaining Plasmonic Hot Electrons Generation from Plasmon Decay in Hybrid Plasmonic Modes. 2016 , 11, 909-915	4
1195	Optimizing the figure of merit of gold nanoshell-based refractive index sensing. 2016 , 127, 250-253	8
1194	Visual and colorimetric detection of p-aminophenol in environmental water and human urine samples based on anisotropic growth of Ag nanoshells on Au nanorods. 2016 , 148, 62-8	41
1193	Photonic hydrogel sensors. 2016 , 34, 250-71	120
1192	Solar Energy for Fuels. 2016 ,	5
1191	Modeling of a plasmonic nanosensor based on an open box-like metal cavity. 2016 , 63, 756-761	2
1190	Enhancement of Localized Surface Plasmon Resonance polymer based biosensor chips using well-defined glycopolymers for lectin detection. 2016 , 462, 19-28	15
1189	Real-time concentration monitoring in microfluidic system via plasmonic nanocrescent arrays. 2016 , 77, 385-92	19
1188	Multi-Band High Refractive Index Susceptibility of Plasmonic Structures with Network-Type Metasurface. 2016 , 11, 677-682	16
1187	High-sensitivity plasmonic sensor based on perfect absorber with metallic nanoring structures. 2016 , 63, 177-183	30
1186	Optical Properties and Liquid Sensitivity of Au-SiO2-Au Nanobelt Structure. 2016 , 11, 1-9	45
1185	Tailoring Plasmon Lifetime in Suspended Nanoantenna Arrays for High-Performance Plasmon Sensing. 2017 , 12, 529-534	38
1184	Tailored Aggregate-Free Au Nanoparticle Decorations with Sharp Plasmonic Peaks on a U-Type Optical Fiber Sensor by Nanosecond Laser Irradiation. 2017 , 12, 535-543	3
1183	Label-free detection of 3-nitro-l-tyrosine with nickel-doped graphene localized surface plasmon resonance biosensor. 2017 , 89, 468-476	35
1182	One Dimensional Plasmonic Grating: High Sensitive Biosensor. 2017 , 12, 19-25	32
1181	Gold-Graphene Core-Shell Nanostructure Surface Plasmon Sensors. 2017 , 12, 783-794	15

1180	Sensitivity. 2017 , 12, 631-640	4
1179	Ion beam surface nanostructuring of noble metal films with localized surface plasmon excitation. 2017 , 21, 177-188	5
1178	Single-Step DNA Detection Assay Monitoring Dual-Color Light Scattering from Individual Metal Nanoparticle Aggregates. 2017 , 2, 251-256	11
1177	Surface plasmon resonance based fiber optic trichloroacetic acid sensor utilizing layer of silver nanoparticles and chitosan doped hydrogel. 2017 , 28, 065503	21
1176	Label-Free LSPR Detection of Trace Lead(II) Ions in Drinking Water by Synthetic Poly(mPD-co-ASA) Nanoparticles on Gold Nanoislands. 2017 , 89, 1985-1993	17
1175	Tuning and Locking the Localized Surface Plasmon Resonances of CuS (Covellite) Nanocrystals by an Amorphous CuPd S Shell. 2017 , 29, 1716-1723	34
1174	Refractive Index Sensing Using Visible Electromagnetic Resonances of Supported CuO Particles. 2017 , 9, 8177-8186	14
1173	Adjust band gap of IATO nanoparticles to obtain desirable optical property by one-step hydrothermal oxidation. 2017 , 17, 584-591	3
1172	A Dual-Modal SERS/Fluorescence Gold Nanoparticle Probe for Mitochondrial Imaging. 2017 , 82, 674-680	7
1171	Super-Resolution Imaging and Plasmonics. <i>Chemical Reviews</i> , 2017 , 117, 7538-7582 68.1	173
1171	Super-Resolution Imaging and Plasmonics. <i>Chemical Reviews</i> , 2017 , 117, 7538-7582 68.1 Simultaneous measurement of temperature and magnetic field based on cascaded photonic crystal fibers with surface plasmon resonance. 2017 , 134, 257-263	173
1170	Simultaneous measurement of temperature and magnetic field based on cascaded photonic crystal	
1170	Simultaneous measurement of temperature and magnetic field based on cascaded photonic crystal fibers with surface plasmon resonance. 2017 , 134, 257-263	
1170 1169 1168	Simultaneous measurement of temperature and magnetic field based on cascaded photonic crystal fibers with surface plasmon resonance. 2017 , 134, 257-263 Regulating the surface plasmon resonance coupling between Au-nanoparticle and Au-film. 2017 ,	8
1170 1169 1168	Simultaneous measurement of temperature and magnetic field based on cascaded photonic crystal fibers with surface plasmon resonance. 2017, 134, 257-263 Regulating the surface plasmon resonance coupling between Au-nanoparticle and Au-film. 2017, Ultraviolet Analysis of Gold Nanorod and Nanosphere Solutions. 2017, 121, 5201-5207	8 10 13
1170 1169 1168 1167	Simultaneous measurement of temperature and magnetic field based on cascaded photonic crystal fibers with surface plasmon resonance. 2017, 134, 257-263 Regulating the surface plasmon resonance coupling between Au-nanoparticle and Au-film. 2017, Ultraviolet Analysis of Gold Nanorod and Nanosphere Solutions. 2017, 121, 5201-5207 . 2017, 23, 1-7	8 10 13
1170 1169 1168 1167 1166	Simultaneous measurement of temperature and magnetic field based on cascaded photonic crystal fibers with surface plasmon resonance. 2017, 134, 257-263 Regulating the surface plasmon resonance coupling between Au-nanoparticle and Au-film. 2017, Ultraviolet Analysis of Gold Nanorod and Nanosphere Solutions. 2017, 121, 5201-5207 . 2017, 23, 1-7 Plasmonic Nanospectroscopy for Thermal Analysis of Organic Semiconductor Thin Films. 2017, 89, 2575-2582 A Facile and Green Synthetic Route for Preparation of Heterostructure Fe3O4@Au	8 10 13 24

1162	Mechanical Trap Surface-Enhanced Raman Spectroscopy for Three-Dimensional Surface Molecular Imaging of Single Live Cells. 2017 , 129, 3880-3884	17
1161	Enhanced Peroxidase-Like Performance of Gold Nanoparticles by Hot Electrons. 2017 , 23, 6717-6723	45
1160	Hybrid plasmonic-photonic whispering gallery mode resonators for sensing: a critical review. 2017 , 142, 883-898	56
1159	Surface Plasmon Resonance Damping in Spheroidal Metal Particles: Quantum Confinement, Shape, and Polarization Dependences. 2017 , 121, 5693-5708	13
1158	Plasmon-coupled resonance energy transfer: A real-time electrodynamics approach. 2017 , 146, 064109	35
1157	Utilization of hybrid plasmonic modes to investigate surface interactions between nanocubes and polymer substrates. 2017 , 123, 1	4
1156	Widely Tunable Plasmon Resonances from Visible to Near-Infrared of Hollow Silver Nanoshells. 2017 , 90, 537-545	10
1155	Refractive index sensing with Fano resonances in silicon oligomers. 2017 , 375,	16
1154	Integrated lab-on-a-chip sensor using shallow silicon waveguide multimode interference (MMI) device. 2017 ,	
1153	Topology induced anomalous plasmon modes in metallic MBius nanorings. 2017 , 11, 1600219	8
1152	Raman spectroscopy using plasmonic and carbon-based nanoparticles for cancer detection, diagnosis, and treatment guidance.Part 1: Diagnosis. 2017 , 49, 212-252	13
1151	Local characterization of light trapping effects of metallic and dielectric nanoparticles in ultra-thin Cu(In,Ga)Se2 solar cells via scanning near-field optical microscopy. 2017 ,	
1150	Highly photoresponsive, ZnO nanorod-based photodetector for operation in the visible spectral range. 2017 , 28, 145203	5
1149	High enhancement factor of Au nano triangular prism structure for surface enhanced coherent anti-Stokes Raman scattering. 2017 , 38, 022001	2
1148	Manipulation of Surface Plasmon Resonance in Sub-Stoichiometry Molybdenum Oxide Nanodots through Charge Carrier Control Technique. 2017 , 121, 5208-5214	45
1147	Engineering of Surface Chemistry for Enhanced Sensitivity in Nanoporous Interferometric Sensing Platforms. 2017 , 9, 8929-8940	24
1146	Gold-Gilded Zinc Oxide Nanodiamonds: Plasmonic and Morphological Effects. 2017 , 16, 1750004	4
1145	Inflection Point of the Localized Surface Plasmon Resonance Peak: A General Method to Improve the Sensitivity. 2017 , 2, 235-242	36

1144	A fullerene alloy based photovoltaic blend with a glass transition temperature above 200 °C. 2017 , 5, 4156-4162	16
1143	Formation of charge-nanopatterned templates with flexible geometry via layer by layer deposition of polyelectrolytes for directed self-assembly of gold nanoparticles. 2017 , 28, 135303	10
1142	Development of a new colorimetric assay for detection of bisphenol-A in aqueous media using green synthesized silver chloride nanoparticles: experimental and theoretical study. 2017 , 409, 2847-2858	12
1141	Lasing Enhanced Surface Plasmon Resonance Sensing. 2017 , 6, 472-478	46
1140	Engineered Au Core@Prussian Blue Analogous Shell Nanoheterostructures: Their Magnetic and Optical Properties. 2017 , 23, 7483-7496	9
1139	Plasmon-induced charge separation: chemistry and wide applications. 2017 , 8, 3325-3337	151
1138	Interferometric and localized surface plasmon based fiber optic sensor. 2017,	
1137	Colorimetric biosensor for the assay of paraoxon in environmental water samples based on the iodine-starch color reaction. 2017 , 967, 59-63	38
1136	How Light Is Emitted by Plasmonic Metals. 2017, 17, 2568-2574	93
1135	Decoration of silica nanowires with gold nanoparticles through ultra-short pulsed laser deposition. 2017 , 418, 430-436	7
1134	Colorimetric sensor assay for detection of hydrogen peroxide using green synthesis of silver chloride nanoparticles: Experimental and theoretical evidence. 2017 , 246, 979-987	31
1133	Mechanical Trap Surface-Enhanced Raman Spectroscopy for Three-Dimensional Surface Molecular Imaging of Single Live Cells. 2017 , 56, 3822-3826	59
1132	Size-Controlled Pd Nanoparticle Catalysts Prepared by Galvanic Displacement into a Porous Si-Iron Oxide Nanoparticle Host. 2017 , 11, 2773-2784	56
1131	Compound Copper Chalcogenide Nanocrystals. <i>Chemical Reviews</i> , 2017 , 117, 5865-6109 68.1	493
1130	Tailored Surfaces/Assemblies for Molecular Plasmonics and Plasmonic Molecular Electronics. 2017 , 10, 201-224	7
1129	Application of Gold(III) Acetate as a New Precursor for the Synthesis of Gold Nanoparticles in PEG Through Ultrasonic Spray Pyrolysis. 2017 , 28, 1647-1665	16
1128	Design of SiBiO2 phoxonic crystal having defect layer for simultaneous sensing of biodiesel in a binary mixture of diesel through optical and acoustic waves. 2017 , 63, 159-167	9
1127	Development of a simplified approach for the fabrication of localised surface plasmon resonance sensors based on gold nanorods functionalized using mixed polyethylene glycol layers. 2017 , 974, 87-92	22

1126	Surface plasmon resonance in gold nanoparticles: a review. 2017 , 29, 203002	686
1125	Effect of core@shell (Au@Ag) nanostructure on surface plasmon-induced photocatalytic activity under visible light irradiation. 2017 , 211, 11-17	38
1124	Preparation of Ag nanoparticle surface modified TiO2 nanotube arrays and establishment of a catalytic kinetic model. 2017 ,	
1123	First step towards an interferometric and localized surface plasmon fiber optic sensor. 2017 ,	
1122	Achieving biosensing at attomolar concentrations of cardiac troponin T in human biofluids by developing a label-free nanoplasmonic analytical assay. 2017 , 142, 2442-2450	23
1121	Shape-, size-, and density-tunable synthesis and optical properties of copper nanoparticles. 2017 , 19, 3254-3262	16
1120	DNA origami/gold nanorod hybrid nanostructures for the circumvention of drug resistance. 2017 , 9, 7750-775	i4 ₇ 6
1119	Nanophotonic label-free biosensors for environmental monitoring. 2017 , 45, 175-183	43
1118	Properties of a novel Ba5Si8O21:Eu2+, Nd3+ phosphor: Bulk and 1D nanostructure with PVP synthesized by sol-gel and electrospinning. 2017 , 712, 213-218	5
1117	Chiral Surface of Nanoparticles Determines the Orientation of Adsorbed Transferrin and Its Interaction with Receptors. 2017 , 11, 4606-4616	81
1116	Gold mesoflowers with a high density of multilevel long sharp tips: synthesis and characterization. 2017 , 5, 4884-4891	9
1115	Two-dimensional array of plasmonic V-shaped grooves for sensing applications. 2017 ,	1
1114	Application of the localized surface plasmon resonance of gold nanoparticles for the determination of 1,1-dimethylhydrazine in water: Toward green analytical chemistry. 2017 , 72, 430-436	7
1113	Analysis of the electron transfer properties of carbon quantum dots on gold nanorod surfaces via plasmonic resonance scattering spectroscopy. 2017 , 53, 5729-5732	12
1112	Plasmon-Coupled Resonance Energy Transfer. 2017 , 8, 2357-2367	91
1111	Food Quality Monitor: Paper-Based Plasmonic Sensors Prepared Through Reversal Nanoimprinting for Rapid Detection of Biogenic Amine Odorants. 2017 , 9, 17306-17316	36
1110	Magneto-Optical (MO) Characterization Tools for Chemically Prepared Magnetic Nanomaterials. 2017 , 457-509	
1109	LSPR sensor array based on molecularly imprinted sol-gels for pattern recognition of volatile organic acids. 2017 , 249, 14-21	37

Synthesis, microstructure, and physical properties of metallic barcode nanowires. 2017 , 23, 413-425	15
Synthesis and study of aggregation kinetics of fluorescence active 1107 N-(1-Naphthyl)ethylenediammonium cations functionalized silver nanoparticles for a chemo-sensor probe. 2017 , 238, 96-105	10
1106 LSPR based Ultra-sensitive low cost U-bent optical fiber for volatile liquid sensing. 2017 , 250, 198-207	35
Label-free detection of DNA hybridization with a compact LSPR-based fiber-optic sensor. 2017 , 142, 1974-1981	45
Directional light scattering from individual Au nanocup. 2017 , 387, 208-213	1
Seed-Mediated Synthesis of Gold Nanoparticles of Controlled Sizes To Demonstrate the Impact of Size on Optical Properties. 2017 , 94, 1090-1093	31
Dual-channel signals for intracellular mRNA detection via a PRET nanosensor. 2017 , 53, 7768-7771	18
A Fiber-optic Sensor Based on Plasmon Coupling Effects in Gold Nanoparticles Core-satellites Nanostructure for Determination of Mercury Ions (II). 2017 , 45, 785-790	8
1100 Numerical Study of Novel Ratiometric Sensors Based on Plasmon-Exciton Coupling. 2017 , 71, 2377-2384	6
Second Harmonic Excitation of Acetylene by the Optical Near Field Generated in a Porous Material. 2017 , 121, 11687-11692	4
Cytosine triphosphate-capped silver nanoparticles as a platform for visual and colorimetric determination of mercury(II) and chromium(III). 2017 , 184, 3171-3178	30
1097 Plasmon-enhanced fluorescence spectroscopy. 2017 , 46, 3962-3979	278
1096 Direct photocatalysis of supported metal nanostructures for organic synthesis. 2017 , 50, 283001	13
Tip-Specific Functionalization of Gold Nanorods for Plasmonic Biosensing: Effect of Linker Chain Length. 2017 , 33, 6503-6510	23
Polarization properties of surface plasmon polaritons at the boundary of topological insulators with the axion effect. 2017 , 25, 119-123	1
1093 Patterned Plasmonic Surfaces-Theory, Fabrication, and Applications in Biosensing. 2017 , 26, 718-739	14
Amplification of Refractometric Biosensor Response through Biomineralization of Metal©rganic Framework Nanocrystals. 2017 , 2, 1700023	5
1091 Stacked Gold Nanodisks for Bimodal Photoacoustic and Optical Coherence Imaging. 2017 , 11, 6225-6232	29

1090	Enhanced photoluminescence from gold nanoparticle decorated polyaniline nanowire bundles. 2017 , 7, 27473-27479	8
1089	Real-time visualization of clustering and intracellular transport of gold nanoparticles by correlative imaging. 2017 , 8, 15646	116
1088	A highly sensitive and widely adaptable plasmonic aptasensor using berberine for small-molecule detection. 2017 , 97, 292-298	34
1087	Amplification of surface-enhanced Raman scattering due to substrate-mediated localized surface plasmons in gold nanodimers. 2017 , 5, 4075-4084	34
1086	Surfactant-Free Shape Control of Gold Nanoparticles Enabled by Unified Theoretical Framework of Nanocrystal Synthesis. 2017 , 29, 1605622	50
1085	A new technique to detect antibody-antigen reaction (biological interactions) on a localized surface plasmon resonance (LSPR) based nano ripple gold chip. 2017 , 411, 205-209	5
1084	Single Molecule Force Spectroscopy to Compare Natural versus Artificial Antibody-Antigen Interaction. 2017 , 13, 1604255	17
1083	Dual Band Electrochromic Devices Based on Nb-Doped TiO Nanocrystalline Electrodes. 2017 , 11, 3576-3584	79
1082	Plasmon-Enhanced Two-Photon Excitation Fluorescence and Biomedical Applications. 2017, 211-225	4
1081	Probing Spatial Proximity of Supported Lipid Bilayers to Silica Surfaces by Localized Surface Plasmon Resonance Sensing. 2017 , 89, 4301-4308	20
1080	Effect of Thiol-Ligands on the Optical Response of Supported Silver Clusters. 2017 , 121, 9331-9336	11
1079	Nanoplasmonic sensors for biointerfacial science. 2017 , 46, 3615-3660	147
1078	The role of ligands in the mechanical properties of Langmuir nanoparticle films. 2017, 13, 3125-3133	16
1077	White Light Generation and Anisotropic Damage in Gold Films near Percolation Threshold. 2017 , 4, 1207-1215	5 23
1076	On/off-switchable LSPR nano-immunoassay for troponin-T. 2017 , 7, 44027	29
1075	Metal-enhanced luminescence: Current trend and future perspectives- A review. 2017 , 971, 1-13	29
1074	Highly sensitive biosensors based on all-dielectric nanoresonators. 2017 , 9, 4972-4980	94
1073	Dielectric function of TiO2 nanoparticles under laser pumping. 2017 ,	O

1072	Colorimetric detection of cholic acid based on an aptamer adsorbed gold nanoprobe. 2017 , 7, 19250-19256	12
1071	Photoelectrochemical and spectroscopical surface analysis of TiO2 nanorods/Ag nanoparticles toward organic carboxylic acids oxidation. 2017 , 21, 1805-1816	2
1070	Nanoplasmonic Biosensor Using Localized Surface Plasmon Resonance Spectroscopy for Biochemical Detection. 2017 , 1571, 89-107	4
1069	Electroless Deposition of Silver Nanostructures by Redox Reaction of Copper Oxide. 2017 , 121, 6986-6996	4
1068	The trapezoidal nanostructure based surface plasmon resonance. 2017,	
1067	AC Electroosmosis-Enhanced Nanoplasmofluidic Detection of Ultralow-Concentration Cytokine. 2017 , 17, 2374-2380	40
1066	Optomechanics of Single Aluminum Nanodisks. 2017 , 17, 2575-2583	42
1065	Chemical interface damping of single gold nanorods with low sensitivity to the medium dielectric constant. 2017 , 676, 65-69	19
1064	Combination of microfluidic high-throughput production and parameter screening for efficient shaping of gold nanocubes using Dean-flow mixing. 2017 , 17, 1487-1495	42
1063	Morphological and Optical Evolution of Silver Nanoparticles on Sapphire (0001) Along With the Concurrent Influence of Diffusion, Ostwald's Ripening, and Sublimation. 2017 , 16, 321-332	10
1062	Mitochondria-targeting "Nanoheater" for enhanced photothermal/chemo-therapy. 2017 , 117, 92-104	111
1061	Active Electrochemical Plasmonic Switching on Polyaniline-Coated Gold Nanocrystals. 2017 , 29, 1604862	77
1060	In Situ Observation of Single Au Triangular Nanoprism Etching to Various Shapes for Plasmonic Photocatalytic Hydrogen Generation. 2017 , 11, 968-974	47
1059	Optical Fiber-Type Sugar Chip Using Localized Surface Plasmon Resonance. 2017 , 89, 1086-1091	15
1058	Keimvermitteltes Wachstum kolloidaler Metallnanokristalle. 2017 , 129, 60-98	55
1057	Gold nanostructures with near-infrared plasmonic resonance: Synthesis and surface functionalization. 2017 , 336, 28-42	63
1056	Simulating the opto-thermal processes involved in laser induced self-assembly of surface and sub-surface plasmonic nano-structuring. 2017 , 630, 7-24	3
1055	Recent advances in biosensor development for the detection of cancer biomarkers. 2017 , 91, 15-23	248

1054	Efficient Photocurrent Enhancement from Porphyrin Molecules on Plasmonic Copper Arrays: Beneficial Utilization of Copper Nanoanntenae on Plasmonic Photoelectric Conversion Systems. 2017 , 9, 750-762	12
1053	The synthesis of a gold nanodiskiholecular layergold film vertical structure: a molecular layer as the spacer for SERS hot spot investigations. 2017 , 1, 922-927	5
1052	Aromatic Functionality of Target Proteins Influences Monomer Selection for Creating Artificial Antibodies on Plasmonic Biosensors. 2017 , 9, 145-151	12
1051	Tuning the configuration of Au nanostructures: from vermiform-like, rod-like, triangular, hexagonal, to polyhedral nanostructures on c-plane GaN. 2017 , 52, 391-407	13
1050	Topographically Flat Nanoplasmonic Sensor Chips for Biosensing and Materials Science. 2017 , 2, 119-127	11
1049	Plasmon-induced photoelectrochemical biosensor for in situ real-time measurement of biotin-streptavidin binding kinetics under visible light irradiation. 2017 , 957, 70-75	5
1048	Ag-Cu mixed phase plasmonic nanostructures fabricated by shadow nanosphere lithography and glancing angle co-deposition. 2017 , 28, 015301	15
1047	Facile three-dimensional nanoarchitecturing of double-bent gold strips on roll-to-roll nanoimprinted transparent nanogratings for flexible and scalable plasmonic sensors. 2017 , 9, 1398-1402	25
1046	Seed-Mediated Growth of Colloidal Metal Nanocrystals. 2017 , 56, 60-95	428
1045	Ultrafast carrier dynamics in bimetallic nanostructure-enhanced methylammonium lead bromide perovskites. 2017 , 9, 1475-1483	28
1044	Nano-gold plasmon coupled with dual-function quercetin for enhanced photoelectrochemical aptasensor of tetracycline. 2017 , 243, 1027-1033	29
1043	Quantitative Profiling of Nanoscale Liposome Deformation by a Localized Surface Plasmon Resonance Sensor. 2017 , 89, 1102-1109	43
1042	Complementary high performance sensing of gases and liquids using silver nanotube. 2017 , 19, 115003	2
1041	Refractive index sensitivity analysis of gold nanoparticles. 2017 , 149, 384-390	13
1040	Chiroptically Active Metallic Nanohelices with Helical Anisotropy. 2017 , 13, 1701883	22
1039	Sugar-Coated Nanobullet: Growth Inhibition of Cancer Cells Induced by Metformin-Loaded Glyconanoparticles. 2017 , 12, 1823-1827	10
1038	A biocathode-driven photocatalytic fuel cell using an Ag-doped TiO2/Ti mesh photoanode for electricity generation and pollutant degradation. 2017 , 348, 238-245	28
1037	Controlling Non-Equilibrium Structure Formation on the Nanoscale. 2017 , 18, 3437-3442	1

103	resonance. 2017 , 9, 17037-17043	17
103	5 Crystal Structure of Faradaurate-279: Au(SPh-tBu) Plasmonic Nanocrystal Molecules. 2017 , 139, 15450-15459	141
103.	Radiative frequency shifts in nanoplasmonic dimers. 2017 , 96,	14
103	Manipulating the optical properties of dual implanted Au and Zn nanoparticles in sapphire. 2017 , 27, 17-23	6
103	Compact plasmonic optical biosensors based on nanostructured gradient index lenses integrated into microfluidic cells. 2017 , 9, 17378-17386	12
103:	Graphene/gold Nanoparticles for Electrochemical Sensing. 2017 , 139-172	2
103	Nanoparticle-based optical sensor arrays. 2017 , 9, 16546-16563	122
102	Hematological Effects of Gold Nanorods on Erythrocytes: Hemolysis and Hemoglobin Conformational and Functional Changes. 2017 , 4, 1700296	35
102	A universal and enzyme-free immunoassay platform for biomarker detection based on gold nanoparticle enumeration with a dark-field microscope. 2017 , 142, 4201-4205	15
102	DNA Sensors for the Detection of Biomolecules and Biochemical Conditions. 2017 , 57-97	
102	6 Branched Nanostructure for Dual-Model Imaging. 2017 , 07, 1750003	
102	Microscale differential ion mobility spectrometry for field deployable chemical analysis. 2017 , 97, 399-427	22
102.	Gold nanoparticle-based localized surface plasmon immunosensor for staphylococcal enterotoxin A (SEA) detection. 2017 , 409, 6227-6234	33
102	Corrosion-Protected Hybrid Nanoparticles. 2017 , 4, 1700234	12
102	One-Pot Synthesis of Size-Controllable Core-Shell CdS and Derived CdS@Zn Cd S Structures for Photocatalytic Hydrogen Production. 2017 , 23, 16653-16659	27
102	Plasmonic sensor with high figure of merit based on differential polarization spectra of elliptical nanohole array. 2017 , 9, 14710-14721	31
102	O Quantum noise reduction in intensity-sensitive surface-plasmon-resonance sensors. 2017 , 96,	23
101	9 Controlling FRET Enhancement Using Plasmon Modes on Gold Nanogratings. 2017 , 121, 22353-22360	6

1018	Mechanism of hydrogen adsorption on gold nanoparticles and charge transfer probed by anisotropic surface plasmon resonance. 2017 , 19, 27397-27405	13
1017	Plasmonic color metasurfaces fabricated by a high speed roll-to-roll method. 2017 , 9, 14280-14287	27
1016	Realization of Red Plasmon Shifts up to ~900 nm by AgPd-Tipping Elongated Au Nanocrystals. 2017 , 139, 13837-13846	69
1015	Tunable SERS Platforms from Small Nanoparticle 3D Superlattices: A Comparison between Gold, Silver, and Copper. 2017 , 18, 3066-3075	11
1014	Plasmonic Fields Focused to Molecular Size. 2017 , 3, 843-856	8
1013	Stable silica-coated self-assembly of gold nanorods: synthesis and plasmonic properties. 2017 , 110, 191-197	3
1012	Enhancement of multipolar Fano resonances by nanocrescent elliptical disk structures. 2017, 118, 64002	5
1011	In situ synthesis of Au-shelled Ag nanoparticles on PDMS for flexible, long-life, and broad spectrum-sensitive SERS substrates. 2017 , 53, 11298-11301	32
1010	Localized surface plasmon resonance refractometer based on no-core fiber. 2017,	2
1009	Fabrication and characterization of Au dimer antennas on glass pillars with enhanced plasmonic response. 2017 , 7, 497-505	10
1008	A portable multi-channel sensing device using Au nano-urchins as probes for melamine detection in milk. 2017 , 5, 7806-7812	13
1007	UV-visible spectroscopic detection of kanamycin based on target-induced growth of gold nanoparticles. 2017 , 9, 4843-4850	7
1006	SERS polarization dependence of Ag nanorice dimer on metal and dielectric film. 2017, 684, 373-377	5
1005	On the Dimensional Control of 2 D Hybrid Nanomaterials. 2017 , 23, 12534-12541	4
1004	Gold Nanostar Substrates for Metal-Enhanced Fluorescence through the First and Second Near-Infrared Windows. 2017 , 29, 6916-6926	44
1003	Modular approach for bimodal antibacterial surfaces combining photo-switchable activity and sustained biocidal release. 2017 , 7, 5259	30
1002	Plasmonic Mach Zehnder interferometric sensor based on a metal Insulator-metal nanostructure. 2017 , 26, 077301	3
1001	A rapid approach to prepare poly(2-methyl-2-oxazoline)-based antifouling coating by UV irradiation. 2017 , 426, 817-826	19

1000	A flexible thin-film membrane with broadband Ag@TiO2 nanoparticle for high-efficiency solar evaporation enhancement. 2017 , 139, 210-219	33
999	Miniature refractive index fiber sensor based on silica micro-tube and Au micro-sphere. 2017 , 72, 661-665	3
998	Enhancing light reflective properties on ITO glass by plasmonic effect of silver nanoparticles. 2017 , 7, 2874-2877	14
997	Plasmon-Induced Conductance Switching of an Electroactive Conjugated Polymer Nanojunction. 2017 , 9, 27817-27824	11
996	Single-step homogeneous immunoassay for detecting prostate-specific antigen using dual-color light scattering of metal nanoparticles. 2017 , 142, 3484-3491	9
995	Rapid, Point-of-Care, Paper-Based Plasmonic Biosensor for Zika Virus Diagnosis. 2017 , 1, e1700096	26
994	Platinum-Decorated Gold Nanoparticles with Dual Functionalities for Ultrasensitive Colorimetric in Vitro Diagnostics. 2017 , 17, 5572-5579	167
993	Technologies for analysis of circulating tumour DNA: Progress and promise. 2017 , 97, 36-49	16
992	Deep Fano resonance with strong polarization dependence in gold nanoplate-nanosphere heterodimers. 2017 , 9, 13222-13234	16
991	Exposing optical near fields of plasmonic patch nanoantennas. 2017 , 111, 221106	4
990	Insight into plasmonic hot-electron transfer and plasmon molecular drive: new dimensions in energy conversion and nanofabrication. 2017 , 9, e454-e454	130
989	A simple assay for direct colorimetric detection of prostatic acid phosphatase (PAP) at fg levels using biphosphonated loaded PEGylated gold nanoparticles. 2017 , 1, 186-191	2
988	The method of controlling the thickness of the deposited film on the basis of the surface plasmon resonance effect. 2017 , 872, 012042	3
987	Light absorption and scattering of 40¶70 nm gold nanoparticles on glass substrates. 2017, 35, 06G403	3
986	PDMS membranes as sensing element in optical sensors for gas detection in water. 2017 , 16, 74-78	12
985	Upconversion manipulation by local electromagnetic field. 2017 , 17, 54-78	78
984	Subradiant Dipolar Interactions in Plasmonic Nanoring Resonator Array for Integrated Label-Free Biosensing. 2017 , 2, 1796-1804	23
983	Electrochromic tuning of transparent gold nanorods with poly[(3,4-propylenedioxy)pyrrole] shells in the near-infrared region. 2017 , 5, 12571-12584	11

982	The Role of Nanoparticle Design in Determining Analytical Performance of Lateral Flow Immunoassays. 2017 , 17, 7207-7212	99
981	Analysis of Localized Surface Plasmon Resonances in Spherical Jellium Clusters and Their Assemblies. 2017 , 121, 27036-27052	9
980	Imaging the transient heat generation of individual nanostructures with a mechanoresponsive polymer. 2017 , 8, 1498	27
979	Plasmonic Nanoparticles Application in Biosensor and Bioimaging. 2017 , 151-205	
978	Indirect Nanoplasmonic Sensing Platform for Monitoring Temperature-Dependent Protein Adsorption. 2017 , 89, 12976-12983	29
977	A highly sensitive multiplasmonic sensor using hyperbolic chiral sculptured thin films. 2017 , 122, 173104	10
976	Rapid and PCR-free DNA Detection by Nanoaggregation-Enhanced Chemiluminescence. 2017 , 7, 14011	7
975	Volatile Organic Compounds sensing properties of TbPc2 thin films: Towards a plasmon-enhanced opto-chemical sensor. 2017 , 253, 266-274	8
974	Plasmonic Vertically Coupled Complementary Antennas for Dual-Mode Infrared Molecule Sensing. 2017 , 11, 8034-8046	30
973	Quantum description of the optical response of charged monolayerEhick metallic patch nanoantennas. 2017 , 95,	7
972	Design and simulation of high sensitive cylindrical nanogear shell sensors according to localized surface plasmon resonance. 2017 , 144, 300-307	7
971	Switchable Plasmonic Film Using Nanoconfined Liquid Crystals. 2017 , 9, 25057-25061	10
970	Design of Catalysts, Characterization, Kinetics and Mechanisms of Reactions, Deactivation/Regeneration. 2017 , 1-23	
969	Ultra-narrow Band Perfect Absorber and Its Application as Plasmonic Sensor in the Visible Region. 2017 , 12, 427	61
968	Polarization contrast scattering spectroscopy of individual metal nanoantennas. 2017 , 123, 1	
967	Selective synthesis of FeOAu Ag nanomaterials and their potential applications in catalysis and nanomedicine. 2017 , 11, 58	9
966	Nanoparticle assisted Raman information acquisition from metal encapsulated sandwich structure. 2017 , 48, 443-447	4
965	Multimodal plasmonic biosensing nanostructures prepared by DNA-directed immobilization of multifunctional DNA-gold nanoparticles. 2017 , 90, 13-22	14

964	Electrical conduction and gas sensing characteristics of P3HT/Au nano-islands composite. 2017 , 241, 1099-1105	6
963	Investigation on Optical Properties of AgAu Alloy Nanoparticles. 2017 , 12, 1373-1379	4
962	Optical Nanoprobes for Ultrasensitive Immunoassay. 2017 , 89, 124-137	94
961	Surface-Plasmon-Coupled Fluorescence Enhancement Based on Ordered Gold Nanorod Array Biochip for Ultrasensitive DNA Analysis. 2017 , 89, 633-639	88
960	Cavity-enhanced continuous graphene plasmonic resonator for infrared sensing. 2017, 395, 147-153	23
959	Recent advances in nanoplasmonic biosensors: applications and lab-on-a-chip integration. 2017 , 6, 123-136	145
958	DNAzyme-integrated plasmonic nanosensor for bacterial sample-to-answer detection. 2017 , 89, 880-885	33
957	Geometry-Dependent Surface Plasmonic Properties and Dielectric Sensitivity of Bimetallic Au@Pd Nanorods. 2017 , 12, 1183-1191	5
956	Unmodified gold nanoparticles for in-drop plasmonic-based sensing of iodide. 2017 , 242, 940-948	14
955	Two-Color Metal-Enhanced Fluorescence Using Gold Slotted Nanogratings. 2017 , 12, 1621-1626	1
954	Design and Characterization of High Efficiency Nanoantenna Couplers With Plasmonic Integrated Circuit. 2017 , 35, 3182-3188	8
953	Hollow metal nanostructures for enhanced plasmonics: synthesis, local plasmonic properties and applications. 2017 , 6, 193-213	73
952	Gradient effective medium model for inhomogenous nanoparticle layers. 2017,	
951	Near-field mapping of three-particle plasmonic structures. 2017 , 917, 062012	
950	Fluorescence enhancement near single TiO2 nanodisks. 2017 , 111, 251109	12
949	Point-of-Care Device with Plasmonic Gold Nanoarray Sensing Chip for Biomarker Detections. 2017 , 323-343	
948	Functional Quadrumer Clusters for Switching Between Fano and Charge Transfer Plasmons. 2017 , 29, 2226-2229	15
947	Design and simulation of nano plasmonic biosensors. 2017 ,	O

946	Engineering of solution-based localized surface plasmon resonance platform for dengue diagnosis. 2017 ,	1
945	Thiolate monolayer-protected silver nanoparticles coated fiber-optic capillary GC detector. 2017 ,	
944	Ge PIN photodetectors with nanohole arrays for refractive index sensing. 2017,	
943	Hybrid States of Biomolecules in Strong-Coupling Regime. 2017 , 12, 327-337	1
942	Localized surface plasmon sensor based on gold island films using a hetero-core structured optical fiber. 2017 , 56, 6673-6679	7
941	Nanoparticle functionalised small-core suspended-core fibre - a novel platform for efficient sensing. 2017 , 8, 790-799	26
940	Engineering the magnetic plasmon resonances of metamaterials for high-quality sensing. 2017 , 25, 3675-368	1 92
939	Third order nonlinear optics in Ag nanocubes: local and nonlocal optical responses as a function of excitation wavelength and particle size. 2017 , 25, 31064-31076	11
938	Spatial evolution of the near-field distribution on planar gold nanoparticles with the excitation wavelength across dipole and quadrupole modes. 2017 , 5, 187	12
937	Near-infrared-responsive, superparamagnetic Au@Co nanochains. 2017, 8, 1680-1687	
936	Refractive Index Sensor Based on a Metal-Insulator-Metal Waveguide Coupled with a Symmetric Structure. 2017 , 17,	38
935	Peptide Nucleic Acid-Based Biosensors for Cancer Diagnosis. 2017 , 22,	57
934	Au-Graphene Hybrid Plasmonic Nanostructure Sensor Based on Intensity Shift. 2017 , 17,	8
933	Collagen-Gold Nanoparticle Conjugates for Versatile Biosensing. 2017 , 17,	18
932	Emerging Cytokine Biosensors with Optical Detection Modalities and Nanomaterial-Enabled Signal Enhancement. 2017 , 17,	28
931	Probing the Interaction of Dielectric Nanoparticles with Supported Lipid Membrane Coatings on Nanoplasmonic Arrays. 2017 , 17,	13
930	Surface Plasmon Resonance Sensors on Raman and Fluorescence Spectroscopy. 2017 , 17,	52
929	Chemical sensors based on hybrid nanomaterials for food analysis. 2017 , 205-244	9

928	Gold Nanoparticle Based Platforms for Circulating Cancer Marker Detection. 2017, 1, 80-102	41
927	A Time-Dependent Density Functional Theory Study of the Impact of Ligand Passivation on the Plasmonic Behavior of Ag Nanoclusters. 2017 , 75, 117-145	1
926	Gold Nanoplates for a Localized Surface Plasmon Resonance-Based Boric Acid Sensor. 2017, 17,	22
925	Localized Surface Plasmon Resonance for Optical Fiber-Sensing Applications. 2017,	2
924	Surface plasmon-enhanced fluorescence on Au nanohole array for prostate-specific antigen detection. 2017 , 12, 2307-2314	19
923	Effects of Interfacial Properties of a Surface Modified Surface Plasmon Resonance Chip on Protein Immobilization Performance. 2017 , 33, 481-486	1
922	Synthesis methods of gold nanoparticles for Localized Surface Plasmon Resonance (LSPR) sensor applications. 2017 , 162, 01002	10
921	Plasmonic Nanostructures as Surface-Enhanced Raman Scattering (SERS) Substrate for Protein Biomarker Sensing. 2017 ,	2
920	Performance analysis of zinc oxide-implemented lossy mode resonance-based optical fiber refractive index sensor utilizing thin film/nanostructure. 2017 , 56, 5716-5725	23
919	LSPR Coupling and Distribution of Interparticle Distances between Nanoparticles in Hydrogel on Optical Fiber End Face. 2017 , 17,	19
918	Silicon-gold core-shell nanowire array for an optically and electrically characterized refractive index sensor based on plasmonic resonance and Schottky junction. 2017 , 42, 1225-1228	14
917	Localized surface plasmon sensor using a hetero-core structured fiber optic with gold island films. 2017 , 922, 012018	2
916	Naturally-derived biopolymer nanocomposites: Interfacial design, properties and emerging applications. 2018 , 125, 1-41	130
915	A Single-Point, Multiparameter, Fiber Optic Sensor Based on a Combination of Interferometry and LSPR. 2018 , 36, 1159-1167	10
914	Label-free optical biosensors for food and biological sensor applications. 2018 , 265, 35-49	126
913	High sensitive detection of copper II ions using D-penicillamine-coated gold nanorods based on localized surface plasmon resonance. 2018 , 29, 215501	9
912	Optical interaction between one-dimensional fiber photonic crystal microcavity and gold nanorod. 2018 , 27, 017301	2
911	Probing of sub-picometer vertical differential resolutions using cavity plasmons. 2018 , 9, 801	63

910	Periodic Porous Alloyed Au-Ag Nanosphere Arrays and Their Highly Sensitive SERS Performance with Good Reproducibility and High Density of Hotspots. 2018 , 10, 9792-9801	99
909	Midinfrared Surface Plasmons in Carbon Nanotube Plasmonic Metasurface. 2018 , 9,	11
908	Optically active plasmonic resonance in self-assembled nanostructures. 2018 , 2, 662-678	30
907	Surface-enhanced Raman spectroscopy with Au-nanoparticle substrate fabricated by using femtosecond pulse. 2018 , 29, 205301	14
906	Single-Molecule Analysis of MicroRNA and Logic Operations Using a Smart Plasmonic Nanobiosensor. 2018 , 140, 3988-3993	77
905	Photodynamic inactivation assisted by localized surface plasmon resonance of silver nanoparticles: In vitro evaluation on Escherichia coli and Streptococcus mutans. 2018 , 22, 191-196	22
904	Narrowing of Plasmon Resonance Peaks as an Ensemble Effect. 2018 , 122, 10167-10172	
903	Solution-Processed UV and Visible Photodetectors Based on Y-Doped ZnO Nanowires with TiO2 Nanosheets and Au Nanoparticles. 2018 , 1, 2087-2095	30
902	Theoretical Perspectives on the Influence of Solution-Phase Additives in Shape-Controlled Nanocrystal Synthesis. 2018 , 122, 18785-18794	17
901	Metal Nanoparticles for Diagnosis and Therapy of Bacterial Infection. 2018 , 7, e1701392	92
900	Colorimetric Immunosensor by Aggregation of Photochemically Functionalized Gold Nanoparticles. 2018 , 3, 3805-3812	48
899	Fluorescence Modulation of Graphene Quantum Dots Near Structured Silver Nanofilms. 2018 , 10, 14079-140	186 10
898	Preparation and Raman enhancement properties of gold nanostars. 2018, 322, 022018	
897	Battling Retardation and Nonlocality: The Hunt for the Ultimate Plasmonic Cascade Nanolens. 2018 , 5, 2459-2467	2
896	Fabrication of Ag nanostructures with remarkable narrow plasmonic resonances by glancing angle deposition. 2018 , 441, 613-620	12
895	Localized surface plasmon resonance based biosensing. 2018 , 18, 279-296	42
894	Conductive nitrides: Growth principles, optical and electronic properties, and their perspectives in photonics and plasmonics. 2018 , 123, 1-55	128
893	Rapid and continuous parametric screening for the synthesis of gold nanocrystals with different morphologies using a microfluidic device. 2018 , 262, 236-244	13

892	Coupling of Elementary Electronic Excitations: Drawing Parallels Between Excitons and Plasmons. 2018 , 9, 919-932	16
891	Label-free surface plasmon resonance biosensing with titanium nitride thin film. 2018, 106, 129-135	12
890	Drug and nanoparticle mediated rapid naked eye water test for pathogens detection. 2018 , 262, 603-610	10
889	Fabrication of a self-assembled and flexible SERS nanosensor for explosive detection at parts-per-quadrillion levels from fingerprints. 2018 , 143, 2012-2022	59
888	. 2018 , 18, 1039-1046	56
887	Fast and simple detection of bovine serum albumin concentration by studying its interaction with gold nanorods. 2018 , 543, 118-125	16
886	Broadside Nanoantennas Made of Single Silver Nanorods. 2018 , 12, 1720-1731	15
885	Capture of red blood cells onto optical sensor for rapid ABO blood group typing and erythrocyte counting. 2018 , 262, 411-417	9
884	Constructing sensitive SERS substrate with a sandwich structure separated by single layer graphene. 2018 , 263, 634-642	14
883	Determination of fermentable sugars in beer wort by gold nanoparticles@polydopamine: A layer-by-layer approach for Localized Surface Plasmon Resonance measurements at fixed wavelength. 2018 , 183, 24-32	19
882	Quantitative investigation on the critical thickness of the dielectric shell for metallic nanoparticles determined by the plasmon decay length. 2018 , 29, 165501	3
881	Development of cost-effective plasmonic biosensor using partially embedded gold nanoparticles for detection of immunoglobulin proteins. 2018 , 5, 025031	4
880	Facile Fabrication of Novel Sensing System for Size Detection of Nanoparticles. 2018 , 17, 596-602	4
879	In situ synthesis Bismarck brown R reductive products-immobilised AgNPs assisted by catalytic activity of AgNPs as colorimetric probe for Hg2+ detection in water. 2018 , 98, 82-96	1
878	Gold Nanofilms at Liquid-Liquid Interfaces: An Emerging Platform for Redox Electrocatalysis, Nanoplasmonic Sensors, and Electrovariable Optics. <i>Chemical Reviews</i> , 2018 , 118, 3722-3751	70
877	An on-chip hybrid plasmonic light steering concentrator with ~96% coupling efficiency. 2018 , 10, 5097-5104	6
876	Advances in liquid biopsy on-chip for cancer management: Technologies, biomarkers, and clinical analysis. 2018 , 55, 140-162	30
875	Viable stretchable plasmonics based on unidirectional nanoprisms. 2018 , 10, 4105-4112	13

874	Fourier Transform Surface Plasmon Resonance of Nanodisks Embedded in Magnetic Nanorods. 2018 , 18, 1984-1992	24
873	Optical Chemical Barcoding Based on Polarization Controlled Plasmonic Nanopixels. 2018 , 28, 1704842	12
872	Bias-scanning based tunable LSPR sensor. 2018 , 20, 2146-2150	4
871	Spectroscopy and Biosensing with Optically Resonant Dielectric Nanostructures. 2018, 6, 1701094	97
870	Controllably Hollow AgAu Nanoparticles via Nonaqueous, Reduction Agent-Assisted Galvanic Replacement. 2018 , 35, 1700381	4
869	Surface-enhanced Raman scattering substrates of flat and wrinkly titanium nitride thin films by sputter deposition. 2018 , 337, 434-438	16
868	Transmission in 2D Phononic Crystals and Acoustic Metamaterials. 2018, 271-373	1
867	Fourier Transform Surface Plasmon Resonance (FTSPR) with Gyromagnetic Plasmonic Nanorods. 2018 , 57, 1841-1845	11
866	Boosting the Photoluminescence of Monolayer MoS2 on High-Density Nanodimer Arrays with Sub-10 nm Gap. 2018 , 6, 1700984	58
865	Photocatalytic Activity of Reduced Graphene Oxide©old Nanoparticle Nanomaterials: Interaction with Asphaltene and Conversion of a Model Compound. 2018 , 32, 2673-2680	13
864	Out-of-Plane Designed Soft Metasurface for Tunable Surface Plasmon Polariton. 2018 , 18, 1435-1441	15
863	Near-field thermal imaging of optically excited gold nanostructures: scaling principles for collective heating with heat dissipation into the surrounding medium. 2018 , 10, 941-948	12
862	Whole-Cell Pseudomonas aeruginosa Localized Surface Plasmon Resonance Aptasensor. 2018 , 90, 2326-2332	41
861	A Mass-Producible and Versatile Sensing System: Localized Surface Plasmon Resonance Excited by Individual Waveguide Modes. 2018 , 3, 334-341	6
860	Fourier Transform Surface Plasmon Resonance (FTSPR) with Gyromagnetic Plasmonic Nanorods. 2018 , 130, 1859-1863	4
859	Gold Nanoparticles as Nucleation Centers for Amyloid Fibrillation. 2018 , 269-291	1
858	Use of Nanoparticles in Neuroscience. 2018,	
857	Fano resonances of a ring-shaped llexamer cluster at near-infrared wavelength. 2018, 533, 63-68	1

(2018-2018)

	infrared irradiation. 2018 , 10, 2841-2847	27
855	Fabrication of plasmonic TiN nanostructures by nitridation of nanoimprinted TiO2 nanoparticles. 2018 , 6, 1399-1406	15
854	Plasmonic Coupling Effects on the Refractive Index Sensitivities of Plane Au-Nanosphere-Cluster Sensors. 2018 , 13, 1729-1734	1
853	Topological Engineering of Interfacial Optical Tamm States for Highly Sensitive Near-Singular-Phase Optical Detection. 2018 , 5, 929-938	51
852	Investigation of Patchiness on Tip-Selectively Surface-Modified Gold Nanorods. 2018, 122, 1706-1710	8
851	Absorbance enhancement of aptamers/GNP enables sensitive protein detection in rat brains. 2018 , 54, 1193-1196	9
850	The investigation of an LSPR refractive index sensor based on periodic gold nanorings array. 2018 , 51, 045101	28
849	Sensitivity enhancement of localized SPR sensor towards Pb(II) ion detection using natural bio-polymer based carrageenan. 2018 , 168, 784-793	26
848	Colloidal bioplasmonics. 2018 , 20, 58-73	22
847	Electrochemical Fabrication and Sensing Application of Multicolored Silver Films. 2018 , 5, 1800277	5
846	In Situ Probing of Laser Annealing of Plasmonic Substrates with Surface-Enhanced Raman Spectroscopy. 2018 , 122, 11031-11037	4
846		4
	Spectroscopy. 2018 , 122, 11031-11037 Natural Triterpenoid-Tailored Phosphate: In Situ Reduction of Heavy Metals Spontaneously to	
845	Spectroscopy. 2018 , 122, 11031-11037 Natural Triterpenoid-Tailored Phosphate: In Situ Reduction of Heavy Metals Spontaneously to Generate Electrochemical Hybrid Gels. 2018 , 10, 17352-17358 Highly Sensitive Refractive Index Sensors with Plasmonic Nanoantennas-Utilization of Optimal	19
8 ₄₅	Natural Triterpenoid-Tailored Phosphate: In Situ Reduction of Heavy Metals Spontaneously to Generate Electrochemical Hybrid Gels. 2018, 10, 17352-17358 Highly Sensitive Refractive Index Sensors with Plasmonic Nanoantennas-Utilization of Optimal Spectral Detuning of Fano Resonances. 2018, 3, 960-966	19 37
845 844 843	Natural Triterpenoid-Tailored Phosphate: In Situ Reduction of Heavy Metals Spontaneously to Generate Electrochemical Hybrid Gels. 2018, 10, 17352-17358 Highly Sensitive Refractive Index Sensors with Plasmonic Nanoantennas-Utilization of Optimal Spectral Detuning of Fano Resonances. 2018, 3, 960-966 Plasmon-Enhanced Second Harmonic Sensing. 2018, 122, 11475-11481 Plasmon multiwavelength-sensitized luminescence enhancement of highly transparent	19 37 9
845 844 843 842	Natural Triterpenoid-Tailored Phosphate: In Situ Reduction of Heavy Metals Spontaneously to Generate Electrochemical Hybrid Gels. 2018, 10, 17352-17358 Highly Sensitive Refractive Index Sensors with Plasmonic Nanoantennas-Utilization of Optimal Spectral Detuning of Fano Resonances. 2018, 3, 960-966 Plasmon-Enhanced Second Harmonic Sensing. 2018, 122, 11475-11481 Plasmon multiwavelength-sensitized luminescence enhancement of highly transparent Ag/YVO4:Eu3+/PMMA film. 2018, 200, 158-163 Acoustic Vibrations of CoreBhell Nanospheres: Probing the Mechanical Contact at the	19 37 9

838	Overwhelming Analogies between Plasmon Hybridization Theory and Molecular Orbital Theory Revealed: The Story of Plasmonic Heterodimers. 2018 , 122, 7382-7388	9
837	Soft and transient magnesium plasmonics for environmental and biomedical sensing. 2018 , 11, 4390-4400	13
836	In-direct localized surface plasmon resonance (LSPR)-based nanosensors for highly sensitive and rapid detection of cortisol. 2018 , 266, 710-716	20
835	Dendrimer as a multifunctional capping agent for metal nanoparticles for use in bioimaging, drug delivery and sensor applications. 2018 , 6, 2368-2384	42
834	Observation and Manipulation of Visible Edge Plasmons in BiTe Nanoplates. 2018 , 18, 2879-2884	11
833	Gold Bowtie-Shaped Dimer Arrays in a Stretchable Substrate with Tunable LSPR. 2018 , 13, 2183-2188	2
832	Investigation on the morphology and optical properties of self-assembled Ag Nanostructures on c-plane GaN by the control of annealing temperature and duration. 2018 , 15, 28-39	6
831	Raman-encoded, multivalent glycan-nanoconjugates for traceable specific binding and killing of bacteria. 2018 , 6, 1339-1346	13
830	Colloidal Photoluminescent Refractive Index Nanosensor Using Plasmonic Effects. 2018, 232, 1431-1441	8
829	Quantifying photothermal heating at plasmonic nanoparticles by scanning electrochemical microscopy. 2018 , 210, 29-39	15
828	Scattering of Electromagnetic Radiation by ITO Nanoparticles with Various Doping Levels. 2018 , 63, 55-57	5
827	Bimetallic Au-Ag alloy nanoislands for highly sensitive localized surface plasmon resonance biosensing. 2018 , 265, 459-467	42
826	Localized Surface Plasmonic Resonance and Sensing Properties of AgMgF2 Composite Nanotriangles. 2018 , 122, 7374-7381	14
825	Microfluidic devices for sample preparation and rapid detection of foodborne pathogens. 2018 , 36, 1003-102	2495
824	Sub-diffractional waveguiding by mid-infrared plasmonic resonators in semiconductor nanowires. 2018 , 10, 5708-5716	4
823	Dependency of plasmon resonance sensitivity of colloidal gold nanoparticles on the identity of surrounding ionic media. 2018 , 5, 035011	1
822	Dark Plasmon of Adjacent Silver Hexagonal Nanoplates Dimer. 2018 , 13, 687-695	2
821	LSPR based optical fiber sensors treated with nanosecond laser irradiation for refractive index sensing. 2018 , 256, 359-366	8

(2018-2018)

820	Absorption spectra of localized surface plasmon resonance observed in an inline/picoliter spectrometer cell fabricated by a near ultraviolet femtosecond laser. 2018 , 410, 8-12	5
819	Active Plasmonics: Principles, Structures, and Applications. <i>Chemical Reviews</i> , 2018 , 118, 3054-3099 68.1	340
818	Environmental Symmetry Breaking Promotes Plasmon Mode Splitting in Gold Nanotriangles. 2018 , 122, 13259-13266	26
817	Co P d/BiVO4: High-performance photocatalysts for the degradation of phenol under visible light irradiation. 2018 , 224, 350-359	89
816	Strong LightMatter Interaction in Quantum Emitter/Metal Hybrid Nanostructures. 2018, 5, 2-23	133
815	High-sensitivity refractive index sensor with normal incident geometry using a subwavelength grating operating near the ultraviolet wavelength. 2018 , 255, 1711-1715	12
814	Nanostructured materials with plasmonic nanobiosensors for early cancer detection: A past and future prospect. 2018 , 100, 361-373	39
813	Pd/Ag nanosheet as a plasmonic sensing platform for sensitive assessment of hydrogen evolution reaction in colloid solutions. 2018 , 11, 2093-2103	10
812	Plasmonic biosensing based on non-noble-metal materials. 2018 , 29, 54-60	10
811	Optical fiber sensors based on gold nanorods embedded in polymeric thin films. 2018 , 255, 2105-2112	31
810	Photocatalytic sensor of organics in water with signal of plasmonic swing. 2018 , 255, 3458-3463	5
809	An optical fiber-based LSPR aptasensor for simple and rapid in-situ detection of ochratoxin A. 2018 , 102, 504-509	75
808	Shapes matter: examining the optical response evolution in stretched aluminium nanoparticles via time-dependent density functional theory. 2017 , 20, 51-55	21
807	Ultra-narrow surface lattice resonances in plasmonic metamaterial arrays for biosensing applications. 2018 , 104, 102-112	57
806	Design and applications of lattice plasmon resonances. 2018 , 11, 4423-4440	32
805	Nanoplasmonic sensors for detecting circulating cancer biomarkers. 2018 , 125, 48-77	69
804	Molybdenum oxide nanosheets meet ascorbic acid: Tunable surface plasmon resonance and visual colorimetric detection at room temperature. 2018 , 259, 59-63	65
803	Manipulation of surface plasmon resonance of a graphene-based Au aperture antenna in visible and near-infrared regions. 2018 , 410, 733-739	8

802	Selective and sensitive colorimetric detection of the neurotransmitter serotonin based on the aggregation of bifunctionalised gold nanoparticles. 2018 , 258, 829-835	33
801	Material influence on hot spot distribution in the nanoparticle heterodimer on film. 2018 , 98, 1-5	7
800	A large-area, wide-incident-angle, and polarization-independent plasmonic color filter for glucose sensing. 2018 , 75, 739-743	28
799	Gold nanoparticle core-europium(iii) chelate fluorophore-doped silica shell hybrid nanocomposites for the lateral flow immunoassay of human thyroid stimulating hormone with a dual signal readout. 2018 , 143, 564-570	14
798	Screened bonding, antibonding and charge transfer plasmon modes in conductively connected nanorod heterodimer. 2018 , 20, 025001	6
797	Interfacial preparation and optical transmission surface plasmon resonance of Janus metamaterials membrane. 2018 , 5, 015801	3
796	Optimized Dielectric Film for Maximum Sensitivity of Nearly Guided-Wave Surface Plasmon Resonance Sensor. 2018 , 215, 1700499	3
795	Comparative investigation of sensing behaviors between gap and lattice plasmon modes in a metallic nanoring array. 2018 , 10, 548-555	21
794	Disordered photonics coupled with embedded nano-Au plasmonics inducing efficient photocurrent enhancement. 2018 , 176, 428-436	6
793	Detection and differentiation of ⊞ynuclein monomer and fibril by chitosan film coated nanogold array on optical sensor platform. 2018 , 255, 692-700	18
792	Mapping Nanoparticles in Hydrogels: A Comparison of Preparation Methods for Electron Microscopy. 2018 , 8, 2446	10
791	Use of LSPR Spectroscopy Biosensing for In Situ Identification of Arsenic from Bioleaching of Realgar by Acidithiobacillus ferrooxidans. 2018 , 2018, 1-6	
79°	Plasmonic Enhancement of the Photoluminescence in Hybrid Structures with SiGe Quantum Dots and Ag Nanoislands. 2018 , 52, 2149-2152	1
789	Self-assembly on optical fibers: a powerful nanofabrication tool for next generation "lab-on-fiber" optrodes. 2018 , 10, 22673-22700	39
788	Modification of dewetting characteristics for the improved morphology and optical properties of platinum nanostructures using a sacrificial indium layer. 2018 , 13, e0209803	1
787	Materials and design of nanostructured broadband light absorbers for advanced light-to-heat conversion. 2018 , 10, 21555-21574	65
786	A fiber-optic nanoplasmonic hydrogen sensor via pattern-transfer of nanofabricated PdAu alloy nanostructures. 2018 , 10, 20533-20539	20
785	Stabilization of noble metal nanostructures for catalysis and sensing. 2018 , 10, 20492-20504	26

784	Micro-Extinction Spectroscopy (MExS): a versatile optical characterization technique. 2018, 4,	12
783	Functionalized gold nanoparticles for drug delivery applications. 2018 , 5, 16763-16773	13
782	2. Gold Nanoparticles in Bioanalytical Techniques. 2018 , 55-86	
781	. 2018,	4
780	Gate-tunable infrared plasmons in electron-doped single-layer antimony. 2018, 98,	7
779	Plasmonic Hot Carriers Imaging: Promise and Outlook. 2018 , 5, 4711-4723	34
778	Localized surface plasmon resonance on two-dimensional HfSe2 and ZrSe2. 2018 , 33, 124014	5
777	Antimony Nanopolyhedrons with Tunable Localized Surface Plasmon Resonances for Highly Effective Photoacoustic-Imaging-Guided Synergistic Photothermal/Immunotherapy. 2021 , 33, e2100039	15
776	2-D Study of Near-field Generated by Surface Plasmon Resonance of Short Axis of Gold Nano-rods on SiO2 and CeO2/SiO2 Substrates for Optimisation of Water Splitting Reaction. 2021 , 1127, 012005	
775	Split Ring Resonators-Based Plasmonics Sensor With Dual Fano Resonances. 2021 , 21, 6050-6055	2
774	Portable Capillary Sensor Integrated with Plasmonic Platform for Monitoring Water Pollutants. 2021 , 16, 1677-1683	
773	Localized surface plasmon resonance in deep ultraviolet region below 200'nm using a nanohemisphere on mirror structure. 2021 , 11, 5169	2
772	Self-assembly 2D Plasmonic Nanorice Film for SERS.	
771	Principles, technologies, and applications of plasmonic biosensors. 2021 , 129, 111102	14
770	A hybrid dewetting approach to generate highly sensitive plasmonic silver nanoparticles with a narrow size distribution. 2021 , 542, 148613	9
769	Quasi-Bound States in the Continuum with Temperature-Tunable Q Factors and Critical Coupling Point at Brewster's Angle. 2021 , 15, 2000290	6
768	Multifunctional and Sensitivity Enhancement of Hybrid Acoustoplasmonic Sensors Fabricated on 36XY-LiTaO with Gold Nanoparticles for the Detection of Permittivity, Conductivity, and the Refractive Index. 2021 , 13, 13822-13837	1
767	Review of optical sensing and manipulation of chiral molecules and nanostructures with the focus on plasmonic enhancements [Invited]. 2021 , 29, 12543-12579	5

766	Fluorescent Silver Nanoclusters Embedded in Hydrogel Matrix and Its Potential Use in Environmental Monitoring. 2021 , 11, 3470	1
765	Controlled self-assembly of plasmon-based photonic nanocrystals for high performance photonic technologies. 2021 , 37, 101072	17
764	Time Optimization of Seed-Mediated Gold Nanotriangle Synthesis Based on Kinetic Studies. 2021 , 11,	4
763	A review on designing biosensors for the detection of trace metals. 2021 , 127, 104902	5
762	Modulated Luminescence of Lanthanide Materials by Local Surface Plasmon Resonance Effect. 2021 , 11,	5
761	Direct imaging of fluorescence enhancement in the gap between two gold nanodisks. 2021 , 118, 161105	
760	Determination of pseudo-refractive index in self-assembled ligand layers from spectral shift of surface plasmon resonances in colloidal silver nanoplates. 2021 ,	О
759	Realizing negative index of refraction in an ensemble of ground-state polar molecules with lasers. 2021 , 485, 126742	О
758	A versatile method for surface functionalization and hydrophobization of gold nanoparticles. 2021 , 546, 148932	2
757	Functionalized terahertz plasmonic metasensors: Femtomolar-level detection of SARS-CoV-2 spike proteins. 2021 , 177, 112971	91
756	Bifunctional plasmonic metamaterial absorber for narrowband sensing detection and broadband optical absorption. 2021 , 137, 106807	5
755	Theoretical Study on the Local Electric Field Factor and Sensitivity of Bimetallic Three-Layered Nanoshell Using Quasi-Approximation. 1	O
754	Carbon Monoxide (CO) Sensor Based on Au Nanoparticles Embedded in a CuO Matrix by HR-LSPR Spectroscopy at Room Temperature. 2021 , 5, 1-3	1
753	Bimetallic FeAg Nanopyramid Arrays for Optical Communication Applications. 2021, 4, 5758-5767	О
75 ²	Integrated nanomaterials for non-invasive photothermal therapy of rheumatoid arthritis. 2021, 26, 2315-232	8 7
751	Effect of an External DC Electric Field on the Order of Polymer-Capped Gold Nanorods: Formation of Smectic, Tetragonal, and Hexagonal Structures. 2021 , 125, 11085-11096	1
750	Biosynthesis of silver nanoparticles using Haloferax sp. NRS1: image analysis, characterization, in vitro thrombolysis and cytotoxicity. 2021 , 11, 75	5
749	Orientation-independent reaction activity monitoring with single particle and data analytics. 2021 , 590, 458-466	3

(2021-2021)

748	Anapole-assisted giant electric field enhancement for surface-enhanced coherent anti-Stokes Raman spectroscopy. 2021 , 11, 10639	2
747	Importance of Pd Distribution to Au B d Nanocrystals with High Refractive Index Sensitivity. 2021 , 125, 11262-11270	2
746	Dichroic Plasmonic Films Based on Anisotropic Au Nanoparticles for Enhanced Sensitivity and Figure of Merit Sensing. 2021 , 125, 11799-11812	Ο
745	Biosensing Applications Using Nanostructure-Based Localized Surface Plasmon Resonance Sensors. 2021 , 21,	8
744	Plasmonic Sensing: Connecting the Dots. 2021 , 12, 4697-4705	2
743	Improved Surface Plasmon Resonance Sensing Sensitivity due to an Electrochemically Potential-Induced Gold Reconstruction. 2021 , 12, 167-172	1
742	Metallic Plasmonic Array Structures: Principles, Fabrications, Properties, and Applications. 2021, e2007988	21
741	Ultrasensitive nanoplasmonic biosensor based on interferometric excitation of multipolar plasmonic modes. 2021 , 29, 17365-17374	1
740	Plasmonic biosensors for food control. 2021 , 111, 128-140	19
739	Inkjet B rintable Nanoporous Ag Disk Arrays Enabling Coffee R ing Effect D riven Analyte Enrichment Towards Practical SERS Applications. 1	5
738	GaN biosensor design with localized surface plasmon resonance. 2021,	
737	Highly flexible and stretchable strain sensors based on conductive whisker carbon nanotube films. 2021 , 176, 139-147	5
736	Near-Infrared II Plasmonic Au@AuAg Dot-in-Cubic Nanoframes for In Vivo Surface-Enhanced Raman Spectroscopic Detection and Photoacoustic Imaging. 2021 , 31, 2103186	12
735	Fiber-Optic Surface Plasmon Resonance Sensors and Biochemical Applications: A Review. 2021 , 39, 3781-3791	12
734	Bifunctionalized Gold Nanoparticles for the Colorimetric Detection of the Drug I-Hydroxybutyric Acid (GHB) in Beverages. 2021 , 9, 160	О
733	Web-above-a-Ring (WAR) and Web-above-a-Lens (WAL): Nanostructures for Highly Engineered Plasmonic-Field Tuning and SERS Enhancement. 2021 , 17, e2101262	2
732	Numerical investigation of the refractive index sensitivity of Au/Ag core-shell nanostructures for sensing applications. 2021 , 32, 100414	2
731	Ultrafast Photoinduced Heat Generation by Plasmonic HfN Nanoparticles. 2021 , 9, 2100510	6

73°	Beyond near-infrared lossy mode resonances with fluoride glass optical fiber. 2021 , 46, 2892-2895	2
729	Reversible Writing/Re-Writing Polymeric Paper in Multiple Environments. 2021, 31, 2104784	8
728	Multiplexed and High-Throughput Label-Free Detection of RNA/Spike Protein/IgG/IgM Biomarkers of SARS-CoV-2 Infection Utilizing Nanoplasmonic Biosensors. 2021 , 93, 8754-8763	15
727	Wide-range direct detection of 25-hydroxyvitamin D using polyethylene-glycol-free gold nanorod based on LSPR aptasensor. 2021 , 181, 113118	8
726	Magneto-optical methods for magnetoplasmonics in noble metal nanostructures. 2021 , 129, 211101	9
725	Refractive Index versus Coupling Effects for Naked and Surfactant-Coated Au Nanoparticle Films: Implications for Selective Detection of Vaporliquid Analytes. 2021 , 4, 6786-6795	O
724	High Performance Gold Dimeric Nanorods for Plasmonic Molecular Sensing. 2021 , 21, 13184-13191	3
723	Analysis of the optical response of a SARS-CoV-2-directed colorimetric immunosensor. 2021 , 11, 065319	4
722	Improvement of organic solar cell performance by multiple plasmonic excitations using mixed-silver nanoprisms. 2021 , 6, 264-270	5
721	Optical absorption tunability and local electric field distribution of gold-dielectric-silver three-layered cylindrical nanotube.	
720	MoS2 Nanoflowers Decorated with Au Nanoparticles for Visible-Light-Enhanced Gas Sensing. 2021 , 4, 5981-5991	8
719	Improve the plasmonic optical tunability of Au nanorod by Pt coating: the application in refractive index sensing. 2021 , 75, 1	
718	Dual-band ultrasensitive terahertz sensor based on tunable graphene metamaterial absorber. 2021 , 154, 106898	6
717	Patterning of transition metal dichalcogenides catalyzed by surface plasmons with atomic precision. 2021 , 7, 1626-1638	O
716	Patterned silver island paths as high-contrast optical sensing platforms. 2021 , 268, 115124	
715	Mesoscopic electrodynamics at metal surfaces. 2021 , 10, 2563-2616	13
714	Role of plasmonics in detection of deadliest viruses: a review. 2021 , 136, 675	2
713	An Overview of Artificial Olfaction Systems with a Focus on Surface Plasmon Resonance for the Analysis of Volatile Organic Compounds. 2021 , 11,	7

712	Review on recent experimental SPR/LSPR based fiber optic analyte sensors. 2021 , 64, 102580	19
711	Surface Plasmon Resonance (SPR)- and Localized SPR (LSPR)-Based Virus Sensing Systems: Optical Vibration of Nano- and Micro-Metallic Materials for the Development of Next-Generation Virus Detection Technology. 2021 , 11,	11
710	Rational design of on-chip gold plasmonic nanoparticles towards ctDNA screening. 2021, 11, 14185	5
709	Synthesis and characterization of poly(N-vinycaprolactam)-grafted gold nanoparticles by free radical polymerization for using as chemotherapeutic delivery system. 2021 , 266, 124535	3
708	CoreBhell Plasmonic Nanostructures on Au Films as SERS Substrates: Thickness of Film and Quality Factor of Nanoparticle Matter. 2021 , 125, 16024-16032	1
707	Microfluidics-Based Plasmonic Biosensing System Based on Patterned Plasmonic Nanostructure Arrays. 2021 , 12,	13
706	Nanoparticle synthesis assisted by machine learning. 2021 , 6, 701-716	38
705	Synthesis of AgNWs using copper bromide as stabilizing agent and oxygen scavenger and their application in conductive thin films. 2021 , 267, 124643	1
704	Principles of odor coding in vertebrates and artificial chemosensory systems. 2022 , 102, 61-154	5
703	Colorimetric Detection Based on Localized Surface Plasmon Resonance for Determination of Chemicals in Urine. 2021 , 37, 929-940	
702	Stabilization of Plasmonic Silver Nanostructures with Ultrathin Oxide Coatings Formed Using Atomic Layer Deposition. 2021 , 125, 17212-17220	1
701	Biochemical sensing exploiting plasmonic sensors based on gold nanogratings and polymer optical fibers. 2021 , 9, 1397	4
700	Numerical solution for scattering of multilayer noble metal circular aperture arrays nanostructure. 2021 , 1978, 012024	
699	Highly Q-factor elliptical absorber with cross slot as refractive index sensor in optical spectrum. 2021 , 53, 1	
698	Enhancement of refractive index sensing for an infrared plasmonic metamaterial absorber with a nanogap. 2021 , 29, 22796-22804	3
697	Nanotechnology-based Colorimetric Approaches for Pathogenic Virus Sensing: A review. 2021 ,	O
696	Double ring nanostructure with an internal cavity and a multiple Fano resonances system for refractive index sensing. 2021 , 60, 6623-6631	О
695	Enhancing Singlet Oxygen Photocatalysis with Plasmonic Nanoparticles. 2021 , 13, 35606-35616	5

694	Strong Magnetic Plasmon Resonance in a Simple Metasurface for High-Quality Sensing. 2021 , 39, 4525-4528	11
693	Sensing Inflammation Biomarkers with Electrolyte-Gated Organic Electronic Transistors. 2021 , 10, e2100955	2
692	Thickness control of mesoporous silica coated on gold nanorod. 2021 , 23, 1	О
691	Overview of Nano-Sphere and Nano-Rod Geometries for Localized Surface Plasmon Resonance Biosensing. 2021 ,	
690	Lasing-enhanced surface plasmon resonance spectroscopy and sensing. 2021 , 9, 1699	2
689	Plasmonic Au Nanoparticle Arrays for Monitoring Photopolymerization at the Nanoscale. 2021 , 4, 8770-8780	7
688	Pronounced Linewidth Narrowing of Vertical Metallic Split-Ring Resonators via Strong Coupling with Metal Surface. 2021 , 11,	1
687	Plasmonic Sensing from Vertical Au-Coated ZnO Nanorod Arrays Templated by Block Copolymers. 2021 , 4, 8556-8563	0
686	Light Focusing in Linear Arranged Symmetric Nanoparticle Trimer on Metal Film System.	0
685	Fabrication of label-free and eco-friendly ROS optical sensor with potent antioxidant properties for sensitive hydrogen peroxide detection in human plasma. 2021 , 204, 111798	1
684	Plasmonic Sensors for Vitamin Detection. 121-135	
683	Application of Noble Metals in the Advances in Animal Disease Diagnostics.	
682	Polarized optical properties of hollowed-out 2D-gold-nanosheets studied using FDTD simulations. 2021 , 11, 085026	0
681	Cancer Cell Recognition via Sensors System. 157-170	
680	Recent Advances in Gold Nanorods-Based Cancer Theranostics. 2100029	2
679	Surface Plasmonic Sensors: Sensing Mechanism and Recent Applications. 2021 , 21,	11
678	Coherent Interference Fringes of Two-Photon Photoluminescence in Individual Au Nanoparticles: The Critical Role of the Intermediate State. 2021 , 127, 073902	0
677	(1 1 1)-facet dominant ultrafine nanoporous silver as SERS substrates with high sensitivities and ultrahigh detection limits. 2021 , 556, 149820	O

676	Current Review of Optical Neural Interfaces for Clinical Applications. 2021, 12,	O
675	Selective controlling transverse plasmon spectrum of pentagonal gold nanotube: from visible to near-infrared region. 2021 , 32,	O
674	Nonlabeled detection of specific intermolecular bondings by terahertz surface plasmon resonance of topological insulator. 2021 , 46, 3897-3900	1
673	Templated Colloidal Self-Assembly for Lattice Plasmon Engineering. 2021 , 2, 816-827	10
672	Tunable Nanosensor With a Horizontal Number Eight-Shape Cavity in a MIM Waveguide System. 2021 , 9,	О
671	Multi-Narrowband Tunable Plasmonic Induced Transparency for Sensing. 2021 , 21, 18688-18695	O
670	Airborne Gold Nanoparticle Detection Using Photoluminescence Excited with a Continuous Wave Laser. 2021 , 75, 1402-1409	1
669	Performance Improvement of Triplet-Triplet Annihilation-Based Upconversion Solid Films through Plasmon-Induced Backward Scattering of Periodic Arrays of Ag and Al. 2021 , 37, 11508-11519	3
668	Dimensions controllable synthesis of silver Nano-morphologies via moderate one step methodology. 2021 , 32, 3388-3394	1
667	Self-Driving Platform for Metal Nanoparticle Synthesis: Combining Microfluidics and Machine Learning. 2106725	11
666	MIM waveguide structure consisting of two triangle stubs, side-coupled with an eight-like resonant cavity. 2021 , 495, 127087	2
665	Theoretical approach for modeling LSPR biosensors for the detection of biopolymer nucleation. 2021 , 60, 9303-9310	
664	Convolutional Neural Network-Based Terahertz Spectral Classification of Liquid Contraband for Security Inspection. 2021 , 21, 18955-18963	4
663	Mie resonant scattering-based refractive index sensor using a quantum dots-doped polylactic acid nanowire. 2021 , 119, 111106	O
662	The impact of caffeine on tau-tau interaction: LSPR detection, structural modification and molecular dynamics simulation. 2021 , 338, 115914	
661	Photogated Coordination Switching of Silver Nanoparticles for Reversible Coloration/Discoloration of Hydrogel. 2101505	O
660	Integrated sensor with a whispering-gallery mode and surface plasmonic resonance for the enhanced detection of viruses. 2021 , 38, 2855	1
659	PlasmonExciton Interactions: Spontaneous Emission and Strong Coupling. 2100889	15

658	Silver film over nanospheres (AgFoN) as tri-modal plasmonic sensing platform for Surface Plasmon Resonance Spectroscopy, Surface-Enhanced Raman Scattering, and Surface-Enhanced Fluorescence. 2021 , 1250, 131583	1
657	The total optical force exerted on black phosphorus coated dielectric cylinder pairs enhanced by localized surface plasmon. 2021 , 130, 113103	2
656	Review of synthesis and sensing applications of anisotropic silver and gold nanostructures. 2021 , 39, 050801	1
655	Experimental Characterization of Chemical Properties of Engine Oil Using Localized Surface Plasmon Resonance Sensing. 2021 , 11, 8518	2
654	Gold nanorods etching as a powerful signaling process for plasmonic multicolorimetric chemo-/biosensors: Strategies and applications. 2021 , 442, 213934	10
653	Plasmon Character Index: An Accurate and Efficient Metric for Identifying and Quantifying Plasmons in Molecules. 2021 , 12, 9391-9397	1
652	Plasmonic Au-Metal Oxide Nanocomposites for High-Temperature and Harsh Environment Sensing Applications. 2021 , 16, 3558-3584	О
651	Robust Colloidal Synthesis of Palladium-Gold Alloy Nanoparticles for Hydrogen Sensing. 2021 , 13, 45758-45	5767 ₀
650	Nanoparticle-Based FM-MCF LSPR Biosensor With Open Air-Hole. 2021 , 2,	
649	[email´protected] CoreBhell Nanostructures: Toward a New Platform for Controlling Optical Properties at the Nanoscale. 2021 , 125, 20606-20616	2
648	Localized Surface Plasmon Resonance Sensors for Biomarker Detection with On-Chip Microfluidic Devices in Point-of-Care Diagnostics. 2022 , 199-223	
647	Optical Biosensors Towards Point of Care Testing of Various Biochemicals. 2022 , 245-277	
646	Recent advances on portable sensing and biosensing assays applied for detection of main chemical and biological pollutant agents in water samples: A critical review. 2021 , 143, 116344	29
645	A high sensitivity nanosensor of ring resonator with inner stubs for multifunctional sensing. 2021 , 60, 102004	
644	Analytical study of Fano phenomenon in plasmonic hexamer and heptamer using characteristic mode theory. 2021 , 243, 167388	1
643	Structural Optimization of Single-Layer Graphene Metamaterial for Ultra-Broadband Terahertz Absorber. 2021 , 13, 1-7	O
642	Gap plasmon modes resolved by ultraflat nanogap and linear polarization in terrace-stepped hexagonal boron nitride spacer sandwiched by Ag nanowire and metal substrates. 2021 , 31, 16-21	
641	Gold nanoparticles immobilized on halloysite nanotubes for spatially-temporally localized photohyperthermia. 2021 , 566, 150671	2

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640	Unified treatments for localized surface plasmon resonance and propagating surface plasmon polariton based on resonance modes in metal nanowire. 2021 , 499, 127277	9
639	The effects of different parameters and interaction angles of a 532 nm pulsed Nd: YAG laser on the properties of laser-ablated silver nanoparticles. 2021 , 501, 127366	O
638	Development of a colorimetric aptasensor for aflatoxin B1 detection based on silver nanoparticle aggregation induced by positively charged perylene diimide. 2021 , 130, 108323	3
637	Recent advances on the development of plasmon-assisted biosensors for detection of C-reactive protein. 2021 , 1246, 131178	2
636	Gold nanoparticle based plasmonic sensing for the detection of SARS-CoV-2 nucleocapsid proteins. 2022 , 195, 113669	10
635	Plasmonic Fano-type nanocavity for double resonance enhanced SERS and optical sensing. 2022 , 502, 127441	3
634	Reconfigurable localized surface plasmon resonance spectrum based on acousto-dynamic coupling in arrays gold nanoparticles induced by shear horizontal vibration. 2022 , 571, 151331	
633	Influences of a standardized food matrix and gastrointestinal fluids on the physicochemical properties of titanium dioxide nanoparticles 2021 , 11, 11568-11582	2
632	Plasmonic triangular nanoprism sensors. 2021 , 2, 32-46	6
631	Nanomedicine as a promising strategy for the theranostics of infectious diseases. 2021 , 9, 7878-7908	3
630	Nanomedicine as a promising strategy for the theranostics of infectious diseases. 2021 , 9, 7878-7908 Modification of Surface Bond Au Nanospheres by Chemically and Plasmonically Induced Pd Deposition. 2021 , 11,	3
	Modification of Surface Bond Au Nanospheres by Chemically and Plasmonically Induced Pd	
630	Modification of Surface Bond Au Nanospheres by Chemically and Plasmonically Induced Pd Deposition. 2021 , 11, Nanoparticles in analytical laser and plasma spectroscopy a review of recent developments in	1
630	Modification of Surface Bond Au Nanospheres by Chemically and Plasmonically Induced Pd Deposition. 2021, 11, Nanoparticles in analytical laser and plasma spectroscopy (a) review of recent developments in methodology and applications. 2021, 36, 1826-1872 The design of magneto-plasmonic nanostructures formed by magnetic Prussian Blue-type	1
630 629 628	Modification of Surface Bond Au Nanospheres by Chemically and Plasmonically Induced Pd Deposition. 2021, 11, Nanoparticles in analytical laser and plasma spectroscopy & review of recent developments in methodology and applications. 2021, 36, 1826-1872 The design of magneto-plasmonic nanostructures formed by magnetic Prussian Blue-type nanocrystals decorated with Au nanoparticles. 2021, 57, 1903-1906	1 6 3
630 629 628	Modification of Surface Bond Au Nanospheres by Chemically and Plasmonically Induced Pd Deposition. 2021, 11, Nanoparticles in analytical laser and plasma spectroscopy & review of recent developments in methodology and applications. 2021, 36, 1826-1872 The design of magneto-plasmonic nanostructures formed by magnetic Prussian Blue-type nanocrystals decorated with Au nanoparticles. 2021, 57, 1903-1906 Refractive index and formaldehyde sensing with silver nanocubes 2021, 11, 8042-8050 A PEGDA hydrogel nanocomposite to improve gold nanoparticles stability for novel plasmonic	1 6 3
630 629 628 627	Modification of Surface Bond Au Nanospheres by Chemically and Plasmonically Induced Pd Deposition. 2021, 11, Nanoparticles in analytical laser and plasma spectroscopy (a review of recent developments in methodology and applications. 2021, 36, 1826-1872 The design of magneto-plasmonic nanostructures formed by magnetic Prussian Blue-type nanocrystals decorated with Au nanoparticles. 2021, 57, 1903-1906 Refractive index and formaldehyde sensing with silver nanocubes 2021, 11, 8042-8050 A PEGDA hydrogel nanocomposite to improve gold nanoparticles stability for novel plasmonic sensing platforms. 2021, 129, 033101 Substrate-immobilized noble metal nanoplates: a review of their synthesis, assembly, and	1 6 3 7

622	Plasmonic metal nanostructures with extremely small features: new effects, fabrication and applications. 2021 , 3, 4349-4369	5
621	Enhancing the electrocatalytic activity and stability of Prussian blue analogues by increasing their electroactive sites through the introduction of Au nanoparticles. 2021 , 13, 12676-12686	2
620	A Review on the Role of Nanosensors in Detecting Cellular miRNA Expression in Colorectal Cancer. 2021 , 21, 12-26	7
619	Ultrasensitive metasurface biosensors by the use of constrained Mie resonance and metallic dissipation. 2021 , 1-1	3
618	Fabrication and surface-enhanced Raman scattering properties of thin-film assemblies of classified silver nanoparticles. 2021 , 60, 027002	0
617	Recent advances in the application of noble metal nanoparticles in colorimetric sensors for lead ions. 2021 , 8, 863-889	10
616	Metal-Organic Frameworks for Preserving the Functionality of Plasmonic Nanosensors. 2021 , 13, 5564-5573	3
615	Morphology-Invariant Metallic Nanoparticles with Tunable Plasmonic Properties. 2021 , 15, 2428-2438	18
614	In Situ Monitoring of Electronic Structure in a Modal Strong Coupling Electrode under Enhanced Plasmonic Water Oxidation. 2021 , 125, 1754-1760	3
613	A 3D-cascade-microlens optofluidic chip for refractometry with adjustable sensitivity. 2021 , 21, 3784-3792	1
612	Carbohydrate Nanotechnology and its Application to Biosensor Development. 387-421	2
611	Nanoscale Optical Display and Sensing Based on the Modification of Fano Lineshape. 2020 , 8, 2000489	8
610	Surface Plasmon Resonance for Therapeutic Antibody Characterization. 2015 , 35-76	5
609	Molecularly Imprinted Polymers and Optical Fiber Sensors for Security Applications. 2020 , 17-24	5
608	Green Sensors for Environmental Contaminants. 2020 , 491-516	6
607	Electrochemical synthesis of gold nanorods in track-etched polycarbonate membrane using removable mercury cathode. 2012 , 349-358	2
606	Application of Nanoparticles in Manufacturing. 2016 , 1219-1278	2
605	LSPR Biosensing: Recent Advances and Approaches. 2017 , 211-238	4

604	Plasmonic Gas and Chemical Sensing. 2015 , 239-272	2
603	Emerging Nanomaterials for Cancer Therapy. 2020 , 25-54	3
602	Hybrid localized surface plasmon resonance and quartz crystal microbalance sensor for label free biosensing. 2018 , 100, 23-27	19
601	Surface plasmons in graphene and carbon nanotubes. 2020 , 167, 455-474	16
600	Magneto-plasmonic Co@M (M = Au/Ag/Au-Ag) core-shell nanoparticles for biological imaging and therapeutics. 2020 , 251, 107095	7
599	Fiber optic particle plasmon resonance immunosensor for rapid and sensitive detection of methamphetamine based on competitive inhibition. 2020 , 157, 105026	8
598	Recent advances in optical biosensors for the detection of cancer biomarker æfetoprotein (AFP). 2020 , 128, 115920	14
597	Metal Nanocrystals. 2020,	1
596	Potential-Scanning Localized Plasmon Sensing with Single and Coupled Gold Nanorods. 2017, 8, 3637-3641	35
595	DNA-induced assembly of gold nanoprisms and polystyrene beads into 3D plasmonic SERS substrates. 2021 , 32, 025506	5
594	Research on dual-core photonic crystal fiber based on local surface plasmon resonance sensor with silver nanowires. 2018 , 12, 1	3
593	Plasmonic coupled modes in metal-insulator-metal structures for sensing applications. 2018,	1
592	Determination of 1-propanol, ethanol, and methanol concentrations in water based on a one-dimensional phoxonic crystal sensor. 2020 , 59, 3878-3885	49
591	Tunable plasmonic effects arising from metal-dielectric nanorods. 2019 , 58, 2530-2539	6
590	Experimental studies on the sensitivity of the propagating and localized surface plasmon resonance-based tapered fiber optic refractive index sensors. 2019 , 58, 4149-4156	17
589	Active Surface Plasmon Sensor. 2014 ,	1
588	Influence of the CTAB surfactant layer on optical properties of single metallic nanospheres. 2019 , 36, C78-C84	8
587	Field-only surface integral equations: scattering from a dielectric body. 2020 , 37, 284-293	8

586	Field-only surface integral equations: scattering from a perfect electric conductor. 2020 , 37, 276-283	9
585	Polarization switching between parallel and orthogonal collective resonances in arrays of metal nanoparticles. 2019 , 36, E65	10
584	Core size and axial offset dependent extinction characteristics for silver nanotube and its application to directional sensing. 2019 , 36, 1637	2
583	Lossy mode resonance-based highly sensitive fiber optic refractive index sensor using the bilayer of FTO/HfO2 for operation in the visible region. 2020 , 37, 3841	2
582	Quantum plasmonic sensing using single photons. 2018 , 26, 29272-29282	15
581	Experimental demonstration of high sensitivity refractive index sensing based on magnetic plasmons in a simple metallic deep nanogroove array. 2018 , 26, 34122-34130	9
580	Continuous-wave laser-induced welding and giant photoluminescence enhancement of Au nanospheres. 2019 , 27, 2886-2898	4
579	Active perfect absorber based on planar anisotropic chiral metamaterials. 2019 , 27, 6801-6814	16
578	Metallic photonic crystal-based sensor for cryogenic environments. 2019 , 27, 16344-16359	3
577	Two phase transitions in PbZnO at high pressure and the theoretical study of plasmons properties of PbZnO quantum dots. 2019 , 27, 16586-16598	2
576	3D nanoporous antennas as a platform for high sensitivity IR plasmonic sensing. 2019 , 27, 25912-25919	4
575	Spoof plasmons enable giant Raman scattering enhancement in Near-Infrared region. 2019 , 27, 32578-32586	8
574	Structurally tunable gear-shaped plasmonic sensor. 2020 , 28, 36070-36083	5
573	Plasmonic hybridization generation in self-aligned disk/hole nanocavities for multi-resonance sensing. 2020 , 28, 36455-36465	2
572	Enhancing the figure of merit of refractive index sensors by magnetoplasmons in nanogratings. 2018 , 43, 5090-5093	11
571	Shape-engineered silver nanocones for refractive index plasmonic nanosensors. 2019 , 44, 3713-3716	6
570	Optical modulator based on the coupling effect of different surface plasmon modes excited on the metasurface. 2020 , 10, 105	3
569	Label-free biomechanical nanosensor based on LSPR for biological applications. 2020 , 10, 1264	3

568	Tunable temperature sensor based on an integrated plasmonic grating. 2019 , 9, 435	14
567	Embedded arrays of annular apertures with multiband near-zero-index behavior and demultiplexing capability at near-infrared. 2019 , 9, 3169	4
566	Nonlinearities and carrier dynamics in refractory plasmonic TiN thin films. 2019 , 9, 3911	7
565	Controlling the plasmon resonance via epsilon-near-zero multilayer metamaterials. 2020 , 9, 3637-3644	7
564	Hyperbolic dispersion metasurfaces for molecular biosensing. 2020 , 10, 295-314	19
563	Key aspects of surface plasmon resonance spectroscopy for analytical chemistry applications. 2018 , 7,	1
562	High-speed Gas Sensing using Localized Surface Plasmon Resonance of Sputtered Noble Metal Nanoparticles. 2013 , 133, 90-95	10
561	Size and shape-controlled nanomaterials based on modified polyol and thermal decomposition approaches. A brief review 2019 , 91,	19
560	Functional Nanomaterials for the Detection and Control of Bacterial Infections. 2019, 19, 2449-2475	5
559	CO2 Reduction by Photocatalysis on TiO2. 2018 , 268-299	2
559 558	CO2 Reduction by Photocatalysis on TiO2. 2018 , 268-299 Engineering a Localized Surface Plasmon Resonance Platform for Molecular Biosensing. 2018 , 08, 126-139	14
558	Engineering a Localized Surface Plasmon Resonance Platform for Molecular Biosensing. 2018 , 08, 126-139	14
558 557	Engineering a Localized Surface Plasmon Resonance Platform for Molecular Biosensing. 2018 , 08, 126-139 Modulation of propagating surface plasmons. 2019 , 68, 147302	14
558 557 556	Engineering a Localized Surface Plasmon Resonance Platform for Molecular Biosensing. 2018, 08, 126-139 Modulation of propagating surface plasmons. 2019, 68, 147302 PAME: plasmonic assay modeling environment. 1, e17	14 4 2
558 557 556 555	Engineering a Localized Surface Plasmon Resonance Platform for Molecular Biosensing. 2018, 08, 126-139 Modulation of propagating surface plasmons. 2019, 68, 147302 PAME: plasmonic assay modeling environment. 1, e17 Shining light on chiral inorganic nanomaterials for biological issues. 2021, 11, 9262-9295 Localized surface plasmon resonance aptasensor for selective detection of SARS-CoV-2 S1 protein.	14 4 2
558 557 556 555 554	Engineering a Localized Surface Plasmon Resonance Platform for Molecular Biosensing. 2018, 08, 126-139 Modulation of propagating surface plasmons. 2019, 68, 147302 PAME: plasmonic assay modeling environment. 1, e17 Shining light on chiral inorganic nanomaterials for biological issues. 2021, 11, 9262-9295 Localized surface plasmon resonance aptasensor for selective detection of SARS-CoV-2 S1 protein. 2021, 146, 7207-7217	14 4 2

550	Symmetry-Reduced Metal Nanostructures Offer New Opportunities in Plasmonics and Catalysis.	4
549	Kinetic Regulation of the Synthesis of Pentatwinned Gold Nanorods below Room Temperature. 2021 , 125, 23937-23944	2
548	Imaging Infrared Plasmon Hybridization in Doped Semiconductor Nanocrystal Dimers. 2021 , 12, 10270-10276	2
547	Improve the Hole SizeDependent Refractive Index Sensitivity of AuAg Nanocages by Tuning the Alloy Composition. 1	1
546	Core-Multishell [email´protected]2½[email´protected] Nanoparticles for Surface-Enhanced Raman Scattering-Guided Low-Intensity Photothermal Cancer Therapy.	1
545	Gold nanoparticles (GNPs) in biomedical and clinical applications: A review.	6
544	In Situ Chemical Patterning Technique. 2107945	3
543	Heterostructures Built through Site-Selective Deposition on Anisotropic Plasmonic Metal Nanocrystals and Their Applications. 2100101	5
542	Cannabidiol-Mediated Green Synthesis, Characterization, and Cytotoxicity of Metal Nanoparticles in Human Keratinocyte Cells. 2021 , 6, 29078-29090	2
541	Trace-Level Detection of Explosive Molecules with Triangular Silver Nanoplates-Based SERS Substrates. 1	О
540	Challenges in Detection of Serum Oncoprotein: Relevance to Breast Cancer Diagnostics. 2021 , 13, 575-593	
539	Photoswitchable Machine-Engineered Plasmonic Nanosystem with High Optical Response for Ultrasensitive Detection of microRNAs and Proteins Adaptively. 2021 , 93, 13935-13944	2
538	Highly Specific and Rapid Colorimetric Detection of Tetracycline in Pills and Milk Based on Aptamer-Controlled Aggregation of Silver Nanoparticles. 2022 , 5, 107	1
537	Heterostructure nanocomposite with local surface plasmon resonance effect enhanced photocatalytic activity critical review. 2022 , 55, 043002	1
536	Metal ion implantation into transparent dielectric slab: an effective route to high-stability localized surface plasmon resonance sensors. 2021 , 33,	0
535	Metallic nanoparticle-on-mirror: Multiple-band light harvesting and efficient photocurrent generation under visible light irradiation. 2021 , 90, 106609	3
534	Plasmonic Interferometer for Enhanced Optical Biosensing. 2012,	_
533	Energy Transfer in Peridinin-Chlorophyll-Protein-Metallic Nanoparticle Hybrid Nanostructure: Effect of Spatial Arrangement. 2012 , 122, 307-311	

Plasmonic Nanoparticle-Based Metamaterials: From Electric to Magnetic Response. 2013, 327-365 532 Single-Nanoparticle Study of Switchable Exciton-Plasmon Coupling. 2014, 531 Opportunities You Do Not Want to Miss and Risks You Cannot Afford to Take in Urine Biomarker 530 5 Ега. **2014**, 1, Plasmonic Nanoparticles Coupled with an |n>-State Quantum System. 2015, 37-69 529 Metallic Nanostructures for Catalytic Applications. 2015, 243-269 528 Optical Chemical Sensor. 2015, 135, 299-304 527 526 Data Extraction Algorithms. 2015, 27-32 From plasmon to nanoplasmonics-the frontiers of modern photonics and the role of liquid crystals 525 in tuneable nanoplasmonics. 2015, 64, 124214 Enhancement and quenching of photoluminescence from Au nanoparticles and CdTe quantum dot 1 524 composite system. 2015, 64, 167301 Analysis of Aggregation Reaction of Silver Nanoparticles in Microchannel for Highly Sensitive 523 Surface-Enhanced Raman Spectroscopy. 2015, 135, 433-438 Highly Efficient Biosensing with All-Dielectric Nanoparticles. 2016, 522 Estimation of Sensitivity Enhancements of Material-Dependent Localized Surface Plasmon 521 Resonance Sensor Using Nanowire Patterns. 2016, 33, 363-369 Plasmonic Silver Nanoparticles with Atomically Precise Composition. 2016, 4, 520 Behaviour of a Line of the Surface Plasmon Resonance in Metal Nanoparticles. 2016, 38, 717-735 519 Characteristic Analysis of Nano-hole Array Optical Filter having Psychological Protection for Color 518 1 Recognition. 2016, 15, 95-100 Plasmonics and Surface Plasmons. 2016, 1062-1082 517 Simulation on Refractive Index Sensing by a Nanometer Bandwidth Optical Bandpass Filter in Form 516 of a Prism Pair Coupled Planar Optical Waveguide. 2017, Hybrid plasmonics optical leaky wave antenna array with high gain and broadband. 2017, 515

514	Multi-Resonant Optical Nanocavities with Continuous Spectral Tunability by Metal-dielectric Multilayer Engineering. 2017 ,
513	Silicon metamaterials for infrared applications. 2017 , 347-372
512	Handheld highly selective plasmonic chem/biosensor using engineered binding proteins for extreme conformational changes. 2017 ,
511	Biomolecule Sensing Using Surface Plasmon Resonance. 2017 , 259-288
510	Surface-to-volume ratio controls the radiation of stratified plasmonic antennas. 2017 , 11, 1
509	Fundamentals of Plasmonics. 2017 , 1-20
508	Theoretical investigation of detection accuracy of surface plasmon resonance sensor with dielectric layer. 2017 , 11, 1
507	Trace Measurement with Optical Fiber Type Spectroscopic Cell Fabricated by Femtosecond Laser. 2018 , 46, 495
506	Simple field enhancement formulation for gold bipyramids for application in two-photon luminescence and scattering. 2018 ,
505	Plasmonic Properties, Stability and Chemical Reactivity of Metal Nanoparticles Literature Review. 2018 , 5-34
504	Surface plasmon resonance on gold microstructures. 2018,
503	Condition of excitation and sensitivity of diffractively-coupled surface lattice resonances over plasmonic nanoparticle arrays in ATR geometry. 2018 ,
502	Plasmon-based determination of macromolecular interactions with membrane-encapsulated nanoparticles. 2018 ,
501	Simulation of absorption spectra of Au/PTFE nanocomposite by means Maxwell-Garnett effective medium approximation. 2018 ,
500	Plasmonic nano-structured material based on silver and reduced graphene oxide (RGO) for surface enhanced Raman spectroscopy. 2018 ,
499	The influence of truncating the carboxy-terminal amino acid residues of Streptococcal enolase on its ability to interact with canine plasminogen.
498	Observation of Exceptional Points in Passive Plasmonic Nanostructure. 2019,
497	Modeling and Data Processing. 2019 , 31-48

Influence of liquid crystal cladding on light propagation in a tapered optical fiber. 2019, 496 Exploring surface sensitivity of Rayleigh anomaly in metal/dielectric multilayer gratings. 2019, 27, 14152-141624 495 Excitation and tuning of a dual graphene plasmonic wave based on a trapezoidal grating structure. 494 **2019**, 58, 4762-4770 Analysis of homogeneous layer approximations in the modeling of localized surface plasmon 493 resonance biosensors. 2019, 58, 6519-6527 Quantitative Surface Plasmon Interferometry via Upconversion Photoluminescence Mapping. 2019, 492 2 2019.8304824 3D conical helix metamaterial-based isotropic broadband perfect light absorber. 2019, 27, 26369-26376 491 Synthesis, characterization, and computational modeling of polyelectrolyte-coated plasmonic gold 490 nanorods for photothermal heating studies. **2019**, Application of Gold Nanostructures in Biomedicine. 1-44 489 Ouantum Corrections in Plasmonics and PlasmonEmitter Interactions. 2020, 157-202 488 Surface Plasmon Resonance. 2020, 61-115 487 New hybridization coupling mechanism and enhanced sensitivity in a CuS@Au nanoparticle dimer. 486 O 2020, 31, 365501 Gold Nanoparticle Films Deposited on Substrates From Brij 30 Reverse Micellar Solution: 485 Formation, Processing, and Characterization. **2020**, 65, 1264-1275 484 Design and Simulation of an All-Optical Plasmonic Fano Switch. 2020, Toward the Development of Rapid, Specific, and Sensitive Microfluidic Sensors: A Comprehensive 483 2 Device Blueprint. 2021, 1, 1815-1833 Oxygen defect, electron transfer and photocatalytic activity of Ag/CeO2/SBA-15 hybrid catalysts. 482 \circ 2021, Graft-Then-Shrink: Simultaneous Generation of Antifouling Polymeric Interfaces and Localized 481 Surface Plasmon Resonance Biosensors. 2021, Hybrid Fiber-Optic Sensors. 2020, 13-38 480 1 Quick response hydrogen LSPR sensor based on a hetero-core fiber structure with palladium nanoparticles. 2021, 29, 48-58

478	Peculiarities of prismatic input of narrow-band radiation into Ag-ion diffusion waveguide. 2020 , 1697, 012136	
477	Hybridization and Dehybridization of Plasmonic Modes. 2021 , 125, 724-731	2
476	Excitation of surface plasmon waves with a nanoantenna: simple analytical solution and its numerical verification. 2020 , 44, 893-900	1
475	Optimization of the ultra-narrow plasmonic bandwidth of Pt-coated Au nanorod: The application in refractive index sensing. 2022 , 135, 114996	1
474	Advances in Surface Enhanced Raman Spectroscopy for Imaging in Oncology 2022 , 6, 31-49	3
473	Hyperbolic dispersion metamaterials and metasurfaces. 2020 , 7, 11	1
472	Resonantly Enhanced Absorption in Bifurcation Plasmon Nanostructures for Refractive Index Sensing.	
471	Contrast-enhanced photoacoustic imaging with gold nanoparticles. 2021 ,	
470	DNA-mediated hierarchical organization of gold nanoprisms into 3D aggregates and their application in surface-enhanced Raman scattering. 2021 , 23, 25256-25263	1
469	Observation of plasmonic exceptional points at subwavelength scale. 2020,	
468	Introduction. 2020 , 3-12	
467	Plasmonic Hybrid Nanocomposites for Plasmon-Enhanced Fluorescence and Their Biomedical Applications. 2020 , 459-488	2
466	Nanorod Dimer-Based Optical Fiber Plasmonic Sensor. 2020 , 325-332	
465	Green Synthesis of Plasmonic Metal Nanoparticles and Their Application as Enviromental Sensors. 2020 , 219-257	
464	Parametric optimization of visible wavelength gold lattice geometries for improved plasmon-enhanced fluorescence spectroscopy. 2020 , 59, 2308-2318	1
463	Design of Surface Plasmon Resonance Sensor with Bruggeman Effective Medium Layers. 2020 , 29, 118-122	
462	Plasmonic Nanoparticles with Biospecific Surfaces in Optical Sensorics of BioLiquids. 2020,	О
461	Resonant states and their role in nanophotonics.	3

460 Analytical Calculations of Scattering Amplitude of Surface Plasmon Polaritons Excited by a Spherical Nanoantenna. **2021**, 11,

459	Highly sensitive plasmonic nanorod hyperbolic metamaterial biosensor.	7
458	Optical and mechanical study of size-controlled Cu particles synthesized by electrodeposition.	
457	Sensitivity of lossy mode resonance-based optical fiber sensors as a function of the coating material refractive index. 2021 , 75, 1	3
456	Combination of Porous Silk Fibroin Substrate and Gold Nanocracks as a Novel SERS Platform for a High-Sensitivity Biosensor. 2021 , 11,	1
455	Colloidal Self-Assembly Approaches to Smart Nanostructured Materials. <i>Chemical Reviews</i> , 2021 , 68.1	. 28
454	Plasmonic hyperbolic metamaterial and nanosphere composite for light trapping as a solar cell: Numerical study. 2021 , 122, 111740	O
453	Modal control of thermoplasmonic behavior of nanostructures based on excitation of perfect absorption resonances. 2020 , 37, 2238	2
452	Odor Analysis Method. 105-140	1
451	Plasmonic nanoarcs: a versatile platform with tunable localized surface plasmon resonances in octave intervals. 2020 , 28, 30889-30907	2
450	On the extraction of MoOphotothermally active nanoparticles by gel filtration from a byproduct of few-layer MoSexfoliation. 2020 ,	O
449	Chiral Hybrid Nanosystems and Their Biosensing Applications.	
448	Plasmonic Smart Nanosensors for the Determination of Environmental Pollutants. 2020 , 237-279	1
447	Metal Nanoparticles for Analytical Applications. 2020 , 91-106	
446	Self-reference plasmonic sensor with ultranarrow linewidths based on SPP and cavity resonances. 2020 , 13, 092003	O
445	Lithographically-prepared gold nanobowls to detect mesoscale target analytes. 2020 , 10, 3185	O
444	Localised plasmonic hybridisation mode optical fibre sensing of relative humidity 2022, 353, 131157	1
443	Aptamer-engineered gold nanorod driven an absorbance enhanced strategy for sensitive biomacromolecule profiling. 2021 , 239, 123116	

442	Shear horizontal surface acoustic waves assisted gold nanoparticles for a highly tunable localized surface plasmon resonance spectrum. 2021 ,	
441	Bioelectronic modulation of single-wavelength localized surface plasmon resonance (LSPR) for the detection of electroactive biomolecules. 2021 ,	1
440	Photocatalytic Properties of Silver Nanospherical Arrays Driven by Surface Plasmons. 2021 , 9, 336	0
439	Nanostructured Surfaces as Plasmonic Biosensors: A Review. 2101133	6
438	Multicolor diagnosis of salivary alkaline phosphatase triggered by silver-coated gold nanobipyramids. 2021 , 188, 423	1
437	Super-resolution imaging of plasmonic nanostructures by microsphere-assisted microscopy 2022 , 61, E8-E13	3
436	Gold Nanoparticles Generated Using the Nanosecond Laser Treatment of Multilayer Films and Their Use for SERS Applications 2021 , 6, 33889-33898	О
435	Tamm Plasmon-Polariton Ultraviolet Lasers. 2100120	2
434	A MIM Waveguide Structure of a High-Performance Refractive Index and Temperature Sensor Based on Fano Resonance. 2021 , 11, 10629	4
433	Stable plasmonic nano-trapping using a hybrid gold-graphene V-trench with an extremely deep potential well. 2021 , 11, 4107	1
432	Plasmonic Nanoparticle Conjugation for Nucleic Acid Biosensing. 2022 , 2393, 73-87	
431	Robust broadband directional plasmons in a MoOCl2 monolayer. 2021 , 104,	1
430	Smartphone-Based Colorimetric Detection of Chromium (VI) by Maleic Acid-Functionalized Gold Nanoparticles. 2021 , 11, 10894	1
429	Quantifying the durability of transition metal nitrides in thermoplasmonics at the single-nanoparticle level. 2021 , 11, 115027	1
428	Heat-Resistant Black Insulative Thin Films for Flat-Panel Displays in Al-Doped Ag-Fe-O Systems. 2021 , 13, 57971-57980	2
427	Flexible Plasmonic Biosensors for Healthcare Monitoring: Progress and Prospects. 2021,	13
426	Plasmonic hotspot engineering of Ag-coated polymer substrates with high reproducibility and photothermal stability. 2021 , 354, 131110	2
425	Shape-Dependent Catalytic Activity of Gold and Bimetallic Nanoparticles in the Reduction of Methylene Blue by Sodium Borohydride. 2021 , 11, 1442	2

424	Electrochemistry Coupling Localized Surface Plasmon Resonance for Biochemical Detection. 2022 , 2393, 15-35	0
423	A Field-Deployable Diagnostic Assay for the Visual Detection of Misfolded Prions.	О
422	Localized Surface Plasmon Resonance in Colloidal Copper Sulphide (Cu2-xS, x´=´0 tk´. 2022 , 1-23	
421	Refractive index sensor based on Fano resonance in a ring with a rectangular cavity structure. 2021 , 31, 104997	O
420	Simple and sensitive lead ion detection based on difference of gold monomer ratio using dark field microscope as readout system. 2021 , 353, 131163	0
419	Morphologies of self-assembled gold nanorod-surfactant-lipid complexes at molecular level. 2020 , 69, 248701	
418	Investigation on optical temperature sensing behaviour Ag island-enhanced luminescence doped ENaGdF:Yb/Tm films/microfibers 2021 , 11, 36569-36576	1
417	A 30.3 fA/Hz Biosensing Current Front-End with 139 dB Cross-Scale Dynamic Range. 2021 , PP,	1
416	Controlling Localized Plasmons via an Atomistic Approach: Attainment of Site-Selective Activation inside a Single Molecule 2022 ,	1
415	Optical Constants of Noble Metals at the Nanoscale within the Framework of the Drude Free-Electron Conduction Model: Implications for Liquid Crystal Sensing.	
414	An Asymmetric Grating Refractive Index Sensor Generating Quasi-Bound States in the Continuum with High Figure of Merit and Temperature Self-Compensation.	0
413	Localized surface plasmon resonance (LSPR) of coupled metal nanospheres in longitudinal, transverse and three-dimensional coupling configurations. 2022 , 252, 168518	O
412	Plasmonic Au-Ag alloy nanostars based high sensitivity surface enhanced Raman spectroscopy fiber probes. 2022 , 900, 163345	0
411	Carboxymethyl chitosan/graphene oxide/silver nanotriangles nanohybrid as the sensing materials for the enhancement of ammonia localized surface plasmon resonance sensor. 2022 , 148, 107789	O
410	Bio-electron transfer modulated localized surface plasmon resonance biosensing with charge density monitoring 2022 , 201, 113956	1
409	Dual channel plasmonic hybrid system as potential multi-analyte and multi-parameter sensor. 2022 , 149, 107853	O
408	Hydrogel-based Nanocomposite Plasmonic Sensors for Biomedical Applications. 2020,	
407	Sensitivity of Silver Square and Triangular Chiral Plasmon Nanosensors. 2021 , 15, 65-72	O

406	Thickness control of the silica shell: a way to tune the plasmonic properties of isolated and assembled gold nanorods. 2022 , 24,	3
405	Plasmonic color generation in silver nanocrystal-over-mirror films by thermal embedment into a polymer spacer.	
404	Accelerated Leaching of Unmodified Gold Nanoparticles for Environmental and Biological Monitoring of Nitrite and Nitrate. 2022 , 7,	0
403	Visible-light and near-infrared fluorescence and surface-enhanced Raman scattering point-of-care sensing and bio-imaging: a review 2021 ,	10
402	Functionalised (ZnO:Dy@AuNP) Nanoassembly for Sensing Nitro Aromatic Compound. 2022, 255-274	
401	Fabricating Dual-Functional Plasmonic-Magnetic Au@MgFeO Nanohybrids for Photothermal Therapy and Magnetic Resonance Imaging 2022 , 7, 2031-2040	1
400	Double-Resonant Nanostructured Gold Surface for Multiplexed Detection 2022,	2
399	Recent Development of Optofluidics for Imaging and Sensing Applications. 2022 , 10, 15	1
398	Advances and applications of nanophotonic biosensors 2022 , 17, 5-16	38
397	Plasmon-Based Small-Molecule Activation: A New Dawn in the Field of Solar-Driven Chemical Transformation. 2022 , 12, 1052-1067	1
396	Nanoplasmonics: Fundamentals and Recent Developments. 2022,	
395	Nanosensors for the detection of heavy trace metals in soil. 2022 , 329-353	
394	Chapter 2. Engineered Gold Nanoparticles for Photothermal Applications. 2022 , 33-80	1
393	Metal-Dielectric-Graphene Hybrid Heterostructures with Enhanced Surface Plasmon Resonance Sensitivity Based on Amplitude and Phase Measurements. 1	2
392	Plasmon-Accelerated Generation of Singlet Oxygen on an Au/MoS Nanohybrid for Enhanced Photodynamic Killing of Bacterial Pathogens/Cancerous Cells 2022 ,	1
391	Highly-anisotropic plasmons in two-dimensional hyperbolic copper borides 2022 , 30, 5596-5607	O
390	Sensitivity Improvement of Surface Plasmon Resonance Biosensors with GeS-Metal Layers. 2022 , 11, 332	1
389	A Naked-eye Colorimetric pH and Temperature Sensor Based on Gold Nanoparticle-Loaded Stimuli-Sensitive Dendrimers.	

388	Photoresponsive DNA materials and their applications 2022,	8
387	Core-cap heterodimer independent of polarization direction of excitation light. 2022 , 71, 037801	
386	Operando electrochemical SERS monitors nanoparticle reactions by capping agent fingerprints. 1	1
385	A Coloration Biochip for Optical Virus Detection Based on Printed Single Nanoparticle Array. 2102164	1
384	Monodispersed AgNPs Synthesized from the Nanofactories of (Cocoa) Leaves and Pod Husk and Their Antimicrobial Activity 2022 , 2022, 4106558	
383	Surface Plasmon Resonance of Two-Dimensional Gold Colloidal Crystals Formed on Gold Plates 2022 , 70, 130-137	
382	Adaptive gold/vanadium dioxide periodic arrays for infrared optical modulation. 2022, 152592	2
381	Polarization-controlled single-particle scattering imaging spectroscopy using waveguide excitation 2022 , 30, 4875-4885	1
380	Resonant optical modes in periodic nanostructures. 1	1
379	Photocatalytic degradation and reusable SERS detection by Ag nanoparticles immobilized on g-C3N4/graphene oxide nanosheets. 2022 , 128212	O
378	Shape Modulation of Plasmonic Nanostructures by Unconventional Lithographic Technique 2022 , 12,	O
377	How the Physicochemical Properties of Manufactured Nanomaterials Affect Their Performance in Dispersion and Their Applications in Biomedicine: A Review 2022 , 12,	2
376	Nanoantenna effect dependent on the center structure of Bull's eye-type plasmonic chip 2022 , 30, 7526-7	75381
375	Plasmonic Strain Sensors Based on Au-TiO Thin Films on Flexible Substrates 2022 , 22,	O
374	Magnetic-plasmonic properties of CoFe2O4@Au nanocomposite. 2022 , 164, 110630	1
373	State of the art of ultra-thin gold layers: formation fundamentals and applications.	2
372	Effective excitation of bulk plasmon-polaritons in hyperbolic metamaterials for high-sensitivity refractive index sensing. 2022 , 10, 5200-5209	1
371	Plasmon-Modulated Fluorescence Nanoprobes for Fast and Sensitive DNA Detection Via Target Signal Enhancement and Off-Target Quenching.	

370	Plasmonic crescent nanoarray-based surface lattice resonance sensor with a high figure of merit 2022 ,	O
369	SARS-CoV-2 Detection using Colorimetric Plasmonic Sensors: A Proof-of-Concept Computational Study 2022 , PP,	O
368	Topological Insulator Plasmonics and Enhanced Light-Matter Interactions. 2022, 89-116	
367	Plasmonic Nanostructures for Sensing. 2022 ,	
366	Label-Free Optical Analysis of Biomolecules in Solid-State Nanopores: Toward Single-Molecule Protein Sequencing 2022 , 9, 730-742	1
365	Research Progress of Plasmonic Nanostructure-Enhanced Photovoltaic Solar Cells 2022 , 12,	1
364	All-Dielectric Metasurface Based on Complementary Split-Ring Resonators for Refractive Index Sensing. 2022 , 9, 130	0
363	Trends in Nanophotonics-Enabled Optofluidic Biosensors. 2022 , 10, 2102366	8
362	Nanoscale-Femtosecond Imaging of Evanescent Surface Plasmons on Silver Film by Photon-Induced Near-Field Electron Microscopy 2022 ,	1
361	Biological SERS-active sensor platform based on flexible silk fibroin film and gold nanoislands 2022 , 30, 7782-7792	1
360	Enormous Enhancement in Single-Particle Surface-Enhanced Raman Scattering with Size-Controllable Au Double Nanorings. 2022 , 34, 2197-2205	О
359	Application of LSPR-based optical biosensors. 2022,	
358	Unique Electronic Excitations at Highly Localized Plasmonic Field 2022,	0
357	A review on corona virus disease 2019 (COVID-19): current progress, clinical features and bioanalytical diagnostic methods 2022 , 189, 103	O
356	Revealing the Photothermal Behavior of Plasmonic Gap Modes: Toward Thermostable Nanocavities. 2100564	2
355	Optical Force and Torque on a Graphene-Coated Gold Nanosphere by a Vector Bessel Beam 2022 , 13,	
354	Surface-Ligand-Controlled Enhancement of Carrier Density in Plasmonic Tungsten Oxide Nanocrystals: Spectroscopic Observation of Trap-State Passivation via Multidentate Metal Phosphonate Bonding.	1
353	Plasmon-Induced Disorder Engineering for Robust Optical Sensors. 2102783	

352	Dynamic single-molecule sensing by actively tuning binding kinetics for ultrasensitive biomarker detection 2022 , 119, e2120379119	1
351	Wavelength-Dependent Bifunctional Plasmonic Photocatalysis in Au/Chalcopyrite Hybrid Nanostructures 2022 ,	5
350	Nanoplasmonic multiplex biosensing for COVID-19 vaccines 2022 , 208, 114193	2
349	Refractive index sensing by all-dielectric metasurfaces supporting quasi-bound states in the continuum. 2022 ,	
348	Optical Detection of Copper Ions Structural Dissociation of Plasmonic Sugar Nanoprobes 2022,	1
347	Heterogeneous Microfluidic Reactors: A Review and an Insight of Enzymatic Reactions.	O
346	Review for Device Compositions of Localized Surface Plasmon Resonance Sensors. 2022, 31, 35-39	
345	Plasmonic Nanostructure Engineering with Shadow Growth 2022 , e2107917	O
344	Responsive photonic nanopixels with hybrid scatterers. 2022,	1
343	LSPR optical fiber sensor based on 3D gold nanoparticles with monolayer graphene as a spacer 2022 , 30, 10187-10198	2
342	Flexible Plasmonics Using Aluminum and Copper Epitaxial Films on Mica 2022,	2
341	High-Sensitive Detection and Quantitative Analysis of Thyroid-Stimulating Hormone Using Gold-Nanoshell-Based Lateral Flow Immunoassay Device 2022 , 12,	1
340	Plasmonic Nanomaterials for Colorimetric Biosensing: A Review. 2022 , 10, 136	2
339	Emerging Biosensing Technologies for the Diagnostics of Viral Infectious Diseases 2022, e2201085	2
338	Silver nanotriangle array based LSPR sensor for rapid coronavirus detection 2022, 359, 131604	8
337	Synthesis of novel FeM (Co, Ni, Cu & Zn)/PDMS for magnetic actuators thin film fabrication by greener route. 2022 , 552, 169139	
336	Subambient daytime cooling enabled by hierarchically architected all-inorganic metapaper with enhanced thermal dissipation. 2022 , 96, 107085	2
335	Monodispersed silver-gold nanorods controllable etching for ultrasensitive SERS detection of hydrogen peroxide-involved metabolites 2022 , 243, 123382	1

334	Dual-aptamer-based enzyme linked plasmonic assay for pathogenic bacteria detection 2022, 214, 112471	О
333	Direct solar-driven reduction of greenhouse gases into hydrocarbon fuels incorporating thermochemical energy storage via modified calcium looping. 2022 , 440, 135955	O
332	Design of a new label free active biosensor based on metallic nanoparticles-doped graphene nanodisk platform. 2022 , 515, 128220	
331	Ultra-sensitive narrow-band plasmonic perfect absorber for sensing applications. 2022 , 50, 101018	O
330	An outlook on electrochemical approaches for molecular diagnostics assays and discussions on the limitations of miniaturized technologies for point-of-care devices. 2022 , 4, 100087	5
329	Dual-band localized surface plasmon resonance spectrum using gold nanoparticles fabricated on anisotropic crystalline 36XY-LiTaO3 substrate. 2021 ,	
328	Detection of Carbon Dioxide Using Cucurbit[6]uril-Functionalized Gold Nanorod Gas Sensor Based on Localized Surface Plasmon Resonance. 2021 , 30, 186-190	
327	Ultrafast Dynamics of Colloidal Copper Nanorods: Intraband versus Interband Excitation. 2022 , 2, 2100103	1
326	Plasmonic Metasurfaces for Medical Diagnosis Applications: A Review 2021 , 22,	5
325	Size Control in the Colloidal Synthesis of Plasmonic Magnesium Nanoparticles 2022 , 126, 563-577	5
324	BIOSENSOR PROPERTIES OF PLASMONIC SILVER NANOPARTICLES PRODUCED BY PLD. 2021 , 7, 112-122	
323	Plasmonic 3D Self-Folding Architectures via Vacuum Microforming. 2021 , e2105843	O
322	Refractive index sensitivity of Au nanostructures in solution and on the substrate. 2022 , 33, 4011-4024	O
321	Improving Biosensors by the Use of Different Nanomaterials: Case Study with Microcystins as Target Analytes 2021 , 11,	1
320	Recent Advances in Development of Gold Nanoparticles for Drug Delivery Systems. 2021, 1,	3
319	Double Narrow Fano Resonances via Diffraction Coupling of Magnetic Plasmon Resonances in Embedded 3D Metamaterials for High-Quality Sensing 2021 , 11,	1
318	Recent Advances in Aptasensor for Cytokine Detection: A Review 2021 , 21,	1

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316	Study of Optical Information Recording Mechanism Based on Localized Surface Plasmon Resonance with Au Nanoparticles Array Deposited Media and Ridge-Type Nanoaperture 2022 , 12,	
315	Role of Hydration in Photoexcited Electron Transfer between a Gold Nanocluster and a Water Molecule.	O
314	Plasmonic Nanosensors: Design, Fabrication, and Applications in Biomedicine. 2022 , 10, 150	1
313	Probing the role of grain boundaries in single Cu nanoparticle oxidation by in situ plasmonic scattering. 2022 , 6,	O
312	Controlled Citrate Oxidation on Gold Nanoparticle Surfaces for Improved Surface-Enhanced Raman Spectroscopic Analysis of Low-Affinity Organic Micropollutants 2022 ,	0
311	Optimizing and Quantifying Gold Nanospheres Based on LSPR Label-Free Biosensor for Dengue Diagnosis 2022 , 14,	O
310	Time-dependent density functional theory study of the optical properties of tetrahedral aluminum nanoparticles 2022 ,	0
309	Plasmon-modulated fluorescence nanoprobes for enzyme-free DNA detection via target signal enhancement and off-target quenching 2022 , 210, 114288	
308	Chapter 1. Relevant Aspects of Surface Physical Chemistry. 1-46	
307	DataSheet1.DOCX. 2018 ,	
306	Image1.PDF. 2018 ,	
305	Image2.PDF. 2018 ,	
304	Image3.PDF. 2018 ,	
303	Table1.DOCX. 2018 ,	
302	Data_Sheet_1.docx. 2020 ,	
301	Data_Sheet_1.pdf. 2018 ,	
300	Data_Sheet_1.PDF. 2019 ,	
299	Applications of Surface Wave Propagation. 2022 , 367-423	

Real time monitoring of assembly of plasmonic nanoparticles on polyelectrolyte coated surfaces. **2022**,

297	Facile fabrication of nanoapertures with tunable plasmonic resonances. 2022,	O
296	Influence of particle size on the SARS-CoV-2 spike protein detection using IgG-capped gold nanoparticles and dynamic light scattering (DLS) 2022 , 100924	1
295	Enhanced Plasmonic Hot-Carrier Transfer in Au/WS2 Heterojunctions under Nonequilibrium Condition.	4
294	Fast, Economical, and Reproducible Sensing from a 2D Si Wire Array: Accurate Characterization by Single Wire Spectroscopy 2022 ,	0
293	SERS and Indicator Paper Sensing of Hydrogen Peroxide Using Au@Ag Nanorods 2022 , 22,	
292	Materials and device design for advanced phototherapy systems 2022, 186, 114339	1
291	Nanoengineering of conductively coupled metallic nanoparticles towards selective resonance modes within the near-infrared regime 2022 , 12, 7829	1
290	Editorial for the Special Issue Applications of Nanomaterials in Plasmonic Sensors. 2022 , 12, 1634	
289	Recent developments in plasmonic alloy nanoparticles: synthesis, modelling, properties and applications 2022 ,	4
288	Polarization and incident angle-dependent plasmonic coupling of Au@Ag nanoalloys. 2022,	0
287	Multimode Fano Resonances Sensing Based on a Non-Through MIM Waveguide with a Square Split-Ring Resonance Cavity. 2022 , 12, 306	0
286	Refractive Index Sensor Based on a Metal-Insulator-Metal Bus Waveguide Coupled with a U-Shaped Ring Resonator. 2022 , 13, 750	0
285	Polarization-Independent, Tunable, Broadband Perfect Absorber Based on Semi-Sphere Patterned Epsilon-Near-Zero Films. 2022 , 153551	1
284	Visible light assisted trace gaseous NO2 sensor with anti-humidity ability via LSPR enhancement effect. 2022 , 132032	0
283	Immobilization of Streptavidin on a Plasmonic Au-TiO Thin Film towards an LSPR Biosensing Platform 2022 , 12,	O
282	Single-molecule displacement assay reveals strong binding of polyvalent dendrimer ligands to telomeric G-quadruplex 2022 , 114693	1
281	Recent progress of nanomaterials in sustainable agricultural applications. 1	1

280	Designing the Surface Chemistry of Inorganic Nanocrystals for Cancer Imaging and Therapy. 2022 , 14, 2456	0
279	Preparation of silver nanoparticles decorated mesoporous silica nanorods with photothermal antibacterial property. 2022 , 129242	
278	Simplified numerical modeling for Fano interference-induced asymmetric light reflectance effect using equivalent medium theory.	
277	High-Property Refractive Index and Bio-Sensing Dual-Purpose Sensor Based on SPPs. 2022 , 13, 846	O
276	Nanoplasmonic Sensor Chip Readable in a Conventional Plate Reader.	
275	Acoustic, Phononic, Brillouin Light Scattering and Faraday Wave-Based Frequency Combs: Physical Foundations and Applications. 2022 , 22, 3921	Ο
274	Selective Detection and Ultrasensitive Quantification of SARS-CoV-2 IgG Antibodies in Clinical Plasma Samples Using Epitope-Modified Nanoplasmonic Biosensing Platforms.	О
273	Optical properties of gold nanoclusters constructed from Au 13 units.	1
272	Chiral Nanostructured Bimetallic AuAg Films for Enantiomeric Discrimination. 2200369	О
271	Deep-ultraviolet localized surface plasmon resonance using Ga nanoparticles. 2022, 12, 2444	О
270	Design and simulation of an electrically pumped SPASER. 2022 , 129, 112530	
269	Optical manipulation in conjunction with photochemical/photothermal responses of materials. 2022 , 52, 100536	O
268	Defect thermodynamics in spinel oxides leading to plasmonic behavior. 2022 , 168, 110822	
267	Coherent Vibrational Dynamics of Au144(SR)60 Nanoclusters.	Ο
266	Plasmonic Metal Oxides and Their Biological Applications.	1
265	Plasmonic Nanoprobes for SERS-Based Theranostics Applications. 2022 , 223-244	
264	Multichannel Fiber Optic SPR Sensors: Realization Methods, Application Status, and Future Prospects. 2200009	1
263	Opportunities and Challenges for Alternative Nanoplasmonic Metals: Magnesium and Beyond.	O

262	Cladding mode characteristics simulation of an excessively tilted fiber grating coated with gold nanoshells. 2022 , 61, 5552	
261	A method for the controllable fabrication of optical fiber-based localized surface plasmon resonance sensors. 2022 , 12,	O
260	Application scope of multipole method for decomposition of plasmonic spectrum. 2022, 39, 105742	O
259	Low-Cost Computational Models for Biomedical Sensors. 2022 ,	
258	Sensors and Biosensors in Organs-on-a-Chip Platforms. 2022 , 55-80	
257	Diverse bio-sensing and therapeutic applications of plasmon enhanced nanostructures. 2022,	2
256	SERS detection of anthraquinone dyes: Using solvothermal silver colloid as the substrate. 2022 , 121646	O
255	All-Hot-Spot Bulk Surface-Enhanced Raman Scattering (SERS) Substrates: Attomolar Detection of Adsorbates with Designer Plasmonic Nanoparticles.	2
254	Dual-Quasi Bound States in the Continuum Enabled Plasmonic Metasurfaces. 2200965	6
253	Heterogeneous Component Au (Outer) Pt (Middle) Au (Inner) Nanorings: Synthesis and Vibrational Characterization on Middle Pt Nanorings with Surface-Enhanced Raman Scattering.	2
252	Localized surface plasmon resonance properties of green synthesized silver nanoparticles. 2022 , 31, 100895	O
251	Advanced microstructure, morphology and CO gas sensor properties of Cu/Ni bilayers at nanoscale. 2022 , 12,	2
250	Green Synthesized Plasmonic Pd-ZnO Nanomaterials for Visible Light-induced Photobiogas Production from Industrial Wastewater.	1
249	Real-Time Monitoring of Gas-Phase and Dissolved CO2 Using a Mixed-Matrix Composite Integrated Fiber Optic Sensor for Carbon Storage Application.	
248	A field-deployable diagnostic assay for the visual detection of misfolded prions. 2022 , 12,	0
247	Aluminum Bowties for Plasmonic-Enhanced Infrared Sensing. 2201025	2
246	Design and modelling of nano-channel based plasmonic sensor for refractive index and pressure sensing in mid IIR range. 2022 ,	
245	A plasmonic ELISA for multi-colorimetric sensing of C-reactive protein by using shell dependent etching of Ag coated Au nanobipyramids. 2022 , 1221, 340129	1

244	Localized surface plasmon resonance phenomenon in Ag/Au-WO3-x nanocomposite thin films. 2022 , 757, 139387	
243	Plasmonic heterogeneous catalysis for organic transformations. 2022 , 52, 100539	1
242	Anisotropic gold nanostructures applied to improve solar energy conversion. 2022, 29, 101575	Ο
241	Bismuth-based broadband metamaterial absorber. 2022 , 16,	
240	Strategies for sensitivity improvement of localized surface plasmon resonance sensors: experimental and mathematical approaches in plasmonic gold nanostructures. 1-20	
239	Resonant Metasurfaces for Spectroscopic Detection: Physics and Biomedical Applications. 2022 , 2022, 1-17	1
238	Synthetic hybrid particles to improve the down-conversion efficiency of quantum dots via simultaneously induced scattering and plasmonic effects. 2022 , 138270	
237	Computational Analyses of Plasmonics of a Silver Nanoparticle in a Vacuum and in a Water Solution by Classical Electronic and Molecular Dynamics Simulations. 2022 , 126, 4762-4771	
236	Structural, Optical, and Electrical Investigation of Polyvinyl Alcohol Thin Film Doped with Gold Core and Silver Shell Nanoparticles. 2022 , 52,	0
235	Adhesive surface-enhanced Raman scattering CuAu nanoassembly for the sensitive analysis of particulate matter. 2022 ,	
234	A multi-band terahertz plasmonic absorber based on fan-like metasurface. 2022 , 267, 169701	1
233	Slab waveguide-based particle plasmon resonance optofluidic biosensor for rapid and label-free detection.	
232	Precise size-control and functionalization of gold nanoparticles synthesized by plasma-liquid interactions: using carboxylic, amino, and thiol ligands.	
231	A colorimetric aptasensor based on gold nanoparticles for detection of microbial toxins: an alternative approach to conventional methods.	O
230	Shear-horizontal SAW driven asymmetric structure of array gold nanoparticles for reconfigurable localized surface plasmon resonance spectrum. 2022 ,	
229	Graphene-Encapsulated Silver Nanoparticles for Plasmonic Vapor Sensing. 2022 , 12, 2473	
228	Photonic Materials Cloud: An Online Interactive Open Tool for Creating, Comparing, and Testing Photonic Materials. 2022 , 12, 2585	
227	Size Effect on Formic Acid Dehydrogenation over Plasmonic Au@Pd CoreBatellite Nanostructures. 2022 , 5, 10013-10022	O

In Situ Observation of Structural and Optical Changes of Phase-Separated Agtu Nanoparticles during a Dewetting Process via Transmission Electron Microscopy. **2022**, 14, 35020-35026

225	Plasmonic Nanoparticles Embedded in Nanomembrane Microcavity for Flexible Optical Tuning. 2200765	
224	Hybrid Graphene-Supported Aluminum Plasmonics. 2022 , 16, 11931-11943	O
223	Broad-Band Ultrafast All-Optical Switching Based on Enhanced Nonlinear Absorption in Corrugated Indium Tin Oxide Films. 2022 , 16, 12878-12888	1
222	Three-dimensional nanoframes with dual rims as nanoprobes for biosensing. 2022, 13,	2
221	Titanium nanofilms applied as microwave absorber.	
220	Post-synthesis heating, a key step to tune the LPR band of gold nanorods covered with CTAB or embedded in a silica shell.	2
219	Plasmonics based refractive index sensor based on square ring resonator. 2022,	
218	Basic aspects of gold nanoparticle photo-functionalization using oxides and 2D materials: control of light confinement, heat-generation, and charge separation in nanospace.	O
217	Simulations for Photocatalytic Materials. 2022 , 159-193	
216	Electromagnetic Mechanisms or Chemical Mechanisms? Role of Interfacial Charge Transfer in the Plasmonic Metal/Semiconductor Heterojunction. 2022 , 13, 7816-7823	1
215	Nano assembly of plasmonic probe-virus particles enabled rapid and ultrasensitive point-of-care SARS-CoV-2 detection.	O
214	Evaluation of penicillin residues in milk by ELISA using aptamer bonded to gold nanoparticles.	
213	Toward laser-induced tuning of plasmonic response in high aspect ratio gold nanostructures. 2022 , 11, 3719-3728	1
212	Surface Plasmon-Enhanced NIR-II Fluorescence in a Multilayer Nanoprobe for Through-Skull Mouse Brain Imaging.	3
211	Plasmonic Biosensor for Early Gastric Cancer Detection.	1
210	Enhanced Figure of Merit via Hybridized Guided-Mode Resonances in 2D-Metallic Photonic Crystal Slabs. 2200954	4
209	Controlled assembly of gold nanoparticles in resonant gold nanoapertures for SERS applications.	1

208	Strong Polarization Dependent Nonlinear Excitation of a Perovskite Nanocrystal Monolayer on a Chiral Dielectric Nanoantenna Array.	1
207	Molecularly imprinted polymers for sensing gaseous volatile organic compounds: opportunities and challenges. 2022 , 311, 119931	O
206	Highly Q-factor refractive index sensor based on graphene stack. 2022 , 268, 169811	
205	Stability of uncapped gold nanoparticles produced via laser reduction in liquid. 2022 , 652, 129860	1
204	Plasmonic Nanozymes: Leveraging Localized Surface Plasmon Resonance to Boost the Enzyme-Mimicking Activity of Nanomaterials. 2204131	1
203	Silica Shell Thickness-Dependent Fluorescence Properties of SiO2@Ag@SiO2@QDs Nanocomposites. 2022 , 23, 10041	1
202	Mini review of synthesis strategies of silver nanowires and their applications. 2022 , 50, 100663	2
201	Time-Resolved Thickness and Shape-Change Quantification using a Dual-Band Nanoplasmonic Ruler with Sub-Nanometer Resolution.	О
200	Disentangling plasmonic and catalytic effects in a practical plasmon-enhanced Lithium Dxygen battery. 2022 , 547, 232002	O
199	Unveiling facet effects in metallic nanoparticles to design an efficient plasmonic nanostructure. 2022 , 44, 22-28	О
198	Gold-coated split laser-induced periodic surface structures as refractometric sensors. 2023 , 157, 108669	1
197	Study on Second- and Third-Order Nonlinear Optical Properties in Metallic Nanoparticles. 2022 , 81-108	O
196	SERS spectral evolution of azo-reactions mediated by plasmonic Au@Ag coreBhell nanorods.	O
195	Emerging SERS biosensors for the analysis of cells and extracellular vesicles.	O
194	Surface Plasmon Resonance. 2022 , 63-118	0
193	DNA-mediated dynamic plasmonic nanostructures: assembly, actuation, optical properties, and biological applications.	О
192	Toward high-performance refractive index sensor using single Au nanoplate-on-mirror nanocavity. 2022 , 14, 10773-10779	0
191	Label-free and reusable antibody-functionalized gold nanorod arrays for the rapid detection of Escherichia coli cells in a water dispersion. 2022 , 9, 3343-3360	5

190	Synthesis of Nanoparticles via Pulsed High-Power Laser in Liquid. 2022, 521-534	0
189	Colorimetric and naked-eye detection of arsenic(iii) using a paper-based microfluidic device decorated with silver nanoparticles. 2022 , 12, 21836-21850	1
188	Diagnostic plasmonic sensors: opportunities and challenges. 2022 , 58, 9573-9585	1
187	Anisotropy of the Optical Properties of Metal Nanodisks. 2022 , 130, 269-277	O
186	Noble-metal free plasmonic nanomaterials for enhanced photocatalytic applications review.	1
185	DNA Antiadhesive Layer for Reusable Plasmonic Sensors: Nanostructure Pitch Effect. 2022 , 7, 31682-31690	O
184	Creating and moving nanoantenna cold spots anywhere. 2022 , 11,	0
183	A Novel ECL Sensing System for Ultrahigh Sensitivity miRNA-21 Detection Based on Catalytic Hairpin Assembly Cascade Nonmetallic SPR Effect. 2022 , 94, 12280-12285	2
182	Surface plasmon polaritons at an interface between silver and quantum dots hybrid nanocomposite. 2022 , 97, 105104	0
181	Plasmonics in Bioanalysis: SPR, SERS, and Nanozymes. 2023 , 37-83	O
180	Silver mirror for enhancing the magnetic plasmon resonance and sensing performance in plasmonic metasurface. 2022 , 15, 102003	0
179	Advanced Colloidal Sensors Enabled by an Out-of-Plane Lattice Resonance. 2200152	1
178	Microstructure Dictates the Behavior of Plasmons in Nanostructured Ag-Cu Alloy Films. 2022 , 126, 15915-159	23
177	Endorsing a Hidden Plasmonic Mode for Enhancement of LSPR Sensing Performance in Evolved Metal i hsulator Geometry Using an Unsupervised Machine Learning Algorithm.	1
176	Orbital angular momentum-excited surface plasmon resonance for liquid refractive index sensing by photonic crystal fiber with high sensitivity and wide detection range. 2022 , 61,	0
175	Inverse DVD-R grating structured SPR sensor platform with high sensitivity and figure of merit. 2022 ,	O
174	Optimization of Au:CuO Thin Films by Plasma Surface Modification for High-Resolution LSPR Gas Sensing at Room Temperature. 2022 , 22, 7043	О
173	Enhanced spectroscopic properties of holmium doped phosphate glass: Role of Ag/TiO2 nanoparticles embedment. 2022 , 119380	O

172	Ammonia thermally treated gallium nitride deposited on gold-nucleation sites.	0
171	Nano-plasmonic refractive index sensor based on metallic slit loaded stub resonator. 2022,	O
170	Plasmon-enhanced upconversion luminescence with the hybrid structure of semiconductor-insulator-semiconductor. 2022 ,	О
169	Impact of temperature on optical sensing in biology based on investigation of SARS-CoV -2.	O
168	Unraveling pH Effects on Ultrafiltration Membrane Fouling by Extracellular Polymeric Substances: Adsorption and Conformation Analyzed with Localized Surface Plasmon Resonance.	О
167	Hot Electron Phenomena at Solid⊡iquid Interfaces. 9435-9448	1
166	High-Throughput Imaging and Spectral Analysis of Gold Nanoparticles through Waveguide Excitation. 2022 , 1-1	0
165	Micro-patterns of gold nanoparticles assembled by photovoltaic optoelectronic tweezers: application to plasmonic fluorescence enhancement. 2022 , 30, 41541	О
164	Materials Perspectives of Integrated Plasmonic Biosensors. 2022 , 15, 7289	О
163	Novel Nanoscale Refractive Index Sensor Based on Fano Resonance. 2022 , 9, 795	O
162	All-Optical Tunability of Metalenses Permeated with Liquid Crystals. 2022, 16, 16539-16548	1
161	Sensors for Detection of the Synthetic Dye Rhodamine in Environmental Monitoring Based on SERS. 2022 , 13, 1840	1
160	Enhanced Label-Free Nanoplasmonic Cytokine Detection in SARS-CoV-2 Induced Inflammation Using Rationally Designed Peptide Aptamer. 2022 , 14, 48464-48475	О
159	Modulating carrier density of the (Ag) (MoO3) system to enhance SERS:Localized surface plasmon resonance contribution. 2022 ,	O
158	Highly Specific Peptide-Mediated Cuvette-Form Localized Surface Plasmon Resonance (LSPR)-Based Fipronil Detection in Egg. 2022 , 12, 914	О
157	Macroscopic quantum electrodynamics approach to multichromophoric excitation energy transfer. I. Formalism.	2
156	An aqueous ammonia detection by hybrid Ag-CdS quantum dots. 2022 , 24,	О
155	A Nano Refractive Index Sensing Structure for Monitoring Hemoglobin Concentration in Human Body. 2022 , 12, 3784	O

154	Recent Advances in Electrochemical and Optical Biosensors for Cancer Biomarker Detection.	1
153	Atom hybridization of metallic elements: Emergence of subnano metallurgy for the post-nanotechnology. 2023 , 474, 214826	O
152	Plasmon-induced charge transfer desorption/ionization for mass spectrometric analysis of small biomolecules. 2023 , 483, 116951	0
151	Photostimulated Synthesis of Noble Metals Nanoparticles. 2019 , 57-83	O
150	Asymmetric seed passivation for regioselective overgrowth and formation of plasmonic nanobowls.	1
149	Localized Surface Plasmon Resonance based Polymer Optical Fiber Cortisol Aptasensor for Aquaculture. 2022 ,	O
148	Photothermal-based nanomaterials and photothermal-sensing: An overview. 2023 , 220, 114883	0
147	Printed microfluidic biosensors and their biomedical applications. 2023 , 1-40	O
146	Fiber-optic devices for sensing, manipulating, and imaging cells in vitro and in vivo. 2023, 313-342	0
145	Microfluidic-based plasmonic biosensors. 2023 , 287-312	O
145	Microfluidic-based plasmonic biosensors. 2023, 287-312 A Critical Systematic Review of Developing Aptasensors for Diagnosis and Detection of Diabetes Biomarkers. 2022, 52, 1795-1817	0
	A Critical Systematic Review of Developing Aptasensors for Diagnosis and Detection of Diabetes	
144	A Critical Systematic Review of Developing Aptasensors for Diagnosis and Detection of Diabetes Biomarkers. 2022 , 52, 1795-1817	0
144	A Critical Systematic Review of Developing Aptasensors for Diagnosis and Detection of Diabetes Biomarkers. 2022, 52, 1795-1817 Potentialities of fluorescent carbon nanomaterials as sensor for food analysis. Optical plasmonic sensing based on nanomaterials integrated in solid supports. A critical review.	0
144 143 142	A Critical Systematic Review of Developing Aptasensors for Diagnosis and Detection of Diabetes Biomarkers. 2022, 52, 1795-1817 Potentialities of fluorescent carbon nanomaterials as sensor for food analysis. Optical plasmonic sensing based on nanomaterials integrated in solid supports. A critical review. 2022, 340594	0 0
144 143 142	A Critical Systematic Review of Developing Aptasensors for Diagnosis and Detection of Diabetes Biomarkers. 2022, 52, 1795-1817 Potentialities of fluorescent carbon nanomaterials as sensor for food analysis. Optical plasmonic sensing based on nanomaterials integrated in solid supports. A critical review. 2022, 340594 Cancer biomarkers and their biosensors: A comprehensive review. 2022, 116813	0 0
144 143 142 141 140	A Critical Systematic Review of Developing Aptasensors for Diagnosis and Detection of Diabetes Biomarkers. 2022, 52, 1795-1817 Potentialities of fluorescent carbon nanomaterials as sensor for food analysis. Optical plasmonic sensing based on nanomaterials integrated in solid supports. A critical review. 2022, 340594 Cancer biomarkers and their biosensors: A comprehensive review. 2022, 116813 Surface plasmon polaritons enhanced magnetic plasmon resonance for high-quality sensing. Quasi-bound state in the continuum supported by a compound grating waveguide structure for	OOOOO

136	Study on the enhancement mechanism of luminescent performance of Ag structures on the surface of nano-giant topological luminophor. 2022 , 271, 170184	0
135	Hot Hole Transfer at Plasmonic Semiconductor/Semiconductor Interface.	O
134	On-Demand Electrochemical Fabrication of Ordered Nanoparticle Arrays using Scanning Electrochemical Cell Microscopy.	O
133	Revealing the Origin of Heterogeneous Phase Transition and Deformation Behavior in Au-Ag-Cu-Based Multicomponent Alloys. 2022 , 12, 1966	o
132	High performance amorphous Ga₂O₃ thin film solar blind ultraviolet photodetectors decorated with Al nanoparticles. 2022 , 0	O
131	One-dimensional self-assembly of plasmonic nanoparticles. 2021,	O
130	Single-chirality of single-walled carbon nanotubes (SWCNTs) through chromatography and its potential biological applications.	0
129	Green chemistry synthesis of wolframites: An investigation about stoichiometric ratios, optical, structural, vibrational, and physico-chemical properties. 2023 , 385, 135528	O
128	Gold-nanoparticles induced transition in YVO4 crystal: From saturable to reverse saturable absorption. 2023 , 135, 113342	0
127	Scalable and all-season passive thermal modulation enabled by radiative cooling, selective solar absorption, and thermal retention. 2023 , 221, 119707	O
126	Customization of structure, morphology and optical characteristics of silver and copper nanoparticles: Role of laser fluence tuning. 2023 , 614, 156176	O
125	Non-invasive biomedical sensors for early detection and monitoring of bacterial biofilm growth at the point of care. 2022 , 22, 4758-4773	O
124	Investigation of Plasmonic Properties of Egg-like Multilayer Structures.	0
123	Optical absorption of radiation defects in alkali halide crystals implanted magnesium and silver ions.	O
122	Sodium-Alginate-Functionalized Silver Nanoparticles for Colorimetric Detection of Dimethoate. 2022 , 12, 1086	0
121	Catalytic Gold-Iridium Nanoparticles as Labels for Sensitive Colorimetric Lateral Flow Assay.	O
120	Formation and Characterization of 2D Closely Packed Arrays of Bare Gold Nanoparticles without Aggregation. 2022 , 7, 44711-44719	0
119	Quantifiable Effect of Interparticle Plasmonic Coupling on Sensitivity and Tuning Range for Wavelength-Mode LSPR Fiber Sensor Fabricated by Simple Immobilization Method. 2022 , 22, 9075	O

118	Colorimetric Sensor Based on Ag-Fe NTs for H2S Sensing. 2022, 7, 44215-44222	1
117	Localized Surface Plasmon Resonance Biosensor Design Optimization with Metal I hsulator M etal Nanodisk/Nanoring. 2022 ,	0
116	Superior HER Activity of rGO@AuNRs@SAC-Pt Promoted by Maximized Electronic Interaction and Plasmonic Hot Carriers. 2022 , 126, 20235-20242	0
115	Cost-Effective and Robust Multispectral Light-Emitting Diode Device for the Readout of Plasmonic Microarray Sensors. 2200252	O
114	Design of high-sensitive plasmonic sensors with circle-semi-ring coupled resonators. 2023, 55,	0
113	A Self-Referenced Refractive Index Sensor Based on Gold Nanoislands. 2023 , 23, 66	0
112	Hybridization of surface plasmons and photonic crystal resonators for high-sensitivity and high-resolution sensing applications. 2022 , 12,	1
111	GLAD Based Advanced Nanostructures for Diversified Biosensing Applications: Recent Progress. 2022 , 12, 1115	1
110	Tannic Acid as a Versatile Template for Silica Monoliths Engineering with Catalytic Gold and Silver Nanoparticles. 2022 , 12, 4320	0
109	Ultra-Low-Power E-Nose System Based on Multi-Micro-LED-Integrated, Nanostructured Gas Sensors and Deep Learning.	O
108	Modulation of ZnO Nanostructure for Efficient Photocatalytic Performance. 2022, 17,	0
107	Facet Tunability of Aluminum Nanocrystals.	O
106	Colloidal Synthesis of Metal Nanocrystals: From Asymmetrical Growth to Symmetry Breaking.	3
105	Optical Fiber Biosensors for Protein Detection: A Review. 2022 , 9, 987	1
104	A hybrid photonic-plasmonic resonator based on a partially encapsulated 1D photonic crystal waveguide and a plasmonic nanoparticle. 2022 , 8, e12346	0
103	Proposal of compact LSPR sensor system by filter-free wavelength sensor.	O
102	Hybrid UV Photodetector Design Incorporating AuPt Alloy Hybrid Nanoparticles, ZnO Quantum Dots, and Graphene Quantum Dots.	1
101	Enhancement of LSPR properties of temperature-dependent gold nanoparticles. 2022,	1

100	Plasmonic response of metallic nanoparticles embedded in glass and a-Si. 2022 , 45,	O
99	Plasmonic nanomaterials: A versatile phototheranostic platform of cancers. 2022,	2
98	Analysis and Biomedical Applications of Functional Cargo in Extracellular Vesicles.	O
97	Tunable Electromagnetic Resonances with Slab-Split-Ring Meta-molecules. 2023 , 51-71	О
96	Plasmonic properties of composition graded spherical nanoparticles in quasi-static approximation.	O
95	Rational Fabrication of Ag Nanocone Arrays Embedded with Ag NPs and Their Sensing Applications. 2022 , 7, 46769-46776	O
94	Colorimetric Detection of SARS-CoV-2 Using Plasmonic Biosensors and Smartphones. 2022 , 14, 54527-54538	О
93	Solvatochromism of a silver-epoxy nanocomposite dispersed in organic solvents. 2022 , 1, 100009	О
92	Quantitative Insights into a Plasmonic Ruler Equation from the Perspective of Enhanced Near Field.	О
91	Guided-mode resonance sensors with ultrahigh bulk sensitivity and figure of merit assisted by a metallic layer and structural symmetry-breaking.	О
90	Dielectric Mie voids: confining light in air. 2023 , 12,	3
89	A COLORIMETRIC APTASENSOR BASED ON TWO DIMENSIONAL (2D) NANOMATERIAL AND GOLD NANOPARTICLES FOR DETECTION OF TOXIC HEAVY METAL IONS: A REVIEW. 2023 , 100184	O
88	Molecularly Imprinted Plasmonic-Based Sensors for Environmental Contaminants Durrent State and Future Perspectives. 2023 , 11, 35	2
87	Detection of Periodontal Disease Marker with Geometrical Transformation of Ag Nanoplates.	1
86	Single-Particle Photoluminescence and Dark-Field Scattering during Charge Density Tuning. 318-325	O
85	Plasmonic Properties of the Metal Nanoparticles (NPs) on a Metal Mirror Separated by an Ultrathin Oxide Layer. 2023 , 10, 78	1
84	Magnetic/Plasmonic Hybrid Nanodisks with Dynamically Tunable Mechano-Chiroptical Responses.	0
83	Preparation of AgHe2O3-Based black and electrically insulating coatings by magnetron sputtering from metal targets. 2023 , 111839	O

82	Advances in microfluidic chips based on islet hormone-sensing techniques. 14, 17-25	0
81	Ion-Mediated Protein Stabilization on Nanoscopic Surfaces.	O
80	Silica-coated gold nanorods biofunctionalization for localized surface plasmon resonance (LSPR) biosensing. 2023 , 255, 124245	О
79	Study of Interferents of a Plasmonic Sensor for Uremic Toxins. 2022,	O
78	Bioinspired Plasmo-virus for Point-of-Care SARS-CoV-2 Detection. 2023 , 23, 98-106	1
77	Surface Lattice Resonances in 3D Chiral Metacrystals for Plasmonic Sensing. 2206930	O
76	Biosensors for drug of abuse detection. 2023 , 125-172	O
75	Biosensors for nucleic acid detection. 2023 , 173-233	O
74	Toxic risk assessment of engineered nanoparticles used in ink formulations. 2023, 159-194	O
73	Plasmonic noble metal (Ag and Au) nanoparticles: From basics to colorimetric sensing applications. 2023 , 1-58	O
72	Effect of Geometrical Parameters on Local Electric Field Enhancement of Bimetallic Three-Layered Nanotubes by Using Quasi-static Theory.	O
71	Optical Biosensors for Cancer Diagnosis. 2023 , 1-16	O
70	Facet-Enhanced Dielectric Sensitivity in Plasmonic Metal Oxide Nanocubes. 2023, 127, 2456-2463	0
69	Dual-plasmon-enhanced nitrophenol hydrogenation over W18O49Au heterostructures studied at the single-particle level.	O
68	Multiple Stepwise Synthetic Pathways toward Complex Plasmonic 2D and 3D Nanoframes for Generation of Electromagnetic Hot Zones in a Single Entity. 2023 , 56, 270-283	0
67	Machine learning for nanoplasmonics.	O
66	Photoacoustic and optical spectroscopy of dye-coated plasmonic thin films of silver and gold. 2023 , 333-358	0
65	Simultaneous, Label-Free and High-throughput SERS Detection of Multiple Pesticides on Ag@Three-Dimensional Silica Photonic Microsphere Array.	1

64	Molecular dynamics study of plasmon-mediated chemical transformations.	O
63	Magnesium: properties and rich chemistry for new material synthesis and energy applications. 2023 , 52, 2145-2192	O
62	Synthesis of a novel carboxybetaine copolymer with different spacer lengths and inhibition of nonspecific protein adsorption on its polymer film. 2023 , 19, 2330-2338	0
61	Highly Sensitive Plasmonic Sensor with Au Bow Tie Nanoantennas on SiO2 Nanopillar Arrays. 2023 , 11, 121	1
60	Fabrication of hydroxyapatite-based nano-gold and nano-silver-doped bioceramic bone grafts: Enhanced mechanostructure, cell viability, and nuclear abnormality properties.	0
59	Hybrid nanostructures based on gold nanoparticles and functional coordination polymers: Chemistry, physics and applications in biomedicine, catalysis and magnetism. 2023 , 480, 215025	1
58	Modulating the Charge Transfer Plasmon in Bridged Au Core-Satellite Homometallic Nanostructures.	0
57	Emerging trends in point-of-care biosensing strategies for molecular architectures and antibodies of SARS-CoV-2. 2023 , 13, 100324	O
56	Adjacent diatomic Cu1N3/Mo1S2 entities decorated carbon nitride for markedly enhanced photocatalytic hydrogen generation. 2023 , 463, 142470	0
55	Nanotheranostics to target antibiotic-resistant bacteria: Strategies and applications. 2023, 11, 100138	1
54	A digital nanoplasmonic microarray immunosensor for multiplexed cytokine monitoring during CAR T-cell therapy from a leukemia tumor microenvironment model. 2023 , 230, 115247	O
53	Ascorbic acid-mediated in situ growth of gold nanostars for photothermal immunoassay of ochratoxin A. 2023 , 419, 136049	О
52	Pt-Ag/Ag3PO4-WO3 nanocomposites for photocatalytic H2 production from bioethanol. 2023 , 344, 127998	0
51	Full dynamic corrections to the Maxwell Garnett mixing formula and corresponding extensions beyond the dipolar approximation. 2023 , 302, 108578	O
50	Emerging advances in plasmonic nanoassemblies for biosensing and cell imaging. 2023, 108165	0
49	Practical Considerations for Simulating the Plasmonic Properties of Metal Nanoparticles.	O
48	Cytotoxicity Study of Gold Nanoparticle Synthesis Using Aloe vera, Honey, and Gymnema sylvestre Leaf Extract. 2023 , 8, 6325-6336	0
47	In-fiber interferometry sensors for refractive index. 2023 , 10, 011307	O

46	Homogenized transition conditions for plasmonic metasurfaces. 2023, 107,	0
45	######## 2023 , 67, 859	O
44	Review of ultrafast laser ablation for sensing and photonic applications. 2023 , 25, 043001	O
43	Plasmonic biosensor with annular aperture array integrated on a resonant cavity LED. 2023 , 535, 129336	O
42	Inline photothermal surface plasmon detector integrated in titanium dioxide waveguides. 2023, 1-1	0
41	Trends in Molecularly Imprinted Polymers (MIPs)-Based Plasmonic Sensors. 2023, 11, 144	О
40	In situ optical spectroscopy for monitoring the assembly of gold nanoparticles for plasmonic applications. 2023 , 133, 073101	О
39	Nanoengineering TripletIIriplet Annihilation Upconversion: From Materials to Real-World Applications. 2023 , 17, 3259-3288	1
38	Dispersive contour-path algorithm for the FDTD analysis of a periodic structure at oblique incidence. 2023 , 20, 20230007-20230007	О
37	Recent Advances in Optical Biosensors for Sensing Applications: a Review. 2023 , 18, 735-750	1
36	Selectively Exciting and Probing Radiative Plasmon Modes on Short Gold Nanorods by Scanning Tunneling Microscope-Induced Light Emission. 2023 , 10, 743-750	0
35	Optical Fibers Sensors for Detection of SARS-CoV-2 Infection. 2023 , 91-109	O
34	Dynamic Conducting Polymer Plasmonics and Metasurfaces. 2023 , 10, 571-581	О
33	Amplification-Free, High-Throughput Nanoplasmonic Quantification of Circulating MicroRNAs in Unprocessed Plasma Microsamples for Earlier Pancreatic Cancer Detection. 2023 , 8, 1085-1100	O
32	Theoretical Investigations on the Plasmon-Mediated Dissociation of Small Molecules in the Presence of Silver Atomic Wires. 2023 , 127, 2228-2241	0
31	Carbon Nanomaterial-Based Biosensors: A Forthcoming Future for Clinical Diagnostics. 2023 , 1067-1089	O
30	Strong coupling between longitudinal and U-shaped localized surface plasmon modes in rectangular grating-shaped gold nanostructures. 2023 , 17,	О
29	Ultralight plasmonic structural color paint. 2023 , 9,	O

28	Research on photocatalytic CO2 conversion to renewable synthetic fuels based on localized surface plasmon resonance: current progress and future perspectives. 2023 , 13, 1932-1975	O
27	Asymmetrical Plasmon Distribution in Hybrid AuAg Hollow/Solid Coded Nanotubes. 2023 , 13, 992	O
26	Hot Spot Engineering in Hierarchical Plasmonic Nanostructures. 2205659	О
25	Electromagnetic Resonance in Organic Conductive Polymers. 2023 , 127, 5643-5652	O
24	Broadband Transient Response and Wavelength-Tunable Photoacoustics in Plasmonic Hetero-nanoparticles. 2023 , 23, 2786-2791	O
23	How to Characterize 4월0 nm Size Gold Nanospheres with Experimental and Simulated UV V is and a Single SEM Image. 2023 , 100, 1589-1596	O
22	Characterization of the absorption properties of 5 nm spherical gold nanoparticles functionalized with dodecanothiol and without functionalization with potential therapeutic applications. 2023 , 98, 055007	О
21	Shape-altering flexible plasmonics of in-situ deformable nanorings. 2023, 10,	Ο
20	Reshaping Strategy at Ultrahigh Strain Rates Enables Large-Scale Fabrication of Sharp Nanostructures.	О
19	Dual-band refractive index sensor with cascaded asymmetric resonant compound grating based on bound states in the continuum. 2023 , 31, 13959	О
18	Plasmonic Nanostructuring by Means of Industrial-Friendly Laser Techniques. 2023, 10, 384	О
17	MgO????Fe????????? 2023 , 60, 0531001	O
16	Analytical device miniaturization for the detection of circulating biomarkers.	O
15	Excellent physical durability and enhanced Fano absorption of SPR sensor platform based on Au-covered silica sphere monolayer.	O
14	Hybrid-biotaxonomy-like machine learning enables an anticipated surface plasmon resonance of Au/Ag nanoparticles assembled on ZnO nanorods.	0
13	Nanosensors and nanomaterials Esolution to treat heavy metal ions. 2023,	О
12	Novel Glycolipid Chips with a Double Layer of Au Nanoparticles for Biological Toxin Detection. 2023 , 8, 13754-13762	О
11	Synthesis of highly stable silver nanoparticles as computed tomography contrast agents.	О

10	Seed-mediated synthesis of monodisperse plasmonic magnesium nanoparticles.	О
9	Au-based heterostructure composites for photo and electro catalytic energy conversions. 2023 , 36, e00609	O
8	Principles and Applications of Resonance Energy Transfer Involving Noble Metallic Nanoparticles. 2023 , 16, 3083	О
7	The size-and shape-controlled synthesis of silver nanoparticles by solvothermal method. 2023, 61,	0
6	Quantitative Analysis of the Shape Effect of Thermoplasmonics in Gold Nanostructures. 3853-3860	О
5	Colloidal inorganic nano- and microparticles for passive daytime radiative cooling. 2023, 10,	O
4	Single-Particle Plasmonic Sensing of Nitric Oxide in Living Cells.	О
3	Ultrasensitive Refractive Index Sensing Based on Hybrid High-Q Metasurfaces.	0
2	Plasmonic Double-Walled Nanoframes with Face-to-Face Nanogaps for Strong SERS Activity.	О
1	Understanding MetalBemiconductor Plasmonic Resonance Coupling through Surface-Enhanced Raman Scattering. 2023 , 15, 22730-22736	O