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A nanoscale optical biosensor: sensitivity and selectivity of an approach based on the localized surface plasmon resonance spectroscopy of triangular silver nanoparticles

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1821	Plasmon resonant particles for biological detection. <b>2003</b> , 14, 13-22		321
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1819	Site-Selective Self-assembly of MPA-Bridged CuHCF Multilayers on APTMS-Supported Gold Colloid Electrodes. <b>2003</b> , 15, 2495-2501		37
1818	A Nanoscale Optical Biosensor: Real-Time Immunoassay in Physiological Buffer Enabled by Improved Nanoparticle Adhesion. <b>2003</b> , 107, 1772-1780		409
1817	Size- and Shape-Controlled Fabrication of Large-Area Periodic Nanopillar Arrays. <b>2003</b> , 15, 2917-2920		69
1816	Biosensing based on light absorption of nanoscaled gold and silver particles. <b>2003</b> , 75, 6894-900		314
1815	Biomolecular Recognition Based on Single Gold Nanoparticle Light Scattering. <b>2003</b> , 3, 935-938		650
1814	Electrodeposition of Biferrocene Derivative-Attached Gold Nanoparticles: Solvent Effects and Lithographic Assembly. <b>2003</b> , 19, 8050-8056		36
1813	Critical flocculation concentrations, binding isotherms, and ligand exchange properties of peptide-modified gold nanoparticles studied by UV-visible, fluorescence, and time-correlated single photon counting spectroscopies. <b>2003</b> , 75, 5797-805		98

1812 Studies of the optical properties of metal-pliable polymer composite materials. <b>2003</b> , 57, 1346-52	28
1811 Plasmon-Sampled Surface-Enhanced Raman Excitation Spectroscopy <b>2003</b> , 107, 7426-7433	613
Direct Synthesis of Narrowly Dispersed Silver Nanoparticles Using a Single-Source Precursor. <b>2003</b> , 19, 10081-10085	179
1809 Single Silver Nanoparticles as Real-Time Optical Sensors with Zeptomole Sensitivity. <b>2003</b> , 3, 1057-1062	1369
Controlling the transmission at the surface plasmon resonance of nanocomposite films using photonic structures. <b>2003</b> , 83, 1842-1844	18
Detection of DNA Hybridization by Gold Nanoparticle Enhanced Transmission Surface Plasmon Resonance Spectroscopy. <b>2003</b> , 107, 6497-6499	110
1806 Monolayer-protected Au cluster (MPC)-supported Ti-BINOLate complex. <b>2003</b> , 5, 4409-12	53
Localized surface plasmon resonance immunoassay and verification using surface-enhanced Raman spectroscopy. <b>2003</b> ,	11
1804 Nanoparticle optics: fabrication, surface-enhanced spectroscopy, and sensing. <b>2003</b> ,	17
1803 Probing the Long Range Distance Dependence of Noble Metal Nanoparticles. <b>2003</b> , 789, 211	2
1802 Nanoscale optical biosensors based on localized surface plasmon resonance spectroscopy. <b>2003</b> ,	28
1801 Optimized surface-enhanced Raman scattering on gold nanoparticle arrays. <b>2003</b> , 82, 3095-3097	354
1800 Silicon Micro-Photonic Structure for Ultra-Sensitive Biosensing. <b>2003</b> , 797, 31	
1799 Fabrication of Nanoimprint Stamps by Nanosphere Lithography. <b>2003</b> , 776, 5301	
1798 . <b>2004</b> ,	250
1797 Surface-enhanced Raman scattering from ordered Ag nanocluster arrays. <b>2004</b> , 121, 10657-9	41
1796 Ion beam lithographic fabrication of ordered VO2 nanoparticle arrays. <b>2004</b> , 820, 264	1
Optical biosensors based on four different surface plasmon resonance modes: sensitivity comparison. <b>2004</b> , 5327, 148	2

1794	Refractive-index-sensitive, plasmon-resonant-scattering, and surface-enhanced Raman-scattering nanoparticles and arrays as biological sensing platforms. <b>2004</b> , 5327, 60	16
1793	The use of nanocrystals in biological detection. <b>2004</b> , 22, 47-52	2626
1792	A new spectral resonance of metallic nanorods. <b>2004</b> , 97, 97-99	16
1791	A Nanoscale Optical Biosensor: 'The Long Range Distance Dependence of the Localized Surface Plasmon Resonance of Noble Metal Nanoparticles. <b>2004</b> , 108, 109-116	644
1790	Using solution-phase nanoparticles, surface-confined nanoparticle arrays and single nanoparticles as biological sensing platforms. <b>2004</b> , 14, 355-67	196
1789	Label free colorimetric biosensing using nanoparticles. <b>2004</b> , 14, 377-89	134
1788	Spectroscopic characterizations of molecularly linked gold nanoparticle assemblies upon thermal treatment. <b>2004</b> , 20, 4254-60	30
1787	Plasmonic Nanomaterials. <b>2004</b> , 173-200	14
1786	Size-Controlled Synthesis of Gold Nanoparticles via High-Temperature Reduction. <b>2004</b> , 20, 3021-3023	67
1785	Plasmon resonances of silver and gold nanorods. 2004,	7
1785 1784	Plasmon resonances of silver and gold nanorods. 2004,  Fishing of beta-amylase with a SAM of alpha-cyclodextrin-poly- (ethylene glycol) conjugate. 2004, 279, 425-32	7
1784	Fishing of beta-amylase with a SAM of alpha-cyclodextrin-poly- (ethylene glycol) conjugate. <b>2004</b> ,	
1784	Fishing of beta-amylase with a SAM of alpha-cyclodextrin-poly- (ethylene glycol) conjugate. <b>2004</b> , 279, 425-32	7
1784 1783	Fishing of beta-amylase with a SAM of alpha-cyclodextrin-poly- (ethylene glycol) conjugate. <b>2004</b> , 279, 425-32  A novel glucose ENFET based on the special reactivity of MnO2 nanoparticles. <b>2004</b> , 19, 1295-300  A sensitivity comparison of optical biosensors based on four different surface plasmon resonance modes. <b>2004</b> , 20, 633-42	7
1784 1783 1782	Fishing of beta-amylase with a SAM of alpha-cyclodextrin-poly- (ethylene glycol) conjugate. <b>2004</b> , 279, 425-32  A novel glucose ENFET based on the special reactivity of MnO2 nanoparticles. <b>2004</b> , 19, 1295-300  A sensitivity comparison of optical biosensors based on four different surface plasmon resonance modes. <b>2004</b> , 20, 633-42	7 167 157
1784 1783 1782	Fishing of beta-amylase with a SAM of alpha-cyclodextrin-poly- (ethylene glycol) conjugate. 2004, 279, 425-32  A novel glucose ENFET based on the special reactivity of MnO2 nanoparticles. 2004, 19, 1295-300  A sensitivity comparison of optical biosensors based on four different surface plasmon resonance modes. 2004, 20, 633-42  A unified view of propagating and localized surface plasmon resonance biosensors. 2004, 379, 920-30  Integrated nanoparticle-biomolecule hybrid systems: synthesis, properties, and applications. 2004,	7 167 157 533
1784 1783 1782 1781 1780	Fishing of beta-amylase with a SAM of alpha-cyclodextrin-poly- (ethylene glycol) conjugate. 2004, 279, 425-32  A novel glucose ENFET based on the special reactivity of MnO2 nanoparticles. 2004, 19, 1295-300  A sensitivity comparison of optical biosensors based on four different surface plasmon resonance modes. 2004, 20, 633-42  A unified view of propagating and localized surface plasmon resonance biosensors. 2004, 379, 920-30  Integrated nanoparticle-biomolecule hybrid systems: synthesis, properties, and applications. 2004, 43, 6042-108	7 167 157 533 2155

1776	A double templated electrodeposition method for the fabrication of arrays of metal nanodots. <b>2004</b> , 6, 447-453	63
1775	Optical models for conjugates of gold and silver nanoparticles with biomacromolecules. <b>2004</b> , 89, 143-153	36
1774	Optical biosensor based on colloidal gold-modified long-period fiber grating.	
1773	Nanocavity in a silicon waveguide for ultrasensitive nanoparticle detection. <b>2004</b> , 85, 4854-4856	56
1772	Optical properties and applications of dendrimer thetal nanocomposites. <b>2004</b> , 23, 109-150	59
1771	Simultaneous surface acoustic wave and surface plasmon resonance measurements: Electrodeposition and biological interactions monitoring. <b>2004</b> , 95, 1677-1680	15
1770	Two- and Three-Dimensional Au Nanoparticle/CoTMPyP Self-Assembled Nanotructured Materials: Film Structure, Tunable Electrocatalytic Activity, and Plasmonic Properties. <b>2004</b> , 108, 19146-19154	64
1769	Chemical and Dielectric Manipulation of the Plasmonic Band Gap of Metallodielectric Arrays. <b>2004</b> , 4, 1497-1500	12
1768	Plasmonic Properties of Concentric Nanoshells. <b>2004</b> , 4, 1323-1327	182
1767	Label-free assays on the BIND system. <b>2004</b> , 9, 481-90	221
1766	Nanoscale Optical Biosensor: Short Range Distance Dependence of the Localized Surface Plasmon Resonance of Noble Metal Nanoparticles. <b>2004</b> , 108, 6961-6968	536
1765	Gold Nanoshells Improve Single Nanoparticle Molecular Sensors. <b>2004</b> , 4, 1853-1857	230
1764	Sensing capabilities of colloidal gold modified with a self-assembled monolayer of a glucose-carrying polymer chain on a glass substrate. <b>2004</b> , 20, 8897-902	50
1763	Silver nanoparticle array structures that produce remarkably narrow plasmon lineshapes. <b>2004</b> , 120, 10871-5	586
1762	A comparative analysis of localized and propagating surface plasmon resonance sensors: the binding of concanavalin a to a monosaccharide functionalized self-assembled monolayer. <i>Journal of the American Chemical Society,</i> <b>2004</b> , 126, 12669-76	447
1761	Size-dependent optical properties of VO2 nanoparticle arrays. <b>2004</b> , 93, 177403	191
1760	Propagation loss measurement for surface plasmon-polariton modes at metal waveguides on semiconductor substrates. <b>2004</b> , 84, 852-854	43
1759	MATERIALS ASSEMBLY AND FORMATION USING ENGINEERED POLYPEPTIDES. <b>2004</b> , 34, 373-408	221

1758	Tunable multiple plasmon resonance wavelengths response from multicomponent polymer-metal nanocomposite systems. <b>2004</b> , 84, 2655-2657	109
1757	A Localized Surface Plasmon Resonance Biosensor: First Steps toward an Assay for Alzheimer's Disease. <b>2004</b> , 4, 1029-1034	596
1756	Scattering Spectra of Single Gold Nanoshells. <b>2004</b> , 4, 2355-2359	251
1755	Molecular beacon DNA probes and their bioanalytical applications. <b>2004</b> , 58, 269A-280A	52
1754	Silver Nanoplates: Size Control in Two Dimensions and Formation Mechanisms. 2004, 108, 5500-5506	228
1753	Nanosphere lithography: fabrication of large-area Ag nanoparticle arrays by convective self-assembly and their characterization by scanning UV-visible extinction spectroscopy. <b>2004</b> , 20, 6927-31	108
1752	Geometrical Parameters Controlling Sensitivity of Nanoshell Plasmon Resonances to Changes in Dielectric Environment. <b>2004</b> , 108, 17290-17294	215
1751	Electromagnetic fields around silver nanoparticles and dimers. <b>2004</b> , 120, 357-66	1566
1750	Photocatalytic synthesis of silver nanoparticles stabilized by TiO2 nanorods: a semiconductor/metal nanocomposite in homogeneous nonpolar solution. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 3868-79	282
1749	Biological sensing using transmission surface plasmon resonance spectroscopy. <b>2004</b> , 20, 7365-7	100
1748	DPN-Generated Nanostructures Made of Gold, Silver, and Palladium. <b>2004</b> , 16, 1480-1484	89
1747	Bioscaffolds for metal nanostructures. <b>2004</b> ,	1
1746	Observation of microarray DNA hybridization using surface plasmon resonance phase-shift interferometry. <b>2004</b> , 5327, 80	
1745	Bio-scaffolds for ordered nanostructures and metallodielectric nanoparticles. 2005,	2
1744	Direct detection of the interaction of tiny analytes with receptors using an advanced plasmonic biosensor. <b>2005</b> ,	
1743	Microfabricated substrates for spectroscopy and separation. 2005,	
1742	Characterization of SERS substrates for chem/bio processing systems. 2005,	
1741	Labels and Detection Methods. <b>2005</b> , 147-179	8

# (2005-2005)

1740	Resistance of zwitterionic telomers accumulated on metal surfaces against nonspecific adsorption of proteins. <b>2005</b> , 282, 340-8	86
1739	Gold-conductive polymer nanoparticles: a hybrid material with enhanced photonic reactivity to environmental stimuli. <b>2005</b> , 292, 445-54	35
1738	Fabrication of Au nanostructures in the process of amalgam formation followed by AuHg alloy thermal decomposition. <b>2005</b> , 478, 152-158	5
1737	Localized surface plasmon resonance based optical biosensor using surface modified nanoparticle layer for label-free monitoring of antigen Intibody reaction. <b>2005</b> , 6, 491-500	102
1736	Surface patterning with carbon thin films by nanosphere lithography. <b>2005</b> , 198, 178-183	11
1735	Self-assembled monolayers of thiolates on metals as a form of nanotechnology. <b>2005</b> , 105, 1103-69	6730
1734	Plasmonic Materials for Surface-Enhanced Sensing and Spectroscopy. <b>2005</b> , 30, 368-375	544
1733	Label-free detection of peptide nucleic acid-DNA hybridization using localized surface plasmon resonance based optical biosensor. <b>2005</b> , 77, 6976-84	274
1732	Localized surface plasmon resonance spectroscopy of single silver nanocubes. <b>2005</b> , 5, 2034-8	1166
1731	Nanostructures in biodiagnostics. <b>2005</b> , 105, 1547-62	4122
1731 1730	Nanostructures in biodiagnostics. 2005, 105, 1547-62  The effect of the size, shape, and structure of metal nanoparticles on the dependence of their optical properties on the refractive index of a disperse medium. 2005, 98, 77-83	108
	The effect of the size, shape, and structure of metal nanoparticles on the dependence of their	
1730	The effect of the size, shape, and structure of metal nanoparticles on the dependence of their optical properties on the refractive index of a disperse medium. <b>2005</b> , 98, 77-83  Structural and Optical Properties of Soluel-Derived Au/BaTiO3 Nanocomposite Thin Films. <b>2005</b> ,	108
1730 1729	The effect of the size, shape, and structure of metal nanoparticles on the dependence of their optical properties on the refractive index of a disperse medium. 2005, 98, 77-83  Structural and Optical Properties of Soltel-Derived Au/BaTiO3 Nanocomposite Thin Films. 2005, 88, 758-767  Preparation and characterization of gold-coated silver triangular platelets in nanometer scale. 2005	108
1730 1729 1728	The effect of the size, shape, and structure of metal nanoparticles on the dependence of their optical properties on the refractive index of a disperse medium. 2005, 98, 77-83  Structural and Optical Properties of SolGel-Derived Au/BaTiO3 Nanocomposite Thin Films. 2005, 88, 758-767  Preparation and characterization of gold-coated silver triangular platelets in nanometer scale. 2005, 90, 361-366  Large-scale synthesis of silver nanocubes: the role of HCl in promoting cube perfection and monodispersity. 2005, 44, 2154-7	108 11 13
1730 1729 1728 1727	The effect of the size, shape, and structure of metal nanoparticles on the dependence of their optical properties on the refractive index of a disperse medium. 2005, 98, 77-83  Structural and Optical Properties of Soltel-Derived Au/BaTiO3 Nanocomposite Thin Films. 2005, 88, 758-767  Preparation and characterization of gold-coated silver triangular platelets in nanometer scale. 2005, 90, 361-366  Large-scale synthesis of silver nanocubes: the role of HCl in promoting cube perfection and monodispersity. 2005, 44, 2154-7  Large-Scale Synthesis of Silver Nanocubes: The Role of HCl in Promoting Cube Perfection and	108 11 13 528
1730 1729 1728 1727 1726	The effect of the size, shape, and structure of metal nanoparticles on the dependence of their optical properties on the refractive index of a disperse medium. 2005, 98, 77-83  Structural and Optical Properties of SolCiel-Derived Au/BaTiO3 Nanocomposite Thin Films. 2005, 88, 758-767  Preparation and characterization of gold-coated silver triangular platelets in nanometer scale. 2005, 90, 361-366  Large-scale synthesis of silver nanocubes: the role of HCl in promoting cube perfection and monodispersity. 2005, 44, 2154-7  Large-Scale Synthesis of Silver Nanocubes: The Role of HCl in Promoting Cube Perfection and Monodispersity. 2005, 117, 2192-2195	108 11 13 528 117

1722	Sensitivity of transmission surface plasmon resonance (T-SPR) spectroscopy: self-assembled multilayers on evaporated gold island films. <b>2005</b> , 11, 5555-62	58
1721	Laser-assisted growth of gold nanoparticles: Shaping and optical characterization. <b>2005</b> , 81, 663-668	28
1720	Synthesis of spherical silver nanoparticles by digestive ripening, stabilization with various agents, and their 3-D and 2-D superlattice formation. <b>2005</b> , 284, 521-6	200
1719	Ionogel-templated synthesis and organization of anisotropic gold nanoparticles. <b>2005</b> , 1, 754-60	86
1718	. 2005,	32
1717	Nanoarrays. <b>2005</b> , 89-118	4
1716	Surface plasmon resonance phase-shift interferometry: real-time DNA microarray hybridization analysis. <b>2005</b> , 10, 034005	27
1715	Fabrication of Highly-ordered and Densely-spaced Silicon Nano-needle Arrays for Bio-sensing Applications. <b>2005</b> , 900, 1	
1714	Microarray Technology and Its Applications. 2005,	30
1713	Molecular engineering of surfaces using self-assembled monolayers. <b>2005</b> , 88, 17-48	95
1712	Role of surface-to-volume ratio of metal nanoparticles in optical properties of Cu:Al2O3 nanocomposite films. <b>2005</b> , 86, 193104	12
1711	Radiative Decay Engineering. <b>2005</b> ,	4
1710	Investigation of the sensitivity enhancement of nanowire-based surface plasmon resonance biosensors.	
1709	Noble Metal Nanoparticle Biosensors. <b>2005</b> , 353-380	2
1708	Time Resolved Fluorescence Measurements of Fluorophores Close to Metal Nanoparticles. 2005, 249-273	1
1707	Guide to the Literature of Piezoelectricity and Pyroelectricity. 23. <b>2005</b> , 321, 91-204	18
1706	Miniaturized detection technology in molecular diagnostics. <b>2005</b> , 5, 549-59	19
1705	Surface Plasmon Excitation in Three-dimensional, Ordered, Gold Nanocrystal Arrays Using a Prism Coupler. <b>2005</b> , 900, 1	

#### (2005-2005)

1704	Lithography <b>2005</b> , 872, 1		3
1703	Biological applications of localised surface plasmonic phenomenae. <b>2005</b> , 152, 13-32		218
1702	Nanoparticles with Tunable Localized Surface Plasmon Resonances. <b>2005</b> , 47-99		7
1701	Chapter 7 New materials for biosensors, biochips and molecular bioelectronics. <b>2005</b> , 285-327		15
1700	Interfacial sensing: surface assembled molecular receptors. <b>2005</b> , 3509-13		16
1699	A combinatorial approach to surface-confined cation sensors in water. <b>2005</b> , 15, 2772		52
1698	Kinetic and thermodynamic assessments of the mediator-template assembly of nanoparticles. <b>2005</b> , 109, 2578-83		33
1697	Solution-phase, triangular ag nanotriangles fabricated by nanosphere lithography. <b>2005</b> , 109, 11158-62		99
1696	Stabilization of Silver Metal in Citrate Buffer: Barcoded Nanowires and Their Bioconjugates. <b>2005</b> , 17, 4356-4361		32
1695	Controlling plasmon line shapes through diffractive coupling in linear arrays of cylindrical nanoparticles fabricated by electron beam lithography. <b>2005</b> , 5, 1065-70		373
1694	Preparation and optical scattering characterization of gold nanorods and their application to a dot-immunogold assay. <b>2005</b> , 44, 6285-95		69
1693	Design study of highly sensitive nanowire-enhanced surface plasmon resonance biosensors using rigorous coupled wave analysis. <b>2005</b> , 13, 3737-42		103
1692	Confined plasmons in nanofabricated single silver particle pairs: experimental observations of strong interparticle interactions. <b>2005</b> , 109, 1079-87		447
1691	Inhibition assay of biomolecules based on fluorescence resonance energy transfer (FRET) between quantum dots and gold nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 3270-1	16.4	475
1690	Wavelength-scanned surface-enhanced Raman excitation spectroscopy. <b>2005</b> , 109, 11279-85		817
1689	Fabrication of metallic nanodots in large-area arrays by mold-to-mold cross imprinting (MTMCI). <b>2005</b> , 5, 2557-62		34
1688	Detection of a biomarker for Alzheimer's disease from synthetic and clinical samples using a nanoscale optical biosensor. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 2264-71	16.4	716
1687	Biofunctionalized Nanoparticles for Surface-Enhanced Raman Scattering and Surface Plasmon Resonance. <b>2005</b> , 429-443		6

1686	Plasmonic properties of film over nanowell surfaces fabricated by nanosphere lithography. <b>2005</b> , 109, 22351-8	134
1685	Electrochemical tuning of silver nanoparticles fabricated by nanosphere lithography. 2005, 5, 1503-7	142
1684	Second harmonic excitation spectroscopy of silver nanoparticle arrays. <b>2005</b> , 109, 4501-6	50
1683	Localized surface plasmon resonance nanosensor: a high-resolution distance-dependence study using atomic layer deposition. <b>2005</b> , 109, 20522-8	282
1682	Substituent effects on the adsorption of dialkyl sulfides on gold nanoparticles. 2005, 109, 11172-9	8
1681	Multipolar excitation in triangular nanoprisms. <b>2005</b> , 123, 114713	237
1680	Optical Properties and Biomedical Applications of Nanostructures Based on Gold and Silver Bioconjugates. <b>2004</b> , 265-308	11
1679	Surface plasmon resonances of single and coupled metallic nanoparticles: A boundary integral method approach. <b>2005</b> , 72,	112
1678	Cross-correlation of optical microcavity biosensor response with immobilized enzyme activity. Insights into biosensor sensitivity. <b>2005</b> , 77, 3222-30	120
1677	Metal nanoshell assembly on a virus bioscaffold. <b>2005</b> , 5, 1187-91	116
1676	Profiling the near field of a plasmonic nanoparticle with Raman-based molecular rulers. 2006, 6, 2338-43	112
1675	Geometry dependent features of optically induced forces between silver nanoparticles. <b>2006</b> , 110, 19243-53	5
1674	Chemically selective sensing through layer-by-layer incorporation of biorecognition into thin film substrates for surface-enhanced resonance Raman scattering. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 12626-7	41
1673	Biosensing. 2006,	3
1672	Control of near-infrared optical response of metal nano-structured film on glass substrate for intense Raman scattering. <b>2006</b> , 132, 179-90; discussion 227-47	15
1671	Hierarchical surface rough ordered Au particle arrays and their surface enhanced Raman scattering. <b>2006</b> , 89, 181918	82
1670	A New Method to Prepare Ordered Silver Nanoparticle Arrays. 2006,	
1669	On the temperature stability of gold nanorods: comparison between thermal and ultrafast laser-induced heating. <b>2006</b> , 8, 814-21	260

# (2006-2006)

1668	Surface enhanced Raman spectroscopy: new materials, concepts, characterization tools, and applications. <b>2006</b> , 132, 9-26	499
1667	Coupled Plasmonic Plasmon/Photonic Resonance Effects in SERS. <b>2006</b> , 67-85	14
1666	Absorption and scattering of light by a dimer of metal nanospheres: comparison of dipole and multipole approaches. <b>2006</b> , 17, 1437-1445	95
1665	Single-step fabrication and characterization of photonic crystal biosensors with polymer microfluidic channels. <b>2006</b> , 6, 1373-80	65
1664	Coupled planar silver nanoparticle arrays as refractive index sensors. <b>2006</b> , 8, S144-S147	29
1663	Plasmonic properties of Ag nanoclusters in various polymer matrices. <b>2006</b> , 17, 3499-505	131
1662	Fabrication of ordered ZnO hierarchical structures controlled via surface charge in the electrophoretic deposition process. <b>2006</b> , 17, 4445-4450	29
1661	The plasmon band in noble metal nanoparticles: an introduction to theory and applications. <b>2006</b> , 30, 1121	515
1660	Single-crystalline gold microplates: synthesis, characterization, and thermal stability. <b>2006</b> , 110, 4651-6	158
1659	Hierarchical self-assembly of silver nanocluster arrays on triblock copolymer templates. <b>2006</b> , 110, 18154-7	15
1658	Resonance surface plasmon spectroscopy: low molecular weight substrate binding to cytochrome p450. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 11004-5	103
1657	Bowing Effect with Fluorescence: A Unique Chemosensor for the Silver Ion. <b>2006</b> , 45, 656-662	7
1656	Development and characterization of Au-YSZ surface plasmon resonance based sensing materials: high temperature detection of CO. <b>2006</b> , 110, 13508-11	63
1655	Generation and detection of single metal nanoparticles using scanning electrochemical microscopy techniques. <b>2006</b> , 110, 25279-87	63
1654	Bending contours in silver nanoprisms. <b>2006</b> , 110, 11796-9	49
1653	Sensing capabilities of colloidal gold monolayer modified with a phenylboronic acid-carrying polymer brush. <b>2006</b> , 7, 1065-71	43
1652	Effect of resonant localized plasmon coupling on the sensitivity enhancement of nanowire-based surface plasmon resonance biosensors. <b>2006</b> , 23, 2307-14	46
1651	Profile effect on the feasibility of extinction-based localized surface plasmon resonance biosensors with metallic nanowires. <b>2006</b> , 45, 3382-9	18

1650	Electromagnetic Mechanism of SERS. <b>2006</b> , 19-45	307
1649	Creating hot nanoparticle pairs for surface-enhanced Raman spectroscopy through optical manipulation. <b>2006</b> , 6, 2639-41	221
1648	Silica-Coating and Hydrophobation of CTAB-Stabilized Gold Nanorods. <b>2006</b> , 18, 2465-2467	347
1647	Exploitation of Self-Assembled Nanostructures in Optical Biosensors. <b>2006</b> , 279-293	
1646	A theoretical and experimental investigation into the enhancement of near electro-magnetic field via plasmonic effects. <b>2006</b> , 6099, 119	1
1645	??????????????. <b>2006</b> , 74, 496-501	1
1644	Study the enhancement of near electro-magnetic field via plasmonic effects using finite-difference time-domain method and near-field scanning optical microscopy. <b>2006</b> ,	
1643	Investigation of metallic nanowire-based localized surface plasmon resonance optical biosensors using extinction spectra. <b>2006</b> , 6099, 136	
1642	Optical microarray biosensing techniques. <b>2006</b> , 38, 1442-1458	154
1641	Synthesis of TiO2-Au composites by titania-nanorod-assisted generation of gold nanoparticles at aqueous/nonpolar interfaces. <b>2006</b> , 2, 413-21	52
1640	Quantitative detection of doping substances by a localised surface plasmon sensor. <b>2006</b> , 21, 1345-9	40
1639	Sub-attomole oligonucleotide and p53 cDNA determinations via a high-resolution surface plasmon resonance combined with oligonucleotide-capped gold nanoparticle signal amplification. <b>2006</b> , 354, 220-8	138
1638	Nonlinear optics of molecular nanostructures in solution: Assessment of the size and nonlinear optical properties. <b>2006</b> , 429, 294-298	3
1637	Fiber-optic chemical and biochemical probes based on localized surface plasmon resonance. <b>2006</b> , 113, 100-105	160
1636	Cycle performance of solgel optical sensor based on localized surface plasmon resonance of silver particles. <b>2006</b> , 113, 382-388	15
1635	A label-free biosensor-based cell attachment assay for characterization of cell surface molecules. <b>2006</b> , 114, 559-564	47
1634	Surface plasmon resonance of silver nanoparticles on vanadium dioxide. <b>2006</b> , 110, 2051-6	75
1633	Silver Nanoplates with Special Shapes: Controlled Synthesis and Their Surface Plasmon Resonance and Surface-Enhanced Raman Scattering Properties. <b>2006</b> , 18, 4894-4901	231

1632	Localized surface plasmon resonance biosensors. <b>2006</b> , 1, 219-28	374
1631	Biomedical applications of plasmon resonant metal nanoparticles. <b>2006</b> , 1, 201-8	300
1630	Nanorice: a hybrid plasmonic nanostructure. <b>2006</b> , 6, 827-32	661
1629	Influence of dielectric properties of a substrate upon plasmon resonance spectrum of supported Ag nanoparticles. <b>2006</b> , 88, 043114	43
1628	Size-controlled synthesis of monodispersed silver nanoparticles capped by long-chain alkyl carboxylates from silver carboxylate and tertiary amine. <b>2006</b> , 22, 8581-6	186
1627	Fabrication of 2-dimensional platinum nanocatalyst arrays by electron beam lithography: ethylene hydrogenation and CO-poisoning reaction studies. <b>2006</b> , 39, 123-129	24
1626	Investigation of the profile effect on the sensitivity enhancement of nanowire-mediated localized surface plasmon resonance biosensors. <b>2006</b> , 117, 401-407	29
1625	Fiber-optic biochemical sensing with a colloidal gold-modified long period fiber grating. <b>2006</b> , 119, 105-109	89
1624	Fabrication of high aspect ratio nanostructures using capillary force lithography. 2006, 23, 678-682	10
1623	Surface plasmon resonances of free-standing gold nanowires fabricated by nanoskiving. <b>2006</b> , 45, 3631-5	66
1622	Surface Plasmon Resonances of Free-Standing Gold Nanowires Fabricated by Nanoskiving. <b>2006</b> , 118, 3713-3717	17
1621	Formation of Silver Nanoprisms with Surface Plasmons at Communication Wavelengths. <b>2006</b> , 16, 766-773	220
1620	Site-Specific Patterning of Biomolecules and Quantum Dots on Functionalized Surfaces Generated by Plasma-Enhanced Chemical Vapor Deposition. <b>2006</b> , 18, 2095-2100	28
1619	Effect of the nanowire cross-section on the sensitivity enhancement of localized surface plasmon resonance biosensors. <b>2006</b> , 6099, 128	
1618	Molecular optical imaging of therapeutic targets of cancer. <b>2007</b> , 96, 299-344	24
1617	Microplate-based, label-free detection of biomolecular interactions: applications in proteomics. <b>2006</b> , 3, 271-81	72
1616	Seed-mediated growth of gold nanoparticles using self-assembled monolayer of polystyrene microspheres as nanotemplate arrays. <b>2006</b> , 15, 2080-2086	
1615	BioMEMS and Biomedical Nanotechnology. <b>2006</b> ,	7

Plasmonic and Diffractive Coupling in 2D Arrays of Nanoparticles p Lithography. <b>2006</b> , 951, 20	produced by Electron Beam 2
1613 Localized surface plasmon and molecular resonance: fundamental	study and application. <b>2006</b> , 3
Fabrication of quasi-one-dimensional oxide nanoconstriction array simple approach to nanopatterns of multicomponent oxides. <b>2006</b>	
$_{1611}$ Optimized plasmonic nanoparticle distributions for solar spectrum	n harvesting. <b>2006</b> , 89, 153120 158
1610 Raman scattering images and spectra of gold ring arrays. <b>2006</b> , 73,	, 30
1609 Engineering sub-100 nm multi-layer nanoshells. <b>2006</b> , 17, 5435-544	40 66
Fabrication of nanoporous silicon nitride and silicon oxide films of combined electrochemical and waveguide measurements. <b>2007</b> , 18	
1607 Synthesis of perfect silver nanocubes by a simple polyol process. <b>2</b>	2 <b>007</b> , 22, 1479-1485 20
1606 Optical Biosensing Based on Metal and Semiconductor Colloidal N	anocrystals. <b>2007</b> , 1
1605 Plasmonic materials for surface-enhanced and tip-enhanced Rama	n spectroscopy. <b>2007</b> , 1-39 1
1604 Nanomaterial Based Environmental Sensors. <b>2007</b> , 439-497	
Excitation of localized surface plasmon resonance using a corellhel substrate and its application for label-free detection of biomolecu	
1602 Hollow ion emission driven by pulsed intense X-ray fields. <b>2007</b> , 77	7, 24001 26
$_{1601}$ Nanopatterning of gold colloids for label-free biosensing. <b>2007</b> , 18	3, 155306 36
1600 Surface Patterning Using Blister Exfoliation Induced by Electron Iri	radiation. <b>2007</b> , 46, 7812-7815 2
1599 The self-assembly of monodisperse nanospheres within microtube	es. <b>2007</b> , 18, 275706
Comparing the influence of gold nanorods and -discs on the sponta dye. <b>2007</b> , 9, S437-S442	aneous decay rate of Eußhelate
Surface charge driven size evolution during the formation of self-a discrete hydrophilic silver nanoparticles. <b>2007</b> , 18, 465603	assembled nanostructures from 6

1596 A full-field heterodyne surface plasmon resonance dynamic bio-imaging system. 2007, 6447, 36 1595 Hybrid metallic nanoparticles for excitation of surface plasmon resonance. 2007, 101, 064701 12 Periodic nanohole arrays with shape-enhanced plasmon resonance as real-time biosensors. 2007, 1594 230 90, 243110 High Throughput Cytotoxicity Screening using Photonic Crystal Biosensors. 2007, 1593 Specific Immobilization of Streptavidin on Mixed Self-Assembled Monolayers as Mixing Ratio. 2007, 1592 4 121-123, 495-498 Light Scattering and Nanoscale Surface Roughness. 2007, 47 Effective medium properties and photonic crystal superstructures of metallic nanoparticle arrays. 40 1590 2007, 101, 054304 Resonant and scatterometric grating-based nanophotonic structures for biosensing. 2007, 1, 011680 9 1588 Liquid Crystal Biosensors: A New Approach to Medical Diagnostic Devices. 2007, 241-296 1 Gold Nanoparticles With Special Shapes: Controlled Synthesis, Surface-enhanced Raman Scattering, 1587 140 and The Application in Biodetection. 2007, 7, 3299-3311 1586 Surface enhanced Raman scattering activity of core-shell Au nanoparticle film. 2007, Highly Sensitive and Selective Chemical Sensing Techniques Using Gold Nanoparticle Assemblies 1585 11 and Superstructures. 2007, 56, 201-211 1584 Key technologies for LSPR-sensing microfluidic biochip. 2007, 1 Biochemistry nanosensor based on hybrid metallic nanostructure array. 2007, 1582 Localized surface plasmon sensing platform. 2007, 1581 Increased throughput single molecule detection of DNA. 2007, Impact of surface roughness on the sensitivity enhancement of a nanowire-based surface plasmon 1580 resonance biosensor. 2007,

Plasmon resonance microsensor for droplet analysis. 2007, 32, 2435-7

1578	Sensitivity analysis of a nanowire-based surface plasmon resonance biosensor in the presence of surface roughness. <b>2007</b> , 24, 522-9	30
1577	Multichannel biosensing platform of surface-immobilized gold nanospheres for linear and nonlinear optical imaging. <b>2007</b> , 46, 4486-90	14
1576	Grating-coupled transmission-type surface plasmon resonance sensors based on dielectric and metallic gratings. <b>2007</b> , 46, 5703-8	76
1575	Surface modification of cetyltrimethylammonium bromide-capped gold nanorods to make molecular probes. <b>2007</b> , 23, 9114-9	137
1574	A facile aqueous-phase route for the synthesis of silver nanoplates. <b>2007</b> , 61, 130-133	48
1573	Controlling gold nanoparticle assemblies for efficient surface-enhanced Raman scattering and localized surface plasmon resonance sensors. <b>2007</b> , 18, 255702	113
1572	Grating-coupling of surface plasmons onto metallic tips: a nanoconfined light source. 2007, 7, 2784-8	391
1571	Design and synthesis of single-nanoparticle optical biosensors for imaging and characterization of single receptor molecules on single living cells. <b>2007</b> , 79, 7708-18	90
1570	Two-dimensional self-organization of polystyrene-capped gold nanoparticles. 2007, 23, 2843-50	79
1569	Hydrogen storage in Pd nanodisks characterized with a novel nanoplasmonic sensing scheme. <b>2007</b> , 7, 3122-7	192
		192
	7, 3122-7	
1568	7, 3122-7  Protein Interactions. 2007,  Sensing characteristics of NIR localized surface plasmon resonances in gold nanorings for	5
1568 1567 1566	7, 3122-7  Protein Interactions. 2007,  Sensing characteristics of NIR localized surface plasmon resonances in gold nanorings for application as ultrasensitive biosensors. 2007, 7, 1256-63  Controllable colours and shapes of silver nanostructures based on pH: application to	5
1568 1567 1566	Protein Interactions. 2007,  Sensing characteristics of NIR localized surface plasmon resonances in gold nanorings for application as ultrasensitive biosensors. 2007, 7, 1256-63  Controllable colours and shapes of silver nanostructures based on pH: application to surface-enhanced Raman scattering. 2007, 18, 325602	5
1568 1567 1566	Protein Interactions. 2007,  Sensing characteristics of NIR localized surface plasmon resonances in gold nanorings for application as ultrasensitive biosensors. 2007, 7, 1256-63  Controllable colours and shapes of silver nanostructures based on pH: application to surface-enhanced Raman scattering. 2007, 18, 325602  Surface Plasmons: Optic Effects on Nanostructured Metal Surfaces. 2007, 1-11	<ul><li>5</li><li>603</li><li>67</li></ul>
1568 1567 1566 1565	Protein Interactions. 2007,  Sensing characteristics of NIR localized surface plasmon resonances in gold nanorings for application as ultrasensitive biosensors. 2007, 7, 1256-63  Controllable colours and shapes of silver nanostructures based on pH: application to surface-enhanced Raman scattering. 2007, 18, 325602  Surface Plasmons: Optic Effects on Nanostructured Metal Surfaces. 2007, 1-11  Fabrication of large-area patterned nanostructures for optical applications by nanoskiving. 2007, 7, 2800-5	<ul><li>5</li><li>603</li><li>67</li><li>76</li></ul>

# (2007-2007)

1560	micropillars. <b>2007</b> , 3, 1369-1371	23
1559	Aminopropyltriethoxysilane (APTES)-functionalized nanoporous polymeric gratings: fabrication and application in biosensing. <b>2007</b> , 17, 4896	84
1558	Surface Enhanced Raman Scattering from Silver Nanoparticle Arrays on Silver Mirror Films: Plasmon-Induced Electronic Coupling as the Enhancement Mechanism. <b>2007</b> , 111, 18010-18017	56
1557	Metallic nanostructured materials based sensors. <b>2007</b> , 52, 289-317	38
1556	Templating water stains for nanolithography. <b>2007</b> , 7, 2452-8	22
1555	Supported lipid bilayer formation and lipid-membrane-mediated biorecognition reactions studied with a new nanoplasmonic sensor template. <b>2007</b> , 7, 3462-8	134
1554	Highly tunable infrared extinction properties of gold nanocrescents. 2007, 7, 1113-8	268
1553	Steric crowding effects on target detection in an affinity biosensor. <b>2007</b> , 23, 5817-23	85
1552	Localized surface plasmon resonance biosensor using silver nanostructures fabricated by glancing angle deposition. <b>2007</b> , 79, 4228-32	55
1551	Self-Assembly of Gold Nanoparticles at the Surface of Amine- and Thiol-Functionalized Boron Nitride Nanotubes. <b>2007</b> , 111, 12992-12999	153
1550	Molecular Dynamics Studies of the Coalescence of Silver Clusters. 2007, 111, 13337-13347	7
1549	Quantitative interpretation of gold nanoparticle-based bioassays designed for detection of immunocomplex formation. <b>2007</b> , 2, 6-15	17
1548	Quantitative evaluation of sensitivity and selectivity of multiplex nanoSPR biosensor assays. <b>2007</b> , 93, 3684-92	86
1547	Surface Plasmon Resonance of Gold Nanoparticle Arrays Partially Embedded in Quartz Substrates. <b>2007</b> , 111, 3658-3664	15
1546	Type I Collagen-Mediated Synthesis and Assembly of UV-Photoreduced Gold Nanoparticles and Their Application in Surface-Enhanced Raman Scattering. <b>2007</b> , 111, 1976-1982	51
1545	Chemical sensors based on molecularly modified metallic nanoparticles. 2007, 40, 7173-7186	143
1544	Multiplex biosensor using gold nanorods. <b>2007</b> , 79, 572-9	450
1543	Tailoring light emission properties of fluorophores by coupling to resonance-tuned metallic nanostructures. <b>2007</b> , 75,	70

1542	An optical biosensor based on localized surface plasmon resonance of silver nanostructured films. <b>2007</b> , 9, 699-703	33
1541	Photoreduction of Silver on Bare and Colloidal TiO2Nanoparticles/Nanotubes: Synthesis, Characterization, and Tested for Antibacterial Outcome. <b>2007</b> , 111, 13393-13397	122
1540	Nanoparticle Spectroscopy: Dipole Coupling in Two-Dimensional Arrays of L-Shaped Silver Nanoparticles. <b>2007</b> , 111, 10368-10376	37
1539	Optical Assays in Drug Discovery. <b>2007</b> , 577-598	3
1538	Novel Patterning of Gold Using Spin-Coatable Gold Electron-Beam Resist. 2007, 29, 814-816	2
1537	. 2007,	49
1536	Surface Plasmons: Optic Effects on Nanostructured Metal Surfaces. 2007, 1-11	
1535	Induction Time of Reaction Crystallization of Silver Nanoparticles. 2007, 30, 1129-1133	17
1534	High-yield synthesis of single-crystalline gold nano-octahedra. <b>2007</b> , 46, 3264-8	196
1533	High-Yield Synthesis of Single-Crystalline Gold Nano-octahedra. <b>2007</b> , 119, 3328-3332	69
1532	Nanoscale Localized Surface Plasmon Resonance Biosensors. 159-173	1
1531	Environmental Optical Sensitivity of Gold Nanodecahedra. <b>2007</b> , 17, 1443-1450	99
1530	Size-Controlled Water-Soluble Ag Nanoparticles. <b>2007</b> , 2007, 4823-4826	39
1529	Silica nanoparticles as pseudostationary phase for protein separation. <b>2007</b> , 28, 3017-23	18
1528	Reflection-based localized surface plasmon resonance fiber-optic probe for chemical and biochemical sensing at high-pressure conditions. <b>2007</b> , 41, 317-325	19
1527	Localized surface plasmon resonance of silicon compounds adsorbed on silver nanoparticles. <b>2007</b> , 601, 3886-3891	4
1526	Advances in immunochemical technologies for analysis of organic pollutants in the environment. <b>2007</b> , 26, 1100-1112	51
1525	Resistance of surface-confined telomers with pendent glucosylurea groups against non-specific adsorption of proteins. <b>2007</b> , 56, 188-96	4

# (2007-2007)

1524	Recognition of sugars on surface-bound cap-shaped gold particles modified with a polymer brush. <b>2007</b> , 57, 61-8	25
1523	How the morphology of biochips roughness increases surface-enhanced chemiluminescence. <b>2007</b> , 439, 105-109	10
1522	Long wavelength depolarized light scattering from silver nanoparticles. 2007, 443, 1-5	11
1521	A method of binding kinetics of a ligand to micropatterned proteins on a microfluidic chip. <b>2007</b> , 22, 891-8	8
1520	Spectroelectrochemical phenomena on surface plasmon resonance of Au nanoparticles immobilized on transparent electrode. <b>2007</b> , 52, 5914-5923	42
1519	Advantages and limitations of on-line solid phase extraction coupled to liquid chromatography-mass spectrometry technologies versus biosensors for monitoring of emerging contaminants in water. <b>2007</b> , 1152, 97-115	243
1518	Chemiluminescence of luminol catalyzed by silver nanoparticles. <b>2007</b> , 315, 158-63	95
1517	Quantitative enhanced Raman scattering of labeled DNA from gold and silver nanoparticles. <b>2007</b> , 3, 1593-601	116
1516	Nanoscale silver cluster embedded in artificial heterogeneous matrix consisting of protein and sodium polyacrylate. <b>2007</b> , 61, 659-662	18
1515	Chapter 2.8 Application of bioassays/biosensors for the analysis of pharmaceuticals in environmental samples. <b>2007</b> , 50, 279-334	5
1514	Surface Plasmon Resonance Sensitivity of Metal Nanostructures: Physical Basis and Universal Scaling in Metal Nanoshells. <b>2007</b> , 111, 17451-17454	157
1513	Localized surface plasmon resonance spectroscopy and sensing. <b>2007</b> , 58, 267-97	4420
1512	Detection of flavonoids and assay for their antioxidant activity based on enlargement of gold nanoparticles. <b>2007</b> , 388, 1199-205	59
1511	Investigation of the sensitivity of H-shaped nano-grating surface plasmon resonance biosensors using rigorous coupled wave analysis. <b>2007</b> , 89, 407-411	8
1510	Molecularly-mediated assembly of gold nanoparticles. <b>2007</b> , 40, 59-66	30
1509	Silver nanoparticles as matrix for laser desorption/ionization mass spectrometry of peptides. <b>2007</b> , 9, 1133-1138	83
1508	A label-free photonic crystal biosensor imaging method for detection of cancer cell cytotoxicity and proliferation. <b>2007</b> , 12, 1061-8	76
1507	Synthesis and characterization of enzyme-Au bioconjugates: HRP and fluorescein-labeled HRP. <b>2007</b> , 3, 12-22	17

1506	Sensitive and Label-Free Detection of DNA by Surface Plasmon Resonance. 2007, 2, 79-87	24
1505	Review of Some Interesting Surface Plasmon Resonance-enhanced Properties of Noble Metal Nanoparticles and Their Applications to Biosystems. <b>2007</b> , 2, 107-118	973
1504	A simple method to fabricate a chitosan-gold nanoparticles film and its application in glucose biosensor. <b>2007</b> , 70, 342-7	181
1503	Visual colorimetric detection of berberine hydrochloride with silver nanoparticles. 2008, 47, 860-4	64
1502	Interaction of wheat germ agglutinin with an N-acetylglucosamine-carrying telomer brush accumulated on a colloidal gold monolayer. <b>2008</b> , 61, 17-24	17
1501	Substrate binding to cytochromes P450. <b>2008</b> , 392, 1019-30	93
1500	Plasmonic Optical Properties and Applications of Metal Nanostructures. <b>2008</b> , 3, 127-150	317
1499	Growth of anisotropic gold nanostructures on conducting glass surfaces. <b>2008</b> , 120, 79-85	6
1498	Nanobiosensors: optofluidic, electrical and mechanical approaches to biomolecular detection at the nanoscale. <b>2008</b> , 4, 33-52	174
1497	Molecular imaging with nanoparticles: giant roles for dwarf actors. <b>2008</b> , 130, 845-75	190
1496	Plasmonic Au/Co/Au nanosandwiches with enhanced magneto-optical activity. 2008, 4, 202-5	199
1495	Individual nanometer hole-particle pairs for surface-enhanced Raman scattering. <b>2008</b> , 4, 1296-300	67
1494	A hierarchically ordered TiO2 hemispherical particle array with hexagonal-non-close-packed tops: synthesis and stable superhydrophilicity without UV irradiation. <b>2008</b> , 4, 2286-91	149
1493	Strategy for improved analysis of peptides by surface-enhanced Raman spectroscopy (SERS) involving positively charged nanoparticles. <b>2008</b> , 39, 611-617	18
1492	Effect of an aliphatic spacer group on the adsorption mechanism of phosphonodipeptides containing N-terminal glycine on the colloidal silver surface. <b>2008</b> , 39, 1396-1407	8
1491	Preparation of Novel Arrays Silver Nanoparticles Modified Polyrutin Coat-Paraffin-Impregnated Graphite Electrode for Tyrosine and Tryptophan's Oxidation. <b>2008</b> , 20, 907-915	44
1490	Polymeric Rulers: Distance-Dependent Emission Behaviors of Fluorophores on Flat Gold Surfaces and Bioassay Platforms Using Plasmonic Fluorescence Enhancement. <b>2008</b> , 18, 3395-3402	34
1489	Electric-Field-Assisted Growth of Highly Uniform and Oriented Gold Nanotriangles on Conducting Glass Substrates. <b>2008</b> , 20, 980-983	52

#### (2008-2008)

1488	Nanoparticles and Electroless Deposition of Metallic Films. <b>2008</b> , 20, 2561-2566	10
1487	Label-free imaging of cancer cells using photonic crystal biosensors and application to cytotoxicity screening of a natural compound library. <b>2008</b> , 132, 418-425	40
1486	A localized surface plasmon resonance nanosensor based on rhombic Ag nanoparticle array. <b>2008</b> , 134, 193-198	47
1485	Ag dots array fabricated using laser interference technique for biosensing. <b>2008</b> , 134, 940-944	24
1484	Polyelectrolyte-mediated non-micellar synthesis of monodispersed liggregates of gold nanoparticles using a microwave approach. <b>2008</b> , 330, 143-150	28
1483	Binding of Ricinus communis agglutinin to a galactose-carrying polymer brush on a colloidal gold monolayer. <b>2008</b> , 66, 110-8	25
1482	Stimuli-responsive hydrogel-silver nanoparticles composite for development of localized surface plasmon resonance-based optical biosensor. <b>2008</b> , 611, 205-11	100
1481	Label-free cell-based assay using localized surface plasmon resonance biosensor. <b>2008</b> , 614, 182-9	65
1480	Detection of chemical molecules with integrated plasmonic glass nanotips. <b>2008</b> , 602, L119-L122	19
1479	Seed-mediated electrochemical growth of gold nanostructures on indium tin oxide thin films. <b>2008</b> , 53, 7838-7844	39
1478	A computational study of the optical response of strongly coupled metal nanoparticle chains. <b>2008</b> , 281, 855-864	22
1477	Confocal white light reflection imaging for characterization of metal nanostructures. <b>2008</b> , 281, 5360-5363	10
1476	Photothermally excited coherent lattice phonon oscillations in plasmonic nanoparticles. 2008, 153, 325-333	14
1475	Colloidal silver nanoplates. State of the art and future challenges. <b>2008</b> , 18, 1724	341
1474	A label-free immunoassay based upon localized surface plasmon resonance of gold nanorods. <b>2008</b> , 2, 687-92	390
1473	Shape- and size-dependent refractive index sensitivity of gold nanoparticles. <b>2008</b> , 24, 5233-7	960
1472	Noble metal nanoparticle pairs: effect of medium for enhanced nanosensing. 2008, 8, 4347-52	233
1471	Surface plasmon nanophotonics: A tutorial. <b>2008</b> , 2, 12-18	23

1470	Localized surface plasmon resonances in aluminum nanodisks. <b>2008</b> , 8, 1461-71	456
1469	Nanomaterials and nanotechnologies in chemical and biochemical sensors: Capabilities and applications. <b>2008</b> , 78, 2521-2531	34
1468	Micro-engineered local field control for high-sensitivity multispectral MRI. 2008, 453, 1058-63	104
1467	Nanomechanical control of an optical antenna. <b>2008</b> , 2, 230-233	148
1466	Probing surface plasmon fields by far-field Raman imaging. <b>2008</b> , 229, 189-96	12
1465	Interaction of Single Molecules With Metallic Nanoparticles. 2008, 14, 1430-1440	44
1464	. <b>2008</b> , 14, 1418-1429	30
1463	Encyclopedia of Microfluidics and Nanofluidics. <b>2008</b> , 1949-1956	O
1462	Enzyme colorimetric assay using unmodified silver nanoparticles. <b>2008</b> , 80, 7051-5	271
1461	Nanoparticle Spectroscopy: Plasmon Coupling in Finite-Sized Two-Dimensional Arrays of Cylindrical Silver Nanoparticles. <b>2008</b> , 112, 4091-4096	44
1460	Gold island films on indium tin oxide for localized surface plasmon sensing. 2008, 19, 195712	67
1459	Chemical sensing and imaging with metallic nanorods. <b>2008</b> , 544-57	460
1458	Detection of gold nanoparticles using an immunoglobulin-coated piezoelectric sensor. <b>2008</b> , 19, 495502	9
1457	Optical sensors based on spectroscopy of localized surface plasmons on metallic nanoparticles: sensitivity considerations. <b>2008</b> , 3, FD4-11	65
1456	Variations in Optical Properties of Silver Nanoparticles. Application in Surface Enhanced Raman Spectroscopy. <b>2008</b> ,	
1455	Synchronized quartz crystal microbalance and nanoplasmonic sensing of biomolecular recognition reactions. <b>2008</b> , 2, 2174-82	52
1454	Hexagonal-close-packed, hierarchical amorphous TiO2 nanocolumn arrays: transferability, enhanced photocatalytic activity, and superamphiphilicity without UV irradiation. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 14755-62	4 305
1453	Tyrosine-assisted preparation of Ag/ZnO nanocomposites with enhanced photocatalytic performance and synergistic antibacterial activities. <b>2008</b> , 19, 445711	157

1452	Collective plasmonic modes in two-dimensional periodic arrays of metal nanoparticles. <b>2008</b> , 78,	44
1451	Metal nanomaterials and carbon nanotubesBynthesis, functionalization and potential applications towards electrochemistry. <b>2008</b> , 18, 1279	154
1450	Encyclopedia of Microfluidics and Nanofluidics. 2008, 1923-1932	
1449	Methods for describing the electromagnetic properties of silver and gold nanoparticles. 2008, 41, 1710-20	397
1448	Optical Properties of Gold Pyramidal Shells. <b>2008</b> , 112, 6662-6666	30
1447	Surface Plasmon Resonance for Biosensing: A Mini-Review. <b>2008</b> , 28, 214-242	278
1446	Ordered Micro/Nanostructured Arrays Based on the Monolayer Colloidal Crystals 2008, 20, 615-624	224
1445	Nanomaterials for Application in Medicine and Biology. 2008,	14
1444	Design of stable and uniform single nanoparticle photonics for in vivo dynamics imaging of nanoenvironments of zebrafish embryonic fluids. <b>2008</b> , 2, 1371-80	93
1443	Encyclopedia of Microfluidics and Nanofluidics. <b>2008</b> , 1939-1945	
1442	Effect of molecular conformations on the adsorption behavior of gold-binding peptides. <b>2008</b> , 24, 12440-5	170
1441	Insights into the early stages of metal nanoparticle formation via first-principle calculations: the roles of citrate and water. <b>2008</b> , 24, 7465-73	45
1440	The Design of a Nanometer Biosensor and Its Microfluidic Integration. 2008,	
1439	Novel Optical Properties and Emerging Applications of Metal Nanostructures 2008, 112, 10323-10337	259
1438	Homogeneous immunoassay based on aggregation of antibody-functionalized gold nanoparticles coupled with light scattering detection. <b>2008</b> , 75, 959-64	44
1437	Effect of surface roughness on the extinction-based localized surface plasmon resonance biosensors. <b>2008</b> , 47, 5886-92	13
1436	Large-scale fabrication of ordered metallic hybrid nanostructures. <b>2008</b> , 16, 11888-93	13
1435	Surface inspection by monitoring spectral shifts of localized plasmon resonances. <b>2008</b> , 16, 12872-9	17

1434	Biocompatible Nanomaterials and Nanodevices Promising for Biomedical Applications. 2008, 1-15	4
1433	Noble metals on the nanoscale: optical and photothermal properties and some applications in imaging, sensing, biology, and medicine. <b>2008</b> , 41, 1578-86	3252
1432	Wires, plates, flowers, needles, and core-shells: diverse nanostructures of gold using polyaniline templates. <b>2008</b> , 24, 4607-14	67
1431	Nanostructured plasmonic sensors. <b>2008</b> , 108, 494-521	1995
1430	Amine-Rich Polyelectrolyte Multilayer Nanoreactors for in Situ Gold Nanoparticle Synthesis. <b>2008</b> , 20, 6756-6763	70
1429	Encyclopedia of Microfluidics and Nanofluidics. 2008, 1797-1797	
1428	How gold nanoparticles have stayed in the light: the 3M's principle. <b>2008</b> , 2, 612-6	56
1427	Polyelectrolyte mediated scalable synthesis of highly stable silver nanocubes in less than a minute using microwave irradiation. <b>2008</b> , 19, 065604	48
1426	Self-similar Chain of Nanocrescents with Giant Electric Field Enhancement as a Novel Plasmonic Resonator. <b>2008</b> ,	
1425	Plasmonic Structures Based on Subwavelength Apertures for Chemical and Biological Sensing Applications. <b>2008</b> , 8, 942-950	73
1424	Localized surface plasmon resonance (LSPR) sensitivity of Au nanodot patterns to probe solvation effects in polyelectrolyte brushes. <b>2008</b> , 3666-8	32
1423	Photostable single-molecule nanoparticle optical biosensors for real-time sensing of single cytokine molecules and their binding reactions. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 17095-40	5 <sup>111</sup>
1422	Stability of Silver Nanoparticles Fabricated by Nanosphere Lithography and Atomic Layer Deposition to Femtosecond Laser Excitation. <b>2008</b> , 112, 5707-5714	34
1421	A new route to obtain high-yield multiple-shaped gold nanoparticles in aqueous solution using microwave irradiation. <b>2008</b> , 47, 6344-52	103
1420	Insight into Chloride Induced Aggregation of DMAP-Monolayer Protected Gold Nanoparticles Using the Thermodynamics of Ideally Polarized Electrodes. <b>2008</b> , 112, 2872-2880	19
1419	Resonance Localized Surface Plasmon Spectroscopy: Sensing Substrate and Inhibitor Binding to Cytochrome P450. <b>2008</b> , 112, 13084-13088	49
1418	Trapeziform Ag Nanosheet Arrays Induced by Electrochemical Deposition on Au-Coated Substrate. <b>2008</b> , 8, 2748-2752	34
1417	Wavelength-Scanned Surface-Enhanced Resonance Raman Excitation Spectroscopy. <b>2008</b> , 112, 19302-19310	69

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1416	Optical Fiber-Excited Surface Plasmon Resonance Spectroscopy of Single and Ensemble Gold Nanorods. <b>2008</b> , 112, 8105-8109	32
1415	Nonlinear optical detection of proteins based on localized surface plasmons in surface immobilized gold nanospheres. <b>2008</b> , 24, 8367-72	8
1414	Reversible Attachment of Nanostructures at Molecular Printboards through Supramolecular Glue. <b>2008</b> , 20, 3574-3578	49
1413	Thin Layer Sensing with Multipolar Plasmonic Resonances. <b>2008</b> , 112, 14355-14359	21
1412	Multiple surface plasmon resonances and near-infrared field enhancement of gold nanowells. <b>2008</b> , 80, 4945-50	40
1411	Label-free plasmonic detection of biomolecular binding by a single gold nanorod. <b>2008</b> , 80, 984-9	250
1410	Investigating TipNanoparticle Interactions in Spatially Correlated Total Internal Reflection Plasmon Spectroscopy and Atomic Force Microscopy. <b>2008</b> , 112, 11696-11701	17
1409	Beads Mill-Assisted Synthesis of Poly Methyl Methacrylate (PMMA)-TiO2Nanoparticle Composites. <b>2008</b> , 47, 2597-2604	69
1408	Fabrication of Two-Dimensional Arrays of Micron-Sized Gold Rings Based on Preferential Nucleation at Reentrant Sites. <b>2008</b> , 25, 2957-2960	2
1407	A Novel Near-field Raman and White Light Imaging System for Nano Photonic and Plasmonic Studies. <b>2008</b> , 1077, 110601	
1406	Metal-based nanorods as molecule-specific contrast agents for reflectance imaging in 3D tissues. <b>2008</b> , 2, 23506	21
1405	Chip-based molecular diagnostics using metal nanoparticles. <b>2008</b> , 2, 813-28	7
1404	Novel bio-nanochip based on localized surface plasmon resonance spectroscopy of rhombic nanoparticles. <b>2008</b> , 3, 669-77	10
1403	New-generation nano-engineered biosensors, enabling nanotechnologies and nanomaterials. <b>2008</b> , 28, 39-45	36
1402	Biosensing with Localized Surface Plasmon Resonance Based on Cap-Shaped Gold Nano-Particles. <b>2008</b> ,	
1401	Effect of near-field coupling on far-field inelastic scattering imaging of gold nanoparticles. <b>2008</b> , 19, 395705	8
1400	Design of Highly Sensitive Surface Plasmon Resonance Sensors Using Planar Metallic Films Closely Coupled to Nanogratings. <b>2008</b> , 25, 148-151	4
1399	High Sensitivity Transmission-Type SPR Sensor by Using MetallicDielectric Mixed Gratings. <b>2008</b> , 25, 1668-1671	22

1398	Functionalized molecules studied by STM: motion, switching and reactivity. 2008, 20, 053001	48
1397	Self-assembly of 2D ordered silver nanoparticle arrays on triblock copolymer templates. 2008,	
1396	Gold nanoparticle patterning by self-assembly and transfer for LSPR based sensing. 2008,	О
1395	Sensitivity and Selectivity Limits of Multiplex NanoSPR Biosensor Assays. 2008, 386-401	
1394	Laser-Induced Deposition of Gold Nanoparticles and Its Applications to Analytical Sciences. <b>2008</b> , 57, 801-810	1
1393	Localized Surface Plasmon Resonance (LSPR) Spectroscopy in Biosensing. 2008,	2
1392	Fabrication of solid immersion lens with gold nanoparticles by surface tension mold technique. <b>2008</b> ,	2
1391	Grating-based nanophotonic structured configurations for biosensing. 2008,	2
1390	Overview of Optical Biosensing Techniques. 2008,	6
1389	The Role of Adsorption Species in the Formation of Ag Nanostructures by a Microwave-Polyol Route. <b>2008</b> , 81, 393-400	19
1388	Nano-Ag on vanadium dioxide. II. Thermal tuning of surface plasmon resonance. <b>2008</b> , 104, 053102	43
1387	Nanotechnology solutions for Alzheimer's disease: advances in research tools, diagnostic methods and therapeutic agents. <b>2008</b> , 13, 199-223	79
1386	Metal nanograil arrays with tunable multiple dipolar plasmon modes in integrated optofluidic devices for ultrasensitive sensing of biomolecules. <b>2008</b> ,	
1385	Biosensing Platforms Based on Localized Surface Plasmons. <b>2008</b> , 36, 134-138	1
1384	A sensitivity study of the localised surface plasmon resonance of high-definition structured silver nanoparticles in solution. <b>2008</b> ,	1
1383	. 2009,	17
1382	Therapeutic Strategies. 293-334	
1381	. 2009,	16

1380 Complementary Analysis of Metallic Templates Fabricated by Nanosphere Lithography. <b>2009</b> , 7	7, 341-348 3
Anisotropic optical properties of silver nanoparticle arrays on rippled dielectric surfaces productions by low-energy ion erosion. <b>2009</b> , 80,	ced 63
Imaging of plasmonic modes of silver nanoparticles using high-resolution cathodoluminescence spectroscopy. <b>2009</b> , 3, 2965-74	98
1377 Growth mechanisms of metal nanoparticles via first principles. <b>2009</b> , 102, 155505	23
1376 Nanosensors. <b>2009</b> , 412-443	1
Plasmonic electromagnetic hot spots temporally addressed by photoinduced molecular displacement. <b>2009</b> , 113, 4647-51	21
1374 Plasmon resonance changes of gold nanoparticle arrays upon modification. <b>2009</b> , 20, 085204	7
Theoretical and experimental development of label-free biosensors based on localized plasmor resonances on nanohole and nanopillar arrays. <b>2009</b> ,	n
Design and fabrication of a micromachined multispectral magnetic resonance imaging agent. <b>20</b> 19, 025020	<b>009</b> , 13
Fabrication of metallic nanodot structures using focused ion beam (FIB) and electron beam-indedeposition for plasmonic waveguides. <b>2009</b> ,	uced 1
1370 Sensoric applications based on plasmonic effects at metal nanoparticles. <b>2009</b> ,	
1369 Fabrication of novel plasmonics-active substrates. <b>2009</b> ,	1
Key Role of Aspect Ratio in Optimising Local Surface Plasmon Sensitivities of Solution Phase Triangular Silver Nanoplates. <b>2009</b> , 1208, 1	
1367 Emerging Technologies in Nanotechnology-Based Pathogen Detection. <b>2009</b> , 31, 137-144	19
1366 Integration Between Template-Based Nanostructured Surfaces and Biosensors. 377-419	1
1365 The Metal Nanoparticle Plasmon Band as a Powerful Tool for Chemo- and Biosensing. 137-176	4
Nanoimprinted Polyethyleneimine: A Multimodal Template for Nanoparticle Assembly and Immobilization. <b>2009</b> , 19, 2937-2942	40
Nanocomposite Films Assembled from Genetically Engineered Filamentous Viruses and Gold 1363 Nanoparticles: Nanoarchitecture- and Humidity-Tunable Surface Plasmon Resonance Spectra. <b>2</b> 21, 1001-1005	2 <b>009,</b> 61

1362	Gold nanorods: from synthesis and properties to biological and biomedical applications. <b>2009</b> , 21, 4880-4910	1473
1361	Silver Nanowire Film: Green Synthesis and Its Surface Enhanced Raman Scattering. <b>2009</b> , 27, 891-894	2
1360	Induction time of silver nanoparticles precipitation: Experiment and modeling. 2009, 44, 953-960	2
1359	Simple extraction-solvothermal synthesis of single-crystalline silver microplates. <b>2009</b> , 44, 857-860	8
1358	Fabrication of Large-Area, Transferable Colloidal Monolayers Utilizing Self-Assembly at the Air/Water Interface. <b>2009</b> , 210, 230-241	153
1357	Silver nanoparticles synthesized by direct photoreduction of metal salts. Application in surface-enhanced Raman spectroscopy. <b>2009</b> , 40, 376-380	83
1356	Nanotechnology applications in pollution sensing and degradation in agriculture: a review. <b>2009</b> , 7, 191-204	214
1355	Self-assembly of a silver nanoparticles modified electrode and its electrocatalysis on neutral red. <b>2009</b> , 164, 149-155	23
1354	A new imaging method for gold-surface adsorbates based on anomalous reflection. <b>2009</b> , 282, 3386-3391	6
1353	Kinetic study on the binding of lectin to mannose residues in a polymer brush. <b>2009</b> , 70, 91-7	32
1352	Dispersion of nanospheres on large glass substrate by amorphous or polycrystalline silicon deposition for localized surface plasmon resonance. <b>2009</b> , 11, 2061-2069	5
1351	Hybridization of localized surface plasmon resonance-based Au-Ag nanoparticles. <b>2009</b> , 11, 579-83	14
1350	Localized surface plasmon resonance biosensor integrated with microfluidic chip. <b>2009</b> , 11, 893-901	72
1349	Coupling-induced excitation of a forbidden surface plasmon mode of a gold nanorod. <b>2009</b> , 52, 1129-1138	9
1348	Preparation of Nanostructured Film Arrays for Transmission Localized Surface Plasmon Sensing. <b>2009</b> , 4, 95-105	40
1347	Influence of Cr Adhesion Layer on Detection of Amyloid-Derived Diffusible Ligands Based on Localized Surface Plasmon Resonance. <b>2009</b> , 4, 135-140	6
1346	Optical Biochip with Multichannels for Detecting BiotinBtreptavidin Based on Localized Surface Plasmon Resonance. <b>2009</b> , 4, 209-216	2
1345	Effect of Gold Coating on Sensitivity of Rhombic Silver Nanostructure Array. <b>2009</b> , 4, 303-306	6

# (2009-2009)

1344	graphite. <b>2009</b> , 94, 11-17	9
1343	Visible transmission through metal-coated colloidal crystals. <b>2009</b> , 97, 225-228	11
1342	Using nanoparticles to push the limits of detection. <b>2009</b> , 1, 237-54	38
1341	Colloidal gold and silver triangular nanoprisms. <b>2009</b> , 5, 646-64	712
1340	Biosensing by densely packed and optically coupled plasmonic particle arrays. 2009, 5, 1889-96	44
1339	Proteins and proteomics: life on the surface. <b>2009</b> , 6, 389-393	33
1338	Tunable optical properties of nano-Au on vanadium dioxide. <b>2009</b> , 282, 896-902	23
1337	Fabrication and characterization of rhombic silver nanoparticles for biosensing. <b>2009</b> , 31, 769-774	40
1336	Electrodeposition of large size gold nanoparticles on indium tin oxide glass and application as refractive index sensor. <b>2009</b> , 11, 1034-1037	51
1335	Sensors and biosensors in support of EU Directives. <b>2009</b> , 28, 170-185	90
1334	Biochemistry nanosensor-based hybrid metallic nanostructures array. <b>2009</b> , 137, 345-349	8
1333	Poly(vinyl alcohol) capped silver nanoparticles as localized surface plasmon resonance-based hydrogen peroxide sensor. <b>2009</b> , 138, 625-630	148
1332	Limitation of a localized surface plasmon resonance sensor for Salmonella detection. 2009, 141, 276-283	35
1331	The mesoscopic effect on label-free biosensors based on localized surface plasmon resonance of immobilized colloidal gold. <b>2009</b> , 143, 349-356	15
1330	AgliO2/HAP/Al2O3 bioceramic composite membrane: Fabrication, characterization and bactericidal activity. <b>2009</b> , 336, 109-117	83
1329	Study of proteingold nanoparticle conjugates by fluorescence and surface-enhanced Raman scattering. <b>2009</b> , 924-926, 196-200	114
1328	LSPR-based nanobiosensors. <b>2009</b> , 4, 244-251	748
1327	Temperature-responsive polymer brush constructed on a colloidal gold monolayer. <b>2009</b> , 331, 343-50	10

1326	Biosensing by optical waveguide spectroscopy based on localized surface plasmon resonance of gold nanoparticles used as a probe or as a label. <b>2009</b> , 335, 140-5	25
1325	Microarray spotting of nanoparticles. <b>2009</b> , 346, 61-65	6
1324	Binary oppositely charged polyelectrolyte brushes for highly selective electroless deposition of bimetallic patterns. <b>2009</b> , 11, 492-495	26
1323	Carbon nanotube-based biosensor for detection of matrix metallopeptidase-9 and S-100B. <b>2009</b> , 9, e270-e273	<b>2</b> <sub>7</sub>
1322	Whole serum BSA antibody screening using a label-free biophotonic nanoparticle array. 2009, 385, 234-41	24
1321	Metal-enhanced fluorescence of tryptophan residues in proteins: application toward label-free bioassays. <b>2009</b> , 385, 358-64	56
1320	Experimental study on effect of different parameters on size and shape of triangular silver nanoparticles prepared by a simple and rapid method in aqueous solution. <b>2009</b> , 2, 47-53	35
1319	Optimizing surface-enhanced Raman scattering by template guided assembling of closely spaced silver nanocluster arrays. <b>2009</b> , 52, 111-114	13
1318	Photochemical precipitation of copper particles on the quartz surface modified with polybutoxytitanium. <b>2009</b> , 79, 2584-2590	
1317	Rational selection of gold nanorod geometry for label-free plasmonic biosensors. <b>2009</b> , 3, 795-806	203
1316	Shape-Dependent Refractive Index Sensitivities of Gold Nanocrystals with the Same Plasmon Resonance Wavelength. <b>2009</b> , 113, 17691-17697	117
1315	Sensitivity of crescent-shaped metal nanoparticles to attachment of dielectric colloids. <b>2009</b> , 9, 2311-5	40
1314	High-yield uniform synthesis and microstructure-determination of rice-shaped silver nanocrystals. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 6068-9	125
1313	The first solid-phase route to fabricate and size-tune gold nanoparticles at room temperature. <b>2009</b> , 19, 8810	32
1312	Supported metal nanoparticles on porous materials. Methods and applications. <b>2009</b> , 38, 481-94	981
1311	Vertically Aligned ZnO Nanorod Arrays Sentisized with Gold Nanoparticles for Schottky Barrier Photovoltaic Cells. <b>2009</b> , 113, 13433-13437	160
1310	Photochemical method of silver deposition on a quartz surface modified by polybutoxytitanium. <b>2009</b> , 79, 711-716	1
1309	Simulating Synthesis of Metal Nanorods, Nanoplates, and Nanoframes by Self-Assembly of Nanoparticle Building Blocks. <b>2009</b> , 113, 3986-3997	8

#### (2009-2009)

1308	Improved localized surface plasmon resonance immunoassay with gold bipyramid substrates. <b>2009</b> , 81, 4450-5	114
1307	Net-like assembly of Au nanoparticles as a highly active substrate for surface-enhanced Raman and infrared spectroscopy. <b>2009</b> , 113, 2467-72	28
1306	Anti-biofouling properties of a telomer brush with pendent glucosylurea groups. <b>2009</b> , 25, 9361-8	14
1305	Fabrication of functional silver nanobowl arrays via sphere lithography. <b>2009</b> , 25, 11216-20	52
1304	Acousto-plasmonic hot spots in metallic nano-objects. <b>2009</b> , 9, 3732-8	32
1303	Electrochemical deposition of silver nanoparticle arrays with tunable density. <b>2009</b> , 25, 55-8	30
1302	Selective attachment of antibodies to the edges of gold nanostructures for enhanced localized surface plasmon resonance biosensing. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 11689-91	84
1301	Photochemical Generation of Catalytically Active Shape Selective Rhodium Nanocubes. <b>2009</b> , 113, 18570-185	7 <b>7</b> 5
1300	High-sensitivity Raman scattering substrate based on Au/La(0.7)Sr(0.3)MnO(3) periodic arrays. <b>2009</b> , 1, 2484-90	11
1299	High-resolution surface plasmon imaging of gold nanoparticles by energy-filtered transmission electron microscopy. <b>2009</b> , 79,	133
1298	Identification of Multipolar Surface Plasmon Resonances in Triangular Silver Nanoprisms with Very High Aspect Ratios Using the DDA Method 2009, 113, 11597-11604	51
1297	Shape-Controlled Catalysis by Cetyltrimethylammonium Bromide Terminated Gold Nanospheres, Nanorods, and Nanoprisms. <b>2009</b> , 113, 5150-5156	147
1296	Localized surface plasmon resonance sensor based on Ag-PVA nanocomposite thin films. <b>2009</b> , 19, 9233	52
1295	Fabrication of sphere-like Au nanoparticles on substrate with laser irradiation and their polarized localized surface plasmon behaviors. <b>2009</b> , 17, 14186-98	32
1294	Light extraction with dielectric nanoantenna arrays. <b>2009</b> , 3, 2715-21	43
1293	Metallic Nanostructures as Localized Plasmon Resonance Enhanced Scattering Probes for Multiplex Dark Field Targeted Imaging of Cancer Cells. <b>2009</b> , 113, 2676-2684	136
1292	Design and electrochemical fabrication of gold binary ordered micro/nanostructured porous arrays via step-by-step colloidal lithography. <b>2009</b> , 25, 2558-62	20
1291	The mechanism behind the selective metal nanoscale etch method for precise metal nanopatterning. <b>2009</b> , 20, 065302	1

1290	Synthesis of Branched Ag Nanoflowers Based on a Bioinspired Technique: Their Surface Enhanced Raman Scattering and Antibacterial Activity. <b>2009</b> , 113, 14753-14758	77
1289	Controlled polyelectrolyte coating of glass-supported metal nanostructures. <b>2009</b> , 25, 1097-102	3
1288	Innovative platform for transmission localized surface plasmon transducers and its application in detecting heavy metal Pd(II). <b>2009</b> , 81, 7703-12	20
1287	Ultrahigh sensitivity made simple: nanoplasmonic label-free biosensing with an extremely low limit-of-detection for bacterial and cancer diagnostics. <b>2009</b> , 20, 434015	126
1286	Benchtop chemistry for the rapid prototyping of label-free biosensors: Transmission localized surface plasmon resonance platforms. <b>2009</b> , 4, 80-5	21
1285	Surface plasmon resonance enhanced magneto-optics (SuPREMO): Faraday rotation enhancement in gold-coated iron oxide nanocrystals. <b>2009</b> , 9, 1644-50	236
1284	Nanoscale control and manipulation of molecular transport in chemical analysis. <b>2009</b> , 2, 279-96	50
1283	Mechanistic Aspects of Shape Selection and Symmetry Breaking during Nanostructure Growth by Wet Chemical Methods 2009, 113, 16866-16883	124
1282	Impedance based electrochemical biosensors. 2009,	2
1281	Simple synthesis and size-dependent surface-enhanced Raman scattering of Ag nanostructures on TiO2 by thermal decomposition of silver nitrate at low temperature. <b>2009</b> , 20, 375605	20
1280	Optical Guided-wave Chemical and Biosensors I. <b>2009</b> ,	7
1279	Electron optical phonon interaction in equilateral triangular quantum dot and quantum wire. <b>2009</b> , 21, 405406	4
1278	Localized surface-plasmon resonances in periodic nondiffracting metallic nanoparticle and nanohole arrays. <b>2009</b> , 79,	103
1277	Facile synthesis of highly ordered mesoporous silver using cubic mesoporous silica template with controlled surface hydrophobicity. <b>2009</b> , 650-2	51
1276	Shape auxiliary approach for carboxylate-functionalized gold nanocrystals. 2009, 1276-8	4
1275	Functional nanomaterial-based amplified bio-detection strategies. <b>2009</b> , 19, 2107	14
1274	Resonant Rayleigh light scattering response of individual Au nanoparticles to antigen-antibody interaction. <b>2009</b> , 9, 1836-9	47
1273	Ionic liquid-facilitated synthesis and catalytic activity of highly dispersed Ag nanoclusters supported on TiO2. <b>2009</b> , 19, 8223	151

# (2010-2009)

1272	spectroscopy. <b>2009</b> , 478, 211-214	13
1271	Nanotechnologies for Water Environment Applications. 2009,	25
1270	An interference localized surface plasmon resonance biosensor based on the photonic structure of Au nanoparticles and SiO2/Si multilayers. <b>2009</b> , 3, 446-52	70
1269	Core-shell triangular bifrustums. <b>2009</b> , 9, 3038-41	80
1268	Performance analysis of extinction-based localized surface plasmon resonance biosensors in the presence of surface roughness. <b>2009</b> ,	1
1267	Hybridization of silver nanoparticles on hydroxyapatite in an aqueous solution. <b>2009</b> , 117, 294-298	7
1266	Gold nanoparticle monolayer formation on a chemically modified glass surface. <b>2009</b> , 25, 241-8	21
1265	Electric Field Tuning of Plasmonic Absorption of Metallic Grating with Twisted Nematic Liquid Crystal. <b>2009</b> , 2, 086001	12
1264	Electrophoretic separation of proteins in capillaries filled with poly(ethylene oxide)-stabilized silver nanoparticles. <b>2009</b> , 25, 333-7	7
1263	Synthesis of Organic Shell <b>I</b> horganic Core Hybrid Nanoparticles by Wet Process and Investigation of Their Advanced Functions. <b>2009</b> , 82, 152-170	15
1262	Analytical Tools for Detecting Amyloid Beta Oligomerisation and Assembly. 2009, 5, 229-245	10
1261	Electron field emission based on plasmon resonance. <b>2010</b> ,	
1260	Synthesis and Characterization of Tunable Rainbow Colored Colloidal Silver Nanoparticles Using Single-Nanoparticle Plasmonic Microscopy and Spectroscopy. <b>2010</b> , 20, 9867-9876	194
1259	Nanohole Arrays in Metal Films as Integrated Chemical Sensors and Biosensors. <b>2010</b> , 155-179	
1258	Two-Dimensional Correlation Localized Surface Plasmon Resonance Spectroscopy for Analysis of the Interaction between Metal Nanoparticles and Bovine Serum Albumin. <b>2010</b> , 114, 20990-20996	14
1257	Ordered nanostructures self-assembled from block copolymer tethered nanoparticles. <b>2010</b> , 4, 4979-88	64
1256	Size and shape dependent second order nonlinear optical properties of nanomaterials and their application in biological and chemical sensing. <b>2010</b> , 110, 5332-65	580
1255	Plasmonic coupling in noble metal nanostructures. <b>2010</b> , 487, 153-164	688

1254	Effect of non-pore-widening on plasmon resonances of silver nanowire arrays in Anodized Aluminum Oxide. <b>2010</b> , 491, 183-186	2
1253	Molecular precursor-mediated tuning of gold mesostructures: Synthesis and SERRS studies. <b>2010</b> , 312, 587-594	8
1252	Improved detection limits of toxic biochemical species based on impedance measurements in electrochemical biosensors. <b>2010</b> , 26, 923-8	37
1251	Direct visualization of molecular scale chemical adsorptions on solids using plasmonic nanoparticle arrays. <b>2010</b> , 150, 667-672	11
1250	Selective synthesis of hexagonal Ag nanoplates in a solution-phase chemical reduction process. <b>2010</b> , 3, 843-851	40
1249	Near-field Coupling Effect between Individual Au Nanospheres and their Supporting SiO2/Si Substrate. <b>2010</b> , 5, 105-109	9
1248	Building Interfacial Nanostructures by Size-Controlled Chemical Etching. <b>2010</b> , 5, 395-403	9
1247	Localized surface plasmon resonance biosensing with large area of gold nanoholes fabricated by nanosphere lithography. <b>2010</b> , 5, 818-22	25
1246	Sensing of protein adsorption with a porous bulk composite comprising silver nanoparticles deposited on hydroxyapatite. <b>2010</b> , 21, 1225-32	14
1245	Ionic liquid assisted one step green synthesis of AuAg bimetallic nanoparticles. 2010, 40, 493-497	27
1244	Precipitation of gold nanoparticles on the quartz surface modified by titanium (IV) butoxide. <b>2010</b> , 12, 1479-1488	3
1243	Photochemical synthesis of shape-selective palladium nanocubes in aqueous solution. <b>2010</b> , 12, 2799-2811	21
1242	Nanoplasmonic-Particle-Enhanced Optical Molecular Sensing. <b>2010</b> , 16, 662-671	9
1241	In situ monitoring of heterogeneous catalytic reactions. <b>2010</b> , 11, 1617-8	31
1240	Highly Stable Au Nanoparticles with Tunable Spacing and Their Potential Application in Surface Plasmon Resonance Biosensors. <b>2010</b> , 20, 78-86	63
1239	Simultaneous and Dual Emissive Imaging by Micro-Contact Printing on the Surface of Electrostatically Assembled Water-Soluble Poly(p-phenylene) Using FRET. <b>2010</b> , 20, 3847-3855	15
1238	Near-Field Lithography by Two-Photon Induced Photocleavage of Organic Monolayers. <b>2010</b> , 20, 4265-4272	34
1237	Large-Scale Highly Ordered Chitosan-Core Au-Shell Nanopatterns with Plasmonic Tunability: A Top-Down Approach to Fabricate CoreBhell Nanostructures. <b>2010</b> , 20, 4273-4278	10

# (2010-2010)

1236	Facile Fabrication of Two-Dimensionally Ordered Macroporous Silver Thin Films and Their Application in Molecular Sensing. <b>2010</b> , 20, 3774-3783	109
1235	An engineered DNA-binding protein self-assembles metallic nanostructures. <b>2010</b> , 11, 2108-12	11
1234	Au nanowire-Au nanoparticles conjugated system which provides micrometer size molecular sensors. <b>2010</b> , 16, 1351-5	29
1233	Self-Assembly of Nanotriangle Superlattices Facilitated by Repulsive Electrostatic Interactions. <b>2010</b> , 122, 6912-6915	9
1232	Size- and Shape-Selective Synthesis of Metal Nanocrystals and Nanowires Using CO as a Reducing Agent. <b>2010</b> , 122, 6292-6295	39
1231	Enhancement of the Photoinduced Oxidation Activity of a Ruthenium(II) Complex Anchored on Silica-Coated Silver Nanoparticles by Localized Surface Plasmon Resonance. <b>2010</b> , 122, 8780-8783	31
1230	Self-assembly of nanotriangle superlattices facilitated by repulsive electrostatic interactions. <b>2010</b> , 49, 6760-3	79
1229	Size- and shape-selective synthesis of metal nanocrystals and nanowires using CO as a reducing agent. <b>2010</b> , 49, 6156-9	181
1228	Enhancement of the photoinduced oxidation activity of a ruthenium(II) complex anchored on silica-coated silver nanoparticles by localized surface plasmon resonance. <b>2010</b> , 49, 8598-601	118
1227	Synthesis and characterization of gallium colloidal nanoparticles. <b>2010</b> , 346, 279-87	83
1226	Sensitivity enhancement of SPR biosensor by improving surface quality of glass slides. <b>2010</b> , 87, 790-792	11
1225	New developments in luminescence for solar energy utilization. <b>2010</b> , 32, 850-856	125
1224	Green analytical chemistry in the determination of organic pollutants in the aquatic environment. <b>2010</b> , 29, 1347-1362	112
1223	Quantitative label-free screening for antibodies using scattering biophotonic microarray imaging. <b>2010</b> , 396, 30-5	16
1222	Human serum albumin interference on plasmon-based immunokinetic assay for antibody screening in model blood sera. <b>2010</b> , 405, 114-20	6
1221	Fabrication of core-shell structured nanoparticle layer substrate for excitation of localized surface plasmon resonance and its optical response for DNA in aqueous conditions. <b>2010</b> , 661, 200-5	23
1220	Ag/Au-decorated Fe3O4/SiO2 composite nanospheres for catalytic applications. <b>2010</b> , 58, 3825-3831	25
1219	Amperometric glucose biosensor based on a triangular silver nanoprisms/chitosan composite film as immobilization matrix. <b>2010</b> , 26, 1098-103	89

1218 The effect of thermal gradients in SERS spectroscopy. <b>2010</b> , 6, 2649-52	38
1217 Nanoparticle layer deposition for plasmonic tuning of microstructured optical fibers. <b>2010</b> , 6, 25	584-9 51
1216 Reusable localized surface plasmon sensors based on ultrastable nanostructures. <b>2010</b> , 6, 104-9	50
$_{1215}$ Ultrasensitive detection and characterization of biomolecules using superchiral fields. <b>2010</b> , 5, 7	783-7 757
1214 Silver Nanoparticles: Sensing and Imaging Applications. <b>2010</b> ,	28
1213 Visual detection of mercury vapor using plasmonic nanoparticle array. <b>2010</b> ,	
Optical Sensing Based on Localized Surface Plasmon Resonance. <b>2010</b> , 447-448, 584-589	
High Refractive Index Dielectric Prepared by Electron Beam Evaporation for Photonic Crystal Optical Biosensor Application. <b>2010</b> , 93-94, 545-548	
Sensing of Protein Adsorption by Composites Consisting of Silver Nanoparticles and Hydroxyapatite. <b>2010</b> , 76, 90-99	
Synthesis of Silver Nanoprisms and Nanodiscs an Applications in Fluorescence Blinking Suppress <b>2010</b> , 57, 528-533	sion.
Coupling of localized surface plasmon modes in compound structure with metallic nanoparticle nanohole arrays. <b>2010</b> , 108, 093520	and 12
1207 Electrostatic plasmon resonances of metal nanospheres in layered geometries. <b>2010</b> , 81,	14
Ability to discern the splitting between longitudinal and transverse plasmon resonances in Au compared to Ag nanoparticles in close-packed planar arrays. <b>2010</b> , 81,	15
Localized surface plasmon resonance effects by naturally occurring Chinese yam particles. <b>2010</b> 1205 108, 123502	7
Approaches to the Synthesis and Characterization of Spherical and Anisotropic Silver Nanomaterials. <b>2010</b> ,	
1203 Synthesis of Gold Nanoparticles Using Mentha arvensis Leaf Extract. <b>2010</b> , 2, P62-P68	22
Picomolar selective detection of mercuric ion (Hg(2+)) using a functionalized single plasmonic g nanoparticle. <b>2010</b> , 21, 145501	old 22
Theoretical Models, Fabrications and Applications of Localized Surface Plasmon Resonance Sensors. <b>2010</b> ,	1

1200	Au nanoparticle based localized surface plasmon resonance substrates fabricated by dynamic shadowing growth. <b>2010</b> , 21, 175303		11
1199	Optical properties of silver/gold nanostructures fabricated by shadowing growth and their sensing applications. <b>2010</b> ,		
1198	Strings of metal half-shells fabricated using colloidal particle monolayer as a template. <b>2010</b> , 26, 11314-8		10
1197	Control of colloid surface chemistry through matrix confinement: facile preparation of stable antibody functionalized silver nanoparticles. <b>2010</b> , 2, 35-40		19
1196	Role of mode coupling on transmission properties of subwavelength composite hole-patch structures. <b>2010</b> , 96, 251102		14
1195	Effects of cell culture media on the dynamic formation of protein-nanoparticle complexes and influence on the cellular response. <b>2010</b> , 4, 7481-91		496
1194	Gas sensing with high-resolution localized surface plasmon resonance spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 17358-9	·4	183
1193	Plasmonic nanoparticle dimers for optical sensing of DNA in complex media. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 9600-1	·4	169
1192	Localized surface plasmon resonance enhanced magneto-optical activity in core-shell FeAg nanoparticles. <b>2010</b> , 107, 09B303		31
1191	Nanomaterial enabled biosensors for pathogen monitoring - a review. <b>2010</b> , 44, 3656-69		208
1190	Plasmonic properties of Fischer's patterns: polarization effects. <b>2010</b> , 12, 6810-6		25
1189	A Facile Method To Obtain Highly Stable Silver Nanoplate Colloids with Desired Surface Plasmon Resonance Wavelengths. <b>2010</b> , 114, 6222-6227		67
1188	Unraveling the Effects of Size, Composition, and Substrate on the Localized Surface Plasmon Resonance Frequencies of Gold and Silver Nanocubes: A Systematic Single-Particle Approach. <b>2010</b> , 114, 12511-12516		263
1187	Tuning the localized surface plasmon resonance of silver nanoplatelet colloids. <b>2010</b> , 43, 335401		9
1186	Synthesis of Stable, Low-Dispersity Copper Nanoparticles and Nanorods and Their Antifungal and Catalytic Properties. <b>2010</b> , 114, 15612-15616		113
1185	Self-aligned nanolithography by selective polymer dissolution. <b>2010</b> , 2, 2302-6		8
1184	FDTD modelling of gold nanoparticle pairs in a nematic liquid crystal cell. <b>2010</b> , 43, 415102		12
1183	Direct Growth of Gold Nanorods on Gold and Indium Tin Oxide Surfaces: Spectral, Electrochemical, and Electrocatalytic Studies. <b>2010</b> , 114, 21114-21122		28

1182	Versatile solution phase triangular silver nanoplates for highly sensitive plasmon resonance sensing. <b>2010</b> , 4, 55-64	129
1181	Purification of gold nanoplates grown directly on surfaces for enhanced localized surface plasmon resonance biosensing. <b>2010</b> , 4, 3633-46	74
1180	Hexagonal Array of Gold Nanotriangles: Modeling the Electric Field Distribution. <b>2010</b> , 114, 19952-19957	13
1179	Surface plasmon enhanced fluorescence of cationic conjugated polymer on periodic nanoarrays. <b>2010</b> , 2, 3153-9	13
1178	Charge-selective Raman scattering and fluorescence quenching by "nanometal on semiconductor" substrates. <b>2010</b> , 10, 3880-7	27
1177	Wavelength tunable surface plasmon resonance-enhanced optical transmission through a chirped diffraction grating. <b>2010</b> , 82, 4988-93	42
1176	Dewetting-Induced Formation of Periodic Dot Arrays of Polymer/Au Composites by Capillary Force Lithography. <b>2010</b> , 22, 4166-4174	13
1175	Time-Resolved Fluorometric Method for One-Step Immunoassays Using Plasmonic Nanostructures. <b>2010</b> , 114, 7236-7241	14
1174	Plasmon field enhancement in silver core-protruded silicon shell nanocylinder illuminated with light at 633 nm. <b>2010</b> , 49, 6295-301	14
1173	Rigiflex lithography-based nanodot arrays for localized surface plasmon resonance biosensors. <b>2010</b> , 26, 6119-26	8
1172	Aging induced Ag nanoparticle rearrangement under ambient atmosphere and consequences for nanoparticle-enhanced DNA biosensing. <b>2010</b> , 82, 8664-70	15
1171	Correlating nanorod structure with experimentally measured and theoretically predicted surface plasmon resonance. <b>2010</b> , 4, 5453-63	86
1170	Size distribution and particle shape in silver colloids prepared by laser ablation in water. <b>2010</b> , 165, 579-583	7
1169	Interface effects in plasmon-enhanced second-harmonic generation from self-assembled multilayer films. <b>2010</b> , 27, 92	5
1168	Development of Nanostructured Plasmonic Substrates for Enhanced Optical Biosensing. <b>2010</b> , 14, 65-76	34
1167	Nanophotonic and Subwavelength Structures for Sensing and Biosensing. <b>2010</b> , 73-106	3
1166	Surface-enhanced Raman spectroscopy for facile DNA detection using gold nanoparticle aggregates formed via photoligation. <b>2010</b> , 135, 595-602	35
1165	Size-Controlled and Size-Designed Synthesis of Nano/Submicrometer Ag Particles. <b>2010</b> , 10, 3378-3386	69

## (2010-2010)

1164	Confined bulklike longitudinal optical phonon modes in right triangular quantum dots and quantum wires. <b>2010</b> , 22, 025403	5
1163	Methodologies for Developing Surface-Enhanced Raman Scattering (SERS) Substrates for Detection of Chemical and Biological Molecules. <b>2010</b> , 10, 608-616	26
1162	Cavity-enhanced localized plasmon resonance sensing. <b>2010</b> , 97, 253116	208
1161	Formation process of self-assembled monolayer on gold nanosphere probed by second harmonic generation. <b>2010</b> , 26, 14543-7	6
1160	Conjugated Polymer Fluorescence Probe for Intracellular Imaging of Magnetic Nanoparticles. <b>2010</b> , 43, 10348-10354	41
1159	Correlation and Characterization of 3D Morphological Dependent Localized Surface Plasmon Resonance Spectra of Single Silver Nanoparticles Using Dark-field Optical Microscopy and Spectroscopy and AFM. <b>2010</b> , 114, 74-81	41
1158	Effects of Coherent Interactions on the Sensing Characteristics of Near-Infrared Gold Nanorings. <b>2010</b> , 114, 15243-15250	46
1157	Detection of the most common corneal dystrophies caused by BIGH3 gene point mutations using a multispot gold-capped nanoparticle array chip. <b>2010</b> , 82, 1349-57	22
1156	Silanization of Ag-deposited magnetite particles: an efficient route to fabricate magnetic nanoparticle-based Raman barcode materials. <b>2010</b> , 2, 1872-8	41
1155	Composite au nanostructures for fluorescence studies in visible light. <b>2010</b> , 10, 874-9	30
1154	Probing the plasmonic near-field of gold nanocrescent antennas. <b>2010</b> , 4, 6639-50	113
1153	Optical trapping and sensing with plasmonic dipole antennas. 2010,	3
1152	FDTD Modeling of Gold Nanoparticles in a Nematic Liquid Crystal: Quantitative and Qualitative Analysis of the Spectral Tunability. <b>2010</b> , 114, 9541-9545	25
1151	Metal-organic framework thin film for enhanced localized surface plasmon resonance gas sensing. <b>2010</b> , 82, 8042-6	279
1150	Tunable surface-plasmon-resonance wavelength of silver island films. <b>2010</b> , 19, 117310	14
1149	Full Color Plasmonic Nanostructured Surfaces and Their Sensor Applications. <b>2010</b> , 114, 19908-19912	13
1148	Oxidative chemical vapor deposition (oCVD) of patterned and functional grafted conducting polymer nanostructures. <b>2010</b> , 20, 3968	35
1147	Photochemical induced growth and aggregation of metal nanoparticles in diode-array spectrophotometer via excited dimethyl-sulfoxide. <b>2010</b> , 12, 12862-7	7

1146 Effect of gold-coating on the plasmon properties of silver nanostructure arrays. 2010,

1145	A new optical label-free biosensing platform based on a metal-insulator-metal structure. <b>2010</b> , 26, 6053-7	16
1144	Optical Properties and Immunoassay Applications of Noble Metal Nanoparticles. <b>2010</b> , 2010, 1-12	3
1143	Specific Protein Detection in Multiprotein Coexisting Environment by Using LSPR Biosensor. <b>2010</b> , 9, 554-557	6
1142	Evolution of gold nanoparticles through Catalan, Archimedean, and Platonic solids. <b>2010</b> , 12, 116-121	44
1141	A permanent optical storage medium exhibiting ultrahigh contrast, superior stability, and a broad working wavelength regime. <b>2011</b> , 13, 5747-52	3
1140	Localized surface plasmon resonance interfaces coated with poly[3-(pyrrolyl)carboxylic acid] for histidine-tagged peptide sensing. <b>2011</b> , 136, 4211-6	5
1139	Regio-selective decoration of nanocavity metal arrays: contributions from localized and delocalized plasmons to surface enhanced Raman spectroscopy. <b>2011</b> , 13, 14705-14	18
1138	Fabrication of hollow cubic Ag microboxes with net-like nanofiber structures and their surface plasmon resonance. <b>2011</b> , 13, 204-211	7
1137	Improved thermal stability of Au nanorods by use of photosensitive layered titanates for gas sensing applications. <b>2011</b> , 21, 13074	17
1136	Refractive Index Sensitivities of Noble Metal Nanocrystals: The Effects of Multipolar Plasmon Resonances and the Metal Type. <b>2011</b> , 115, 7997-8004	103
1135	Laser stimulated electron field emission at the plasmon-resonant wavelength. 2011,	2
1134	Reorganization Induced by Silver Salt Reduction Inside a Mesostructured Block Copolymer Silica Film. <b>2011</b> , 115, 25201-25208	6
1133	Bifunctional Surfaces with Superhydrophobic and Plasmonic Properties. <b>2011</b> , 115, 10544-10549	5
1132	A conformation- and ion-sensitive plasmonic biosensor. <b>2011</b> , 11, 1098-105	95
1131	High Sensitivity Surface-Enhanced Raman Scattering in Solution Using Engineered Silver Nanosphere Dimers. <b>2011</b> , 115, 15900-15907	20
1130	Improved Biosensing Capability with Novel Suspended Nanodisks. <b>2011</b> , 115, 5344-5351	72
1129	Effect of the dielectric properties of substrates on the scattering patterns of gold nanorods. <b>2011</b> , 5, 4865-77	80

1128	Fabrication of 3D metal dot arrays by geometrically structured dynamic shadowing lithography. <b>2011</b> , 27, 13806-12	11
1127	Thin gold film-assisted fluorescence spectroscopy for biomolecule sensing. <b>2011</b> , 83, 7451-6	14
1126	Plasmonic Spheroidal Metal Nanoshells Showing Larger Tunability and Stronger Near Fields Than Their Spherical Counterparts: An Effect of Enhanced Plasmon Coupling. <b>2011</b> , 2, 374-378	19
1125	Validation of arrayed imaging reflectometry biosensor response for protein-antibody interactions: cross-correlation of theory, experiment, and complementary techniques. <b>2011</b> , 83, 3750-7	17
1124	Effect of Protein Binding Coverage, Location, and Distance on the Localized Surface Plasmon Resonance Response of Purified Au Nanoplates Grown Directly on Surfaces. <b>2011</b> , 115, 7364-7371	36
1123	Au nanoparticle monolayers covered with sol-gel oxide thin films: optical and morphological study. <b>2011</b> , 27, 13739-47	26
1122	Proposed Substrates for Reproducible Surface-Enhanced Raman Scattering Detection. <b>2011</b> , 115, 4523-4532	8
1121	Intensification of surface enhanced Raman scattering of thiol-containing molecules using Ag@Au core@shell nanoparticles. <b>2011</b> , 109, 094301	25
1120	Diffraction-based tracking of surface plasmon resonance enhanced transmission through a gold-coated grating. <b>2011</b> , 83, 6047-53	30
1119	Synthesis of water soluble silver-nanoparticle-embedded polymer nanofibers with poly(2-ethyl-2-oxazoline) by a straightforward polyol process. <b>2011</b> , 26, 1614-1620	2
1118	Improved Sensitivity of Localized Surface Plasmon Resonance Transducers Using Reflection Measurements. <b>2011</b> , 2, 1223-6	28
1117	Stabilization of gold nanoparticle films on glass by thermal embedding. <b>2011</b> , 3, 978-87	66
1116	Use of thermally annealed multilayer gold nanoparticle films in combination analysis of localized surface plasmon resonance sensing and MALDI mass spectrometry. <b>2011</b> , 136, 1167-76	22
1115	Noble Metal Nanoparticles: Synthesis and Optical Properties. <b>2011</b> , 375-435	26
1114	Nanostructures and Surface-Enhanced Raman Spectroscopy. <b>2011</b> , 263-301	43
1113	Highly sensitive biosensing using arrays of plasmonic Au nanodisks realized by nanoimprint lithography. <b>2011</b> , 5, 897-904	218
1112	Reversible tuning of plasmon coupling in gold nanoparticle chains using ultrathin responsive polymer film. <b>2011</b> , 3, 945-51	38
1111	Design and development of quantum dots and other nanoparticles based cellular imaging probe. <b>2011</b> , 13, 385-96	67

1110 Metallic nanodot arrays by stencil lithography for plasmonic biosensing applications. <b>2011</b> , 5, 844-53	75
Plasmonic Enhancement of Raman Scattering from the Organic Solar Cell Material P3HT/PCBM by Triangular Silver Nanoprisms. <b>2011</b> , 115, 20788-20794	60
1108 Plasmonics and enhanced magneto-optics in core-shell co-ag nanoparticles. <b>2011</b> , 11, 1237-40	187
1107 Hybrid plasmon damping chemical sensor. <b>2011</b> ,	
1106 Description and characterization of the complex modes in a linear chain of gold nanospheres. <b>2011</b> ,	2
1105 Bio-Mediated Assembly of Ordered Nanoparticle Superstructures. <b>2011</b> , 69-103	
1104 Nanostructured Substrates for Optical Sensing. <b>2011</b> , 2, 2934-2944	29
Micro-array versus nano-array platforms: a comparative study for ODN detection based on SPR enhanced ellipsometry. <b>2011</b> , 22, 165501	2
1102 Identification of single nanoparticles. <b>2011</b> , 3, 31-44	29
Development of cholesterol biosensor with high sensitivity using dual-enzyme immobilization into the mesoporous silica materials. <b>2011</b> , 258, 1725-1732	15
1100 Engineering nanosilver as an antibacterial, biosensor and bioimaging material. <b>2011</b> , 1, 3-10	133
1099 Advances in localized surface plasmon resonance spectroscopy biosensing. <b>2011</b> , 6, 1447-62	114
1098 LSPR Biosensor Signal Enhancement Using Nanoparticle-Antibody Conjugates. <b>2011</b> , 115, 1410-1414	175
Tuning of localized surface plasmon resonance of well-ordered Ag/Au bimetallic nanodot arrays by laser interference lithography and thermal annealing. <b>2011</b> , 50, G74-9	22
1096 Supramolecular functionalization of electron-beam generated nanostructures. <b>2011</b> , 27, 1543-5	15
1095 Narrow groove plasmonic nano-gratings for surface plasmon resonance sensing. <b>2011</b> , 19, 787-813	79
1094 Plasmonic properties of gold ring-disk nano-resonators: fine shape details matter. <b>2011</b> , 19, 5587-95	32
Extraordinarily high spectral sensitivity in refractive index sensors using multiple optical modes.  2011, 19, 10029-40	56

## (2011-2011)

Surface and magnetic polaritons on two-dimensional nanoslab-aligned multilayer structure. <b>2011</b> , 19, 16375-89	16
1091 Complex bound and leaky modes in chains of plasmonic nanospheres. <b>2011</b> , 19, 18345-63	40
1090 Nano-plasmonic biosensors: A review. <b>2011</b> ,	8
1089 Nanomaterials based biosensors for food analysis applications. <b>2011</b> , 22, 625-639	187
A new method for non-labeling attomolar detection of diseases based on an individual gold nanorod immunosensor. <b>2011</b> , 11, 2591-7	66
Direct growth of highly branched crystalline Au nanostructures on an electrode surface: their surface enhanced Raman scattering and electrocatalytic applications. <b>2011</b> , 21, 18271	18
1086 Porous Silicon-based Electrochemical Biosensors. <b>2011</b> ,	4
1085 Nanostructures in biosensora review. <b>2011</b> , 16, 997-1023	37
1084 SILVER nano-cylinders designed by EBL used as label free LSPR nano-biosensors. <b>2011</b> ,	
Preparation of Electrically Conductive Film from Silver Nanocolloid Synthesized by Reduction of SilverIII biolate. <b>2011</b> , 40, 1260-1261	
1082 Application of Biosensors for Environmental Analysis. <b>2011</b> , 413-438	
1081 Trace Level Sulfur Sensor for Fuel Cells. <b>2011</b> ,	
1080 Salivary Sensors for Quantification of Stress Response Biomarker. <b>2011</b> , 79, 442-446	4
Application of silver nanoparticles and principal component-artificial neural network models for simultaneous determination of levodopa and benserazide hydrochloride by a kinetic spectrophotometric method. <b>2011</b> , 82, 25-30	28
Solution-phase synthesis of silver nanodiscs in HPMC-matrix and simulation of UV-vis extinction spectra using DDA based method. <b>2011</b> , 82, 368-74	6
A photoluminescence-based quantum semiconductor biosensor for rapid in situ detection of Escherichia coli. <b>2011</b> , 160, 46-51	32
Fabrication and characterisation of nanostructured thin films of Ag synthesised using condensation on ion centres in gas. <b>2011</b> , 6, 955	4
Effects of receptor thickness on localised surface plasmon resonance sensing performance. <b>2011</b> , 6, 863	3

1074	Sensitive and molecular size-selective detection of proteins using a chip-based and heteroliganded gold nanoisland by localized surface plasmon resonance spectroscopy. <b>2011</b> , 6, 336	9
1073	Detection of dopamine in non-treated urine samples using glassy carbon electrodes modified with PAMAM dendrimer-Pt composites. <b>2011</b> , 56, 7712-7717	17
1072	Efficient Pattern Detection for Embedded Optical Bio-sensing System. 2011,	
1071	. <b>2011</b> , 11, 361-369	45
1070	Sensitivity and optimization of localized surface plasmon resonance transducers. <b>2011</b> , 5, 748-60	124
1069	A Fiber Optic Particle Plasmon Resonance Biosensing Platform Based on Detection of Light Scattering Intensity from the Proximal End. <b>2011</b> , 58, 786-792	3
1068	Chapter 9:Green Analytical Chemistry in the Determination of Organic Pollutants in the Environment. <b>2011</b> , 224-285	О
1067	A Novel Method to Improve Crystallinity of Supported Nanoparticles Using Low Melting Point Metals. <b>2011</b> , 115, 14591-14597	12
1066	Miniaturized lensless imaging systems for cell and microorganism visualization in point-of-care testing. <b>2011</b> , 6, 138-49	72
1065	A gold nanorod based colorimetric probe for the rapid and selective detection of Cu2+ ions. <b>2011</b> , 136, 3904-10	86
1064	PREPARATION AND SURFACE PLASMON RESONANCE OF COPPER NANOCAP ARRAYS. <b>2011</b> , 25, 599-604	1
1063	Nucleoside-assisted self-assembly of oligo(p-phenylenevinylene)s at liquid/solid interface: chirality and nanostructures. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 17764-71	45
1062	Localized surface plasmon resonance sensors. <b>2011</b> , 111, 3828-57	2692
1061	Templated techniques for the synthesis and assembly of plasmonic nanostructures. <b>2011</b> , 111, 3736-827	981
1060	Surface enhanced optical spectroscopies for bioanalysis. <b>2011</b> , 136, 3831-53	104
1059	Ammonia sensing by hydrochloric acid doped poly(m-aminophenol)Bilver nanocomposite. <b>2011</b> , 46, 2905-2913	12
1058	Preparation of nano and microcrystals of silver using titania xerogel matrix as template. <b>2011</b> , 59, 19-24	6
1057	Thermo- and pH-responsive hydrogel-coated gold nanoparticles prepared from rationally designed surface-confined initiators. <b>2011</b> , 13, 2909-2918	14

1056	A Comparative Study of Diamine-Modified and Amine-Modified Silica Nanoparticles as Pseudo-Stationary Phases for CE Separation. <b>2011</b> , 73, 507-515	6
1055	Metallic nanostructures in a polymer matrix and substrate fabrication and structural characterization. <b>2011</b> , 103, 1117-1123	
1054	Recent developments and applications of hybrid surface plasmon resonance interfaces in optical sensing. <b>2011</b> , 399, 91-101	12
1053	A label-free sensing method for phosphopeptides using two-layer gold nanoparticle-based localized surface plasma resonance spectroscopy. <b>2011</b> , 399, 1173-80	13
1052	Nanoparticles for the development of improved (bio)sensing systems. <b>2011</b> , 399, 1577-90	8o
1051	Gold nanoparticle-coated biomaterial as SERS micro-probes. <b>2011</b> , 34, 417-422	3
1050	Synthesis of copper nanoparticles in polycarbonate by ion implantation. <b>2011</b> , 34, 645-649	11
1049	A Localized Surface Plasmon Resonance Biosensor Based on Integrated Controllable Au2S/AuAgS-Coated Gold Nanorods Composite. <b>2011</b> , 6, 1-9	11
1048	Plasma-Assisted Deposition of Au/SiO2 Multi-layers as Surface Plasmon Resonance-Based Red-Colored Coatings. <b>2011</b> , 6, 255-260	12
1047	Scaling of Surface Plasmon Resonances in Triangular Silver Nanoplate Sols for Enhanced Refractive Index Sensing. <b>2011</b> , 6, 351-362	19
1046	Detection and quantification of poliovirus infection using FTIR spectroscopy and cell culture. <b>2011</b> , 5, 16	23
1045	Optical detection of protein in complex media with plasmonic nanoparticle dimers. <b>2011</b> , 7, 1993-7	37
1044	Probing the electromagnetic field distribution within a metallic nanodisk. <b>2011</b> , 7, 3317-23	38
1043	Nanodevices in diagnostics. <b>2011</b> , 3, 11-32	51
1042	Sensitivity-enhancement methods for surface plasmon sensors. <b>2011</b> , 5, 571-606	290
1041	A Convenient Method to Produce Close- and Non-close-Packed Monolayers using Direct Assembly at the AirWater Interface and Subsequent Plasma-Induced Size Reduction. <b>2011</b> , 212, 1719-1734	197
1040	Direct Writing of Metal Nanoparticles by Localized Plasma Electrochemical Reduction of Metal Cations in Polymer Films. <b>2011</b> , 21, 2155-2161	64
1039	Preparation of silica-based nanoparticle having surface-bound octanoyl-aminopropyl moieties and its applications for the capillary electrochromatography separation of charged and neutral compounds. <b>2011</b> , 32, 1357-63	6

1038	Single pot synthesis of polyaniline protected silver nanoparticles by interfacial polymerization and study its application on electrochemical oxidation of hydrazine. <b>2011</b> , 377, 28-34	53
1037	Integration of fiber optic-particle plasmon resonance biosensor with microfluidic chip. <b>2011</b> , 697, 75-82	47
1036	Study of electrical field distribution of gold-capped nanoparticle for excitation of localized surface plasmon resonance. <b>2011</b> , 257, 2560-2566	15
1035	Computational surface chemistry of glycine on Si(111)7 and Si(100)2 Dissociative adsorption through adduct formation. <b>2011</b> , 508, 219-223	4
1034	Shape-selective formation and characterization of catalytically active iridium nanoparticles. <b>2011</b> , 354, 597-606	61
1033	SERS based optical sensor to detect prion protein in neurodegenerate living cells. <b>2011</b> , 156, 479-485	13
1032	Particle lithography with vapor deposition of organosilanes: A molecular toolkit for studying confined surface reactions in nanoscale liquid volumes. <b>2011</b> , 519, 5223-5229	17
1031	Electrochemical synthesis of gold nanoparticles onto indium tin oxide glass and application in biosensors. <b>2011</b> , 519, 6605-6609	31
1030	Second harmonic generation from hemicyanine self-assembled monolayer on near-hemispherical gold nanoparticles. <b>2011</b> , 44, 425301	4
1029	Morphology of thin nanocomposite films of asymmetric diblock copolymer and magnetite nanoparticles. <b>2011</b> , 23, 254215	10
1028	LINEAR AND PLANAR PERIODIC ARRAYS OF METALLIC NANOSPHERES: FABRICATION, OPTICAL PROPERTIES AND APPLICATIONS. <b>2011</b> , 141-194	О
1027	Electron field emission from a gold tip under laser irradiation at the plasmon-resonant wavelength. <b>2011</b> , 29, 02B103	7
1026	Metastable state nanoparticle-enhanced Raman spectroscopy for highly sensitive detection. <b>2011</b> , 47, 3583-5	63
1025	Fabrication of two-dimensional close-packed shell structure in ceramic thin films. <b>2011</b> , 12, 034405	3
1024	Metal split-cylinder resonators for plasmonic nanosensing. <b>2011</b> , 13, 095001	4
1023	A long-range surface plasmon-polariton waveguide ring resonator as a platform for (bio)sensor applications. <b>2011</b> , 13, 115001	11
1022	Patterned self-assembly of gold nanoparticles on chemical templates fabricated by soft UV nanoimprint lithography. <b>2011</b> , 22, 295301	30
1021	Numerical study on the localized surface plasmon resonance of cone-shaped nanoparticles. <b>2011</b> , 58, 1579-1584	

1020	Ethanol vapor sensing properties of triangular silver nanostructures based on localized surface plasmon resonance. <b>2011</b> , 11, 8643-53	35
1019	Cytotoxicity Effects of Amoora rohituka and chittagonga on Breast and Pancreatic Cancer Cells. <b>2011</b> , 2011, 860605	20
1018	Sub-micron particle based structures as reconfigurable photonic devices controllable by external photonic and magnetic fields. <b>2011</b> , 11, 2740-50	7
1017	Nanobiosensors Based on Localized Surface Plasmon Resonance for Biomarker Detection. <b>2012</b> , 2012, 1-13	64
1016	Nanofabricated plasmonic nano-bio hybrid structures in biomedical detection. <b>2012</b> , 1, 213-233	18
1015	Topical Review: Design, Fabrication, and Applications of Hybrid Nanostructured Array. <b>2012</b> , 2012, 1-8	1
1014	Strong magnetic resonance of coupled aluminum nanodisks on top of a silicon waveguide. <b>2012</b> ,	6
1013	X-shaped quasi-3D plasmonic nanostructure arrays for enhancing electric field and Raman scattering. <b>2012</b> , 23, 405201	16
1012	Investigation on localized surface plasmon resonance of different nano-particles for biosensor applications. <b>2012</b> ,	1
1011	Development of LSPR and SPR sensor for the detection of an anti-cancer drug for chemotherapy. <b>2012</b> ,	2
1010	Effect of quenched size polydispersity on the ordering transitions of hard polyhedral particles. <b>2012</b> , 137, 024905	25
1009	A simple model for the resonance shift of localized plasmons due to dielectric particle adhesion. <b>2012</b> , 20, 524-33	24
1008	Polarizability of nanowires at surfaces: exact solution for general geometry. <b>2012</b> , 20, 3663-74	3
1007	Optimized plasmonic nanostructures for improved sensing activities. <b>2012</b> , 20, 21278-90	32
1006	Selectively probing vibrations in a plasmonic supracrystal. <b>2012</b> , 101, 101903	17
1005	The role of cold sonicated development scenarios for achieving ultradense and high aspect ratio for optical metamaterial applications. <b>2012</b> ,	
1004	Electron beam lithography designed silver nano-disks used as label free nano-biosensors based on localized surface plasmon resonance. <b>2012</b> , 20, 2587-97	62
1003	Nanomaterial-based Environmental Sensors. <b>2012</b> , 561-619	1

1002	Simulated Optical Properties of Gold Nanocubes and Nanobars by Discrete Dipole Approximation. <b>2012</b> , 2012, 1-9	8
1001	Biointegrated flexible inorganic light emitting diodes. <b>2012</b> , 5	6
1000	High Throughput Method to Fabricate Ordered Nano Dot Array on Various Plastic Films. <b>2012</b> , 523-524, 633-638	6
999	Synthesis and characterisation of magnetic Fe2O3/Au core/shell nanoparticles for biomedical applications. <b>2012</b> , 5, 279	1
998	Lithographied nanostructures as nanosensors. <b>2012</b> , 6, 064506-1	43
997	Fabrication of Ordered Nanopattern Structures Using Two-Dimensional Colloidal Monolayers. <b>2012</b> , 391-406	
996	Fabrication of Nanoengineered Metallic Structures and Their Application to Nonlinear Photochemical Reactions. <b>2012</b> , 85, 843-853	7
995	Fabrication of Precise Asymmetric Nanoshells Array with Nanogaps for a Label-Free Immunoassay Based on NIR-Light Responsive LSPR. <b>2012</b> , 523-524, 680-685	
994	Manipulation of the Electronic Properties of Gold and Silver CoreBhell Nanoparticles. 2012, 327-358	
993	Functional Nanoparticle-Based Bioelectronic Devices. <b>2012</b> , 145-180	1
993 992	Plasmonic Nanosensors: Review and Prospect. <b>2012</b> , 18, 1110-1121	73
992	Plasmonic Nanosensors: Review and Prospect. <b>2012</b> , 18, 1110-1121  Engineering Through Mode Shaping and Lithographical Nanofabrication of Ultrasensitive	
992 991	Plasmonic Nanosensors: Review and Prospect. 2012, 18, 1110-1121  Engineering Through Mode Shaping and Lithographical Nanofabrication of Ultrasensitive Nano-plasmonic Sensors for Molecular Detection. 2012, 267-287  Improved localized surface plasmon resonance biosensing sensitivity based on	73
992 991 990	Plasmonic Nanosensors: Review and Prospect. 2012, 18, 1110-1121  Engineering Through Mode Shaping and Lithographical Nanofabrication of Ultrasensitive Nano-plasmonic Sensors for Molecular Detection. 2012, 267-287  Improved localized surface plasmon resonance biosensing sensitivity based on chemically-synthesized gold nanoprisms as plasmonic transducers. 2012, 22, 923-931  Localized Surface Plasmon Resonance (LSPR) Transducers Based on Random Evaporated Gold	73 57
992 991 990 989	Plasmonic Nanosensors: Review and Prospect. 2012, 18, 1110-1121  Engineering Through Mode Shaping and Lithographical Nanofabrication of Ultrasensitive Nano-plasmonic Sensors for Molecular Detection. 2012, 267-287  Improved localized surface plasmon resonance biosensing sensitivity based on chemically-synthesized gold nanoprisms as plasmonic transducers. 2012, 22, 923-931  Localized Surface Plasmon Resonance (LSPR) Transducers Based on Random Evaporated Gold Island Films: Properties and Sensing Applications. 2012, 333-368  Sensing colorimetric approaches based on gold and silver nanoparticles aggregation: chemical	73 57 7
992 991 990 989 988	Plasmonic Nanosensors: Review and Prospect. 2012, 18, 1110-1121  Engineering Through Mode Shaping and Lithographical Nanofabrication of Ultrasensitive Nano-plasmonic Sensors for Molecular Detection. 2012, 267-287  Improved localized surface plasmon resonance biosensing sensitivity based on chemically-synthesized gold nanoprisms as plasmonic transducers. 2012, 22, 923-931  Localized Surface Plasmon Resonance (LSPR) Transducers Based on Random Evaporated Gold Island Films: Properties and Sensing Applications. 2012, 333-368  Sensing colorimetric approaches based on gold and silver nanoparticles aggregation: chemical creativity behind the assay. A review. 2012, 751, 24-43	73 57 7 454

### (2012-2012)

984	MoO(3-x)-based hybrids with tunable localized surface plasmon resonances: chemical oxidation driving transformation from ultrathin nanosheets to nanotubes. <b>2012</b> , 18, 15283-7	159
983	Spectroscopic and coarse-grained simulation studies of the BSA and HSA protein adsorption on silver nanoparticles. <b>2012</b> , 14, 1	39
982	Modeling of enhanced absorption and Raman scattering caused by plasmonic nanoparticle near fields. <b>2012</b> , 113, 2573-2584	12
981	On the hybrid glassy carbon electrode/OligoThiophene/Ag(NP) interface. <b>2012</b> , 28, 15505-12	6
980	Enhancement of WO3 Performance through Resonance Coupling with Ag Nanoparticles. <b>2012</b> , 22, 137-146	4
979	Facile synthesis of glassBilver nanodisk coreBhell composite hollow spheres. <b>2012</b> , 2, 5058	3
978	Real-time monitoring of the aging of single plasmonic copper nanoparticles. 2012, 48, 1511-3	40
977	Structural characterization of FeCo alloy nanoparticles embedded in SBA-16 and their catalytic application for carbon nanotubes production. <b>2012</b> , 2, 7886	6
976	Bioplasmonic paper as a platform for detection of kidney cancer biomarkers. <b>2012</b> , 84, 9928-34	86
975	Real-time sensing and discrimination of single chemicals using the channel of phi29 DNA packaging nanomotor. <b>2012</b> , 6, 3251-61	68
974	Domain specific association of small fluorescent probe trans-3-(4-monomethylaminophenyl)-acrylonitrile (MMAPA) with bovine serum albumin (BSA) and its dissociation from protein binding sites by Ag nanoparticles: spectroscopic and molecular	54
973	docking study. <b>2012</b> , 116, 1155-63  Facile size-tunable fabrication of functional tin dioxide nanostructures by multiple size reduction lithography. <b>2012</b> , 4, 2507-14	10
972	Designing Efficient Localized Surface Plasmon Resonance-Based Sensing Platforms: Optimization of Sensor Response by Controlling the Edge Length of Gold Nanoprisms. <b>2012</b> , 116, 20990-21000	48
971	One-Pot Synthesis of Monodispersed Silver Nanodecahedra with Optimal SERS Activities Using Seedless Photo-Assisted Citrate Reduction Method. <b>2012</b> , 116, 24292-24300	51
970	Electrochemical surface plasmon resonance measurement based on gold nanohole array fabricated by nanoimprinting technique. <b>2012</b> , 84, 3187-91	44
969	A new methodology for quantitative LSPR biosensing and imaging. <b>2012</b> , 84, 1367-73	39
968	High-resolution resistless nanopatterning on polymer and flexible substrates for plasmonic biosensing using stencil masks. <b>2012</b> , 6, 5474-81	53
967	A new semi-quantitative scratch-test method to assess the adhesion of gold nanoparticles on glass for ultrasensitive chemical and biochemical sensors. <b>2012</b> , 67, 515-518	2

966	Development of label-free optical diagnosis for sensitive detection of influenza virus with genetically engineered fusion protein. <b>2012</b> , 89, 246-52	58
965	Dense two-dimensional silver single and double nanoparticle arrays with plasmonic response in wide spectral range. <b>2012</b> , 28, 9071-81	5
964	Graphene-enabled silver nanoantenna sensors. <b>2012</b> , 12, 4090-4	147
963	Nano-structured arrays for multiplex analyses and Lab-on-a-Chip applications. <b>2012</b> , 419, 316-20	20
962	Gold nanoparticles modified with coordination compounds of metals: synthesis and application. <b>2012</b> , 81, 65-90	28
961	Fabrication of antibacterial silver nanoparticleBodium alginateBhitosan composite films. <b>2012</b> , 2, 5837	147
960	Surface Hydrogenation and Optics of a Graphene Sheet Transferred onto a Plasmonic Nanoarray. <b>2012</b> , 116, 3882-3887	48
959	LSPR Imaging of Silver Triangular Nanoprisms: Correlating Scattering with Structure Using Electrodynamics for Plasmon Lifetime Analysis. <b>2012</b> , 116, 393-403	82
958	An Introduction to Plasmonic Refractive Index Sensing. <b>2012</b> , 1-26	2
957	Exploring the Unique Characteristics of LSPR Biosensing. <b>2012</b> , 29-58	4
956	Individual Plasmonic Nanostructures as Label Free Biosensors. <b>2012</b> , 105-126	
955	Six-rayed star-like nanostructures in prospective plasmonic devices. <b>2012</b> , 48, 1668-70	3
954	Metal Nanoparticles in Biomedical Applications. <b>2012</b> , 477-519	3
953	Fast self-assembly kinetics of alkanethiols on gold nanoparticles: simulation and characterization by localized surface plasmon resonance spectroscopy. <b>2012</b> ,	1
952	Gold nanorods as plasmonic nanotransducers: distance-dependent refractive index sensitivity. <b>2012</b> , 28, 17435-42	96
951	Distinctive Enhanced and Tunable Plasmon Resonant Absorption from Controllable Au@Cu2O Nanoparticles: Experimental and Theoretical Modeling. <b>2012</b> , 116, 4477-4483	70
950	Light polarization properties of three fold symmetry gold nanoparticles: Model and experiments. <b>2012</b> , 13, 830-836	5
949	Size-controlled synthesis of superparamagnetic iron oxide nanoparticles and their surface coating by gold for biomedical applications. <b>2012</b> , 324, 3997-4005	93

Manipulation of extinction spectra of P3HT/PMMA medium arrays on silicon substrate containing self-assembled gold nanoparticles. **2012**, 137, 61-68

947	Silver Nanostructures: Properties, Synthesis, and Biosensor Applications. <b>2012</b> , 359-404	10
946	Mechanistic Study of Shape Evolution of Silver Nanoprisms in The Presence of KSCN. <b>2012</b> , 116, 461-467	21
945	Nanoparticles and theory. <b>2012</b> ,	1
944	From soft to hard: the generation of functional and complex colloidal monolayers for nanolithography. <b>2012</b> , 8, 4044-4061	161
943	Nanomaterial Applications in Optical Transduction. <b>2012</b> , 454-472	2
942	Correlating the structure and localized surface plasmon resonance of single silver right bipyramids. <b>2012</b> , 23, 444005	44
941	Detection of ultra-low refractive index variations with colloidal nanoprobes. <b>2012</b> , 171-172, 1269-1271	1
940	Near field guided chemical nanopatterning. <b>2012</b> , 28, 3699-703	27
939	Optimization of a localized surface plasmon resonance biosensor for heat shock protein 70. <b>2012</b> ,	
938	Raman Spectroscopy of Biomolecules at Electrode Surfaces. <b>2012</b> , 269-334	О
937	Measuring uptake dynamics of multiple identifiable carbon nanotube species via high-speed confocal Raman imaging of live cells. <b>2012</b> , 12, 6170-4	31
936	Green synthesis of halloysite nanotubes supported Ag nanoparticles for photocatalytic decomposition of methylene blue. <b>2012</b> , 45, 325302	45
935	Angle-dependent resonance of localized and propagating surface plasmons in microhole arrays for enhanced biosensing. <b>2012</b> , 404, 2859-68	29
934	Rational aspect ratio and suitable antibody coverage of gold nanorod for ultra-sensitive detection of a cancer biomarker. <b>2012</b> , 12, 1102-9	74
933	Flower Shaped Silver Nanostructures: An Efficient Bacteria Exterminator. <b>2012</b> ,	
932	Light-Induced Plasmon-Assisted Phase Transformation of Carbon on Metal Nanoparticles. <b>2012</b> , 22, 2129-21	3923
931	Gold nanoparticles in chemical and biological sensing. <b>2012</b> , 112, 2739-79	3476

930	Post-fabrication voltage controlled resonance tuning of nanoscale plasmonic antennas. 2012, 6, 6301-7	54
929	Surface plasmon resonance based biosensor technique: a review. <b>2012</b> , 5, 483-501	275
928	Influence of particle size on the binding activity of proteins adsorbed onto gold nanoparticles. <b>2012</b> , 28, 2736-44	48
927	Three-dimensional reduced-symmetry of colloidal plasmonic nanoparticles. <b>2012</b> , 12, 2436-40	26
926	Single nanoparticle spectroscopy for real-time in vivo quantitative analysis of transport and toxicity of single nanoparticles in single embryos. <b>2012</b> , 137, 2973-86	36
925	Core-satellites assembly of silver nanoparticles on a single gold nanoparticle via metal ion-mediated complex. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 12083-90	55
924	Engineering plasmonic gold nanostructures and metamaterials for biosensing and nanomedicine. <b>2012</b> , 24, 5153-65	113
923	Functional gold nanorods: synthesis, self-assembly, and sensing applications. <b>2012</b> , 24, 4811-41, 5014	608
922	Large-area low-cost plasmonic nanostructures in the NIR for Fano resonant sensing. <b>2012</b> , 24, OP247-52	53
921	Sensitive detection of small molecule-protein interactions on a metal-insulator-metal label-free biosensing platform. <b>2012</b> , 7, 1867-74	10
920	Large-scale synthesis of ultra-small-sized silver nanoparticles. <b>2012</b> , 13, 2540-3	39
919	Nanoscale plasmonic interferometers for multispectral, high-throughput biochemical sensing. <b>2012</b> , 12, 602-9	130
918	New method to evaluate optical properties of core⊠hell nanostructures. <b>2012</b> , 14, 1	3
917	Binding of Escherichia coli to Functionalized Gold Nanoparticles. <b>2012</b> , 7, 301-308	13
916	Multifunctional inorganic/organic hybrid microgels. <b>2012</b> , 290, 673-688	51
915	Treating metastatic cancer with nanotechnology. <b>2011</b> , 12, 39-50	880
914	Preparation of LaB6 nanoparticles as a novel and effective near-infrared photothermal conversion material. <b>2012</b> , 180, 337-342	50
913	Facile synthesis of silver-deposited silanized magnetite nanoparticles and their application for catalytic reduction of nitrophenols. <b>2012</b> , 413-414, 170-175	117

912	Covalent assembly of silver nanoparticles on hydrogen-terminated silicon surface. 2012, 382, 22-7	8
911	Facile synthesis of mesoporous Ag-loaded TiO2 thin film and its photocatalytic properties. <b>2012</b> , 149, 69-75	76
910	Zero-dimensional, one-dimensional, two-dimensional and three-dimensional nanostructured materials for advanced electrochemical energy devices. <b>2012</b> , 57, 724-803	704
909	Electrodeposition of Single-Metal Nanoparticles on Stable Protein 1 Membranes: Application of Plasmonic Sensing by Single Nanoparticles. <b>2012</b> , 124, 144-148	2
908	Electrodeposition of single-metal nanoparticles on stable protein 1 membranes: application of plasmonic sensing by single nanoparticles. <b>2012</b> , 51, 140-4	45
907	Synthesis, properties, and optical applications of noble metal nanoparticle-biomolecule conjugates. <b>2012</b> , 57, 238-246	54
906	Gold nanomaterials: preparation, chemical modification, biomedical applications and potential risk assessment. <b>2012</b> , 166, 1533-51	44
905	Microcavity plasmonics: strong coupling of photonic cavities and plasmons. 2013, 7, 141-169	101
904	Polyhydrosilane Mediated Synthesis of One-Dimensional Gold Nanostructures. <b>2013</b> , 23, 621-628	4
903	Microfluidic channel with embedded SERS 2D platform for the aptamer detection of ochratoxin A. <b>2013</b> , 405, 1613-21	85
902	Sunlight mediated synthesis of PDDA protected concave gold nanoplates. <b>2013</b> , 15, 1	4
901	Fabricated micro-nano devices for in vivo and in vitro biomedical applications. <b>2013</b> , 5, 544-68	18
900	Study of wild-type Bynuclein binding and orientation on gold nanoparticles. 2013, 29, 4603-15	79
899	Localized surface plasmon resonance sensor for simultaneous kinetic determination of peroxyacetic acid and hydrogen peroxide. <b>2013</b> , 762, 87-93	13
898	Nanoscale imaging and spontaneous emission control with a single nano-positioned quantum dot. <b>2013</b> , 4, 1447	60
897	Periodic arrays of gold nano-disks coupled with evanescent spectroscopy. <b>2013</b> , 113, 224306	4
896	Multi-resonant plasmonic nanodome arrays for label-free biosensing applications. 2013, 5, 8138-45	13
895	Amplification of chiroptical activity of chiral biomolecules by surface plasmons. <b>2013</b> , 13, 1203-9	166

894	Facile synthesis of two-dimensional highly branched gold nanostructures in aqueous solutions of cationic gemini surfactant. <b>2013</b> , 15, 2648	17
893	Synthesis and characterization of silver nanoparticles using Cynodon dactylon leaves and assessment of their antibacterial activity. <b>2013</b> , 36, 999-1004	55
892	Modulation of molecular hybridization and charge screening in a carbon nanotube network channel using the electrical pulse method. <b>2013</b> , 13, 3755-63	16
891	Optical properties of silver nanoplates synthesized by photoinduced method. <b>2013</b> , 18, 201-206	1
890	Morphology dependent photosensitization and formation of singlet oxygen (Dby gold and silver nanoparticles and its application in cancer treatment. <b>2013</b> , 1, 4379-4387	73
889	Characteristics of Symmetric Surface Plasmon Polariton Mode in GlassMetalClass Waveguide. <b>2013</b> , 8, 1621-1625	6
888	In Situ Monitoring of the 2D Aggregation Process of Thiol-Coated Gold Nanoparticles Using Interparticle Plasmon Coupling. <b>2013</b> , 8, 1369-1377	5
887	Metamaterials-based label-free nanosensor for conformation and affinity biosensing. <b>2013</b> , 7, 7583-91	82
886	Quantum bio-nanosensors based on quantum dot-metallic nanoparticle systems. 2013,	1
885	Plasmon resonance properties of silver-patterned glass substrates fabricated by anodic alumina oxide templates. <b>2013</b> , 112, 381-386	7
884	Ag/DNQ-novolac-based nanocomposite films for controllable UV lithography morphological patterning. <b>2013</b> , 291, 1787-1793	4
883	Nano-bio interfaces probed by advanced optical spectroscopy: From model system studies to optical biosensors. <b>2013</b> , 58, 2537-2556	10
882	OPAA template-directed synthesis and optical properties of metal nanocrystals. 2013, 8, 328	6
881	Quantitative LSPR imaging for biosensing with single nanostructure resolution. <b>2013</b> , 104, 30-6	20
88o	Optically reconfigurable structures based on surface enhanced Raman scattering in nanorods. <b>2013</b> , 111, 251-255	5
879	The fabrication of scatheless triangle nanoparticles for biosensor. <b>2013</b> , 111, 87-90	1
878	Investigation of Surface Plasmon Resonance in Multilayered Onion-Like Heteronanocrystal Structures. <b>2013</b> , 12, 831-838	19
877	Plasmon Modes Hybridization Influence on Nano-Bio-Sensors Specification. <b>2013</b> , 12, 858-866	11

## (2013-2013)

876	A close look of Au/Pt/Ag nanocomposites using SERS assisted with optical, electrochemical, spectral and theoretical methods. <b>2013</b> , 49, 105-110	14
875	Theoretical Investigation of Optical Detection and Recognition of Single Biological Molecules Using Coherent Dynamics of Exciton-Plasmon Coupling. <b>2013</b> , 117, 17344-17351	11
874	Influence of size-corrected bound-electron contribution on nanometric silver dielectric function. Sizing through optical extinction spectroscopy. <b>2013</b> , 46, 435301	20
873	Quantitative imaging of protein secretions from single cells in real time. 2013, 105, 602-8	30
872	Translational and rotational diffusion of gold nanorods near a wall. <b>2013</b> , 139, 064710	10
871	Amplification of resonant Rayleigh light scattering response using immunogold colloids for detection of lysozyme. <b>2013</b> , 9, 3485-92	17
870	Mechanism of Shape Evolution in Ag Nanoprisms Stabilized by Thiol-Terminated Poly(ethylene glycol): An in Situ Kinetic Study. <b>2013</b> , 25, 4206-4214	36
869	Self-assembly of core-satellite gold nanoparticles for colorimetric detection of copper ions. <b>2013</b> , 803, 128-34	71
868	Au core Pd/Pt shell in trimetallic Au/Pd/Pt colloidal nanocomposites [Physicochemical characterization study. <b>2013</b> , 436, 944-952	25
867	Plasmonic Resonance Tunability and Surface-Enhanced Raman Scattering Gain of Metallic Nanoparticles Embedded in a Liquid Crystal Cell. <b>2013</b> , 117, 24537-24542	10
866	Gold-linked electrochemical immunoassay on single-walled carbon nanotube for highly sensitive detection of human chorionic gonadotropin hormone. <b>2013</b> , 42, 592-7	39
865	Extraction of optimized parameters for Si0.6Ge0.4 material and SPP mode propagation through Si0.6Ge0.4/Ag/Si0.6Ge0.4 waveguide. <b>2013</b> , 9, 454-457	4
864	H2O2-triggered shape transformation of silver nanospheres to nanoprisms with controllable longitudinal LSPR wavelengths. <b>2013</b> , 3, 12886	64
863	Template-directed synthesis of uniformly-sized silver nanoparticles with high colloidal stability. <b>2013</b> , 37, 3591	8
862	Fabrication of Gold Nanodot Array on Plastic Films for Bio-sensing Applications. 2013, 5, 47-52	9
861	Nanocolloid Substrates for Surface-Enhanced Raman Scattering (SERS) Sensor for Biological Applications. <b>2013</b> , 21-41	
860	Investigation of propagation properties of Surface Plasmon Polariton mode in AlGaAs/Ag/AlGaAs waveguide. <b>2013</b> ,	1
859	A novel dark-field microscopy technique coupled with capillary electrophoresis for visual analysis of single nanoparticles. <b>2013</b> , 138, 3705-10	10

858	Promises and Challenges of Nanoplasmonic Devices for Refractometric Biosensing. 2013, 2, 83-101	74
857	Supraparticles comprised of molecularly imprinted nanoparticles and modified gold nanoparticles as a nanosensor platform. <b>2013</b> , 3, 25306	23
856	Nonspecific binding removal and specific binding regeneration using longitudinal acoustic waves. <b>2013</b> , 3, 16159	2
855	Simulation and fabrication of a new novel 3D injectable biosensor for high throughput genomics and proteomics in a lab-on-a-chip device. <b>2013</b> , 24, 465301	32
854	Direct patterning of high density sub-15 nm gold dot arrays using ultrahigh contrast electron beam lithography process on positive tone resist. <b>2013</b> , 24, 075303	22
853	Digitized single scattering nanoparticles for probing molecular binding. <b>2013</b> , 49, 8262-4	16
852	A new-type dynamic SERS method for ultrasensitive detection. <b>2013</b> , 44, 21-28	50
851	Patterning of Protein/Quantum Dot Hybrid Bionanostructures. <b>2013</b> , 23, 227-232	9
850	Singular phase nano-optics in plasmonic metamaterials for label-free single-molecule detection. <b>2013</b> , 12, 304-9	311
849	A modified polyol process for growing Ag nanowires and nanoplates using 2-ethoxy ethanol. <b>2013</b> , 48, 1042-1052	3
848	CoreBhell-typed Ag@SiO2 nanoparticles as solar selective coating materials. 2013, 15, 1	17
847	Hybrid Plasmonic Structures: Design and Fabrication by Laser Means. <b>2013</b> , 19, 4600309-4600309	12
846	Nanoparticles and plasmon resonance based probe for failure analysis of ULSI microchips and electrical characterizations of metallic interconnects. <b>2013</b> , 104, 69-74	
845	Green synthesis of polysaccharide/gold nanoparticle nanocomposite: an efficient ammonia sensor. <b>2013</b> , 94, 229-34	125
844	Characterization of nanoscale clusters fabricated by pulsed laser irradiation of thin Au films. <b>2013</b> , 273, 625-631	9
843	Site-selective metallization of polymeric substrates by the hyperbranched polymer templates. <b>2013</b> , 280, 164-170	4
842	Colloidal nanoplasmonics: from building blocks to sensing devices. <b>2013</b> , 29, 4652-63	64
841	Substrate effect on the plasmonic sensing ability of hollow nanoparticles of different shapes. <b>2013</b> , 117, 4468-77	24

840	Does Morphology of a Metal Nanoparticle Play a Role in Ostwald Ripening Processes?. <b>2013</b> , 25, 365-371	32
839	Nanometal plasmonpolaritons. <b>2013</b> , 68, 1-67	23
838	Surface modification of inorganic nanoparticles for development of organic[horganic nanocomposites] review. <b>2013</b> , 38, 1232-1261	1435
837	Nanotechnology in glucose monitoring: advances and challenges in the last 10 years. <b>2013</b> , 47, 12-25	205
836	Plasmonic metal nanostructure array by glancing angle deposition for biosensing application. <b>2013</b> , 183, 310-318	11
835	Simple synthesis of monodisperse, quasi-spherical, citrate-stabilized silver nanocrystals in water. <b>2013</b> , 29, 5074-9	85
834	Biofunctionalized silver nanoparticles: advances and prospects. <b>2013</b> , 105, 342-52	270
833	Cubic Mesoporous Silica (SBA-16) Prepared Using Butanol as the Co-Surfactant: A General Matrix for the Preparation of FeCo-SiO2 Nanocomposites. <b>2013</b> , 78, 364-374	11
832	Study of charge-dependent transport and toxicity of peptide-functionalized silver nanoparticles using zebrafish embryos and single nanoparticle plasmonic spectroscopy. <b>2013</b> , 26, 904-17	68
831	Preparation and near-infrared photothermal conversion property of cesium tungsten oxide nanoparticles. <b>2013</b> , 8, 57	35
830	Fabrication of wafer-scale TiO2 nanobowl arrays via a scooping transfer of polystyrene nanospheres and atomic layer deposition for their application in photonic crystals. <b>2013</b> , 1, 1732	25
829	Measurement of the localised plasmon penetration depth for gold nanoparticles using a non-invasive bio-stacking method. <b>2013</b> , 15, 6122-7	16
828	Modern surface plasmon resonance for bioanalytics and biophysics. <b>2013</b> , 15, 11190-216	130
827	Light-driven transformation processes of anisotropic silver nanoparticles. <b>2013</b> , 7, 5911-21	51
826	Selective growth of silver nanoparticle arrays on nanoimprinted sol-gel silica patterns. <b>2013</b> , 5, 5423-9	
825	Stepwise molding, etching, and imprinting to form libraries of nanopatterned substrates. <b>2013</b> , 29, 6737-45	9
824	Surface Plasmons. <b>2013</b> , 67-92	
823	Nanoplasmonic quantitative detection of intact viruses from unprocessed whole blood. <b>2013</b> , 7, 4733-45	129

822	Surface plasmon-enhanced photochemical reactions. <b>2013</b> , 15, 31-52	155
821	Amperometric detection of dopamine in human serum by electrochemical sensor based on gold nanoparticles doped molecularly imprinted polymers. <b>2013</b> , 49, 199-203	159
820	Interaction of silver nanoparticles with proteins: a characteristic protein concentration dependent profile of SPR signal. <b>2013</b> , 111, 71-9	61
819	Approach for plasmonic based DNA sensing: amplification of the wavelength shift and simultaneous detection of the plasmon modes of gold nanostructures. <b>2013</b> , 85, 3288-96	55
818	Multifunctional porous silicon nanopillar arrays: antireflection, superhydrophobicity, photoluminescence, and surface-enhanced Raman scattering. <b>2013</b> , 24, 245704	65
817	Geometrical parameters effects on local electric field enhancement of silver-dielectric-silver multilayer nanoshell. <b>2013</b> , 20, 052109	9
816	Integration of gold nanoparticles in PDMS microfluidics for lab-on-a-chip plasmonic biosensing of growth hormones. <b>2013</b> , 44, 77-84	105
815	Electrochemically controlled growth of silver nanocrystals on graphene thin film and applications for efficient nonenzymatic H2O2 biosensor. <b>2013</b> , 89, 222-228	81
814	Adsorption of a Protein Monolayer via Hydrophobic Interactions Prevents Nanoparticle Aggregation under Harsh Environmental Conditions. <b>2013</b> , 1, 833-842	138
813	Dichroic reflection in specular direction of Au-coated anisotropic hemispherical structure arrays based on monolayer of subwavelength-scale polystyrene spheres. <b>2013</b> , 429, 106-111	7
812	Synthesis of thermally stable Ag@TiO2 coreBhell nanoprisms and plasmonEnhanced optical properties for a P3HT thin film. <b>2013</b> , 3, 6016	20
811	Applications of electron beam lithography in surface science and catalysis Imodel-nano-array catalysts. 141-171	1
810	Imidazolium-based ionic liquid surfaces for biosensing. <b>2013</b> , 85, 5770-7	28
809	DNA-directed self-assembly and optical properties of discrete 1D, 2D and 3D plasmonic structures. <b>2013</b> , 8, 138-167	103
808	Magnetic nanoparticle mediated enhancement of localized surface plasmon resonance for ultrasensitive bioanalytical assay in human blood plasma. <b>2013</b> , 85, 1431-9	74
807	A biosensor based on periodic arrays of gold nanodisks under normal transmission. <b>2013</b> , 189, 474-480	13
806	Plamonic behavior of metallic and core-shell nanostructures. 2013,	О
805	Polymer-mediated formation and assembly of silver nanoparticles on silica nanospheres for sensitive surface-enhanced Raman scattering detection. <b>2013</b> , 5, 12804-10	14

804	Guiding surface plasmon polariton along 90 degree bend MDM waveguide models. 2013,	O
803	Synthesis of gold nanostars with tunable morphology and their electrochemical application for hydrogen peroxide sensing. <b>2013</b> , 108, 435-440	38
802	New progress of plasmonics in complex metal nanostructures. <b>2013</b> , 56, 2327-2336	8
801	Biomedical applications of multifunctional plasmonic nanoparticles. <b>2013</b> , 5, 19-30	48
800	Dengue immunoassay with an LSPR fiber optic sensor. <b>2013</b> , 21, 27023-31	59
799	Optical detection of nanoparticle-enhanced human papillomavirus genotyping microarrays. <b>2013</b> , 4, 187-92	17
798	Surface-enhanced Raman scattering of graphene with photo-assisted-synthesized gold nanoparticles. <b>2013</b> , 21, 6547-54	17
797	Optical transport and sensing in plexcitonic nanocavities. <b>2013</b> , 21, 15847-58	22
796	Coupling of localized surface plasmons to U-shaped cavities for high-sensitivity and miniaturized detectors. <b>2013</b> , 21, 1531-40	11
795	Weak light characteristics of potential biosensor unit. <b>2013</b> , 8, 594-597	2
794	Size Tunable Synthesis of Gold Nanoplates by Gamma Irradiation in Presence of Polydiallyldimethylammonium Chloride as the Capping Agent. <b>2013</b> , 23, 57-65	
793	Hybrid integrated plasmonic-photonic waveguides for on-chip localized surface plasmon resonance (LSPR) sensing and spectroscopy. <b>2013</b> , 21, 32086-98	64
792	Resonance-based integrated plasmonic nanosensor for lab-on-chip applications. 2013, 7, 073077	22
791	Surface plasmon resonances of protein-conjugated gold nanoparticles on graphitic substrates. <b>2013</b> , 103, 163702	21
790	Weak light characteristics of a new photoelectric sensor with potential biosensor application. 2013,	2
789	Fabrication of stable silver nanoparticles through a green approach. 2013,	3
788	Upconversion multicolor tuning: Red to green emission from Y2O3:Er, Yb nanoparticles by calcination. <b>2013</b> , 102, 233103	30
787	Chloroform-sensing properties of plasmonic nanostructures using poly(methyl methacrylate) transduction layer. <b>2013</b> , 8, 111-114	8

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785	Surface-Enhanced Raman Scattering. <b>2013</b> , 339-372	
784	Real-time, sensitive, and specific detection of promoter-polymerase interactions in gene transcription using a nanoplasmonic sensor. <b>2013</b> , 25, 1265-9	15
783	Study of Immobilization Procedure on Silver Nanolayers and Detection of Estrone with Diverged Beam Surface Plasmon Resonance (SPR) Imaging. <b>2013</b> , 3, 157-70	19
782	Nanobiosensors: Concepts and Variations. <b>2013</b> , 2013, 1-9	89
781	Optimization of green synthesis of silver nanoparticles from leaf extracts of Pimenta dioica (Allspice). <b>2013</b> , 2013, 362890	9
780	Metallic Nanoparticles-Based Biochip with Multi-Channel for Immunoassay. <b>2014</b> , 04,	
779	Water-dispersible three-dimensional LC-nanoresonators. <b>2014</b> , 9, e105474	1
778	CHIRAL METAMATERIAL BASED MULTIFUNCTIONAL SENSOR APPLICATIONS. <b>2014</b> , 149, 55-67	47
777	Rapid prototyping techniques for the fabrication of biosensors. <b>2014</b> , 93-112	
776	. 2014,	8
775	Effect of symmetry breaking and substrate on the optical properties of silver sphere-like nanoparticles in different surrounding media. <b>2014</b> ,	
774	Effect of Temperature on the Growth of Silver Nanoparticles Using Plasmon-Mediated Method under the Irradiation of Green LEDs. <b>2014</b> , 7, 7781-7798	40
773	Modeling nanoparticle optics and surface enhanced emission. <b>2014</b> ,	
77²	Plasmonic Sandwich Immunoassay on Fiber Optic Sensor: Sensitivity Enhancement using Refractive Index Media. <b>2014</b> ,	
771	BIOINSPIRED ENGINEERING OF MULTIFUNCTIONAL DEVICES. <b>2014</b> , 31-63	
770	Silver nanomaterials for the detection of chemical and biological targets. <b>2014</b> , 3,	3
769	An effective nanosensor for organic molecules based on water-soluble mercaptopropionic acid-capped CdTe nanocrystals with potential application in high-throughput screening and high-resolution optical microscopy. <b>2014</b> , 5, 2420-34	2

768	Design and fabrication of nano-sinusoid LSPR devices. <b>2014</b> , 22, 18889-903	1
767	Molecular dynamics of coalescence and collisions of silver nanoparticles. <b>2014</b> , 16, 1	10
766	Dependence of Plasmonic Properties on Electron Densities for Various Coupled Au Nanostructures. <b>2014</b> , 118, 27531-27538	19
765	Tunable optical properties of silverdielectricdilver nanoshell. <b>2014</b> , 28, 1450134	3
764	Urea based organic nanoparticles for selective determination of NADH. <b>2014</b> , 4, 61841-61846	16
763	Capping effect of reducing agents and surfactants in synthesizing silver nanoplates. <b>2014</b> , 24, 3732-3738	16
762	Ag nanocrystals: 1. Effect of ligands on plasmonic properties. <b>2014</b> , 118, 14070-5	35
761	Laser-ablative engineering of phase singularities in plasmonic metamaterial arrays for biosensing applications. <b>2014</b> , 104, 071101	23
760	Design of a Simple Integrated Coupler for SPP Excitation in a Dielectric Coated Ag Thin Film. <b>2014</b> , 31, 064201	2
759	Diffraction in nanoparticle lattices increases sensitivity of localized surface plasmon resonance to refractive index changes. <b>2014</b> , 8, 083084	8
758	Design optimization and fabrication of plasmonic nano sensor. 2014,	3
757	Co-enhancement of fluorescence and singlet oxygen generation by silica-coated gold nanorods core-shell nanoparticle. <b>2014</b> , 9, 2492	31
756	Tunable DUV Locolized Plasmonic Absorption by Al Metallic Nanoparticles Arrays. 2014, 621, 65-70	
755	Refractive Index Sensing Based on Plasmonic Waveguide Side Coupled With Bilaterally Located Double Cavities. <b>2014</b> , 13, 875-880	23
754	Ion-Beam Modification of Colloidal Silica Particle Masks to Tailor the Size of Ordered Arrays of Ag Nanostructures Produced by Nanosphere Lithography. <b>2014</b> , 1712, 51	2
753	Site-specific immobilization of DNA on silicon surfaces by using the thiol-yne reaction. <b>2014</b> , 2, 8510-8517	29
752	Manipulation of Surface Plasmon Polaritons by Phase Modulation of Source Field with Inverse Problem Algorithm. <b>2014</b> , 31, 057306	
751	Nodal adsorbate bound states in armchair graphene nanoribbons: Fano resonances and adsorbate recognition in weak disorder. <b>2014</b> , 90,	3

750	Optimizing the Refractive Index Sensitivity of Plasmonically Coupled Gold Nanoparticles. <b>2014</b> , 9, 773-780	34
749	Thermal-induced formation of a three-dimensional nanoplasmonic sensor from Ag nanocubes with high stability and reusability. <b>2014</b> , 20, 3636-45	4
748	Label-free biosensing over a wide concentration range with photonic force microscopy. <b>2014</b> , 15, 1573-6	1
747	Ag/Pd core-shell nanoparticles by a successive method: Pulsed laser ablation of Ag in water and reduction reaction of PdCl2. <b>2014</b> , 292, 892-897	33
746	Reusable three-dimensional nanostructured substrates for surface-enhanced Raman scattering. <b>2014</b> , 9, 25	11
745	Applications of SPR for the characterization of molecules important in the pathogenesis and treatment of neurodegenerative diseases. <b>2014</b> , 14, 449-63	19
744	Shape-selective deposition and assembly of anisotropic nanoparticles. <b>2014</b> , 14, 2157-61	89
743	Graphene as an Electron Shuttle for Silver Deoxidation: Removing a Key Barrier to Plasmonics and Metamaterials for SERS in the Visible. <b>2014</b> , 24, 1864-1878	77
742	Critical Issues in Localized Plasmon Sensing. <b>2014</b> , 118, 8227-8244	51
741	Au nanoparticle-modified DNA sensor based on simultaneous electrochemical impedance spectroscopy and localized surface plasmon resonance. <b>2014</b> , 53, 513-8	70
740	Surface-enhanced fluorescent immunoassay on 2D silver nanotriangles array. <b>2014</b> , 124, 655-62	3
739	Silicon nanowire field-effect-transistor based biosensors: from sensitive to ultra-sensitive. <b>2014</b> , 60, 101-11	113
738	Bioplasmonic calligraphy for multiplexed label-free biodetection. <b>2014</b> , 59, 208-15	23
737	Plasmonic films based on colloidal lithography. <b>2014</b> , 206, 5-16	61
736	Structure and functional properties of a multimeric protein A-Crystallin adsorbed on silver nanoparticle surface. <b>2014</b> , 30, 4775-83	25
735	Surface chemical approach to single-step measurement of antibody in human serum using localized surface plasmon resonance biosensor on microtiter plate system. <b>2014</b> , 406, 4527-33	8
734	Quick, large-area assembly of a single-crystal monolayer of spherical particles by unidirectional rubbing. <b>2014</b> , 26, 4633-8	74
733	Advancements in nanosensors using plastic antibodies. <b>2014</b> , 139, 21-31	64

732	Field enhancement by plasmonic contour H-shaped nano-antenna. <b>2014</b> , 68, 1	3
731	Optical Transducers. <b>2014</b> , 233-320	2
730	From Mie to Fresnel through effective medium approximation with multipole contributions. <b>2014</b> , 16, 065001	17
729	The use of gold-silver core-shell nanorods self-assembled on a glass substrate can substantially improve the performance of plasmonic affinity biosensors. <b>2014</b> , 181, 1991-1997	6
728	Localized surface plasmon resonance sensors based on wavelength-tunable spectral dips. <b>2014</b> , 6, 2397-405	81
727	Magnesiothermically Formed Porous Silicon Thin Films on Silicon-on-Insulator Optical Microresonators for High-Sensitivity Detection. <b>2014</b> , 2, 235-239	9
726	Gold nanorod-based localized surface plasmon resonance biosensors: A review. <b>2014</b> , 195, 332-351	471
725	Gold nanocages with built-in artificial antibodies for label-free plasmonic biosensing. <b>2014</b> , 2, 167-170	30
724	Gold Nanoring Arrays for Near Infrared Plasmonic Biosensing. <b>2014</b> , 9, 765-772	30
723	Direct growth of coupled gold nanoparticles on indium tin oxide substrate and construction of biosensor based on localized surface plasmon resonance. <b>2014</b> , 191, 337-343	11
722	Ultra-compact two-dimensional plasmonic nano-ring antenna array for sensing applications. <b>2014</b> , 46, 1097-1106	11
721	Derivatization of Colloidal Gold Nanoparticles Toward Their Application in Life Sciences. <b>2014</b> , 66, 153-206	
720	Topological darkness in self-assembled plasmonic metamaterials. <b>2014</b> , 26, 324-30	50
719	Fast kinetics of thiolic self-assembled monolayer adsorption on gold: modeling and confirmation by protein binding. <b>2014</b> , 118, 13697-703	11
718	In situ sensitive fluorescence imaging of neurons cultured on a plasmonic dish using fluorescence microscopy. <b>2014</b> , 6, 20010-5	24
717	Chapter 2. Fundamentals of Hierarchical Nanostructures. <b>2014</b> , 7-25	
716	Rapid prototyping techniques for the fabrication of biosensors. <b>2014</b> , 75-96	
7 <sup>1</sup> 5	Dual localized scanning plasmon resonance and electrochemical investigations of organophosphorus insecticides presence. <b>2014</b> , 4, 1484-1488	1

714	From Fano-like interference to superscattering with a single metallic nanodisk. <b>2014</b> , 6, 9093-102	35
713	Highly permeable poly(ethylene oxide) with silver nanoparticles for facilitated olefin transport. <b>2014</b> , 4, 4905	12
712	Tunable Plasmon Resonance of Gold Nanoparticles Functionalized by Electroactive Bisthienylbenzene Oligomers or Polythiophene. <b>2014</b> , 118, 25158-25166	29
711	Microlandscaping on a graphene oxide film via localized decoration of Ag nanoparticles. <b>2014</b> , 6, 3143-9	20
710	Minimizing the effect of near-distance dielectric sensitivity on retrieving average aspect ratio of gold nanorod by optical extinction spectroscopy: in the case of CTAB adsorption. <b>2014</b> , 59, 1822-1831	4
709	Selective functionalization and loading of biomolecules in crystalline silicon nanotube field-effect-transistors. <b>2014</b> , 6, 7847-52	6
708	Anion recognition properties of chromone-based organic and organic[horganic hybrid nanoparticles. <b>2014</b> , 6, 5620	9
707	(Bio)-synthesis of Au NPs from soy isoflavone extracts as a novel assessment tool of their antioxidant capacity. <b>2014</b> , 4, 3075-3081	11
706	Charged nanoparticles crystallizing and controlling crystallization: from coatings to nanoparticle surfactants to chemical amplifiers. <b>2014</b> , 16, 9368-9380	5
705	Controllable growth of a forest of silver nanowires and their field emission properties. 2014, 16, 8646	8
704	Wet etching-assisted colloidal lithography: a general strategy toward nanodisk and nanohole arrays on arbitrary substrates. <b>2014</b> , 6, 9207-13	27
703	An oblique angle radio frequency sputtering method to fabricate nanoporous hydrophobic TiO 2 film. <b>2014</b> , 568, 81-86	25
702	Design and analysis of a gallium lanthanum sulfide based nanoplasmonic coupler yielding 67% efficiency. <b>2014</b> , 125, 5374-5377	5
701	Surface plasmon resonance: signal amplification using colloidal gold nanoparticles for enhanced sensitivity. <b>2014</b> , 33,	55
700	Facile and rapid synthesis of Pd nanodendrites for electrocatalysis and surface-enhanced Raman scattering applications. <b>2014</b> , 6, 11169-76	34
699	Preparation and characterization of silver nanoparticles on localized surface plasmon-enhanced optical absorption. <b>2014</b> , 53, 11RE01	8
698	Preparation of silica-coated ultrathin gold nanowires with high morphological stability. <b>2014</b> , 30, 1888-92	26
697	. <b>2014</b> , 13, 216-221	4

696	Chemical sensing with nanoparticles as optical reporters: from noble metal nanoparticles to quantum dots and upconverting nanoparticles. <b>2014</b> , 139, 5321-34	35
695	Nanoparticle-Film Plasmon Ruler Interrogated with Transmission Visible Spectroscopy. <b>2014</b> , 1, 974-984	26
694	Synthesis of cellulose nanofibril bound silver nanoprism for surface enhanced Raman scattering. <b>2014</b> , 15, 3608-16	36
693	Nanoparticle arrays: From magnetic response to coupled plasmon resonances. <b>2014</b> , 90,	15
692	Tamm Plasmon Resonance in Mesoporous Multilayers: Toward a Sensing Application. <b>2014</b> , 1, 775-780	125
691	Controlled formation of porous silver nanowires. <b>2014</b> , 610-611, 363-368	6
690	Localized surface plasmon resonance-based DNA detection in solution using gold-decorated superparamagnetic Fe3O4 nanocomposite. <b>2014</b> , 465, 156-63	5
689	Simulation of optical signaling among nano-bio-sensors: enhancing of bioimaging contrast. <b>2014</b> , 13, 327-35	2
688	A plasmonic cuvetteldye chemistry coupled to plasmonic interferometry for glucose sensing. <b>2014</b> , 3, 125-140	21
687	Enhancing LSPR Sensitivity of Au Gratings through Graphene Coupling to Au Film. <b>2014</b> , 9, 507-512	43
686	Effect of temperature on the morphologies and electrochemical properties of polyaniline-gold fibrillar nanocomposites. <b>2014</b> , 56, 377-383	2
685	Temperature dependence of localised surface plasmon resonance effect on photoisomerisation of azobenzene units in Ag/poly(N-isopropylacrylamide)-block-poly{6-[4-(4-methylphenyl-azo)phenoxy] hexylacrylate} composite particles. <b>2014</b> , 9, 390-394	3
684	Silicon nanohybrid-based surface-enhanced Raman scattering sensors. <b>2014</b> , 10, 4455-68	61
683	Chiral nanostructures studied using polarization-dependent NOLES imaging. <b>2014</b> , 118, 8393-401	11
682	Molecular Adsorption and Resonance Coupling at the Colloidal Gold Nanoparticle Interface. <b>2014</b> , 118, 642-649	31
681	4-Aminothiophenol functionalized gold nanoparticle-based colorimetric sensor for the determination of nitramine energetic materials. <b>2014</b> , 86, 351-6	46
680	Mapping bright and dark modes in gold nanoparticle chains using electron energy loss spectroscopy. <b>2014</b> , 14, 3799-808	86
679	Fabrication of a flexible UV band-pass filter using surface plasmon metal-polymer nanocomposite films for promising laser applications. <b>2014</b> , 6, 8407-14	19

678	Humidity sensing properties of Ag-loaded mesoporous silica SBA-15 nanocomposites prepared via hydrothermal process. <b>2014</b> , 197, 140-147	57
677	Upconversion nanoparticles: design, nanochemistry, and applications in theranostics. <b>2014</b> , 114, 5161-214	1742
676	Using "dioscorea batatas bean"-like silver nanoparticles based localized surface plasmon resonance to enhance the fluorescent signal of zinc oxide quantum dots in a DNA sensor. <b>2014</b> , 61, 344-50	9
675	Surface plasmon resonance enhancement of the magneto-optical Kerr effect in Cu/Co/Ag/SnO2structure. <b>2014</b> , 68, 10402	11
674	Molecular Plasmonics: Life Sciences Applications. <b>2014</b> , 117-156	
673	Plasmon Excitation of Atomic Clusters and Their Assembly by Electrons and Photons. <b>2014</b> , 488, 012046	
672	Gold and silver nanoparticle-assisted laser desorption ionization mass spectrometry compatible with secondary ion mass spectrometry for lipid analysis. <b>2014</b> , 46, 379-382	6
671	Enhancement of Chiroptical Signals by Circular Differential Mie Scattering of Nanoparticles. <b>2015</b> , 5, 14463	26
670	A method to determine the number of nanoparticles in a cluster using conventional optical microscopes. <b>2015</b> , 107, 103106	11
669	Conclusion. <b>2015</b> , 515-636	
668	Conclusion. 2015, 515-636  A Label-free Technique for the Spatio-temporal Imaging of Single Cell Secretions. 2015,	3
		3 7
668	A Label-free Technique for the Spatio-temporal Imaging of Single Cell Secretions. 2015,  Enhancing conjugation rate of antibodies to carboxylates: Numerical modeling of conjugation kinetics in microfluidic channels and characterization of chemical over-exposure in conventional	
668	A Label-free Technique for the Spatio-temporal Imaging of Single Cell Secretions. 2015,  Enhancing conjugation rate of antibodies to carboxylates: Numerical modeling of conjugation kinetics in microfluidic channels and characterization of chemical over-exposure in conventional protocols by quartz crystal microbalance. 2015, 9, 064115  Super-Period Gold Nanodisc Grating-Enabled Surface Plasmon Resonance Spectrometer Sensor.	7
668 667 666	A Label-free Technique for the Spatio-temporal Imaging of Single Cell Secretions. 2015,  Enhancing conjugation rate of antibodies to carboxylates: Numerical modeling of conjugation kinetics in microfluidic channels and characterization of chemical over-exposure in conventional protocols by quartz crystal microbalance. 2015, 9, 064115  Super-Period Gold Nanodisc Grating-Enabled Surface Plasmon Resonance Spectrometer Sensor. 2015, 69, 1182-9  Monitoring Ligand-Mediated Growth and Aggregation of Metal Nanoparticles and Nanodendrites	3
668 667 666	A Label-free Technique for the Spatio-temporal Imaging of Single Cell Secretions. 2015,  Enhancing conjugation rate of antibodies to carboxylates: Numerical modeling of conjugation kinetics in microfluidic channels and characterization of chemical over-exposure in conventional protocols by quartz crystal microbalance. 2015, 9, 064115  Super-Period Gold Nanodisc Grating-Enabled Surface Plasmon Resonance Spectrometer Sensor. 2015, 69, 1182-9  Monitoring Ligand-Mediated Growth and Aggregation of Metal Nanoparticles and Nanodendrites by In Situ Synchrotron Scattering Techniques. 2015, 1, 109-114	7 3 10
668 667 666 665	A Label-free Technique for the Spatio-temporal Imaging of Single Cell Secretions. 2015,  Enhancing conjugation rate of antibodies to carboxylates: Numerical modeling of conjugation kinetics in microfluidic channels and characterization of chemical over-exposure in conventional protocols by quartz crystal microbalance. 2015, 9, 064115  Super-Period Gold Nanodisc Grating-Enabled Surface Plasmon Resonance Spectrometer Sensor. 2015, 69, 1182-9  Monitoring Ligand-Mediated Growth and Aggregation of Metal Nanoparticles and Nanodendrites by In Situ Synchrotron Scattering Techniques. 2015, 1, 109-114  Plasmofluidics: Merging Light and Fluids at the Micro-/Nanoscale. 2015, 11, 4423-44  A Sustainable Approach to Fabricating Ag Nanoparticles/PVA Hybrid Nanofiber and Its Catalytic	7 3 10 51

## (2015-2015)

660	Grating Substrates by Electrochemical-Transmission Surface Plasmon Resonance Spectroscopy.  2015, 2015, 1-7	5
659	Studying of the photoluminescence of MEH-PPV-Au nanoparticles hybrid system. <b>2015</b> , 62, 387-391	1
658	Selective growth of TiO2 beads on Ag nanowires and their photocatalytic performance. <b>2015</b> , 17, 4895-4902	11
657	Imaging and Visualization in The Modern Operating Room. <b>2015</b> ,	5
656	Synthesis of 1 nm Pd Nanoparticles in a Microfluidic Reactor: Insights from in Situ X-ray Absorption Fine Structure Spectroscopy and Small-Angle X-ray Scattering. <b>2015</b> , 119, 13257-13267	51
655	Effect of interparticle plasmon coupling and temperature on the optical properties of bimetallic composite nanoparticles with a core-shell structure. <b>2015</b> , 117, 123105	8
654	Photoacoustic and Ultrasound Imaging with Nanosized Contrast Agents. <b>2015</b> , 293-323	О
653	Preface. RNA Scaffolds. <b>2015</b> , 1316, v-viii	O
652	Nanotechnology Approaches for Intraprocedural Molecular Diagnostics. <b>2015</b> , 157-166	1
651	Moir[Nanosphere Lithography. <b>2015</b> , 9, 6031-40	72
650	Refractometric and colorimetric index sensing by a plasmon-coupled hybrid AAO nanotemplate. <b>2015</b> , 5, 103052-103059	16
649	Environment-dependent photochromism of silver nanoparticles interfaced with metal-oxide films. <b>2015</b> , 357, 2048-2054	5
648	Enhanced Emission of Polyethyleneimine-Coated Copper Nanoclusters and Their Solvent Effect. <b>2015</b> , 119, 27173-27177	36
647	Characterization and Application of Nanostructured Films Containing Au and TiO2Nanoparticles Supported in Bacterial Cellulose. <b>2015</b> , 119, 340-349	18
646	Optimal geometric parameters of ordered arrays of nanoprisms for enhanced sensitivity in localized plasmon based sensors. <b>2015</b> , 65, 346-53	27
645	Plasmon Modes and Substrate-Induced Fano Dip in Gold Nano-Octahedra. <b>2015</b> , 10, 1013-1021	5
644	Broken-diabolo nanoantenna for co-enhancing and -confining optical electric and magnetic field. <b>2015</b> , 346, 34-37	4
643	Surface Enzyme Chemistries for Ultrasensitive Microarray Biosensing with SPR Imaging. <b>2015</b> , 31, 9527-36	29

642	Refractive index susceptibility of the plasmonic palladium nanoparticle: potential as the third plasmonic sensing material. <b>2015</b> , 9, 1895-904	91
641	Gold Nanoparticle Arrays Spectroscopy: Observation of Electrostatic and Radiative Dipole Interactions. <b>2015</b> , 10, 1550007	4
640	Plasmonic gold-poly(N-isopropylacrylamide) core-shell colloids with homogeneous density profiles: a small angle scattering study. <b>2015</b> , 17, 1354-67	42
639	Broadband light-concentration with near-surface distribution by silver capped silicon nanowire for high-performance solar cells. <b>2015</b> , 11, 756-764	25
638	Synthesis and Optical Responses of Ag@Au/Ag@Au Double Shells. <b>2015</b> , 32, 024205	5
637	Plasma enhanced label-free immunoassay for alpha-fetoprotein based on a U-bend fiber-optic LSPR biosensor. <b>2015</b> , 5, 23990-23998	44
636	A dynamic surface enhanced Raman spectroscopy method for ultra-sensitive detection: from the wet state to the dry state. <b>2015</b> , 44, 2837-48	130
635	Capping agent-free gold nanostars show greatly increased versatility and sensitivity for biosensing. <b>2015</b> , 87, 3964-72	37
634	Photochemical Synthesis of Hierarchical Multiple-Growth-Hillock Superstructures of Silver Nanoparticles on ZnO. <b>2015</b> , 150615095625009	6
633	Synthesis of silver nanoprisms on reduced graphene oxide for high-performance catalyst. <b>2015</b> , 69, 43-47	32
632	Graphene-based hybrid films for plasmonic sensing. <b>2015</b> , 7, 14561-76	37
631	Nanostar Clustering Improves the Sensitivity of Plasmonic Assays. <b>2015</b> , 26, 1470-4	22
630	Gold Nanoparticles for In Vitro Diagnostics. <b>2015</b> , 115, 10575-636	598
629	Surface Plasmon-Assisted Solar Energy Conversion. <b>2016</b> , 371, 215-52	18
628	Preparation of Au-Ag Nanoframe and its Application in SERS. 2015, 748, 71-75	
627	Enhanced Photothermal Effects and Excited-State Dynamics of Plasmonic Size-Controlled GoldBilverGold CoreBhellBhell Nanoparticles. <b>2015</b> , 119, 18573-18580	26
626	Optical nano antennas: state of the art, scope and challenges as a biosensor along with human exposure to nano-toxicology. <b>2015</b> , 15, 8787-831	17
625	Advances in colloidal assembly: the design of structure and hierarchy in two and three dimensions. <b>2015</b> , 115, 6265-311	505

# (2015-2015)

6	524	10, 1649-1655	15
6	623	Improved Parametrization for Extended Derjaguin, Landau, Verwey, and Overbeek Predictions of Functionalized Gold Nanosphere Stability. <b>2015</b> , 119, 10064-10075	46
6	22	Anisotropic gold nanoparticles for the highly sensitive colorimetric detection of glucose in human urine. <b>2015</b> , 5, 40849-40855	10
6	21	A rapid and simple approach for glycoform analysis. <b>2015</b> , 865, 71-5	1
6	<b>52</b> 0	Role of Symmetry in Coupled Localized Surface Plasmon Resonance of a Nanosphere Pair. <b>2015</b> , 10, 643-653	4
6	519	Plasmonic metamaterials for ultra-sensitive sensing: topological darkness. <b>2015</b> , 26, 175-182	7
6	518	Multispectral spatial and frequency selective sensing with ultra-compact cross-shaped antenna plasmonic crystals. <b>2015</b> , 215, 480-488	56
6	617	Na0.3WO3 nanorods: a multifunctional agent for in vivo dual-model imaging and photothermal therapy of cancer cells. <b>2015</b> , 44, 2771-9	22
6	516	The beginnings of plasmomechanics: towards plasmonic strain sensors. <b>2015</b> , 9, 170-177	35
6	515	Label-free detection of tobramycin in serum by transmission-localized surface plasmon resonance. <b>2015</b> , 87, 5278-85	95
6	14	Hybrid magneticplasmonic nanocomposite: embedding cobalt clusters in gold nanorods. <b>2015</b> , 5, 34696-3470	<b>3</b> 9
6	513	Gold nanoparticles and nanostructures in optical biosensors. <b>2015</b> , 30, B167-B177	5
6	12	A new measurement method of magnetic flux density using magnetorheological fluid characteristics and a variable resistor circuit. <b>2015</b> , 24, 087002	3
6	11	Sub-micrometric reflectometry for localized label-free biosensing. <b>2015</b> , 23, 12544-54	6
6	<b>51</b> 0	Graphene nanophotonic sensors. <b>2015</b> , 2, 032005	15
6	509	Integrating plasmonic diagnostics and microfluidics. <b>2015</b> , 9, 052611	25
6	608	Ultraviolet Plasmonic Chirality from Colloidal Aluminum Nanoparticles Exhibiting Charge-Selective Protein Detection. <b>2015</b> , 27, 6244-50	55
6	о7	Patterned Plasmonic Nanoparticle Arrays for Microfluidic and Multiplexed Biological Assays. <b>2015</b> , 87, 11407-14	30

606	Nanobowl Array Fabrication via Conglutination Process Based on Thiol <b>E</b> ne Polymer. <b>2015</b> , 7, 1-6	1
605	Model of Polarization Selectivity of the Intermediate Filament Optical Channels. <b>2015</b> , 16, 24-33	16
604	Two-photon absorption induced by electric field gradient of optical near-field and its application to photolithography. <b>2015</b> , 106, 191103	16
603	Preparation and characterization of silver nanoparticles-reduced graphene oxide on ITO for immunosensing platform. <b>2015</b> , 221, 1423-1432	17
602	Surface enhanced Raman scattering as a probe of the cholesterol oxidase enzyme. <b>2015</b> , 106, 103701	6
601	Surface-enhanced Raman scattering on silvered porous alumina templates: role of multipolar surface plasmon resonant modes. <b>2015</b> , 17, 31780-9	19
600	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. <b>2015</b> , 9, 11075-89	153
599	Ultra-sensitive detection of biomarker using localized surface plasmon resonance (LSPR) enhanced by ELISA. <b>2015</b> ,	
598	Prospect of detection and recognition of single biological molecules using ultrafast coherent dynamics in quantum dot-metallic nanoparticle systems. <b>2015</b> ,	3
597	Random lasing in Eu <sup>[]</sup> + doped borate glass-ceramic embedded with Ag nanoparticles under direct three-photon excitation. <b>2015</b> , 7, 16246-50	16
596	Improving the performance of gold nanohole array biosensors by controlling the optical collimation conditions. <b>2015</b> , 54, 6502-7	17
595	Polarization state-based refractive index sensing with plasmonic nanostructures. <b>2015</b> , 7, 20171-9	16
594	Biosynthesis of silver nanoparticles using Artocarpus elasticus stem bark extract. <b>2015</b> , 9, 61	23
593	The effect of truncation in plasmon resonance of metal nanoprisms. 2015,	
592	WetIChemical Synthesis and Manipulation of Upconversion Nanoparticles. 2015, 21-71	
591	Single gold nanoplasmonic sensor for clinical cancer diagnosis based on specific interaction between nucleic acids and protein. <b>2015</b> , 67, 59-65	38
590	A single-nanoparticle NO2 gas sensor constructed using active molecular plasmonics. <b>2015</b> , 51, 1326-9	18
589	Formation and characterization of silver nanoparticles embedded in optical transparent materials for plasmonic sensor surfaces. <b>2015</b> , 193, 207-216	27

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588	Extraction of absorption and scattering contribution of metallic nanoparticles toward rational synthesis and application. <b>2015</b> , 87, 1058-65	40
587	A regular rippled pattern formed by the molecular self-organization of polyvinylpyrrolidone encapsulated Ag nanoparticles: a high transmissive coating for efficiency enhancement of c-Si solar cells. <b>2015</b> , 5, 5667-5673	3
586	Self-assembled monolayers and nanocomposite hydrogels of functional nanomaterials for tissue engineering applications. <b>2015</b> , 15, 445-63	35
585	Biosensors for the Determination of Amyloid-Beta Peptides and their Aggregates with Application to Alzheimer's Disease. <b>2015</b> , 48, 879-893	8
584	Ultra-sensitive immunoassay biosensors using hybrid plasmonic-biosilica nanostructured materials. <b>2015</b> , 8, 659-67	43
583	Noble metal nanoparticle surface plasmon resonance in absorbing medium. <b>2015</b> , 126, 417-420	6
582	Optimized Sensitivity and Electric Field Enhancement by Controlling Localized Surface Plasmon Resonances for Bowtie Nanoring Nanoantenna Arrays. <b>2015</b> , 10, 553-561	19
581	Plasmonic nanoparticle synthesis and bioconjugation for bioanalytical sensing. <b>2015</b> , 15, 266-275	25
580	Recent advances in optical imaging with anisotropic plasmonic nanoparticles. <b>2015</b> , 87, 200-15	63
579	Physical deposition improved SERS stability of morphology controlled periodic micro/nanostructured arrays based on colloidal templates. <b>2015</b> , 11, 844-53	112
578	Plasmonic biosensors. <b>2015</b> , 7, 152-68	76
577	Antibacterial activity of silver and zinc nanoparticles against Vibrio cholerae and enterotoxic Escherichia coli. <b>2015</b> , 305, 85-95	244
576	A direct competitive assay-based aptasensor for sensitive determination of tetracycline residue in honey. <b>2015</b> , 131, 562-9	80
575	Ionic liquids-water interfacial preparation of triangular Ag nanoplates and their shape-dependent antibacterial activity. <b>2015</b> , 437, 35-41	35
<i>575 574</i>		35 62
	antibacterial activity. <b>2015</b> , 437, 35-41	
574	antibacterial activity. <b>2015</b> , 437, 35-41  Resistless nanofabrication by stencil lithography: A review. <b>2015</b> , 132, 236-254	62

570	Nanostructures and Surface-Enhanced Raman Spectroscopy. <b>2016</b> , 117-152	8
569	Refractive index susceptibility of palladium nanoplates with plasmonic resonance in the visible region. <b>2016</b> , 6, 859	3
568	Hybrid cavity-coupled plasmonic biosensors for low concentration, label-free and selective biomolecular detection. <b>2016</b> , 24, 25785-25796	8
567	Lanthanide Ions Doped Upconversion Nanomaterials: Synthesis, Surface Engineering, and Application in Drug Delivery. <b>2016</b> , 227-260	1
566	Avoiding artefacts during electron microscopy of silver nanomaterials exposed to biological environments. <b>2016</b> , 261, 157-66	11
565	Sensitivity Tuning through Additive Heterogeneous Plasmon Coupling between 3D Assembled Plasmonic Nanoparticle and Nanocup Arrays. <b>2016</b> , 12, 3453-62	13
564	One-Pot Synthesis of Icosahedral Silver Nanoparticles by Using a Photoassisted Tartrate Reduction Method under UV Light with a Wavelength of 310 nm. <b>2016</b> , 17, 2551-7	16
563	Invertible Nanocup Array Supporting Hybrid Plasmonic Resonances. <b>2016</b> , 4, 906-916	10
562	Plasmonic Pd Nanoparticle- and Plasmonic Pd Nanorod-Decorated BiVO4 Electrodes with Enhanced Photoelectrochemical Water Splitting Efficiency Across Visible-NIR Region. <b>2016</b> , 11, 283	28
561	Experimental and theoretical studies on localized surface plasmon resonance based fiber optic sensor using graphene oxide coated silver nanoparticles. <b>2016</b> , 49, 285101	21
560	Selective Dinitrogen Conversion to Ammonia Using Water and Visible Light through Plasmon-induced Charge Separation. <b>2016</b> , 55, 3942-6	183
559	Study of photoluminescence characteristics of CdSe quantum dots hybridized with Cu nanowires. <b>2016</b> , 31, 1298-1301	33
558	Selective Dinitrogen Conversion to Ammonia Using Water and Visible Light through Plasmon-induced Charge Separation. <b>2016</b> , 128, 4010-4014	69
557	Far-field measurements of vortex beams interacting with nanoholes. <b>2016</b> , 6, 22185	14
556	Excited-state dynamics of size-dependent colloidal TiO2-Au nanocomposites. 2016, 144, 124704	9
555	A Versatile Multiple Target Detection System Based on DNA Nano-assembled Linear FRET Arrays. <b>2016</b> , 6, 26879	14
554	Concentric dot-ring metal nanostructures prepared by colloidal lithography. <b>2016</b> , 109, 163101	1
553	Development of optically controlled field emitter array with integrated gate electrode. 2016,	

552	A Nanofluidic Biosensor Based on Nanoreplica Molding Photonic Crystal. <b>2016</b> , 11, 427	4
551	DNA hybridization activity of single-stranded DNA-conjugated gold nanoparticles used as probes for DNA detection. <b>2016</b> , 55, 02BE04	4
550	Plasmonic Properties of Two Silver Nanocubes: Dependence on Separation Distance, Relative Orientation, Refractive Index of the Substrate, and Exciting Light Propagation Direction. <b>2016</b> , 21-40	1
549	Tunable Optical Performances on a Periodic Array of Plasmonic Bowtie Nanoantennas with Hollow Cavities. <b>2016</b> , 11, 411	37
548	Prologue. <b>2016</b> , 3-9	
547	Importance of Tilt Angles of Adsorbed Aromatic Molecules on Nanoparticle Rattle SERS Substrates. <b>2016</b> , 120, 20759-20767	28
546	Silica-Supported Metal Complex Photocatalysts. <b>2016</b> , 465-477	1
545	Experimental Methodologies for the Characterization of Nanoparticles. <b>2016</b> , 125-170	14
544	Layer-by-layer deposition of green synthesised silver nanoparticles on polyester air filters and its antimicrobial activity. <b>2016</b> , 11, 930-939	7
543	Chemiluminescence reactions enhanced by silver nanoparticles and silver alloy nanoparticles: Applications in analytical chemistry. <b>2016</b> , 82, 126-142	39
542	Modulation of localized surface plasmon resonance for an array of Ag nanostructures layered with nematic liquid crystals. <b>2016</b> , 372, 80-84	1
54 <sup>1</sup>	Portable, one-step, and rapid GMR biosensor platform with smartphone interface. <b>2016</b> , 85, 1-7	85
540	A Multiscale Approach to Modeling Plasmonic Nanorod Biosensors. <b>2016</b> , 120, 20692-20701	12
539	Sensing (un)binding events via surface plasmons: effects of resonator geometry. 2016,	
538	Effect of molecular weight of PEG or PVA as reducing-stabilizing agent in the green synthesis of silver-nanoparticles. <b>2016</b> , 83, 265-277	31
537	Monitoring interfacial lectin binding with nanomolar sensitivity using a plasmon field effect transistor. <b>2016</b> , 8, 17357-17364	10
536	Gold nano-ripple structure with potential for bio molecular sensing applications. 2016, 11, 14-19	7
535	Silver Nanoparticles: Newly Emerging Antimicrobials in 21st Century. <b>2016</b> , 103-139	

534	Digenite Nanosheets Synthesized by Thermolysis of Layered Copper-Alkanethiolate Frameworks. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 13717-13725	21
533	Spectral optical constants of ethanol and isopropanol from ultraviolet to far infrared. <b>2016</b> , 60, 137-141	99
532	A New Perspective on Plasmonics: Confinement and Propagation Length of Surface Plasmons for Different Materials and Geometries. <b>2016</b> , 4, 177-184	79
531	Molecular Plasmonics: From Molecular-Scale Measurements and Control to Applications. <b>2016</b> , 23-52	2
530	A high-yield, one-step synthesis of surfactant-free gold nanostars and numerical study for single-molecule SERS application. <b>2016</b> , 18, 1	16
529	Nanoparticle polymer composites on solid substrates for plasmonic sensing applications. <b>2016</b> , 11, 415-434	45
528	Intravital Endomicroscopy. <b>2016</b> , 357-406	
527	Time-Dependent Absorption Spectra of 1D, 2D Plasmonic Structures Obtained by the Ordering of Ag Nanoparticles in Polymer Matrix. <b>2016</b> , 131-141	2
526	Thermal and Chemical Stabilization of Silver Nanoplates for Plasmonic Sensor Application. <b>2016</b> , 32, 275-80	2
525	Optical Biosensors Based on Plasmonic Nanostructures: A Review. <b>2016</b> , 104, 2380-2408	225
525 524	Optical Biosensors Based on Plasmonic Nanostructures: A Review. <b>2016</b> , 104, 2380-2408  Facile Biomolecule-assisted Hydrothermal Synthesis of Ag Nanowires with Baseball-like Tips. <b>2016</b> , 45, 711-713	225
	Facile Biomolecule-assisted Hydrothermal Synthesis of Ag Nanowires with Baseball-like Tips. <b>2016</b> ,	225
524	Facile Biomolecule-assisted Hydrothermal Synthesis of Ag Nanowires with Baseball-like Tips. <b>2016</b> , 45, 711-713	
524 523	Facile Biomolecule-assisted Hydrothermal Synthesis of Ag Nanowires with Baseball-like Tips. <b>2016</b> , 45, 711-713  Plasmonic Sensor Monolithically Integrated with a CMOS Photodiode. <b>2016</b> , 3, 1926-1933	26
524 523 522	Facile Biomolecule-assisted Hydrothermal Synthesis of Ag Nanowires with Baseball-like Tips. 2016, 45, 711-713  Plasmonic Sensor Monolithically Integrated with a CMOS Photodiode. 2016, 3, 1926-1933  Biosensors for Early Disease Diagnosis. 2016, 235-270  Ultrasensitive Plasmonic Platform for Label-Free Detection of Membrane-Associated Species. 2016,	26 0
<ul><li>524</li><li>523</li><li>522</li><li>521</li></ul>	Facile Biomolecule-assisted Hydrothermal Synthesis of Ag Nanowires with Baseball-like Tips. 2016, 45, 711-713  Plasmonic Sensor Monolithically Integrated with a CMOS Photodiode. 2016, 3, 1926-1933  Biosensors for Early Disease Diagnosis. 2016, 235-270  Ultrasensitive Plasmonic Platform for Label-Free Detection of Membrane-Associated Species. 2016, 88, 7968-74	26 0
<ul><li>524</li><li>523</li><li>522</li><li>521</li><li>520</li></ul>	Facile Biomolecule-assisted Hydrothermal Synthesis of Ag Nanowires with Baseball-like Tips. 2016, 45, 711-713  Plasmonic Sensor Monolithically Integrated with a CMOS Photodiode. 2016, 3, 1926-1933  Biosensors for Early Disease Diagnosis. 2016, 235-270  Ultrasensitive Plasmonic Platform for Label-Free Detection of Membrane-Associated Species. 2016, 88, 7968-74  Ultrashort, Angstrom-Scale Decay of Surface-Enhanced Raman Scattering at Hot Spots. 2016, 120, 24973-249  Disordered array of Au covered Silicon nanowires for SERS biosensing combined with	26 0 19 8 <b>1</b> 3

Nanomaterial-Based Surface-Enhanced Raman Scattering Sensor. **2016**, 55-81

515	Enhancement of Sensitivity of the Solution-Phase Localized Surface Plasmon by a Nanostructured Substrate. <b>2016</b> , 1, 2059-2064	2
514	Photocatalytic Properties of TiO2 Composites Immobilized with Gold Nanoparticle Assemblies Using the Streptavidin-Biotin Interaction. <b>2016</b> , 32, 6459-67	10
513	Effects of the Substrate Refractive Index, the Exciting Light Propagation Direction, and the Relative Cube Orientation on the Plasmonic Coupling Behavior of Two Silver Nanocubes at Different Separations. <b>2016</b> , 120, 20896-20904	20
512	SERS detection of uranyl using functionalized gold nanostars promoted by nanoparticle shape and size. <b>2016</b> , 141, 5137-43	59
511	Surface Plasmon Sensor Based on a Dual DielectricBilver Photonic Crystal. <b>2016</b> , 37, 180-184	2
510	Detection of A∰Monomers and Oligomers: Early Diagnosis of Alzheimer's Disease. <b>2016</b> , 11, 805-17	39
509	Broadband Absorbing Exciton-Plasmon Metafluids with Narrow Transparency Windows. <b>2016</b> , 16, 1472-7	19
508	Molecular Occupancy of Nanodot Arrays. <b>2016</b> , 10, 4173-83	21
507	Phase-sensitive plasmonics biosensors: from bulk to nanoscale architechtures and novel functionalities. <b>2016</b> ,	3
506	Studying the kinetics of thiolsself-assembled monolayer formation in microfluidic channels. <b>2016</b> , 34, 397-406	
505	Ultrasensitive detection and quantification of E. coli O157:H7 using a giant magnetoimpedance sensor in an open-surface microfluidic cavity covered with an antibody-modified gold surface. <b>2016</b> , 183, 1831-1837	27
504	Optical interferometric sensor based on thin layers of nanoporous anodized aluminum containing nanoparticles of noble metals. <b>2016</b> , 11, 29-40	3
503	Superoxide-Mediated Extracellular Biosynthesis of Silver Nanoparticles by the FungusFusarium oxysporum. <b>2016</b> , 3, 160-165	38
502	Insight Mechanisms of Surface Structuring and Wettability of Ion-Treated Ag Thin Films. 2016, 120, 5755-576	3 33
501	Enzyme-coupled nanoplasmonic biosensing of cancer markers in human serum. <b>2016</b> , 81, 324-333	20
500	Dynamic tuning of plasmon resonance in the visible using graphene. <b>2016</b> , 41, 1241-4	46
499	A direct assay of carboxyl-containing small molecules by SALDI-MS on a AgNP/rGO-based nanoporous hybrid film. <b>2016</b> , 141, 2712-26	24

498	Calcinated gold nanoparticle arrays for on-chip, multiplexed and matrix-free mass spectrometric analysis of peptides and small molecules. <b>2016</b> , 8, 1665-75	29
497	Nanobowl array fabrication based on nanoimprint lithography. <b>2016</b> , 127, 145-147	5
496	Fabricating metal nanoparticle arrays at specified and localized regions of microfluidic chip for LSPR sensing. <b>2016</b> , 151, 7-11	5
495	Enhancing sensitivity of surface plasmon resonance biosensor by Ag nanocubes/chitosan composite for the detection of mouse IgG. <b>2016</b> , 146, 364-8	37
494	A novel nanobiosensor for the detection of paraoxon using chitosan-embedded organophosphorus hydrolase immobilized on Au nanoparticles. <b>2016</b> , 46, 559-66	20
493	Solar Energy for Fuels. <b>2016</b> ,	5
492	A review on plants extract mediated synthesis of silver nanoparticles for antimicrobial applications: A green expertise. <b>2016</b> , 7, 17-28	1416
491	Ag Nanostructures Produced by Glancing Angle Deposition with Remarkable Refractive Index Sensitivity. <b>2017</b> , 12, 631-640	4
490	Mild Binding of Protein to C N Monolayer Reveals Its Suitable Biocompatibility. 2017, 13, 1603685	28
489	Electrically Modulated Localized Surface Plasmon around Self-Assembled-Monolayer-Covered Nanoparticles. <b>2017</b> , 33, 1437-1441	7
488	Ultrasensitive SERS aptasensor for the detection of oxytetracycline based on a gold-enhanced nano-assembly. <b>2017</b> , 165, 412-418	40
487	Nanomaterials: Basic Concepts and Quantum Models. <b>2017</b> , 43-105	1
486	Studying substrate effects on localized surface plasmons in an individual silver nanoparticle using electron energy-loss spectroscopy. <b>2017</b> , 175, 116-120	11
485	Optical Biosensing of Bacteria and Bacterial Communities. <b>2017</b> , 1, 1	19
484	Metal-ion co-ordination assembly based multilayer of one dimensional gold nanostructures and catalase as electrochemical sensor for the analysis of hydrogen peroxide. <b>2017</b> , 245, 726-740	9
483	Polarization-dependent plasmon mode mapping of Ag nanowires based on two-photon excitation fluorescence of quantum dots. <b>2017</b> , 110, 153107	
482	Scalable nanoparticle assembly on carbon nanotubes using flash-induced dewetting. 2017, 51, 1299-1305	
481	Mechanistic Roles of Hydroxide in Controlling the Deposition of Gold on Colloidal Silver Nanocrystals. <b>2017</b> , 29, 4014-4021	28

## (2017-2017)

480	Optoelectronic Immunosensing. <b>2017</b> , 11, 5697-5705	35
479	Controllable synthesis of P(NIPAM-co-MPTMS)/PAAAu composite materials with tunable LSPR performance. <b>2017</b> , 52, 9584-9601	8
478	Molecular overlap with optical near-fields based on plasmonic nanolithography for ultrasensitive label-free detection by light-matter colocalization. <b>2017</b> , 96, 89-98	11
477	Nanoscale patterning of gold-coated optical fibers for improved plasmonic sensing. <b>2017</b> , 28, 215301	26
476	Highly sensitive amperometric biosensor based on AP@Hb for the detection of 1-pyrene butyric acid. <b>2017</b> , 250, 139-146	2
475	Bio-fabrication of catalytic platinum nanoparticles and their in vitro efficacy against lungs cancer cells line (A549). <b>2017</b> , 173, 368-375	25
474	Efficient end-to-end assembly of gold nanorods via cyclodextrin-bisphenol A based supramolecular linker. <b>2017</b> , 144, 168-172	7
473	Laser Ablation of Silver in Liquid Organic Monomer: Influence of Experimental Parameters on the Synthesized Silver Nanoparticles/Graphite Colloids. <b>2017</b> , 121, 6646-6654	7
472	A Review of Silver Nanoparticles: Research Trends, Global Consumption, Synthesis, Properties, and Future Challenges. <b>2017</b> , 64, 732-756	179
471	Tip-Specific Functionalization of Gold Nanorods for Plasmonic Biosensing: Effect of Linker Chain Length. <b>2017</b> , 33, 6503-6510	23
470	Synthesis and characterization of new tyrosine capped anisotropic silver nanoparticles and their exploitation for the selective determination of iodide ions. <b>2017</b> , 529, 128-136	8
469	Characterization of Ag-porous silicon nanostructured layer formed by an electrochemical etching of p-type silicon surface for bio-application. <b>2017</b> , 4, 065013	1
468	Gold-silver alloy semi-nanoshell arrays for label-free plasmonic biosensors. <b>2017</b> , 9, 10117-10125	24
467	The emergence of solar thermal utilization: solar-driven steam generation. <b>2017</b> , 5, 7691-7709	188
466	Tellurite Glasses for Plasmonics. <b>2017</b> , 301-330	2
465	Plasmonic nanoparticles and their analytical applications: A review. <b>2017</b> , 52, 774-820	53
464	Background-free three-dimensional selective imaging of anisotropic plasmonic nanoparticles. <b>2017</b> , 10, 1423-1433	10
463	Tunable Nanoantennas for Surface Enhanced Infrared Absorption Spectroscopy by Colloidal Lithography and Post-Fabrication Etching. <b>2017</b> , 7, 44069	25

462	Nanoplasmonic sensors for biointerfacial science. <b>2017</b> , 46, 3615-3660	147
461	Technological Advances in Tellurite Glasses. <b>2017</b> ,	20
460	Highly sensitive biosensors based on all-dielectric nanoresonators. <b>2017</b> , 9, 4972-4980	94
459	Applications of Surface Second Harmonic Generation in Biological Sensing. <b>2017</b> , 10, 387-414	48
458	Chemical interface damping of single gold nanorods with low sensitivity to the medium dielectric constant. <b>2017</b> , 676, 65-69	19
457	Three-dimensional donut-like gold nanorings with multiple hot spots for surface-enhanced raman spectroscopy. <b>2017</b> , 28, 045303	17
456	Clean and high-throughput production of silver nanoparticles mediated by soy protein via solid state synthesis. <b>2017</b> , 144, 501-510	68
455	Optical Fiber-Type Sugar Chip Using Localized Surface Plasmon Resonance. <b>2017</b> , 89, 1086-1091	15
454	Plasmon-induced photoelectrochemical biosensor for in situ real-time measurement of biotin-streptavidin binding kinetics under visible light irradiation. <b>2017</b> , 957, 70-75	5
453	Polarization insensitive plasmonic perfect absorber with coupled antisymmetric nanorod array. <b>2017</b> , 243, 617-625	23
452	Biosilica from diatoms microalgae: smart materials from bio-medicine to photonics. <b>2017</b> , 32, 279-291	44
451	Prompt synthesis of iridium organosol on DNA for catalysis and SERS applications. <b>2017</b> , 5, 11947-11957	8
450	Lattice plasmon effect on imaging resolution: Point-spread function enhancing. 2017, 267, 21-29	3
449	Gold nanoshurikens with uniform sharp tips for chemical sensing by the localized surface plasmon resonance. <b>2017</b> , 9, 17037-17043	17
448	Compact plasmonic optical biosensors based on nanostructured gradient index lenses integrated into microfluidic cells. <b>2017</b> , 9, 17378-17386	12
447	Geometry and near-field coupling effects on the refractive-index sensitivities of individual Ag nanoparticle sensors. <b>2017</b> , 123, 1	6
446	Chemical Printing of Biological Tissue by Gold Nanoparticle-Assisted Laser Ablation. <b>2017</b> , 2, 6031-6038	3
445	One-Step Synthesis of Stable Colloidal Gold Nanoparticles Through Bioconjugation with Bovine Serum Albumin in Harsh Environments. <b>2017</b> , 28, 3193-3207	5

444	Seed geometry and hydrogen bonding dependent plasmonic tuning of silver nanocrystals in a citrateBydrazine matrix and SERS spectroscopic detection of chromium. <b>2017</b> , 7, 45911-45919	3
443	Monolithic Two-Dimensional Photonic Crystal Reflectors for the Fabrication of Highly Efficient and Highly Transparent Dye-Sensitized Solar Cells. <b>2017</b> , 9, 37006-37012	11
442	Multifunctional metamaterial sensor applications based on chiral nihility. <b>2017</b> , 49, 1	12
441	High Figure of Merit (FOM) of Bragg Modes in Au-Coated Nanodisk Arrays for Plasmonic Sensing. <b>2017</b> , 13, 1700908	13
440	Potential Application of Biosensor in Food Nutrition Labeling. 2017,	1
439	Surface/interface influence on specific heat capacity of solid, shell and core-shell nanoparticles. <b>2017</b> , 127, 884-888	18
438	Large-Area Patterning of Metal Nanostructures by Dip-Pen Nanodisplacement Lithography for Optical Applications. <b>2017</b> , 13, 1702003	24
437	Synthesis, Assembly, and Applications of Hybrid Nanostructures for Biosensing. <b>2017</b> , 117, 12942-13038	191
436	Recent Advances and Perspectives in Microfluidics-Based Single-Cell Biosensing Techniques. <b>2017</b> , 1, 1700192	12
435	Surfactant-Free Vapor-Phase Synthesis of Single-Crystalline Gold Nanoplates for Optimally Bioactive Surfaces. <b>2017</b> , 29, 8747-8756	22
434	Capturing PlasmonMolecule Dynamics in Dye Monolayers on Metal Nanoparticles Using Classical Electrodynamics with Quantum Embedding. <b>2017</b> , 121, 16932-16942	12
433	Nanoparticle-Based Immunochemical Biosensors and Assays: Recent Advances and Challenges. <b>2017</b> , 117, 9973-10042	390
432	Surface-enhanced Raman spectroscopy combined with gold nanorods for the simultaneous quantification of nitramine energetic materials. <b>2017</b> , 7, 37039-37047	13
431	Flexible Plasmonic Color Filters Fabricated via Nanotransfer Printing with Nanoimprint-Based Planarization. <b>2017</b> , 9, 27351-27356	30
430	Light intensity field enhancement (LIFE) induced localized edge abrasion of silica-coated silver nanoprisms. <b>2017</b> , 9, 15356-15361	4
429	High performance optical systems using MIM based plasmonic structures. <b>2017</b> , 1, 035007	2
428	Indirect Nanoplasmonic Sensing Platform for Monitoring Temperature-Dependent Protein Adsorption. <b>2017</b> , 89, 12976-12983	29
427	Synthesis of phytochemicals-stabilized gold nanoparticles and their biological activities against bacteria and Leishmania. <b>2017</b> , 110, 304-312	25

426	Oblique Colloidal Lithography for the Fabrication of Nonconcentric Features. 2017, 11, 6594-6604	11
425	Plasmon resonances in a two-dimensional lattice of metal particles in a dielectric layer: Structural and polarization properties. <b>2017</b> , 124, 584-591	10
424	Plasmonic resonances in hexagonal split-ring resonator. <b>2017</b> ,	1
423	Antigen detection using fluorophore-modified antibodies and magnetic microparticles. <b>2017</b> , 238, 441-446	2
422	Validation of a new and cost-effective method for mercury vapor removal based on silver nanoparticles coating on micro glassy balls. <b>2017</b> , 8, 359-365	11
421	Rapid synthesis of colloidal silver triangular nanoprisms and their promotion of TiO2 photocatalysis on methylene blue under visible light. <b>2017</b> , 90, 75-78	21
420	Smart Nanomaterials. <b>2017</b> , 219-276	1
419	Metal Nanoparticles in Nanomedicine: Advantages and Scope. <b>2017</b> , 121-168	3
418	Applications of Metal Nanoparticles in Medicine/Metal Nanoparticles as Anticancer Agents. 2017, 169-190	4
417	Projection method for improving signal to noise ratio of localized surface plasmon resonance biosensors. <b>2017</b> , 8, 446-459	8
416	Improved self-referenced biosensing with emphasis on multiple-resonance nanorod sensors. <b>2017</b> , 25, 24803-24815	2
415	Designing of a Plasmonic High Pass Wavelength Filter With Apodized Grating Waveguide. 2017,	
414	Poly-L-arginine Coated Silver Nanoprisms and Their Anti-Bacterial Properties. 2017, 7,	19
413	Surface-Enhanced Spectroscopy for Surface Characterization. <b>2017</b> , 115-154	
412	Surface plasmon-enhanced fluorescence on Au nanohole array for prostate-specific antigen detection. <b>2017</b> , 12, 2307-2314	19
411	Biotechnological Applications of Green Synthesized Silver Nanoparticles. <b>2017</b> , 02,	45
410	Fundamentals and commercial aspects of nanobiosensors in point-of-care clinical diagnostics. <b>2018</b> , 8, 149	78
409	Nanoparticles for Protein Sensing in Primary Containers: Interaction Analysis and Application. <b>2018</b> , 19, 1672-1680	1

408	Restriction Enzymes as a Target for DNA-Based Sensing and Structural Rearrangement. 2018, 3, 495-502	6
407	The tuning of the plasmon resonance of the metal nanoparticles in terms of the SERS effect. <b>2018</b> , 296, 1029-1037	32
406	Plasmon-enhanced ZnO whispering-gallery mode lasing. <b>2018</b> , 11, 3050-3064	46
405	A simple and greenItechnique to synthesize long-term stability colloidal Ag nanoparticles: Fs laser ablation in a biocompatible aqueous medium. <b>2018</b> , 140, 320-332	14
404	Bioconjugated Nanostructured Metals and Metal Oxides for Biosensors. 2018, 105-125	1
403	Localized surface plasmon resonance based biosensing. <b>2018</b> , 18, 279-296	42
402	Quantitative investigation on the critical thickness of the dielectric shell for metallic nanoparticles determined by the plasmon decay length. <b>2018</b> , 29, 165501	3
401	Development of cost-effective plasmonic biosensor using partially embedded gold nanoparticles for detection of immunoglobulin proteins. <b>2018</b> , 5, 025031	4
400	Plasmonic parametric resonance. <b>2018</b> , 97,	9
399	Magneto-Optical Tuning of Refractive Index for Bidispersed Ferrofluid. 2018, 105-109	
399 398	Magneto-Optical Tuning of Refractive Index for Bidispersed Ferrofluid. 2018, 105-109  Solid state ITO Au-NPs TiO2 plasmonic based solar cells. 2018, 179, 254-259	10
	Solid state ITO Au-NPs TiO2 plasmonic based solar cells. <b>2018</b> , 179, 254-259	10
398	Solid state ITO Au-NPs TiO2 plasmonic based solar cells. <b>2018</b> , 179, 254-259	17
398	Solid state ITO Au-NPs TiO2 plasmonic based solar cells. <b>2018</b> , 179, 254-259  Tailoring Optical Properties of a Large-Area Plasmonic Gold Nanoring Array Pattern. <b>2018</b> , 122, 13443-13449	17
398 397 396	Solid state ITO Au-NPs TiO2 plasmonic based solar cells. <b>2018</b> , 179, 254-259  Tailoring Optical Properties of a Large-Area Plasmonic Gold Nanoring Array Pattern. <b>2018</b> , 122, 13443-13449  Whole-Cell Pseudomonas aeruginosa Localized Surface Plasmon Resonance Aptasensor. <b>2018</b> , 90, 2326-2332  A Mass-Producible and Versatile Sensing System: Localized Surface Plasmon Resonance Excited by	17 41
398 397 396 395	Solid state ITO Au-NPs TiO2 plasmonic based solar cells. <b>2018</b> , 179, 254-259  Tailoring Optical Properties of a Large-Area Plasmonic Gold Nanoring Array Pattern. <b>2018</b> , 122, 13443-13449  Whole-Cell Pseudomonas aeruginosa Localized Surface Plasmon Resonance Aptasensor. <b>2018</b> , 90, 2326-2332  A Mass-Producible and Versatile Sensing System: Localized Surface Plasmon Resonance Excited by Individual Waveguide Modes. <b>2018</b> , 3, 334-341  Double-exponential refractive index sensitivity of metal-semiconductor core-shell nanoparticles:	17 41 6
398 397 396 395 394	Solid state ITO Au-NPs TiO2 plasmonic based solar cells. 2018, 179, 254-259  Tailoring Optical Properties of a Large-Area Plasmonic Gold Nanoring Array Pattern. 2018, 122, 13443-13449  Whole-Cell Pseudomonas aeruginosa Localized Surface Plasmon Resonance Aptasensor. 2018, 90, 2326-2332  A Mass-Producible and Versatile Sensing System: Localized Surface Plasmon Resonance Excited by Individual Waveguide Modes. 2018, 3, 334-341  Double-exponential refractive index sensitivity of metal-semiconductor core-shell nanoparticles: the effects of dual-plasmon resonances and red-shift 2018, 8, 1700-1705	17 41 6 9

390	Topological Engineering of Interfacial Optical Tamm States for Highly Sensitive Near-Singular-Phase Optical Detection. <b>2018</b> , 5, 929-938	51
389	Sensitivity enhancement of localized SPR sensor towards Pb(II) ion detection using natural bio-polymer based carrageenan. <b>2018</b> , 168, 784-793	26
388	Electrochemical Fabrication and Sensing Application of Multicolored Silver Films. 2018, 5, 1800277	5
387	A bumpy gold nanostructure exhibiting DNA-engineered stimuli-responsive SERS signals. <b>2018</b> , 10, 9455-9459	9
386	Nanoplasmonic Sensing from the Human Vision Perspective. <b>2018</b> , 90, 4916-4924	29
385	Preparation of free-standing multilayer hemispherical shell thin film using monodisperse polymer template. <b>2018</b> , 730, 369-375	3
384	Active Plasmonics: Principles, Structures, and Applications. 2018, 118, 3054-3099	340
383	Visible light driven plasmonic photochemistry on nano-textured silver. <b>2017</b> , 20, 238-246	7
382	Ultra-narrow surface lattice resonances in plasmonic metamaterial arrays for biosensing applications. <b>2018</b> , 104, 102-112	57
381	Integration of biomimicry and nanotechnology for significantly improved detection of circulating tumor cells (CTCs). <b>2018</b> , 125, 36-47	13
380	Optimizing the concentration of colloidal suspensions in convective assembly of centimeter-sized uniform monolayer colloidal crystals. <b>2018</b> , 434, 898-904	5
379	Ultrasensitive detection of Ebola matrix protein in a memristor mode. <b>2018</b> , 11, 1057-1068	23
378	The decomposition of mixed oxide Ag2Cu2O3: Structural features and the catalytic properties in CO and C2H4 oxidation. <b>2018</b> , 427, 363-374	14
377	. 2018,	6
376	Size-selected silver nanoparticles for MALDI-TOF mass spectrometry of amyloid-beta peptides. <b>2018</b> , 10, 22044-22054	17
375	Smartphone based LSPR biosensor. <b>2018</b> ,	1
374	High-sensitivity refractive index of Au@Cu S core-shell nanorods 2018, 8, 35005-35013	3
373	New trends in plasmonic (bio)sensing. 2018, 90, 779-801	8

372 Design of Surface Plasmon Ring Resonator Based Label-free Biosensors. **2018**,

371	Design and simulation of MEMS microvalves for silicon photonic biosensor chip. <b>2018</b> , 57, 04FC10	Ο
370	Monitoring the Seed-Mediated Growth of Gold Nanoparticles Using in Situ Second Harmonic Generation and Extinction Spectroscopy. <b>2018</b> , 122, 24400-24406	16
369	Design Rules for Template-Confined DNA-Mediated Nanoparticle Assembly. <b>2018</b> , 14, e1802742	9
368	Germanium as a scalable sacrificial layer for nanoscale protein patterning. 2018, 13, e0195062	3
367	Different Instrumentation Techniques. <b>2018</b> , 43-67	1
366	Nanobiosensors. <b>2018</b> , 69-96	О
365	Green Tiny Magnets: An Economic and Eco-friendly Remedy for Environmental Damage. <b>2018</b> , 245-292	1
364	Preparation of Anodic Aluminum Oxide Masks with Size-Controlled Pores for 2D Plasmonic Nanodot Arrays. <b>2018</b> , 2018, 1-9	6
363	Green Synthesis of Metal, Metal Oxide Nanoparticles, and Their Various Applications. 2018, 1-45	15
362	A Simple Procedure to Assemble Silver and Gold Noble Metal Nanoparticles. 2018, 09,	3
361	Tamm plasmon-polaritons in a metal coated porous silicon photonic crystal. <b>2018</b> , 8, 2774	19
360	Plasmonic nano-arrays for ultrasensitive bio-sensing. <b>2018</b> , 7, 1517-1531	47
359	Thermal and Plasmonic Stabilization of Silver Nanostructures Using a Bilayer Anchoring Technique. <b>2018</b> , 10, 33630-33639	5
358	Plasmonic polymer nanocomposites. <b>2018</b> , 3, 375-391	117
357	Multilayered Nanoplasmonic Arrays for Self-Referenced Biosensing. <b>2018</b> , 10, 34774-34780	9
356	DNA-triangular silver nanoparticles nanoprobe for the detection of dengue virus distinguishing serotype. <b>2018</b> , 202, 346-351	10
355	Tunable syngas production from photocatalytic CO reduction with mitigated charge recombination driven by spatially separated cocatalysts. <b>2018</b> , 9, 5334-5340	65

354	Effect of graphene layer on the localized surface plasmon resonance (LSPR) and the sensitivity in periodic nanostructure. <b>2018</b> , 31, 107-114	12
353	Experimentalstudy of metasurface-based nanoantennas array fabricated using heavy ion tracking for biochemistry sensing. <b>2018</b> , 273, 815-820	7
352	An interferometric optical fiber biosensor with high sensitivity for IgG/anti-IgG immunosensing. <b>2018</b> , 426, 388-394	21
351	Robust clicked assembly based on iron oxide nanoparticles for a new type of SPR biosensor. <b>2018</b> , 6, 9102-9110	21
350	Impact of substrate etching on plasmonic elements and metamaterials: preventing red shift and improving refractive index sensitivity. <b>2018</b> , 26, 3674-3683	7
349	Color rendering based on a plasmon fullerene cavity. <b>2018</b> , 26, 9984-9999	2
348	Ag-coated submicron particles of polystyrene formed by dewetting process and their application in multi-functional biosensor-chips. <b>2018</b> , 558, 171-178	5
347	Transition States of Nanocrystal Thin Films during Ligand-Exchange Processes for Potential Applications in Wearable Sensors. <b>2018</b> , 10, 25502-25510	6
346	Direct Visualization of Photomorphic Reaction Dynamics of Plasmonic Nanoparticles in Liquid by Four-Dimensional Electron Microscopy. <b>2018</b> , 9, 4045-4052	7
345	Au Nanoparticle Sub-Monolayers Sandwiched between Sol-Gel Oxide Thin Films. 2018, 11,	1
344	Quantitative Comparison of Protein Adsorption and Conformational Changes on Dielectric-Coated Nanoplasmonic Sensing Arrays. <b>2018</b> , 18,	14
343	Refractive index sensing using a light trapping cavity: A theoretical study. <b>2018</b> , 123, 233103	3
342	How to accurately predict solution-phase gold nanostar stability. <b>2018</b> , 410, 6113-6123	22
341	Plasmonics. <b>2018</b> , 425-458	1
340	Stable and selective self-assembly of Hipoic acid on Ge(001) for biomolecule immobilization. <b>2018</b> , 123, 175305	4
339	Spontaneous Formation of Nanochains from Triangular Silver Nanoplates. <b>2018</b> , 53, 1800095	2
338	pH triggered green synthesized silver nanoparticles toward selective colorimetric detection of kanamycin and hazardous sulfide ions. <b>2018</b> , 269, 269-277	18
337	Novel facets of multifunctional Ag@Fe3O4 core-shell nanoparticles for multimodal imaging applications. <b>2018</b> , 124, 074901	7

336	Surface plasmon resonance biosensor based on graphene oxide/silver coated polymer cladding silica fiber. <b>2018</b> , 275, 332-338	61
335	Preliminary Study on Biosensor-Type Time-Temperature Integrator for Intelligent Food Packaging. <b>2018</b> , 18,	20
334	Plasmonic Surface Lattice Resonances: A Review of Properties and Applications. <b>2018</b> , 118, 5912-5951	517
333	Nanometer Scale Confined Growth of Single-Crystalline Gold Nanowires via Photocatalytic Reduction. <b>2018</b> , 10, 20929-20937	3
332	Synthesis of AgHe3O4 nanoparticles supported on polydopamine-functionalized porous cellulose acetate microspheres: catalytic and antibacterial applications. <b>2018</b> , 25, 4771-4782	22
331	Progress and Challenges of Nanotechnology in Food Engineering. <b>2018</b> , 87-112	1
330	Effect of MoS2 layer on the LSPR in periodic nanostructures. 2018, 171, 237-246	11
329	Significantly improved photoluminescence of the green-emitting	2
328	Microscale and Nanoscale Electrophotonic Diagnostic Devices. <b>2019</b> , 9,	1
327	Plasmonic catalysis of Ag nanoparticles deposited on CeO2 modified mesoporous silica for the nitrostyrene reduction under light irradiation conditions. <b>2019</b> , 324, 83-89	29
326	Effect of nanoparticle shape on the conductivity of Ag nanoparticle poly(vinyl alcohol) composite films. <b>2019</b> , 68, 1961-1967	7
325	Tunable near-perfect absorption through interaction between localized surface plasmons modes in optical metamaterials. <b>2019</b> , 51, 1	1
324	Plasmonic nano bow-tie arrays with enhanced LSPR refractive index sensing. <b>2019</b> , 14, 566-571	7
323	Improving sensitivity of mercury detection using learning based smartphone colorimetry. <b>2019</b> , 298, 126942	41
322	Investigation on the correlation between solar absorption and the size of non-metallic nanoparticles. <b>2019</b> , 21, 1	2
321	In Situ Contact Angle Tuning of Silver Nanostructures by Laser Heating in Different Fluid Ambient. <b>2019</b> , 35, 10744-10751	3
320	A review of 2D and 3D plasmonic nanostructure array patterns: fabrication, light management and sensing applications. <b>2019</b> , 8, 2065-2089	113
319	Reviews in Plasmonics 2017. <b>2019</b> ,	2

318	High-Resolution Analysis of Small Silver Clusters by Analytical Ultracentrifugation. 2019, 10, 6558-6564	9
317	Formation of silver particles for SERS spectroscopy by mist chemical vapor deposition method. <b>2019</b> , 58, 120908	3
316	Tunable Visible-Light Surface Plasmon Resonance of Molybdenum Oxide Thin Films Fabricated by E-beam Evaporation. <b>2019</b> , 1, 2389-2395	16
315	Janus shaped plasmonic-magnetic silver-magnetite nanostructures for multimodal applications. <b>2019</b> , 58, 105001	1
314	Photoemission Electron Microscopy for Analysis of Plasmonic Responses of Silver Nanoparticles. <b>2019</b> , 25, 2216-2217	
313	Time-Resolved Study of Site-Specific Corrosion in a Single Crystalline Silver Nanoparticle. <b>2019</b> , 14, 240	2
312	Lightning-Rod Effect of Plasmonic Field Enhancement on Hydrogen-Absorbing Transition Metals. <b>2019</b> , 9,	13
311	Plasmonic bimetallic nanodisk arrays for DNA conformation sensing. <b>2019</b> , 11, 19291-19296	4
310	Design and parametric simulation of triangle nano-particle structures for the visible and near-infrared frequencies. <b>2019</b> , 1, 1	O
309	Growth Kinetics and Sensing Features of Colloidal Silver Nanoplates. <b>2019</b> , 2019, 1-8	10
308	Peptide Functionalization of Gold Nanoparticles for the Detection of Carcinoembryonic Antigen in Blood Plasma via SPR-Based Biosensor. <b>2019</b> , 7, 40	21
307	The Effect of Nanomaterials on the Drug Analysis Performance of Nanosensors. <b>2019</b> , 79-118	3
306	Optical Nanosensors for Pharmaceutical Detection. <b>2019</b> , 119-140	2
305	What Does Nanoparticle Stability Mean?. <b>2019</b> , 123, 16495-16507	102
304	Silver-Based Plasmonic Nanoparticles for and Their Use in Biosensing. <b>2019</b> , 9,	135
303	Patterned plasmonic gradient for high-precision biosensing using a smartphone reader. <b>2019</b> , 11, 12471-1247	<b>6</b> 8
302	Study the Effect of Chemical Treatment on Substrate Surface on the Formation Nanodots Array and its Optical Properties. <b>2019</b> , 889, 95-101	
301	Instant Sensitive Measurement of Hg Concentration Using Lab-on-a-Phone Colorimetry. <b>2019</b> , 216, 1800871	4

300	Biological Responses to Nanoscale Particles. <b>2019</b> ,	3
299	Synthesis of Metallic and Metal Oxide Particles. <b>2019</b> , 3-27	2
298	Improved electrocatalytic activity of Au@FeO magnetic nanoparticles for sensitive dopamine detection. <b>2019</b> , 180, 1-8	39
297	Flexible and Stretchable Photonic Sensors Based on Modulation of Light Transmission. <b>2019</b> , 7, 1900329	29
296	Highly selective and sensitive probes for the detection of Cr(vi) in aqueous solutions using diglycolic acid-functionalized Au nanoparticles <b>2019</b> , 9, 10958-10965	8
295	Theoretical investigation of size, shape, and aspect ratio effect on the LSPR sensitivity of hollow-gold nanoshells. <b>2019</b> , 150, 144116	40
294	Optimal geometry parameter for plasmonic sensitivities of individual Au nanopoarticle sensors. <b>2019</b> , 21, 7654-7660	10
293	Optical transducers: Optical molecular sensing and spectroscopy. <b>2019</b> , 231-309	2
292	ReaxFF MD Simulations of Peptide-Grafted Gold Nanoparticles. <b>2019</b> , 35, 5029-5036	11
291	Does Nitrate Reductase Play a Role in Silver Nanoparticle Synthesis? Evidence for NADPH as the Sole Reducing Agent. <b>2019</b> , 7, 8070-8076	32
290	Plasmonic magneto-optical nested 2D nanostructures: Tailoring responses through effective refractive index. <b>2019</b> , 485, 54-60	3
289	Nanostructured gold dispersed polyethylmethaacrylate/dextran hybrid composites for packaging applications. <b>2019</b> , 58, 2019-2030	1
288	The generation of multiple electric and magnetic Fano resonances in the prefect ring-triple arcs ring nanostructure. <b>2019</b> , 6, 075022	1
287	An Introduction to Nanotechnology. <b>2019</b> , 28, 1-27	52
286	Green Synthesis of Metal, Metal Oxide Nanoparticles, and Their Various Applications. <b>2019</b> , 2281-2325	2
285	Silver Nanoparticles: Synthesis and Application for Nanomedicine. <b>2019</b> , 20,	498
284	Single Particle Electrochemistry of Collision. <b>2019</b> , 15, e1804908	18
283	Surface Plasmon Resonance Spectroscopy for Single Particle Nanocatalysis/Reaction. <b>2019</b> , 145-179	

282	Single gold-bridged nanoprobes for identification of single point DNA mutations. 2019, 10, 836	36
281	Computational nanoplasmonics in the quasistatic limit for biosensing applications. <b>2019</b> , 100, 063305	4
280	Tailoring a periodic metal nanoantenna array using low cost template-assisted lithography. <b>2019</b> , 7, 13818-1	3828
279	X-ray irradiation of graphite solution from carbon rods of zinc-carbon battery wastes assisted by commercial detergent. <b>2019</b> ,	
278	Plasmonic Sensing on Symmetric Nanohole Arrays Supporting High-Q Hybrid Modes and Reflection Geometry. <b>2019</b> , 4, 3265-3274	23
277	Monitoring the growth dynamics of colloidal gold-silver core-shell nanoparticles using in situ second harmonic generation and extinction spectroscopy. <b>2019</b> , 151, 224701	9
276	Deposition and patterning of gold nanostructures on various wettable and nonwettable patterned surfaces. <b>2019</b> , 6, 125042	2
275	Revealing the interaction strategy of Diosmin functionalized gold nanoparticles with ctDNA: Multi-spectroscopic, calorimetric and thermodynamic approach. <b>2019</b> , 205, 265-276	7
274	Surface Plasmon Assisted Luminescence Enhancement of Ag NP/NWs-Doped SiO2-TiO2-ZrO2:Eu3+Ternary System. <b>2019</b> , 14, 673-683	6
273	Biomolecule Sensor Based on Azlactone-Modified Hydrogel Films. <b>2019</b> , 40, e1800674	6
272	Silver nanoparticle modulates the aggregation of beta-lactoglobulin and induces to form rod-like aggregates. <b>2019</b> , 125, 596-604	7
271	Symmetry Breaking-Induced Plasmonic Mode Splitting in Coupled Gold-Silver Alloy Nanodisk Array for Ultrasensitive RGB Colorimetric Biosensing. <b>2019</b> , 11, 2273-2281	19
270	Bacteria functionalized gold nanoparticle matrix based fiber-optic sensor for monitoring heavy metal pollution in water. <b>2019</b> , 281, 643-651	30
269	Dewetted nanostructures of gold, silver, copper, and palladium with enhanced faceting. <b>2019</b> , 165, 15-25	13
268	Plasmoelectronic-Based Ultrasensitive Assay of Tumor Suppressor microRNAs Directly in Patient Plasma: Design of Highly Specific Early Cancer Diagnostic Technology. <b>2019</b> , 91, 1894-1903	22
267	Ag-graphene/PEG composite phase change materials for enhancing solar-thermal energy conversion and storage capacity. <b>2019</b> , 237, 83-90	160
266	Highly Sensitive Voltammetric Glucose Biosensor Based on Glucose Oxidase Encapsulated in a Chitosan/Kappa-Carrageenan/Gold Nanoparticle Bionanocomposite. <b>2019</b> , 19,	33
265	Optimization of a liquid refractive index sensor based on an integrated optic slot-waveguide directional coupler. <b>2019</b> , 180, 984-990	O

# (2020-2019)

264	Polymer Composites With Metal Nanoparticles: Synthesis, Properties, and Applications. <b>2019</b> , 249-286	14
263	Optical Biomarker-based Biosensors for Cancer/Infectious Disease Medical Diagnoses. <b>2019</b> , 27, 278-286	17
262	Bidimensional ordered plasmonic nanoarrays for nonlinear optics, nanophotonics and biosensing applications. <b>2019</b> , 92, 2-9	22
261	Microfluidics application for detection of biological warfare agents. <b>2020</b> , 103-131	1
260	Recent advances of lanthanide-doped upconversion nanoparticles for biological applications. <b>2020</b> , 31, 072001	34
259	Hybrid Dielectric-Plasmonic Nanocomposite Arrays for Bulk and Local Refractive Index Sensing. <b>2020</b> , 15, 441-447	8
258	Size effect of metal nanodome arrays on performance of plasmonic biosensor. <b>2020</b> , 59, SDDF03	4
257	Optimal Aspect Ratio and Excitation Spectral Region of LSPR Sensors Using Individual Au Dimmeric Nanoplates. <b>2020</b> , 15, 949-955	4
256	Nanotechnology and Microfluidics for Biosensing and Biophysical Property Assessment. <b>2020</b> , 83-107	1
255	. 2020,	4
<sup>255</sup>	. 2020,  Direct Surface Enhanced Raman Spectroscopic Detection of Cortisol at Physiological Concentrations. 2020, 92, 2052-2057	13
	Direct Surface Enhanced Raman Spectroscopic Detection of Cortisol at Physiological	
254	Direct Surface Enhanced Raman Spectroscopic Detection of Cortisol at Physiological Concentrations. <b>2020</b> , 92, 2052-2057  Modulation of the plasmonic characteristics of Ti-Zr ternary nitride thin films by assisting ions. <b>2020</b>	13
<sup>254</sup>	Direct Surface Enhanced Raman Spectroscopic Detection of Cortisol at Physiological Concentrations. 2020, 92, 2052-2057  Modulation of the plasmonic characteristics of Ti-Zr ternary nitride thin films by assisting ions. 2020, 505, 144579  Efficient Photocatalysis of Composite Films Based on Plasmon-Enhanced Triplet-Triplet	13
<sup>254</sup> <sup>253</sup>	Direct Surface Enhanced Raman Spectroscopic Detection of Cortisol at Physiological Concentrations. 2020, 92, 2052-2057  Modulation of the plasmonic characteristics of Ti-Zr ternary nitride thin films by assisting ions. 2020, 505, 144579  Efficient Photocatalysis of Composite Films Based on Plasmon-Enhanced Triplet-Triplet Annihilation. 2020, 12, 717-726  A 3D mutilayer curved plasmonic coupling array with abundant and uniform hot spots for	13 4 12
<ul><li>254</li><li>253</li><li>252</li><li>251</li></ul>	Direct Surface Enhanced Raman Spectroscopic Detection of Cortisol at Physiological Concentrations. 2020, 92, 2052-2057  Modulation of the plasmonic characteristics of Ti-Zr ternary nitride thin films by assisting ions. 2020, 505, 144579  Efficient Photocatalysis of Composite Films Based on Plasmon-Enhanced Triplet-Triplet Annihilation. 2020, 12, 717-726  A 3D mutilayer curved plasmonic coupling array with abundant and uniform hot spots for surface-enhanced Raman scattering. 2020, 53, 055101  Localized surface plasmon resonance aptasensor for the highly sensitive direct detection of cortisol	13 4 12 5
254 253 252 251 250	Direct Surface Enhanced Raman Spectroscopic Detection of Cortisol at Physiological Concentrations. 2020, 92, 2052-2057  Modulation of the plasmonic characteristics of Ti-Zr ternary nitride thin films by assisting ions. 2020, 505, 144579  Efficient Photocatalysis of Composite Films Based on Plasmon-Enhanced Triplet-Triplet Annihilation. 2020, 12, 717-726  A 3D mutilayer curved plasmonic coupling array with abundant and uniform hot spots for surface-enhanced Raman scattering. 2020, 53, 055101  Localized surface plasmon resonance aptasensor for the highly sensitive direct detection of cortisol in human saliva. 2020, 304, 127424  Controlling distance, size and concentration of nanoconjugates for optimized LSPR based	13 4 12 5 36

246	Sennoside A drug capped biogenic fabrication of silver nanoparticles and their antibacterial and antifungal activities. <b>2020</b> , 28, 1035-1048	11
245	Periodic Silver and Gold Nanodot Array Fabrication on Nanosphere Lithography-Based Patterns Using Electroless Deposition. <b>2020</b> , 124, 15646-15655	7
244	Nanoparticles Engineering by Pulsed Laser Ablation in Liquids: Concepts and Applications. 2020, 10,	43
243	A statistical approach to controlling the size of aluminum nanoparticles synthesized by pulsed laser ablation in liquid. <b>2020</b> , 111, 3393-3404	О
242	High Performance Detection of Alzheimer Disease Biomarkers Based on Localized Surface Plasmon Resonance. <b>2020</b> , 91, 182-190	8
241	Supported and Suspended 2D Material-Based FET Biosensors. <b>2020</b> , 1, 260-277	5
240	Novel Green Silver Nanoparticles as Matrix in the Detection of Small Molecules Using Matrix-Assisted Laser Desorption Ionization Mass Spectrometry (MALDI-MS). <b>2020</b> , 1	1
239	Lab-on-Membrane Platform Coupled with Paper Spray Ionization for Analysis of Prostate-Specific Antigen in Clinical Settings. <b>2020</b> , 92, 13298-13304	9
238	Advances in Nanotechnology and Its Applications. 2020,	
237	Femtosecond Plasmonic Laser Nanosurgery (fs-PLN) mediated by molecularly targeted gold nanospheres at ultra-low pulse fluences. <b>2020</b> , 10, 12387	7
236	Trends and applications of intelligent packaging in dairy products: a review. 2020, 1-15	22
235	Plasmon-generated hot holes for chemical reactions. <b>2020</b> , 13, 3183-3197	25
234	Tuning of Ag Nanoparticle Properties in Cellulose Nanocrystals/Ag Nanoparticle Hybrid Suspensions by HO Redox Post-Treatment: The Role of the HO/AgNP Ratio. <b>2020</b> , 10,	4
233	. 2020,	1
232	Fabrication of zinc/silver binary nanoparticles, their enhanced microbial and adsorbing properties. <b>2020</b> , 13, 7921-7938	3
231	Gold nanoparticle-coupled liposomes for enhanced plasmonic biosensing. <b>2020</b> , 2, 100023	3
230	Multifunctional green silver nanoparticles in pharmaceutical and biomedical applications. <b>2020</b> , 13, 316-327	4
229	Interaction of gold nanoparticles with cholesterol oxidase enzyme in bionanocomplexdetermination of the protein structure by Fourier transform infrared spectroscopy. <b>2020</b> , 22, 1	7

228	Sensing Biomarkers with Plasmonics. <b>2020</b> , 92, 7373-7381	20
227	Chiral Near-Fields Induced by Plasmonic Chiral Conic Nanoshell Metallic Nanostructure for Sensitive Biomolecule Detection. <b>2020</b> , 124, 13912-13919	6
226	Scalable nanolaminated SERS multiwell cell culture assay. <b>2020</b> , 6, 47	8
225	Zeta Potential Dependent Self-Assembly for Very Large Area Nanosphere Lithography. <b>2020</b> , 20, 5090-5096	14
224	Adhesion layer-free attachment of gold on silicon wafer and its application in localized surface plasmon resonance-based biosensing. <b>2020</b> , 312,	1
223	Design and Realization of a Perfect Metamaterial Absorber in Terahertz Band. <b>2020</b> , 15, 1875-1882	1
222	Introduction to Active, Smart, and Intelligent Nanomaterials for Biomedical Application. 2020, 1-16	2
221	Aqueous phosphorous adsorption onto SnO2 and WO3 nanoparticles in batch mode: kinetic, isotherm and thermodynamic study. <b>2020</b> , 15, 242-265	6
220	Plasmonic Coupling of One-Dimensional Palladium Nanoparticle Chains. <b>2020</b> , 15, 2050060	1
219	Refractive index sensitivity of triangular Ag nanoplates in solution and on glass substrate. <b>2020</b> , 305, 111948	8
218	Basics of Biosensors and Nanobiosensors. <b>2020</b> , 1-22	6
217	New Brush Copolymers as an Effective Dispersant for Stabilizing Concentrated Suspensions of Silver Nanoparticles. <b>2020</b> , 36, 3377-3385	3
216	Biogenic metal nanoparticles as a potential class of antileishmanial agents: mechanisms and molecular targets. <b>2020</b> , 15, 809-828	11
215	Development of biosensors for detection of alpha-fetoprotein: As a major biomarker for hepatocellular carcinoma. <b>2020</b> , 130, 115961	23
214	Nanosensors for better diagnosis of health. <b>2020</b> , 187-228	0
213	Design of silver nanoparticles with graphene coatings layers used for LSPR biosensor applications. <b>2020</b> , 180, 109497	20
212	Nanosensors in biomedical and environmental applications: Perspectives and prospects. <b>2020</b> , 163-186	4
211	CoFe2O4Ee3O4 bimagnetic heterostructure: a versatile core-shell nanoparticle with magnetically recoverable photocatalytic and self heating properties. <b>2020</b> , 7, 016111	2

210	Chemically modified nucleic acid biopolymers used in biosensing. <b>2020</b> , 4, 1315-1327	5
209	Interfacial effect of dual ultra-thin SiO core-triple shell Au@SiO@Ag@SiO for ultra-sensitive trinitrotoluene (TNT) detection <b>2020</b> , 10, 3826-3831	1
208	Integrative Nanomedicine for New Therapies. 2020,	1
207	Using a Brush Copolymer as Efficient Dispersant for the Preparation of Highly Stabilized Ag Nanoparticles in Aqueous Suspensions. <b>2020</b> , 23, 841-851	
206	Enhancing biosensing sensitivity of metal nanostructures through site-selective binding. <b>2020</b> , 10, 1024	9
205	Vapor phase processing: a novel approach for fabricating functional hybrid materials. <b>2020</b> , 31, 342001	13
204	A fibrinogen biosensing platform based on plasmonic Ga nanoparticles and aminosilanelitanate antibody trapping. <b>2020</b> , 3, e10083	2
203	Poly(vinyl alcohol)/chitosan hydrogels with electrochemically synthesized silver nanoparticles for wound dressing applications. <b>2020</b> , 10, 185-198	4
202	Portable and field-deployed surface plasmon resonance and plasmonic sensors. <b>2020</b> , 145, 3776-3800	56
201	Modified Drude model for small gold nanoparticles surface plasmon resonance based on the role of classical confinement. <b>2020</b> , 10, 6517	14
200	Applications of Nanotechnology in Sensor-Based Detection of Foodborne Pathogens. 2020, 20,	37
199	Trends and Applications of U-Shaped Fiber Optic Sensors: A Review. <b>2021</b> , 21, 120-131	9
198	Hydroxyl groups on cellulose nanocrystal surfaces form nucleation points for silver nanoparticles of varying shapes and sizes. <b>2021</b> , 584, 360-371	20
197	Strategies to improve performances of LSPR biosensing: Structure, materials, and interface modification. <b>2021</b> , 174, 112850	28
196	Generation of a Conjoint Surface Plasmon by an Infrared Nano-Antenna Array. 2021, 2, 2000003	2
195	Ultrasensitive Label-Free Biosensor Based on the Graphene-Oxide-Coated-U-Bent Long-Period Fiber Grating Inscribed in a Two-Mode Fiber. <b>2021</b> , 39, 4013-4019	3
194	Molecular Imprinting-Based Sensing Platforms for Recognition of Microorganisms. 2021, 255-281	
193	Ultrahigh sensitive refractive index nanosensors based on nanoshells, nanocages and nanoframes: effects of plasmon hybridization and restoring force. <b>2021</b> , 11, 2065	3

192	Introduction to nanoparticles and analytical devices. <b>2021</b> , 1-29	3
191	Surface Plasmon Resonance Platforms for Chemical and Bio Sensing. <b>2021</b> ,	1
190	Amplitude- and Phase-Resolved Infrared Nanoimaging and Nanospectroscopy of Polaritons in a Liquid Environment. <b>2021</b> , 21, 1360-1367	3
189	Photothermal catalysts for hydrogenation reactions. <b>2021</b> , 57, 1279-1294	11
188	Use of Triangular Silver Nanoplates as Low Potential Redox Mediators for Electrochemical Sensing. <b>2021</b> , 93, 3295-3300	4
187	Tunable infrared metamaterial-based biosensor for detection of hemoglobin and urine using phase change material. <b>2021</b> , 11, 7101	11
186	Metallic nanovoid and nano hemisphere structures fabricated via simple methods to control localized surface plasmon resonances in UV and near IR wavelength regions. <b>2021</b> , 14, 042007	1
185	On the Transmittance of Metallic Superlattices in the Optical Regime and the True Refraction Angle. <b>2021</b> , 8, 86	1
184	Advances in Plasmonic Sensing at the NIR-A Review. <b>2021</b> , 21,	10
183	Localized surface plasmon resonance in deep ultraviolet region below 200´nm using a nanohemisphere on mirror structure. <b>2021</b> , 11, 5169	2
182	Comparative Study on Au-Ag composition in Lithium Zinc Calcium Fluroborate Glasses: Nonlinear Optics Perspective. <b>2021</b> , 1819, 012022	О
181	Designing of Nanomaterials-Based Enzymatic Biosensors: Synthesis, Properties, and Applications. <b>2021</b> , 2, 149-184	21
180	Governing Functionality of Silver Ion-Exchanged Photo-Thermo-Refractive Glass Matrix by Small Additives. <b>2021</b> , 11, 3891	O
179	Plasmon assisted tunnelling through silver nanodisk dimer-optical properties and quantum effects. <b>2021</b> , 53, 1	
178	Extraordinary sensitivity enhancement of Ag-Au alloy nanohole arrays for label-free detection of. <b>2021</b> , 12, 2734-2743	2
177	A Computational Study on Reduction Mechanism of Silver Nanoparticles Synthesis. <b>2021</b> , 50, 672-675	1
176	Gold Nanostar Spatial Distribution Impacts the Surface-Enhanced Raman Scattering Detection of Uranyl on Amidoximated Polymers. <b>2021</b> , 37, 4891-4899	1
175	Bi-functional tunable reflector/high-Q absorber design using VO assisted graphene-coated cylinder array. <b>2021</b> , 29, 17510-17521	1

174	Controlling Tamm phonons using hBN and a distributed Bragg reflector for narrowband refractive index sensing. <b>2021</b> , 60, 4986-4992	0
173	Development of a gold nanoparticles-based colorimetric sensor for the indirect determination of ammonium dinitramide and tetryl. <b>2021</b> , 226, 122187	2
172	Bringing the interaction of silver nanoparticles with bacteria to light. <b>2021</b> , 2, 021304	1
171	Surface Plasmon Resonance Monitoring of Mono-Rhamnolipid Interaction with Phospholipid-Based Liposomes. <b>2021</b> , 37, 7975-7985	2
170	SELF-ASSEMBLY ON DUAL WETTABLE SURFACE. 2150087	
169	Phase and velocity sensitivity of surface plasmon polaritons at the interface of atomic and nano-composites media.	
168	Precursor Based Tuning of the Nonlinear Optical Properties of Au-Ag Bimetallic Nanoparticles Doped in Oxy-fluoroborate Glasses. <b>2021</b> , 561, 120766	4
167	Silver nanoprisms as plasmonic enhancers applied in the photodynamic inactivation of Staphylococcus aureus isolated from bubaline mastitis. <b>2021</b> , 34, 102315	2
166	Label-Free Detection of from Mixed Bacterial Cultures Using Bacteriophage T4 on Plasmonic Fiber-Optic Sensor. <b>2021</b> , 6, 2720-2727	4
165	Bimetallic Nanocrystals: Structure, Controllable Synthesis and Applications in Catalysis, Energy and Sensing. <b>2021</b> , 11,	10
164	Double-Langmuir model for optimized nanohole array-based plasmonic biosensors. <b>2021</b> , 556, 149802	2
163	Nanosensors Based on Localized Surface Plasmon Resonance. <b>2021</b> , 23-54	1
162	Glycopolymer Microarrays with Sub-Femtomolar Avidity for Glycan Binding Proteins Prepared by Grafted-To/Grafted-From Photopolymerizations. <b>2021</b> , 60, 20350-20357	2
161	Glycopolymer Microarrays with Sub-Femtomolar Avidity for Glycan Binding Proteins Prepared by Grafted-To/Grafted-From Photopolymerizations. <b>2021</b> , 133, 20513-20520	
160	Theoretical approach for modeling LSPR biosensors for the detection of biopolymer nucleation. <b>2021</b> , 60, 9303-9310	
159	Review <b>B</b> io-Nanosensors: Fundamentals and Recent Applications.	2
158	Scanning probe microscopy by localized surface plasmon resonance at fiber taper tips. <b>2021</b> , 92, 093702	0
157	Nanomaterials in the Management of Gram-Negative Bacterial Infections. <b>2021</b> , 11,	12

## (2010-2021)

156	Ag Nanoparticle-Decorated CuS Nanosheets for Surface Enhanced Raman Spectroscopy Detection and Photocatalytic Applications. <b>2021</b> , 11,	1
155	Microstructure and optical properties of AgCuAl medium entropy films with nanoparticles induced by pulsed-laser dewetting. <b>2021</b> , 421, 127427	2
154	Detection and remediation of pollutants to maintain ecosustainability employing nanotechnology: A review. <b>2021</b> , 280, 130792	18
153	Plasmonic biosensor based on a gold nanostripe array for detection of microRNA related to myelodysplastic syndromes. <b>2021</b> , 347, 130629	4
152	Theoretical insights on the exsolved behavior of ruthenium atom in titanate perovskite. <b>2021</b> , 566, 150641	1
151	Plasmonic triangular nanoprism sensors. <b>2021</b> , 2, 32-46	6
150	Phytogenic synthesis of silver nanoparticles: mechanisms and applications. 2021, 167-185	
149	Advances in multi-dimensional super-resolution nonlinear optical microscopy. <b>2021</b> , 6, 1964378	1
148	Optically Detectable Colloidal Metal Labels: Properties, Methods, and Biomedical Applications. <b>2005</b> , 333-351	2
147	Optical Biosensing. <b>2006</b> , 31-43	1
147 146	Optical Biosensing. 2006, 31-43  Biomedical Applications of Organic Hybrid Nanoparticles. 2009, 707-768	8
146	Biomedical Applications of OrganicIhorganic Hybrid Nanoparticles. <b>2009</b> , 707-768  Multiple Scattering of Waves by Random Distribution of Particles for Applications in Light	8
146 145	Biomedical Applications of OrganicIhorganic Hybrid Nanoparticles. <b>2009</b> , 707-768  Multiple Scattering of Waves by Random Distribution of Particles for Applications in Light Scattering by Metal Nanoparticles. <b>2007</b> , 341-370	8
146 145 144	Biomedical Applications of OrganicIhorganic Hybrid Nanoparticles. 2009, 707-768  Multiple Scattering of Waves by Random Distribution of Particles for Applications in Light Scattering by Metal Nanoparticles. 2007, 341-370  Plasmonics of Gold Nanorods. Considerations for Biosensing. 2008, 103-111  Simple Method for Constructing RNA Triangle, Square, Pentagon by Tuning Interior RNA 3WJ Angle	8 1 2
146 145 144 143	Biomedical Applications of OrganicIhorganic Hybrid Nanoparticles. 2009, 707-768  Multiple Scattering of Waves by Random Distribution of Particles for Applications in Light Scattering by Metal Nanoparticles. 2007, 341-370  Plasmonics of Gold Nanorods. Considerations for Biosensing. 2008, 103-111  Simple Method for Constructing RNA Triangle, Square, Pentagon by Tuning Interior RNA 3WJ Angle from 60° to 90° or 108°. 2015, 1316, 181-93	8 1 2 13
146 145 144 143	Biomedical Applications of OrganicIhorganic Hybrid Nanoparticles. 2009, 707-768  Multiple Scattering of Waves by Random Distribution of Particles for Applications in Light Scattering by Metal Nanoparticles. 2007, 341-370  Plasmonics of Gold Nanorods. Considerations for Biosensing. 2008, 103-111  Simple Method for Constructing RNA Triangle, Square, Pentagon by Tuning Interior RNA 3WJ Angle from 60° to 90° or 108°. 2015, 1316, 181-93  Biosynthesized Nanoparticles and Their Biological Applications. 2020, 71-111	8 1 2 13

138	Photonic Force Microscopy: From Femtonewton Force Sensing to Ultra-Sensitive Spectroscopy. <b>2010</b> , 23-56	4
137	Nanobiosensor in Health Sector: The Milestones Achieved and Future Prospects. <b>2020</b> , 63-90	2
136	Dependence of the far-field optical response of ion beam sculpted Cu thin films on their surface correlations. <b>2020</b> , 526, 146473	5
135	Hybrid localized surface plasmon resonance and quartz crystal microbalance sensor for label free biosensing. <b>2018</b> , 100, 23-27	19
134	Metal Nanocrystals. 2020,	1
133	CHAPTER 11:Advance Engineered Nanomaterials in Point-of-care Immunosensing for Biomedical Diagnostics. <b>2019</b> , 238-266	13
132	Chapter 12:Future Trends in SPR Technology. 354-394	9
131	Preparations and characterisation of a nanosilver-loaded aerogel based on nanocellulose. <b>2020</b> , 15, 409-414	1
130	Electromagnetic Metamaterials as Artificial Composite Structures. <b>2012</b> , 595-682	1
129	Development and clinical trial of a smartphone-based colorimetric detection system for self-monitoring of blood glucose. <b>2020</b> , 11, 2166-2177	11
128	Enhanced sensing of molecular optical activity with plasmonic nanohole arrays. <b>2017</b> , 34, 315	6
127	Colorimetric detection of melamine in milk by using gold nanoparticles-based LSPR via optical fibers. <b>2017</b> , 12, e0177131	29
126	Effects of Morphology of Nanodots on Localized Surface Plasmon Resonance Property. <b>2014</b> , 8, 74-82	7
125	Nanosilver particles in medical applications: synthesis, performance, and toxicity. <b>2014</b> , 9, 2399-407	273
124	Time and Size-dependent Biogenically Synthesized Nanoparticles Using Fungus Fusarium Oxysporum: A Review on their Preparation, Characterization and Biological Activities. <b>2020</b> , 10, 95-108	1
123	Using Monoclonal Antibody to Determine Lead Ions with a Localized Surface Plasmon Resonance Fiber-optic Biosensor. <b>2008</b> , 8, 582-593	49
122	Silver Nanoparticles: Biosynthesis and Antimicrobial Potentialities. 2017, 13, 832-845	49
121	Bionanotechnology. 31-86	2

## (2012-2011)

120	Plasmon-enhanced second harmonic generation in semiconductor quantum dots close to metal nanoparticles. <b>2011</b> , 3,	7
119	Preparation of Gold Nanoisland Arrays from Layer-by-Layer Assembled Nanoparticle Multilayer Films. <b>2010</b> , 31, 291-297	5
118	Sustainable and green synthesis of hydrogen tungsten bronze nanoparticles with nanocarbon via mechanically induced hydrogen spillover. <b>2021</b> , 48, 4115-4115	
117	Improving the Sensitivity of the Plasmon-Based Sensor by Asymmetric Nanoarray. 1	O
116	Hydrogen Energy Technology and Plasmonics. <b>2022</b> , 1-4	
115	Photoswitchable Machine-Engineered Plasmonic Nanosystem with High Optical Response for Ultrasensitive Detection of microRNAs and Proteins Adaptively. <b>2021</b> , 93, 13935-13944	2
114	Functional micro- and nanoparticles based on poly[(N-acylimino)ethylene]. 2004, 553, 1-18	
113	Nano-Enabled Components and Systems for Biodefense. 2005,	
112	Coherent Plasmon Coupling and Cooperative Interactions in the Two-Dimensional Array of Silver Nanoparticles. <b>2005</b> , 487-512	
111	Chapter 1 Plasmonic materials for surface-enhanced and tip-enhanced Raman spectroscopy. <b>2006</b> , 1-39	1
110	Chapter 8 Biosensing with plasmonic nanoparticles. <b>2006</b> , 219-270	
109	Combined Solid-Phase Detection Techniques for Dissecting Multiprotein Interactions on Membranes. <b>2007</b> , 79-96	
108	Introduction. <b>2008</b> , 1-8	
107	Nanotechnology-Based Biomarker Detection. 1	
106	BiomoleculeNanoparticle Hybrid Systems. 139	
105	Study of far-field directivity of optical dipole antenna. <b>2011</b> , 60, 045203	3
104	Introduction. <b>2011</b> , 1-13	
103	Results and Discussion. <b>2012</b> , 63-205	

102	Theory. <b>2012</b> , 7-54
101	Encyclopedia of Microfluidics and Nanofluidics. <b>2014</b> , 1-9
100	Directional control of plasmonic waves and vortices for potential sensor applications. 2014,
99	Refractive Index-based Plasmonic Biosensors. <b>2014</b> , 23-37
98	Ultra-Sensitive Detection of Biomarker using Localized Surface Plasmon Resonance (LSPR) enhanced by ELISA. <b>2015</b> ,
97	Proto-Model Systems for Nanoimprint Biosensor. <b>2015</b> , 221-252
96	Dendritic Nanomaterials for Therapeutic and Diagnostic Applications. <b>2016</b> , 41-75
95	Gold Nanoclusters on Electrode Surfaces. <b>2015</b> , 2964-2978
94	Plasmonic Sensing. 1-8
93	Optical Microscopy for Detecting Binding on Small Molecule Microarrays. <b>2017</b> , 1518, 109-129
92	Anisotropic Metallic and Metallic Oxide Nanostructures-Correlation Between Their Shape and Properties. <b>2017</b> , 105-151
91	Hybrid Nanostructures. <b>2017</b> , 4, 1-3
90	Silicon metamaterials for infrared applications. <b>2017</b> , 347-372
89	Nanoscale Optical Sensors Based on Surface Plasmon Resonance. <b>2017</b> , 335-370
88	Condition of excitation and sensitivity of diffractively-coupled surface lattice resonances over plasmonic nanoparticle arrays in ATR geometry. <b>2018</b> ,
87	Ultrasensitive colocalization detection based on plasmonic nanolithography with molecular-overlapped optical near-fields. <b>2018</b> ,
86	Tunable Plasmonic Properties of Nanoshells. <b>2019</b> , 141-168
85	Bacterial Surface Layer Proteins: A Promising Nano-Technological Tool for Bio-Sensing Applications. <b>2019</b> , 10, 42-58

## (2020-2019)

84	Novolac-based Polymer-silver Nanoparticles Hybrid: Synthesis, Characterization and Antibacterial Evaluation. <b>2019</b> , 3, 75-82	1
83	External low frequency electric fields maximize the fluorescence enhancement through light-metal-fluorophore interactions of target biomolecules. <b>2019</b> ,	О
82	Analysis of homogeneous layer approximations in the modeling of localized surface plasmon resonance biosensors. <b>2019</b> , 58, 6519-6527	2
81	Quantitative Surface Plasmon Interferometry via Upconversion Photoluminescence Mapping. <b>2019</b> , 2019, 8304824	2
80	Fine Porous Structures Fabricated from Poly(vinyl alcohol)-Coated Polystyrene Templates for Functional Biosensing Chips. <b>2019</b> ,	
79	Uniform and Gaussian Ultraviolet Light Intensity Distribution on Droplet for Selective Area Deposition of Particles. <b>2020</b> , 142,	1
78	Layer-by-layer growth of molecular self-assembled monolayers /sputtered gold thin films/graphene oxide on glass substrate. 94-98	
77	Oxygen defect, electron transfer and photocatalytic activity of Ag/CeO2/SBA-15 hybrid catalysts. <b>2021</b> ,	О
76	Bi-metallic Pd/Au nanoparticles prepared by UV-excimer laser exposure. <b>2020</b> , 25, 101141	2
75	Multi-diffractive grating for surface plasmon biosensors with direct back-side excitation. <b>2020</b> , 28, 39770	-3978@
75 74	Multi-diffractive grating for surface plasmon biosensors with direct back-side excitation. <b>2020</b> , 28, 39770  Nanomaterial for Biosensors. <b>2020</b> , 35-61	-3978@
		-3978@
74	Nanomaterial for Biosensors. <b>2020</b> , 35-61	-3978@ 
74	Nanomaterial for Biosensors. <b>2020</b> , 35-61  Ordered arrays of metallic nanoprisms for photonic applications. <b>2020</b> , 111-138  Plasmonic Hybrid Nanocomposites for Plasmon-Enhanced Fluorescence and Their Biomedical	
74 73 72	Nanomaterial for Biosensors. 2020, 35-61  Ordered arrays of metallic nanoprisms for photonic applications. 2020, 111-138  Plasmonic Hybrid Nanocomposites for Plasmon-Enhanced Fluorescence and Their Biomedical Applications. 2020, 459-488  Second harmonic generation-based nonlinear plasmonic RI-sensing in solution: the pivotal role of	
74 73 72 71	Nanomaterial for Biosensors. 2020, 35-61  Ordered arrays of metallic nanoprisms for photonic applications. 2020, 111-138  Plasmonic Hybrid Nanocomposites for Plasmon-Enhanced Fluorescence and Their Biomedical Applications. 2020, 459-488  Second harmonic generation-based nonlinear plasmonic RI-sensing in solution: the pivotal role of the particle size. 2021, 23, 25565-25571	
74 73 72 71 70	Nanomaterial for Biosensors. 2020, 35-61  Ordered arrays of metallic nanoprisms for photonic applications. 2020, 111-138  Plasmonic Hybrid Nanocomposites for Plasmon-Enhanced Fluorescence and Their Biomedical Applications. 2020, 459-488  Second harmonic generation-based nonlinear plasmonic RI-sensing in solution: the pivotal role of the particle size. 2021, 23, 25565-25571  Bionanotechnology. 436-489	

66	Nanostructured Surfaces as Plasmonic Biosensors: A Review. 2101133	6
65	Synthesis of silver nanoplates with a narrow LSPR band for chemical sensing through a plasmon-mediated process using photochemical seeds. <b>2021</b> , 21, 101279	1
64	Nanoplasmonic immunosensor for the detection of SCG2, a candidate serum biomarker for the early diagnosis of neurodevelopmental disorder. <b>2021</b> , 11, 22764	
63	Exploring silver nanoparticles for cancer therapy and diagnosis <b>2021</b> , 210, 112254	4
62	Decolorization of Azo Dyes by Chemically and Biosynthesized ZnO Nanoparticles 2022,	
61	Synthesis of Silver Nanoplates With a Narrow LSPR Band for Chemical Sensing Through a Plasmon-Mediated Process Using Photochemical Seeds.	
60	How to Use Localized Surface Plasmon for Monitoring the Adsorption of Thiol Molecules on Gold Nanoparticles?. <b>2022</b> , 12,	0
59	Advances and applications of nanophotonic biosensors <b>2022</b> , 17, 5-16	38
58	Nanoplasmonics: Fundamentals and Recent Developments. 2022,	
57	Microfluidics technology: past, present, and future prospects for biomarker diagnostics. <b>2022</b> , 457-485	O
56	Advanced metal and carbon nanostructures for medical, drug delivery and bio-imaging applications <b>2022</b> ,	3
55	Development of an enhanced immunoassay based on protein nanoparticles displaying an IgG-binding domain and luciferase <b>2022</b> , 414, 2079	O
54	Plasmon-enhanced biosensors for microRNA analysis and cancer diagnosis 2022, 203, 114041	3
53	Exploring near-field sensing efficiency of complementary plasmonic metasurfaces for immunodetection of tumor markers <b>2022</b> , 203, 114038	1
52	Recent Advances in Engineered Noble Metal Nanomaterials as a Surface-Enhanced Raman Scattering Active Platform for Cancer Diagnostics <b>2022</b> , 18, 1-23	2
51	Ligand Chemistry of Gold and Silver Nanoparticles for Visual Read-Out Assay of Pesticides: A Review.	
50	Plasmonic Nanostructures for Sensing. <b>2022</b> ,	

48	Convex fiber-tapered seven core fiber-convex fiber (CTC) structure-based biosensor for creatinine detection in aquaculture <b>2022</b> , 30, 13898-13914	35
47	Recent Trends in Biosensors Based on Electrochemical and Optical Techniques for Cyanobacterial Neurotoxin Detection. 1	1
46	Synchronous and Futuristic Views on the Application of Silver Nanoparticles: A Journey towards Green Synthesis. <b>2022</b> , 2022, 1-9	
45	Ultrasensitive Label-Free Detection of Protein-Membrane Interaction Exemplified by Toxin-Liposome Insertion <b>2022</b> , 3197-3201	1
44	Silver nanotriangle array based LSPR sensor for rapid coronavirus detection 2022, 359, 131604	8
43	Designing of surface engineered Ytterbium oxide nanoparticles as effective electrochemical sensing platform for dopamine. <b>2022</b> , 355, 118929	Ο
42	Plasmonic Au nanoparticles embedded in glass: Study of TOF-SIMS, XPS and its enhanced antimicrobial activities. <b>2022</b> , 909, 164789	3
41	Photonic and Plasmonic Metasensors. <b>2022</b> , 16, 2100328	11
40	Plasmonic Nanosensors: Design, Fabrication, and Applications in Biomedicine. 2022, 10, 150	1
39	Ligand chemistry of gold, silver and copper nanoparticles for visual read-out assay of pesticides: A review. <b>2022</b> , 116607	3
38	Chapter 12. Future Trends in SPR Technology. 415-478	
37	Coupled Plasmonic Plasmon/Photonic Resonance Effects in SERS. <b>2006</b> , 67-86	
36	Salt-mediated, plasmonic field-field/field-lattice coupling-enhanced NIR-II photodynamic therapy using core-gap-shell gold nanopeanuts <b>2022</b> ,	2
35	Plasmonic Hydrogen Sensors <b>2022</b> , e2107882	1
34	Deep-ultraviolet localized surface plasmon resonance using Ga nanoparticles. <b>2022</b> , 12, 2444	0
33	Plasmonic Sensors: An Insight into Fundamentals, Compositions, and Applications. 2022, 273-293	
32	Effect of Molecular Position and Orientation on Adsorbate-Induced Shifts of Plasmon Resonances. <b>2022</b> , 126, 10129-10138	1
31	How light polarizations affect the localized surface plasmon resonance of asymmetric palladium nanostructures.	

Mechanisms of Influenza Virus HA2 Peptide Interaction with Liposomes Studied by Dual-Wavelength MP-SPR.

29	Nanodiagnostics and Nanotherapeutics: A Powerful Tool for Ablation of Cancer. <b>2022</b> , 209-275	
28	A mechanistic study of Pt particle electrodeposition and growth on a self-assembled monolayer as an active template. <i>Journal of Electroanalytical Chemistry</i> , <b>2022</b> , 920, 116638	0
27	Nano-Ag Particles Embedded in C-Matrix: Preparation, Properties and Application in Cell Metabolism. <b>2022</b> , 15, 5826	
26	Absorption enhancement and scattering inhibition for Bowtie Nanoantenna. 2022,	O
25	Plasmonic/magnetic nanoarchitectures: From controllable design to biosensing and bioelectronic interfaces. <b>2022</b> , 114744	1
24	Properties of SiC and Si3N4 Thin Films Containing Self-Assembled Gold Nanoparticles. 2022, 12, 1361	О
23	A nanophotonic interferometer for small particle detection. <b>2022</b> ,	O
22	Electrical Switching of Nematic Plasmonic Nanocolloids for Infrared Solar Gain Control. 2022, 10, 2201513	O
21	Highly Specific Peptide-Mediated Cuvette-Form Localized Surface Plasmon Resonance (LSPR)-Based Fipronil Detection in Egg. <b>2022</b> , 12, 914	O
20	Double Fano Resonance and Independent Regulation Characteristics in a Rectangular-like Nanotetramer Metasurface Structure. <b>2022</b> , 12, 3479	О
19	GST-Based Plasmonic Biosensor for Hemoglobin and Urine Detection.	7
18	Chiral Plasmonic Shells: High-Performance Metamaterials for Sensitive Chiral Biomolecule Detection.	О
17	Gold nanoparticles decorated covalent organic polymer as a bimodal catalyst for total water splitting and nitro compound reduction. <b>2023</b> , 27, 101327	О
16	Gold nano-double-ring array sensor based on Fano resonance. <b>2023</b> , 530, 129172	О
15	Plasmonic sensor based on offset-splicing and waist-expanded taper using multicore fiber for detection of Aflatoxins B1 in critical sectors.	2
14	Affinity Exploration of SARS-CoV-2 RBD Variants to mAb-Functionalized Plasmonic Metasurfaces for Label-Free Immunoassay Boosting.	О
13	Computational Electrodynamics Methods. <b>2011</b> , 147-178	O

### CITATION REPORT

12	A Nanophotonic Interferometer.	O
11	Trilayered GiresTournois Resonator with Ultrasensitive Slow-Light Condition for Colorimetric Detection of Bioparticles. <b>2023</b> , 13, 319	Ο
10	Distributed optical fiber biosensor based on optical frequency domain reflectometry. 2023, 228, 115184	О
9	Impact of self-assembled monolayer templates on electrodeposition of Pt particles. <b>2023</b> , 931, 117194	Ο
8	Tunable Nanoplasmonic Transducers: Performance Analysis and Potential Application. 2023, 11, 109	0
7	Poly- N -isopropylacrylamide Colloidal Arrays as Templates for Droplet-Assisted Fabrication of Plasmonic Nanostructure Patterns. 2201717	O
6	Amplification-Free, High-Throughput Nanoplasmonic Quantification of Circulating MicroRNAs in Unprocessed Plasma Microsamples for Earlier Pancreatic Cancer Detection. <b>2023</b> , 8, 1085-1100	0
5	Humanoid shaped optical fiber plasmon biosensor functionalized with graphene oxide/multi-walled carbon nanotubes for histamine detection. <b>2023</b> , 31, 11788	O
4	Inorganic nanosystems for imaging diagnostics. <b>2023</b> , 549-588	O
3	IIIVI Semiconductor QDs in Surface Plasmon Resonance Sensors. <b>2023</b> , 589-614	O
2	Principles and Applications of Resonance Energy Transfer Involving Noble Metallic Nanoparticles. <b>2023</b> , 16, 3083	0
1	Fano resonances in graphene coated refractory nitride nanoshell and nanomatryoshka for sensing food adulteration. <b>2023</b> , 129,	O