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767	Optical trapping through the localized surface-plasmon resonance of engineered gold nanoblock pairs. 2011 , 19, 17462		
766	Optical trapping through the localized surface-plasmon resonance of engineered gold nanoblock pairs. 2011 , 19, 17462		
765	Optical trapping through the localized surface-plasmon resonance of engineered gold nanoblock pairs. 2011 , 19, 17462		
764	A highly sensitive assay for protein using resonance light-scattering technique with dibromohydroxyphenylfluorone-molybdenum(VI) complex. 1999 , 55A, 2919-25		27
763	Resonance light-scattering particles for ultra-sensitive detection of nucleic acids on microarrays. 1999 , 23, 67-68		273
762	Analytische Chemie 1999. 2000 , 48, 348-354		1
761	Homogeneous, Nanoparticle-Based Quantitative Colorimetric Detection of Oligonucleotides. 2000 , 122, 3795-3796		419
760	The "chip" as a specific genetic tool. 2000 , 48, 1147-56		45
759	Oligonucleotide detection using angle-dependent light scattering and fractal dimension analysis of gold-DNA aggregates. 2001 , 123, 6734-5		45
758	A readout scheme providing high spatial resolution for distributed fluorescent sensors on optical fibers. 2001 , 73, 1007-15		25
757	Tuning the Optical Properties of Large Gold Nanoparticle Arrays. 2001, 676, 611		9
756	Resonance light scattering particles as ultrasensitive labels for detection of analytes in a wide range of applications. 2001 , Suppl 37, 71-81		133
755	Extraction and Dispersion of Large Gold Nanoparticles in Nonpolar Solvents. 2001 , 22, 485-489		18
754	A multi-layer microfluidic system with integrated electrical and on-column optical detection.		
753	Microarray technologies an overview. The University of California San Diego Extension, Bioscience, Microarray Technologies an overview, March 13-15, 2002. 2002 , 3, 293-7		18
752	A nanoscale optical biosensor: sensitivity and selectivity of an approach based on the localized surface plasmon resonance spectroscopy of triangular silver nanoparticles. 2002 , 124, 10596-604		1716

(2003-2002)

751	Dispersion and Stability Studies of Resorcinarene-Encapsulated Gold Nanoparticles. <i>Langmuir</i> , 2002 , 18, 3676-3681	104
75°	Spherical ensembles of gold nanoparticles on silica: electrostatic and size effects. 2002 , 1604-5	74
749	Preparation of gold nanoparticle-DNA conjugates. 2002 , Chapter 12, Unit 12.2	34
748	High-sensitivity detection of DNA hybridization on microarrays using resonance light scattering. 2002 , 74, 1792-7	176
747	Differential Light Scattering Spectroscopy for Studying Biospecific Assembling of Gold Nanoparticles with Protein or Oligonucleotide Probes. 2002 , 64, 671-680	15
746	Fluorescence Spectral Properties of Indocyanine Green on a Roughened Platinum Electrode: Metal-Enhanced Fluorescence. 2003 , 13, 453-457	20
745	Luminescent Blinking from Silver Nanostructures. 2003 , 107, 9989-9993	97
744	Luminescent blinking of gold nanoparticles. 2003 , 380, 269-272	73
743	Effects of fluorophore-to-silver distance on the emission of cyanine-dye-labeled oligonucleotides. Analytical Biochemistry, 2003 , 315, 57-66	186
742	Resonance light scattering imaging detection of proteins with alpha,beta,gamma,delta-tetrakis(p-sulfophenyl)porphyrin. <i>Analytical Biochemistry</i> , 2003 , 321, 236-43	37
741	Resonance light scattering technique used for biochemical and pharmaceutical analysis. 2003, 500, 105-117	85
740	Plasmon resonant particles for biological detection. 2003 , 14, 13-22	321
739	Enhanced photostability of ICG in close proximity to gold colloids. 2003 , 59, 2611-7	30
738	Evaluation of five different cDNA labeling methods for microarrays using spike controls. 2003, 3, 23	34
737	Protein arrays for autoantibody profiling and fine-specificity mapping. 2003, 3, 2077-84	73
736	A Nanoscale Optical Biosensor: Real-Time Immunoassay in Physiological Buffer Enabled by Improved Nanoparticle Adhesion. 2003 , 107, 1772-1780	409
735	Electrochemical and Laser Deposition of Silver for Use in Metal-Enhanced Fluorescence. <i>Langmuir</i> , 2003 , 19, 6236-6241	105
734	Metallic colloid wavelength-ratiometric scattering sensors. 2003 , 75, 3440-5	70

733	Metal-Enhanced Fluorescence (MEF) Due to Silver Colloids on a Planar Surface: Potential Applications of Indocyanine Green to in Vivo Imaging. 2003 , 107, 3443-3449		240
732	Single Silver Nanoparticles as Real-Time Optical Sensors with Zeptomole Sensitivity. 2003 , 3, 1057-1062		1369
731	Glass-Coated, Analyte-Tagged Nanoparticles: A New Tagging System Based on Detection with Surface-Enhanced Raman Scattering. <i>Langmuir</i> , 2003 , 19, 4784-4790	4	405
730	Metal-enhanced emission from indocyanine green: a new approach to in vivo imaging. 2003, 8, 472-8		118
729	Nanoparticle optics: fabrication, surface-enhanced spectroscopy, and sensing. 2003,		17
728	Microarray technologies 2003 an overview. 2003 , 4, 251-6		17
727	The optical detection of individual DNA-conjugated gold nanoparticle labels after metal enhancement. 2003 , 14, 1262-8		60
726	Optical spectroscopy of hydrophobic sunscreen molecules adsorbed to dielectric nanospheres. 2004 , 79, 531-9		5
725	Gold nanoparticle sizing based on differential static light scattering spectroscopy, absorption spectroscopy, and dynamic light scattering. 2004 ,		1
724	Immediate-early expression of the herpes simplex virus type 1 ICP27 transcript is not critical for efficient replication in vitro or in vivo. 2004 , 78, 10470-8		16
723	Refractive-index-sensitive, plasmon-resonant-scattering, and surface-enhanced Raman-scattering nanoparticles and arrays as biological sensing platforms. 2004 , 5327, 60		16
722	Evaluating sandwich immunoassays in microarray format in terms of the ambient analyte regime. 2004 , 50, 1907-20		85
721	Homogeneous detection of unamplified genomic DNA sequences based on colorimetric scatter of gold nanoparticle probes. 2004 , 22, 883-7		494
720	Measurement of mean size and evaluation of polydispersity of gold nanoparticles from spectra of optical absorption and scattering. 2004 , 96, 128-135		46
719	Multiplexed sandwich assays in microarray format. 2004 , 290, 107-20		172
718	Using solution-phase nanoparticles, surface-confined nanoparticle arrays and single nanoparticles as biological sensing platforms. 2004 , 14, 355-67		196
717	Label free colorimetric biosensing using nanoparticles. 2004 , 14, 377-89		134
716	Plasmonic Nanomaterials. <i>Nanostructure Science and Technology</i> , 2004 , 173-200	0.9	14

(2005-2004)

715	The TATGARAT box of the HSV-1 ICP27 gene is essential for immediate early expression but not critical for efficient replication in vitro or in vivo. 2004 , 29, 335-43	5
714	Nanoscale science: a big step towards the Holy Grail of single molecule biochemistry and molecular biology. 2004 , 61, 1843-9	15
713	Genome-wide expression profiling of RNA interference of hepatitis B virus gene expression and replication. 2004 , 61, 2113-24	13
712	Advances in the study of luminescence probes for proteins. 2004 , 803, 173-90	88
711	Differential light-scattering spectroscopy: a new approach to studying of colloidal gold nanosensors. 2004 , 89, 133-142	38
710	Radiative decay engineering 3. Surface plasmon-coupled directional emission. <i>Analytical Biochemistry</i> , 2004 , 324, 153-69	374
709	Nanogold-plasmon-resonance-based glucose sensing. <i>Analytical Biochemistry</i> , 2004 , 330, 145-55 3.1	192
708	Backscattering light detection of nucleic acids with tetraphenylporphyrinAl(III)Bucleic acids at liquid/liquid interface. 2004 , 521, 109-115	9
707	Controlled Fabrication of Gold/Polymer Nanocomposites with a Highly Structured Poly(N-acylethylenimine) Shell. 2004 , 37, 2766-2774	18
706	Nanoscale Optical Biosensor:□Short Range Distance Dependence of the Localized Surface Plasmon Resonance of Noble Metal Nanoparticles. 2004 , 108, 6961-6968	536
705	Rational and combinatorial design of peptide capping ligands for gold nanoparticles. 2004 , 126, 10076-84	602
704	Dynamic light scattering microscopy. A novel optical technique to image submicroscopic motions. II: Experimental applications. 2004 , 87, 1288-97	20
703	Label-free biosensing by surface plasmon resonance of nanoparticles on glass: optimization of nanoparticle size. 2004 , 76, 5370-8	437
702	Luminescent blinking from silver, gold, and copper nanostructures: a new class of probes for imaging and localization. 2004 ,	
701	Microarray analysis of gene expression following preparation of sterile intestinal [bops[]n calves. 2005 , 85, 13-22	10
700	High Throughput Screening: Will The Past Meet The Future?. 2005 , 1, 69-86	3
699	Labels and Detection Methods. 2005 , 147-179	8
698	A simple and controlled method of preparing uniform Ag midnanoparticles on Tollens-soaked silica spheres. 2005 , 285, 146-51	25

697	Radiative decay engineering 5: metal-enhanced fluorescence and plasmon emission. <i>Analytical Biochemistry</i> , 2005 , 337, 171-94	3.1	1098
696	Plasmon light scattering in biology and medicine: new sensing approaches, visions and perspectives. 2005 , 9, 538-44		255
695	Surface plasmon resonance scattering and absorption of anti-EGFR antibody conjugated gold nanoparticles in cancer diagnostics: applications in oral cancer. 2005 , 5, 829-34		1614
694	Gold Nanorod Bioconjugates. 2005 , 17, 4636-4641		381
693	Nanostructures in biodiagnostics. 2005 , 105, 1547-62		4122
692	Enhanced fluorescence transduction properties of metallic nanocavity arrays. 2005, 11, 778-784		16
691	Fluorescence enhancement of fluorophores tethered to different sized silver colloids deposited on glass substrate. 2005 , 77, 31-7		45
690	Annealed silver-island films for applications in metal-enhanced fluorescence: interpretation in terms of radiating plasmons. 2005 , 15, 643-54		232
689	Immunoassay and antibody microarray analysis of the HUPO Plasma Proteome Project reference specimens: systematic variation between sample types and calibration of mass spectrometry data. 2005 , 5, 3278-91		142
688	Optical probes and techniques for molecular contrast enhancement in coherence imaging. 2005 , 10, 41208		105
687	Radiative Decay Engineering. 2005,		4
686	Noble Metal Nanoparticle Biosensors. 2005 , 353-380		2
685	Angular-dependent polarization-based plasmon light scattering for bioaffinity sensing. 2005, 87,		14
684	Development of a nanoparticle-labeled microfluidic immunoassay for detection of pathogenic microorganisms. 2005 , 12, 418-25		42
683	Fluorescence detection in capillary electrophoresis. 2005 , 45, 305-374		6
682	An approach to multilayer microfluidic systems with integrated electrical, optical, and mechanical functionality. 2005 , 5, 82-89		11
681	Nanogold plasmon resonance-based glucose sensing. 2. Wavelength-ratiometric resonance light scattering. 2005 , 77, 2007-14		147
68o	Comparison of DNA detection methods using nanoparticles and silver enhancement. 2005 , 152, 3-12		13

(2006-2005)

679	2005, 5694, 82	3
678	Angular-ratiometric plasmon-resonance based light scattering for bioaffinity sensing. 2005 , 127, 12115-21	72
677	Gram-scale synthesis and biofunctionalization of silica-coated silver nanoparticles for fast colorimetric DNA detection. 2005 , 77, 2595-600	131
676	Extremely Stable Water-Soluble Ag Nanoparticles. 2005 , 17, 4630-4635	224
675	Calibration of dynamic molecular rulers based on plasmon coupling between gold nanoparticles. 2005 , 5, 2246-52	498
674	A backscattering light detection assembly for sensitive determination of analyte concentrated at the liquid/liquid interface using the interaction of quercetin with proteins as the model system. 5 Analyst, The, 2005 , 130, 200-5	4
673	Right bipyramids of silver: a new shape derived from single twinned seeds. 2006, 6, 765-8	331
672	Metal-enhanced chemiluminescence: Radiating plasmons generated from chemically induced electronic excited states. 2006 , 88, 173104	58
671	Glucose Sensing. 2006,	12
670	Resonance light scattering (RLS) detection of nanoparticle separations in a microelectrical field-flow fractionation system. 2006 , 5, 8-13	5
669	Calixarene-encapsulated nanoparticles: self-assembly into functional nanomaterials. 2006, 1581-91	150
668	Gold and silica-coated gold nanoparticles as thermographic labels for DNA detection. 2006 , 78, 3282-8	60
667	Protein detection using biobarcodes. 2006 , 2, 470-6	11
666	Sonochemical route for self-assembled V2O5 bundles with spindle-like morphology and their novel application in serum albumin sensing. 2006 , 110, 14709-13	62
665	Optical readout of gold nanoparticle-based DNA microarrays without silver enhancement. 2006 , 90, L13-5	46
664	Nanoparticle conjugation increases protein partitioning in aqueous two-phase systems. 2006 , 78, 379-86	50
663	Radiative Decay Engineering: Metal-Enhanced Fluorescence. 2006 , 841-859	5
662	Homogeneous silver-coated nanoparticle substrates for enhanced fluorescence detection. 2006 , 110, 23085-91	85

661	Langmuir-Blodgett monolayers of long-chain NBD derivatives on silver island films: Well-organized probe layer for the metal-enhanced fluorescence studies. 2006 , 110, 13499-507		22
660	Distance-dependent metal-enhanced fluorescence from Langmuir-Blodgett monolayers of alkyl-NBD derivatives on silver island films. <i>Langmuir</i> , 2006 , 22, 8374-8	4	113
659	Microfluidic continuous flow synthesis of rod-shaped gold and silver nanocrystals. 2006, 8, 3824-7		120
658	Gold nanoparticle probes for the detection of nucleic acid targets. 2006 , 363, 120-6		29 0
657	Plasmon-resonant gold nanorods as low backscattering albedo contrast agents for optical coherence tomography. 2006 , 14, 6724-38		143
656	Maneuvering the surface plasmon resonance of silver nanostructures through shape-controlled synthesis. 2006 , 110, 15666-75		814
655	. 2006,		8
654	BIOSENSORS BASED ON GOLD NANOPARTICLE LABELING. 2006 , 429-466		1
653	Observation of time-dependent single-particle light scattering from gold nanorods and nanospheres by using unpolarized dark-field microscopy. 2006 ,		3
652	Designing plasmonic structures: bi-metalic core-shell nanoparticles. 2006,		1
651	Fabrication and characterization of nanoparticle-based plasmonic nanostructures. 2006 , 6195, 221		
650	Absorption spectroscopy of individual nano-objects and improved readout of DNA microarrays using photothermal detection. 2006 , 6092, 57		
649	Advances in the development of a novel method to be used in proteomics using gold nanobeads. 2006 ,		
648	Nanoparticles in biomolecular detection. 2006 , 1, 28-37		198
647	Resonance light scattering profiles must be corrected for instrument performance. <i>Analytical Biochemistry</i> , 2006 , 348, 157-9	3.1	18
646	Non-cross-linking gold nanoparticle aggregation for sensitive detection of single-nucleotide polymorphisms: optimization of the particle diameter. <i>Analytical Biochemistry</i> , 2006 , 350, 162-4	3.1	67
645	Directly light scattering imaging of the aggregations of biopolymer bound chromium(III) hydrolytic oligomers in aqueous phase and liquid/liquid interface. 2006 , 567, 143-151		3
644	Protein and peptide arrays: recent trends and new directions. 2006, 23, 77-88		211

643	Depolarized light scattering from silver nanoparticles. 2006 , 421, 189-192	39
642	DNA self-polymers as microarray probes improve assay sensitivity. 2006 , 151, 216-23	4
641	Cancer cell imaging and photothermal therapy in the near-infrared region by using gold nanorods. 2006 , 128, 2115-20	4444
640	Metal-enhanced fluorescence from gold surfaces: angular dependent emission. 2007 , 17, 7-13	82
639	Plasmonics in Biology and Plasmon-Controlled Fluorescence. 2006 , 1, 5-33	449
638	Combination of Nanoholes with Metal Nanoparticles Habrication and Characterization of Novel Plasmonic Nanostructures. 2006 , 1, 147-155	10
637	One- and two-photon induced fluorescence of Pacific Blue-labeled human serum albumin deposited on different core size silver colloids. 2006 , 81, 249-55	13
636	Resonance Light Scattering Imaging Detection of Single Suprahelical Species of DNA Induced by Porphine-5,10,15,20-tetrakis(p-phenyltrimethylaminium). 2006 , 24, 89-94	3
635	Wavelength and Intensity Multiplexing of Metal Nanoparticles for the Fabrication of Multicolored Micro- and Nanospheres. <i>Advanced Functional Materials</i> , 2006 , 16, 1015-1021	18
634	Antibody microarrays using resonance light-scattering particles for detection. 2006 , 328, 31-50	9
633	Cell membrane and gold nanoparticles effects on optical immersion experiments with noncancerous and cancerous cells: finite-difference time-domain modeling. 2006 , 11, 064037	12
632	Localized Surface Plasmon Resonance Biosensor Using Ag Nanostructured Films Fabricated by a Reduction Method. 2006 , 915, 1	
631	Plasmonic Glucose Sensing. 2006, 259-282	3
630	Plasmon-controlled fluorescence: A new detection technology. 2006 , 6099, 609909	20
629	Networks of gold nanoparticles and bacteriophage as biological sensors and cell-targeting agents. 2006 , 103, 1215-20	218
628	Stabilization and Functionalization of Metallic Nanoparticles: the Peptide Route. 2007,	
627	Enhanced oligonucleotide-nanoparticle conjugate stability using thioctic acid modified oligonucleotides. 2007 , 35, 3668-75	125
626	Optical Biosensing Based on Metal and Semiconductor Colloidal Nanocrystals. 2007,	1

625	Metal nanoparticle-based detection for DNA analysis. 2007, 8, 274-85		17
624	Fluctuation correlation spectroscopy and photon histogram analysis of light scattered by gold nanospheres. 2007 , 18, 355402		7
623	Light scattering application for bacterial cell monitoring during cultivation process. 2007, 6631, 412		
622	Widefield and high-resolution reflectance imaging of gold and silver nanospheres. 2007 , 12, 051505		19
621	Resonant and scatterometric grating-based nanophotonic structures for biosensing. 2007 , 1, 011680		9
620	Surface-enhanced hyper-Raman spectroscopy using optical trapping of silver nanoparticles for molecular detection in solution. 2007 , 9, S164-S171		19
619	Dynamic Light Scattering Microscopy. 2007,		
618	Biofunctionalization of Metallic Nanoparticles and Microarrays for Biomolecular Detection. 2007,		
617	Analysis of the diffuse light and optoacoustic signal generation in nanoparticles. 2007,		
	Colorinatois kinnean and an DNA annuartials are investor 2007, 22, 47, 20		
616	Colorimetric biosensors based on DNA-nanoparticle conjugates. 2007 , 23, 17-20		74
616	SERS as analytical tool for detection of bacteria. 2007 ,		74
		3.8	7453
615	SERS as analytical tool for detection of bacteria. 2007 , Sulforhodamine Adsorbed Langmuir-Blodgett Layers on Silver Island Films: Effect of Probe	3.8	
615 614	SERS as analytical tool for detection of bacteria. 2007 , Sulforhodamine Adsorbed Langmuir-Blodgett Layers on Silver Island Films: Effect of Probe Distance on the Metal-Enhanced Fluorescence. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 7091-7097	3.8	53
615 614 613	SERS as analytical tool for detection of bacteria. 2007, Sulforhodamine Adsorbed Langmuir-Blodgett Layers on Silver Island Films: Effect of Probe Distance on the Metal-Enhanced Fluorescence. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7091-7097 Metal-enhanced fluorescence of an organic fluorophore using gold particles. 2007, 15, 2598-606 Gold Nanoparticle Assisted Assembly of a Heme Protein for Enhancement of Long-Range		53 92
615 614 613	SERS as analytical tool for detection of bacteria. 2007, Sulforhodamine Adsorbed Langmuir-Blodgett Layers on Silver Island Films: Effect of Probe Distance on the Metal-Enhanced Fluorescence. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7091-7097 Metal-enhanced fluorescence of an organic fluorophore using gold particles. 2007, 15, 2598-606 Gold Nanoparticle Assisted Assembly of a Heme Protein for Enhancement of Long-Range Interfacial Electron Transfer. <i>Journal of Physical Chemistry C</i> , 2007, 111, 6124-6132		53 92 117
615 614 613 612	SERS as analytical tool for detection of bacteria. 2007, Sulforhodamine Adsorbed Langmuir-Blodgett Layers on Silver Island Films: Effect of Probe Distance on the Metal-Enhanced Fluorescence. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7091-7097 Metal-enhanced fluorescence of an organic fluorophore using gold particles. 2007, 15, 2598-606 Gold Nanoparticle Assisted Assembly of a Heme Protein for Enhancement of Long-Range Interfacial Electron Transfer. <i>Journal of Physical Chemistry C</i> , 2007, 111, 6124-6132 Metal-enhanced fluorescence from copper substrates. 2007, 90, 173116		53 92 117 81

(2007-2007)

607	Angular-dependent metal-enhanced fluorescence from silver colloid-deposited films: opportunity for angular-ratiometric surface assays. <i>Analyst, The</i> , 2007 , 132, 1112-21	5	20
606	Enhanced stability and bioconjugation of photo-cross-linked polystyrene-shell, Au-core nanoparticles. <i>Langmuir</i> , 2007 , 23, 7491-7	4	40
605	Metal-Enhanced Surface Plasmon-Coupled Phosphorescence. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 6051-6059	3.8	29
604	Homogeneous detection of nucleic acids based upon the light scattering properties of silver-coated nanoparticle probes. 2007 , 79, 6650-4		94
603	Hybridization detection of DNA by measuring organic small molecule amplified resonance light scattering signals. 2007 , 111, 4535-8		43
602	Gold nanoparticles: interesting optical properties and recent applications in cancer diagnostics and therapy. 2007 , 2, 681-93		1046
601	Two-dimensional standing wave total internal reflection fluorescence microscopy: superresolution imaging of single molecular and biological specimens. 2007 , 93, 1747-57		58
600	Surface Plasmon Resonance of Gold Nanoparticle Arrays Partially Embedded in Quartz Substrates. Journal of Physical Chemistry C, 2007 , 111, 3658-3664	3.8	15
599	Light scattering application for bacterial cell monitoring during cultivation process. 2007,		
598	Colorimetric detection of mercuric ion (Hg2+) in aqueous media using DNA-functionalized gold nanoparticles. 2007 , 46, 4093-6		1124
597	Colorimetric Detection of Mercuric Ion (Hg2+) in Aqueous Media using DNA-Functionalized Gold Nanoparticles. 2007 , 119, 4171-4174		246
596	Interference of surface plasmon resonances causes enhanced depolarized light scattering from metal nanoparticles. 2007 , 434, 326-330		35
595	Long wavelength depolarized light scattering from silver nanoparticles. 2007, 443, 1-5		11
594	Telomere DNA conformation change induced aggregation of gold nanoparticles as detected by plasmon resonance light scattering technique. 2007 , 604, 165-9		20
593	Optical Spectroscopy of Hydrophobic Sunscreen Molecules Adsorbed to Dielectric Nanospheres¶. 2007 , 79, 531-539		3
592	A facile method to prepare a series of SiO2@Au core/shell structured nanoparticles. 2007, 105, 419-42	25	38
591	Aluminum nanostructured films as substrates for enhanced fluorescence in the ultraviolet-blue spectral region. 2007 , 79, 6480-7		160
590	Interaction of plasmon and molecular resonances for rhodamine 6G adsorbed on silver nanoparticles. 2007 , 129, 7647-56		258

589	Synthesis of silver nanostructures with controlled shapes and properties. 2007, 40, 1067-76		961
588	Hyperthermic effects of gold nanorods on tumor cells. 2007 , 2, 125-32		449
587	Recent Developments of the Resonance Light Scattering Technique: Technical Evolution, New Probes and Applications. 2007 , 42, 177-201		48
586	Low temperature metal-enhanced fluorescence. 2007 , 17, 627-31		13
585	Resonance light scattering and derived techniques in analytical chemistry: past, present, and future. 2007 , 158, 29-58		96
584	Ultra-sensitive detection of individual gold nanoparticles: spectroscopy and applications to biology. 2008 , 41, 139-146		11
583	Enhanced resonance light scattering properties of gold nanoparticles due to cooperative binding. 2008 , 391, 807-15		28
582	Synthesis of unique nanostructures with novel optical properties using oligonucleotide mixed-metal nanoparticle conjugates. 2008 , 4, 1054-7		24
581	Gold-silver and silver-silver nanoparticle constructs based on DNA hybridization of thiol- and amino-functionalized oligonucleotides. 2008 , 1, 104-13		26
580	Modulating the photoluminescence of conducting polymer by the surface plasmon of Au colloids. 2008 , 199, 291-296		11
579	Angular-Dependent Metal-Enhanced Fluorescence from Silver Island Films. 2008, 453, 222-228		33
578	A label-free visual immunoassay on solid support with silver nanoparticles as plasmon resonance scattering indicator. <i>Analytical Biochemistry</i> , 2008 , 383, 168-73	3.1	28
577	A DNA-gold nanoparticle-based colorimetric competition assay for the detection of cysteine. 2008 , 8, 529-33		437
576	Probing cells with noble metal nanoparticle aggregates. 2008 , 3, 555-65		29
575	LANTCET: elimination of solid tumor cells with photothermal bubbles generated around clusters of gold nanoparticles. 2008 , 3, 647-67		78
574	Biosensing with plasmonic nanosensors. 2008 , 7, 442-53		5354
573	Spectroscopic study of surface-enhanced Raman scattering of rhodamine 6G on silver colloid. 2008,		
572	Mapping the polarization pattern of plasmon modes reveals nanoparticle symmetry. 2008 , 8, 2345-50		62

(2008-2008)

Binding of drugs to serum albumin determined by changes in surface plasmon resonance signal of gold nanoparticles. **2008**,

570	Robust ligand shells for biological applications of gold nanoparticles. <i>Langmuir</i> , 2008 , 24, 13572-80	4	95
569	Single molecule analysis by surfaced-enhanced Raman scattering. 2008 , 37, 946-54		382
568	Pyramids: a platform for designing multifunctional plasmonic particles. 2008 , 41, 1762-71		51
567	Quantitative optical trapping of single gold nanorods. 2008 , 8, 2998-3003		147
566	Surface Plasmon Resonance for Biosensing: A Mini-Review. 2008 , 28, 214-242		278
565	Single-molecule electron transfer in electrochemical environments. 2008 , 108, 2737-91		247
564	Prospects for gold nanorod particles in diagnostic and therapeutic applications. 2008 , 25, 93-112		83
563	A one-step highly sensitive method for DNA detection using dynamic light scattering. 2008 , 130, 8138-	9	165
562	Examination of Silver Nanoparticle Fabrication by Pulsed-Laser Ablation of Flakes in Primary Alcohols. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 1321-1329	3.8	40
561	Homogeneous immunoassay based on aggregation of antibody-functionalized gold nanoparticles coupled with light scattering detection. <i>Talanta</i> , 2008 , 75, 959-64	6.2	44
560	Selective enhancement of resonance light-scattering of gold nanoparticles by glycogen. <i>Talanta</i> , 2008 , 76, 1207-11	6.2	22
559	A novel evanescent wave scattering imaging method for single gold particle tracking in solution and on cell membrane. <i>Talanta</i> , 2008 , 77, 166-71	6.2	28
558	Plasmon-controlled fluorescence: a new paradigm in fluorescence spectroscopy. <i>Analyst, The</i> , 2008 , 133, 1308-46	5	492
557	Noble metals on the nanoscale: optical and photothermal properties and some applications in imaging, sensing, biology, and medicine. 2008 , 41, 1578-86		3252
556	Nanostructured plasmonic sensors. 2008 , 108, 494-521		1995
555	Surface Plasmon Resonance (SPR) Electron and Energy Transfer in Noble Metal Z inc Oxide Composite Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 10079-10082	3.8	195
554	Photothermal properties of gold nanoparticles under exposure to high optical energies. 2008 , 19, 355	702	58

553	Uptake and intracellular fate of surface-modified gold nanoparticles. 2008, 2, 1639-44		560
552	New tools for rapid clinical and bioagent diagnostics: microwaves and plasmonic nanostructures. <i>Analyst, The</i> , 2008 , 133, 1469-80	5	20
551	Optical Properties of [email[protected] Nanoparticles Calculated by Mie Theory. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 8767-8772	3.8	25
550	Photothermal methods for single nonluminescent nano-objects. 2008 , 80, 2288-94		82
549	Fabrication of Gold Nanoparticle-Doped Zeolite L Crystals and Characterization by Optical Microscopy: Laser Ablation- and Crystallization Inclusion-Based Approach. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 15089-15093	3.8	41
548	Label-free plasmonic detection of biomolecular binding by a single gold nanorod. 2008 , 80, 984-9		250
547	Spermidine modulated ribonuclease activity probed by RNA plasmon rulers. 2008 , 8, 214-20		47
546	Enhanced Fluorescence Detection on Homogeneous Gold Colloid Self-Assembled Monolayer Substrates. 2008 , 20, 1788-1797		83
545	Chip-based molecular diagnostics using metal nanoparticles. 2008 , 2, 813-28		7
544	Functional-DNA B ased Nanoscale Materials and Devices for Sensing Trace Contaminants in Water. 2008 , 33, 34-41		15
543	Synthesis and in vitro cytotoxicity of mPEG-SH modified gold nanorods. 2008,		4
542	Imaging of cancer cells by multiphoton microscopy using gold nanoparticles and fluorescent dyes. 2008 , 13, 031217		26
541	DNA sensing - an overview of present technology and future trends. 2008,		1
540	Overview of Optical Biosensing Techniques. 2008,		6
539	Conversion of just-continuous metallic films to large particulate substrates for metal-enhanced fluorescence. 2008 , 103, 84307-843077		39
538	Rapid detection of bacterial cells by light scattering method. 2008,		
537	Metallic Nanomaterials for Sensitivity Enhancement of Fluorescence Detection. 2008 , 8, 886-896		25
536	. 2009,		16

535	Antibody-Conjugated Nanoparticles for Biomedical Applications. 2009 , 2009, 1-24	195
534	Tethered particle motion mediated by scattering from gold nanoparticles and darkfield microscopy. 2009 , 3, 031795	7
533	Biosensing with plasmonic nanosensors. 2009 , 308-319	79
532	Resonance Light Scattering Method to Determine Binding Ratio and Functional Affinity Constant of Antigen/Antibody Immunoreaction. 2009 , 42, 1495-1508	2
531	Exploiting plasmonics in biosensing and bioimaging: monitoring cell receptors with surface enhanced spectroscopy and microscopy. 2009 ,	
530	A washing-free and amplification-free one-step homogeneous assay for protein detection using gold nanoparticle probes and dynamic light scattering. 2009 , 349, 38-44	72
529	The Metal Nanoparticle Plasmon Band as a Powerful Tool for Chemo- and Biosensing. 137-176	4
528	Gold nanorods: from synthesis and properties to biological and biomedical applications. 2009 , 21, 4880-4910	1473
527	Modification of single molecule fluorescence near metallic nanostructures. 2009, 3, 221-232	118
526	Surface plasmon resonance biosensor based on water-soluble ZnO-Au nanocomposites. 2009 , 653, 109-15	30
525	Gold and goldBilver core-shell nanoparticle constructs with defined size based on DNA hybridization. 2009 , 11, 623-633	16
524	Aptamer-modified gold nanoparticles for targeting breast cancer cells through light scattering. 2009 , 11, 775-783	77
523	The adsorption of silver nanoparticles on the proteins-immobilized glass slides and a visual investigation on proteins immobilization. 2009 , 52, 639-643	3
522	Shape-Controlled Synthesis of Silver Nanoparticles for Plasmonic and Sensing Applications. 2009 , 4, 171-179	290
521	Wavelength-Ratiometric Plasmon Light Scattering-Based Immunoassays. 2009, 4, 267-272	11
520	Determination of human urinary kanamycin in one step using urea-enhanced surface plasmon resonance light-scattering of gold nanoparticles. 2009 , 395, 2397-403	46
519	Catalyst-functionalized nanomaterials. 2009 , 1, 35-46	11
518	Light-scattering signals from nanoparticles in biochemical assay, pharmaceutical analysis and biological imaging. 2009 , 28, 447-453	67

517	Biosensing by optical waveguide spectroscopy based on localized surface plasmon resonance of gold nanoparticles used as a probe or as a label. 2009 , 335, 140-5		25
516	Microdetermination of proteins by resonance light scattering technique based on aggregation of ferric nanoparticles. 2009 , 72, 748-52		4
515	Gold nanoparticle probes. 2009 , 253, 1607-1618		319
514	Dynamic light scattering as a powerful tool for gold nanoparticle bioconjugation and biomolecular binding studies. 2009 , 81, 9425-32		281
513	Rational selection of gold nanorod geometry for label-free plasmonic biosensors. 2009 , 3, 795-806		203
512	Analysis of biomolecules using surface plasmons. 2009 , 544, 201-29		42
511	A localized surface plasmon resonance light-scattering assay of mercury (II) on the basis of Hg(2+)-DNA complex induced aggregation of gold nanoparticles. 2009 , 43, 5022-7		112
510	Colorimetric detection of DNA using unmodified metallic nanoparticles and peptide nucleic acid probes. 2009 , 81, 6122-9		187
509	Highly Scattering, Surface-Enhanced Raman Scattering-Active, Metal Nanoparticle-Coated Polymers Prepared via Combined SwellingHeteroaggregation. 2009 , 21, 5654-5663		52
508	SERRS coded nanoparticles for biomolecular labelling with wavelength-tunable discrimination. <i>Analyst, The</i> , 2009 , 134, 549-56	5	19
507	Femtosecond Relaxation Dynamics of Au25L18IMonolayer-Protected Clusters. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 9440-9444	3.8	127
506	Photothermal absorption correlation spectroscopy. 2009 , 3, 345-50		52
505	Localized and Propagating Surface Plasmons in Gold Particles of Near-Micron Size. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 40-44	3.8	24
504	Monitoring Simultaneous Distance and Orientation Changes in Discrete Dimers of DNA Linked Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 11215-11222	3.8	47
503	Simple Route for Preparing Optically Trappable Probes for Surface-Enhanced Raman Scattering. Journal of Physical Chemistry C, 2009 , 113, 17724-17729	3.8	30
502	Synthesis and thermally reversible assembly of DNA-gold nanoparticle cluster conjugates. 2009 , 9, 456	4-9	83
501	Direct visual detection of DNA based on the light scattering of silica nanoparticles on a human papillomavirus DNA chip. <i>Talanta</i> , 2009 , 80, 967-73	6.2	9
500	Metal-enhanced chemiluminescence: advanced chemiluminescence concepts for the 21st century. 2009 , 38, 2556-64		114

(2009-2009)

499	Microarray-based multiplexed scanometric immunoassay for protein cancer markers using gold nanoparticle probes. 2009 , 81, 9183-7		156
498	Facile preparation of highly-scattering metal nanoparticle-coated polymer microbeads and their surface plasmon resonance. 2009 , 131, 5048-9		101
497	Gold Nanoparticle-Assisted Laser Surface Modification of Borosilicate Glass Substrates. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 20640-20647	3.8	26
496	Colorimetric and Fluorescent Biosensors Based on Directed Assembly of Nanomaterials with Functional DNA. 2009 , 155-178		4
495	Conjugation of latent membrane protein (LMP)-2 epitope to gold nanoparticles as highly immunogenic multiple antigenic peptides for induction of Epstein-Barr virus-specific cytotoxic T-lymphocyte responses in vitro. 2009 , 20, 24-31		21
494	Measuring the Optical Absorption Cross-sections of Au-Ag Nanocages and Au Nanorods by Photoacoustic Imaging. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 9023-9028	3.8	111
493	Using spectroscopic ellipsometry to characterize and apply the optical constants of hollow gold nanoparticles. 2009 , 3, 960-70		45
492	Functional nucleic acid sensors. 2009 , 109, 1948-98		1799
491	Tuning the Thickness and Orientation of Single Au Pyramids for Improved Refractive Index Sensitivities. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 2205-2207	3.8	26
490	Cancer imaging and therapy with metal nanoparticles. 2009 , 2009, 2005-7		5
489	Gyromagnetic imaging: dynamic optical contrast using gold nanostars with magnetic cores. 2009 , 131, 9728-34		104
488	Chemical synthesis of novel plasmonic nanoparticles. 2009 , 60, 167-92		525
487	Controlled particle growth of silver sols through the use of hydroquinone as a selective reducing	,	85
	agent. <i>Langmuir</i> , 2009 , 25, 2613-21	4	05
486	Spectral and 3-Dimensional Tracking of Single Gold Nanoparticles in Living Cells Studied by Rayleigh Light Scattering Microscopy. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 11766-11772	3.8	47
	Spectral and 3-Dimensional Tracking of Single Gold Nanoparticles in Living Cells Studied by		
486	Spectral and 3-Dimensional Tracking of Single Gold Nanoparticles in Living Cells Studied by Rayleigh Light Scattering Microscopy. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 11766-11772		47
486 485	Spectral and 3-Dimensional Tracking of Single Gold Nanoparticles in Living Cells Studied by Rayleigh Light Scattering Microscopy. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 11766-11772 Biomolecular sensing via coupling DNA-based recognition with gold nanoparticles. 2009 , 42, 203001		47

481	Influence of transient environmental photothermal effects on optical scattering by gold nanoparticles. 2009 , 9, 2160-6	70
480	Visual sandwich immunoassay system on the basis of plasmon resonance scattering signals of silver nanoparticles. 2009 , 81, 1707-14	73
479	DNA functionalized gold nanoparticles for bioanalysis. 2009 , 1, 14-24	54
478	Plasmonic-controlled single molecule fluorescence near defined metallic nanostructures. 2009,	
477	DNA-Modified Nanoparticles: Gold and Silver. 2009 , 405-440	
476	The use of a colour camera for quantitative detection of protein-binding nanoparticles. 2009,	2
475	NanoDLSay: a new platform technology for biomolecular detection and analysis using gold nanoparticle probes coupled with dynamic light scattering. 2010 ,	
474	Depolarized scattering of silver nanostructures in dye-less sensing. 2010 ,	
473	Microwave-Accelerated Metal-Enhanced Fluorescence. 2010 , 161-181	1
472	Noble Metal Nanoparticles as Colorimetric Probes for Biological Analysis. 2010 , 183-214	
471	Synthesis and Characterization of Tunable Rainbow Colored Colloidal Silver Nanoparticles Using Single-Nanoparticle Plasmonic Microscopy and Spectroscopy. 2010 , 20, 9867-9876	194
470	Photoluminescence quenching and enhancement of CdSe/PMMA composite on Au colloids. 2010 , 492, 71-76	15
469	Protein complexes/aggregates as potential cancer biomarkers revealed by a nanoparticle aggregation immunoassay. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 78, 259-65	36
468	Functionalisation of nanoparticles for biomedical applications. 2010 , 5, 213-230	535
467	Building Interfacial Nanostructures by Size-Controlled Chemical Etching. 2010 , 5, 395-403	9
466	Nanotechnology in head and neck cancer: the race is on. 2010 , 12, 121-8	60
465	Combinatorial targeting and nanotechnology applications. 2010 , 12, 597-606	19
464	Use of Reversal Nanoimprinting of Nanoparticles to Prepare Flexible Waveguide Sensors Exhibiting Enhanced Scattering of the Surface Plasmon Resonance. <i>Advanced Functional Materials</i> , 2010 , 20, 1742-1749	11

(2010-2010)

463	Antireflective Nanoparticle Arrays Enhance the Efficiency of Silicon Solar Cells. <i>Advanced Functional Materials</i> , 2010 , 20, 3064-3075	55
462	Properties and applications of colloidal nonspherical noble metal nanoparticles. 2010, 22, 1805-25	809
461	Synthesis and characterization of noble-metal nanostructures containing gold nanorods in the center. 2010 , 22, 744-8	149
460	Ultrahighly sensitive homogeneous detection of DNA and microRNA by using single-silver-nanoparticle counting. 2010 , 16, 1010-6	18
459	Homogeneous biosensor based on optical detection of the rotational dynamics of anisotropic nanoparticles. 2010 , 5, 1107-1110	11
458	Gold nanoparticles: Optical properties and implementations in cancer diagnosis and photothermal therapy. 2010 , 1, 13-28	1217
457	Synthesis and use of self-assembled rhamnolipid microtubules as templates for gold nanoparticles assembly to form gold microstructures. 2010 , 347, 332-5	21
456	Structure and fluorescent properties of TiO2:Sm3+Ag composite. <i>Optical Materials</i> , 2010 , 32, 1540-1544 _{3.3}	10
455	Fabrication of discrete array of metallodielectric nanoshells and their surface plasmonic properties. 2010 , 518, 3581-3584	5
454	Multifunctional nanoparticles: analytical prospects. 2010 , 666, 1-22	215
453	Decreased resonance light scattering of citrate-stabilized gold nanoparticles by chemisorption of mercaptoacetic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 369, 253-25 9 .1	8
452	Solgel derived metal oxides doped with silver nanoparticles as tunable plasmonic materials. 2010 , 207, 1166-1169	8
451	Nanoparticle layer deposition for plasmonic tuning of microstructured optical fibers. 2010 , 6, 2584-9	51
450	Development of microfluidic-based heterogeneous immunoassays. 2010 , 2, 73-84	4
449	Metal-Enhanced Fluorescence: Progress Towards a Unified Plasmon-Fluorophore Description. 2010 , 1-23	8
448	Dark-field light scattering imaging of living cancer cell component from birth through division using bioconjugated gold nanoprobes. 2010 , 15, 046025	74
448		74 9

445	Gold nanoparticles delivery in mammalian live cells: a critical review. 2010 , 1,		155
444	Nanoparticle assemblies for biological and chemical sensing. 2010 , 20, 24-35		181
443	Colorimetric detection of mercury(II) ion using unmodified silver nanoparticles and mercury-specific oligonucleotides. <i>ACS Applied Materials & District Mat</i>	9.5	191
442	Plasmonics. 2010 , 175-240		2
441	Studies of Single Molecules in their Natural Form. 2010 , 49, 283-291		3
440	Scattering and Absorption Cross-Section Spectral Measurements of Gold Nanorods in Water. Journal of Physical Chemistry C, 2010 , 114, 2853-2860	3.8	48
439	Femtosecond Laser Synthesis of AuAg Nanoalloys: Photoinduced Oxidation and Ions Release. Journal of Physical Chemistry C, 2010 , 114, 10403-10409	3.8	74
438	Insights from a nanoparticle minuet: two-dimensional membrane profiling through silver plasmon ruler tracking. 2010 , 10, 230-8		42
437	Silver Nanosphere SERS Probes for Sensitive Identification of Pathogens. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 16122-16128	3.8	119
436	Control of morphology and its effects on the optical properties of polymer nanocomposites. <i>Langmuir</i> , 2010 , 26, 3659-65	4	29
435	Real time observation of chemical reactions of individual metal nanoparticles with high-throughput single molecule spectral microscopy. 2010 , 82, 8744-9		39
434	Biopharmaceutical applications of nanogold. 2010 , 18, 179-93		93
433	Nanophotonic and Subwavelength Structures for Sensing and Biosensing. 2010 , 73-106		3
432	Plasmonic nanobubbles as transient vapor nanobubbles generated around plasmonic nanoparticles. 2010 , 4, 2109-23		275
431	Lanthanide-based luminescent NanoGUMBOS. <i>Langmuir</i> , 2010 , 26, 15599-603	4	29
430	Spherical and Anisotropic Gold Nanomaterials in Plasmonic Laser Phototherapy of Cancer. 2010 ,		
429	Controllable preparation of metal nanoparticle/carbon nanotube hybrids as efficient dark field light scattering agents for cell imaging. 2010 , 46, 4303-5		36
428	Hydroxylamine-amplified gold nanoparticles for the homogeneous detection of sequence-specific DNA. <i>Analyst, The</i> , 2010 , 135, 1400-5	5	9

(2011-2010)

427	Aptamer-based silver nanoparticles used for intracellular protein imaging and single nanoparticle spectral analysis. 2010 , 114, 3655-9		81
426	One-shot deep-UV pulsed-laser-induced photomodification of hollow metal nanoparticles for high-density data storage on flexible substrates. 2010 , 4, 165-73		25
425	Optical Properties and Immunoassay Applications of Noble Metal Nanoparticles. 2010 , 2010, 1-12		3
424	Single-molecule gold-nanoparticle tracking. 2011 , 2011, 1498-506		4
423	Visual detection of cobalt(II) ion in vitro and tissue with a new type of leaf-like molecular microcrystal. 2011 , 47, 2562-4		37
422	Sensing Thermally Denatured DNA by Inhibiting the Growth of Au Nanoparticles: Spectral and Electrochemical Studies. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 14461-14468	3.8	5
421	G4-DNA-coated gold nanoparticles: synthesis and assembly. 2011 , 22, 2043-7		8
420	Individually color-coded plasmonic nanoparticles for RGB analysis. 2011 , 47, 8121-3		48
419	Assembly-based titration for the determination of monodisperse plasmonic nanoparticle concentrations using DNA. 2011 , 83, 4989-95		8
418	Length control of Ag nanorods in mesoporous SiO2IIiO2 by light irradiation. 2011 , 1, 584		12
417	Ultrasensitive, selective and simultaneous detection of cytochrome c and insulin based on immunoassay and aptamer-based bioassay in combination with Au/Ag nanoparticle tagging and ICP-MS detection. 2011 , 26, 1191		62
416	Strawberry Silver/SiO2 Structure: Synthesis and Its Optical Resonances. 2011 ,		
415	Combining functionalised nanoparticles and SERS for the detection of DNA relating to disease. 2011 , 149, 291-9; discussion 333-56		38
414	Single metal nanoparticles: optical detection, spectroscopy and applications. 2011 , 74, 106401		204
413	Facile Fabrication of Metal Nanoparticle/Graphene Oxide Hybrids: A New Strategy To Directly Illuminate Graphene for Optical Imaging. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 12815-12821	3.8	63
412	A one-step sensitive dynamic light scattering method for detection using split aptamer fragments. 2011 , 3, 59-61		20
411	The Use of Aluminum Nanostructures in Plasmon-Controlled Fluorescence Applications in the Ultraviolet Toward the Label-Free Detection of Biomolecules. 2011 , 215-255		2
410	Dual-signal fenamithion probe by combining fluorescence with colorimetry based on Rhodamine B modified silver nanoparticles. <i>Analyst, The</i> , 2011 , 136, 1351-6	5	30

409	Optical sizing of immunolabel clusters through multispectral plasmon coupling microscopy. 2011 , 11, 498-504		33
408	Self-assembled G4-DNA-silver nanoparticle structures. 2011 , 22, 482-7		19
407	Illuminating epidermal growth factor receptor densities on filopodia through plasmon coupling. 2011 , 5, 6619-28		58
406	Localized surface plasmon resonance: nanostructures, bioassays and biosensinga review. 2011 , 706, 8-24		721
405	Advances in localized surface plasmon resonance spectroscopy biosensing. 2011 , 6, 1447-62		114
404	Optical trapping through the localized surface-plasmon resonance of engineered gold nanoblock pairs. 2011 , 19, 17462-8		29
403	Design and Implementation of Noble Metal Nanoparticle Cluster Arrays for Plasmon Enhanced Biosensing. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 24437-24453	3.8	81
402	Overview of the characteristics of micro- and nano-structured surface plasmon resonance sensors. 2011 , 11, 1565-88		314
401	Porphysome nanovesicles generated by porphyrin bilayers for use as multimodal biophotonic contrast agents. 2011 , 10, 324-32		1043
400	The Use of Aluminum Nanostructures in Plasmon-Controlled Fluorescence Applications in the Ultraviolet Toward the Label-Free Detection of Biomolecules. 2011 , 153-188		
399	Application of Gold Nanoparticles for Early Detection of Breast Cancer Cells. 2011, 9, 544-547		5
398	Nanoscience in diagnostics: A short review. 2011 , 6,		1
397	The influence of different metal ions on light scattering properties of pattern microbial fuel cells' bacteria Desulfuromonas acetoxidans. 2011 ,		
396	The influence of 3d3type transition metals on light scattering properties of sulfur cycle bacteria Desulfuromonas acetoxidans. 2011 ,		
395	Light scattering spectra of sulfur-reducing bacteria Desulfuromonas acetoxidans under the influence of ions Fe metals. 2011 ,		1
394	A simple and sensitive assay of gallic acid based on localized surface plasmon resonance light scattering of silver nanoparticles through modified Tollens process. 2011 , 27, 937-41		25
393	A Fiber Optic Particle Plasmon Resonance Biosensing Platform Based on Detection of Light Scattering Intensity from the Proximal End. 2011 , 58, 786-792		3
392	Sensitizing of Sm3+ fluorescence by silver dopant in the TiO2 films. 2011 , 9,		1

391	Gold nanoparticles enclosed in silica xerogels by high-pressure processing. 2011 , 13, 4987-4995	12
390	Improving Pb2+ detection using DNAzyme-based fluorescence sensors by pairing fluorescence donors with gold nanoparticles. 2011 , 26, 2125-9	66
389	Nanoparticle synthesis in microreactors. 2011 , 66, 1463-1479	298
388	Blood protein adsorption and compatibility studies of gold nanoparticles. 2011 , 44, 15-20	19
387	Progress in the development of techniques based on light scattering for single nanoparticle detection. 2011 , 54, 1244-1253	12
386	A Review on Functionalized Gold Nanoparticles for Biosensing Applications. 2011 , 6, 491-506	543
385	A facile nanoparticle immunoassay for cancer biomarker discovery. 2011 , 9, 20	49
384	Nanomaterial-based advanced immunoassays. 2011 , 3, 119-133	27
383	Opalescence of an IgG2 monoclonal antibody solution as it relates to liquid-liquid phase separation. 2011 , 100, 4587-96	58
382	Self-assembly of lysozyme on the surfaces of gold nanoparticles. 2011 , 22, 973-976	2
381	Phase transformation of tetraethyleneglycol dodecyl ether solution studied by light scattering spectra: Micelle aggregation, vesicle and lamellar phase. 2011 , 987, 91-100	4
380	A localized surface plasmon resonance light scattering-based sensing of hydroquinone via the formed silver nanoparticles in system. 2011 , 79, 2012-6	33
379	Copper detection utilizing dendrimer and gold nanowire-induced surface plasmon resonance. 2011 , 109, 014911	6
378	Force-free measurements of the conformations of DNA molecules tethered to a wall. 2011 , 83, 011916	23
377	Intensification of the Photosynthetic Action Spectrum of Ba3MgSi2O8:Eu2+, Mn2+ Phosphor with Metal-Enhanced Fluorescence. 2011 , 15, P1-P4	7
376	Plasmonic nanoparticles for optical biosensing. 2011,	1
375	Influence of phase function on modeled optical response of nanoparticle-labeled epithelial tissues. 2011 , 16, 085002	3
374	Direct imaging of DNA motif sequences with encoded nanoparticles. 2011 , 2011, 4770-3	

373	A Simple Approach to the Synthesis of Hexagonal-Shaped Silver Nanoplates. 2011, 2011, 1-5	7
372	Fine Particles in Medicine and Pharmacy. 2012,	6
371	Metal ion-dependent DNAzymes and their applications as biosensors. 2012 , 10, 217-48	42
370	- Location and Biomarker Characterization of Circulating Tumor Cells. 2012 , 282-299	
369	Functionalisation, Characterization, and Application of Metal Nanoparticles for Bioanalysis. 2012, 33-58	
368	Transient photothermal spectra of plasmonic nanobubbles. <i>Langmuir</i> , 2012 , 28, 4858-66 4	26
367	Polarization-dependent multipolar plasmon resonances in anisotropic multiscale au particles. 2012 , 6, 1786-94	27
366	Gold nanoparticle/charged silsesquioxane films immobilized onto Al/SiO2 surface applied on the electrooxidation of nitrite. 2012 , 16, 3703-3713	36
365	Charged silsesquioxane used as a vehicle for gold nanoparticles to perform the synthesis of catalyst xerogels. 2012 , 63, 258-265	14
364	A novel gold nanoparticles-based assay for rapid detection of Melissococcus plutonius, the causative agent of European foulbrood. 2012 , 171, 400	11
363	Molecular-mediated assembly of silver nanoparticles with controlled interparticle spacing and chain length. 2012 , 22, 22204	22
362	Quantitative full-colour transmitted light microscopy and dyes for concentration mapping and measurement of diffusion coefficients in microfluidic architectures. 2012 , 12, 808-20	44
361	An assay of DNA by resonance light scattering technique and its application in screening anticancer drugs. 2012 , 4, 1546-1551	13
360	Analysis of metallic nanoparticle-DNA assembly formation in bulk solution via localized surface plasmon resonance shift. 2012 , 2, 5154	8
359	Counting bacteria using functionalized gold nanoparticles as the light-scattering reporter. 2012 , 84, 9721-8	43
358	Aptamer-mediated nanoparticle-based protein labeling platform for intracellular imaging and tracking endocytosis dynamics. 2012 , 84, 3099-110	51
357	Modeling and development of a biosensor based on optical relaxation measurements of hybrid nanoparticles. 2012 , 6, 791-801	38
356	Scavenger receptor mediated endocytosis of silver nanoparticles into J774A.1 macrophages is heterogeneous. 2012 , 6, 7122-32	96

355	pH-controlled delivery of luminescent europium coated nanoparticles into platelets. 2012 , 109, 1862-7		73
354	Comparative study of Ag and Au nanoparticles biosensors based on surface plasmon resonance phenomenon. 2012 , 32, 1437-42		39
353	Highly enhanced UV emission due to surface plasmon resonance in AglanO nanorods. 2012, 542, 110-116		58
352	Biosensors Based on Nanoparticles and Electrochemical Detection. 2012 , 247-267		3
351	Fiber optic particle plasmon resonance sensor based on plasmonic light scattering interrogation. 2012 , 524, 705-712		2
350	Individual Plasmonic Nanostructures as Label Free Biosensors. 2012 , 105-126		
349	Online Detection Methods and Emerging Techniques for Soluble Aggregates in Protein Pharmaceuticals. 2012 , 61-84		1
348	Two-photon absorption spectrum of silver nanoparticles. 2012 , 285, 5420-5424		12
347	Fluorescence intensification of Rhodamine 6G in Zirconia-Glymo glasses. <i>Optical Materials</i> , 2012 , 34, 2021-2024	.3	9
346	Trace mercury ion determination based on the highly selective redox reaction between stannous ion and mercury ion enhanced by gold nanoparticles. 2012 , 99, 347-52		19
345	Gold-peptide nanoconjugate cellular uptake is modulated by serum proteins. 2012, 8, 822-32		22
344	Chapter 9:DNA Self-assembly: from Nanostructures to Macro-engineering. 2012 , 204-222		
343	Biomedical Applications of Gold Nanoparticles. 2012 , 101-145		3
342	Au nanostructures: an emerging prospect in cancer theranostics. 2012 , 55, 872-83		11
341	Imaging of Single Biomolecules by Scanning Tunneling Microscopy. 2012 , 85-142		
340	One-step conjugation chemistry of DNA with highly scattered silver nanoparticles for sandwich detection of DNA. <i>Analyst, The</i> , 2012 , 137, 3434-6		31
339	Methods for analysis of amyloid-laggregates. 2012 , 28, 735-58		47
338	Simple, sensitive and selective detection of dopamine using dithiobis(succinimidylpropionate)-modified gold nanoparticles as colorimetric probes. <i>Analyst, The</i> , 5 2012 , 137, 3794-9		66

337	Positively charged silver nanoparticles and their effect on surface-enhanced Raman scattering of dye-labelled oligonucleotides. 2012 , 48, 8192-4	66
336	Enhancing the device performance of Sb2S3-sensitized heterojunction solar cells by embedding Au nanoparticles in the hole-conducting polymer layer. 2012 , 14, 3622-6	22
335	Distance-Dependent Metal-Enhanced Intrinsic Fluorescence of Proteins Using Polyelectrolyte Layer-by-Layer Assembly and Aluminum Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 10766 ³ 1077	73 ⁷²
334	Interplay between Metal Ions and Nucleic Acids. 2012,	11
333	Multimodal optical microscopy in combination with gold nanorods for cancer cell imaging. 2012 , 17, 126002	4
332	Improved cellular specificity of plasmonic nanobubbles versus nanoparticles in heterogeneous cell systems. <i>PLoS ONE</i> , 2012 , 7, e34537	32
331	The MUC1 Ectodomain: A Novel and Efficient Target for Gold Nanoparticle Clustering and Vapor Nanobubble Generation. 2012 , 2, 777-87	12
330	The golden age: gold nanoparticles for biomedicine. 2012 , 41, 2740-79	2437
329	Gold nanoparticles in chemical and biological sensing. 2012 , 112, 2739-79	3476
328	Gold nanoparticle-enabled biological and chemical detection and analysis. 2012 , 41, 2849-66	557
327	Stimulated Mie scattering in nanocrystals suspension. 2012 , 101, 011110	11
326	Gamma radiation synthesis of plasmonic nanoparticles for dark field cell imaging. 2012 , 7, 360	5
325	Advances in molecular imaging: targeted optical contrast agents for cancer diagnostics. 2012 , 7, 429-45	119
324	Non-specific internalization of laser ablated pure gold nanoparticles in pancreatic tumor cell. **Colloids and Surfaces B: Biointerfaces, 2012 , 92, 190-5	15
323	Studies on the interaction of pulsed lasers with plasmonic gold nanoparticles toward light manipulation, heat management, and nanofabrication. 2012 , 13, 28-54	249
322	An Ecofriendly synthesis of silver nano-bioconjugates by Penicillium citrinum (MTCC9999) and its antimicrobial effect. 2013 , 3, 16	17
321	Cytotoxicity of cuprous oxide nanoparticles to fish blood cells: hemolysis and internalization. 2013 , 15, 1	19
320	Metal-enhanced fluorescence of nano-core-shell structure used for sensitive detection of prion protein with a dual-aptamer strategy. 2013 , 787, 239-45	27

319	THE CHEMISTRY AND BIOLOGY OF GOLD NANOPARTICLE-MEDIATED PHOTOTHERMAL THERAPY: PROMISES AND CHALLENGES. 2013 , 03, 1330001	19
318	Polysaccharide Based Graft Copolymers. 2013 ,	25
317	Silver nanoparticles embedded in functionalized silicate sol-gel network film as optical sensor for the detection of biomolecules. 2013 , 68, 241-248	7
316	Influence of Plasmonic Silver Nanoparticles on Fluorescence Quenching of 1,4-dihydroxy-3-methylanthracene-9,10-dione. 2013 , 8, 859-867	10
315	Hyperspectral microscopy for characterization of gold nanoparticles in biological media and cells for toxicity assessment. 2013 , 1025, 167-78	6
314	In situ self-assembly synthesis of gold nanoparticle arrays on polystyrene microspheres and their surface plasmon resonance. 2013 , 291, 239-244	14
313	Mercuric ions induced aggregation of gold nanoparticles as investigated by localized surface plasmon resonance light scattering and dynamic light scattering techniques. 2013 , 56, 806-812	5
312	Single scattering particles based analytical techniques. 2013 , 58, 1969-1979	7
311	Rapid single cell detection of Staphylococcus aureus by aptamer-conjugated gold nanoparticles. 2013 , 3, 1863	178
310	Localized surface plasmon resonance: a unique property of plasmonic nanoparticles for nucleic acid detection. 2013 , 5, 12043-71	105
309	Real-time dark-field scattering microscopic monitoring of the in situ growth of single Ag@Hg nanoalloys. 2013 , 7, 11026-34	95
308	Graphene-based nanomaterials for nanobiotechnology and biomedical applications. 2013, 8, 1669-88	86
307	Using graphene quantum dots as photoluminescent probes for protein kinase sensing. 2013 , 85, 9148-55	148
306	Fabrication of Gold Nanodot Array on Plastic Films for Bio-sensing Applications. 2013 , 5, 47-52	9
305	Characterizing the lateral friction of nanoparticles on on-chip integrated black lipid membranes. 2013 , 9, 876-84	10
304	Digitized single scattering nanoparticles for probing molecular binding. 2013 , 49, 8262-4	16
303	Hyperspectral imaging (HSI) to evaluate the interaction of optically active nanoparticles in biological media and cells. 2013 , 84, 210-217	5
302	Gold nanoparticles: an era in bionanotechnology. 2013 , 10, 397-409	59

301	Spectral Imaging: Methods, Design, and Applications. 2013 , 111-161	5
300	Near-infrared fluorescing IR820-chitosan conjugate for multifunctional cancer theranostic applications. 2013 , 119, 52-9	42
299	miR-148b-nanoparticle conjugates for light mediated osteogenesis of human adipose stromal/stem cells. 2013 , 34, 7799-810	64
298	Ablation of hypoxic tumors with dose-equivalent photothermal, but not photodynamic, therapy using a nanostructured porphyrin assembly. 2013 , 7, 2541-50	321
297	Silver nanoscale antisense drug delivery system for photoactivated gene silencing. 2013 , 7, 2948-59	111
296	Composite magneticplasmonic nanoparticles for biomedicine: Manipulation and imaging. 2013 , 8, 98-113	76
295	Optical microscopy and spectroscopy of analyte-sensitive functionalized gold nanoparticles in microfluidic systems. 2013 ,	7
294	Fabrication of Au nanotube arrays and their plasmonic properties. 2013 , 5, 3742-6	29
293	Homogeneous Immunoassays. 2013 , 67-87	6
292	Dextran Graft Copolymers: Synthesis, Properties and Applications. 2013 , 205-269	2
291	Resonant light scattering spectroscopy of gold, silver and gold-silver alloy nanoparticles and optical detection in microfluidic channels. <i>Analyst, The,</i> 2013 , 138, 583-92	117
290	Light scattering methods for tracking gold nanoparticles aggregation induced by biotin-neutravidin interaction. 2013 , 177-178, 7-13	11
- 0 -		
289	Laser synthesis of ligand-free bimetallic nanoparticles for plasmonic applications. 2013 , 15, 3075-82	68
289	A new light-scattering sensor for screening G-quadruplex stabilizers based on DNA-folding-mediated assembly of gold nanoparticles. 2013 , 1, 3057-3063	10
	A new light-scattering sensor for screening G-quadruplex stabilizers based on	
288	A new light-scattering sensor for screening G-quadruplex stabilizers based on DNA-folding-mediated assembly of gold nanoparticles. 2013 , 1, 3057-3063	10
288	A new light-scattering sensor for screening G-quadruplex stabilizers based on DNA-folding-mediated assembly of gold nanoparticles. 2013 , 1, 3057-3063 Gold nanoparticles: a paradigm shift in biomedical applications. 2013 , 199-200, 44-58	10

(2014-2013)

283	Magnetic FeDEBased Sandwich-Type Biosensor Using Modified Gold Nanoparticles as Colorimetric Probes for the Detection of Dopamine. 2013 , 6, 5690-5699	17
282	Multianalyte detection using fiber optic particle plasmon resonance sensor based on plasmonic light scattering interrogation. 2013 ,	
281	Synthesis of Silver Nanoparticles by a Bryophilous Rhizoctonia Species. 2013 , 3, 2	17
280	Barium titanate coregold shell nanoparticles for hyperthermia treatments. 2013 , 8, 2319-31	23
279	Biochips as Novel Bioassays. 2013 , 35	1
278	Spectral investigations on the influence of silver nanoparticles on the fluorescence quenching of 1,4-dimethoxy-2,3-dibromomethylanthracene-9,10-dione. 2014 , 68, 1	4
277	Plasmonics. 2014 , 179-245	1
276	Optical coherence correlation spectroscopy (OCCS). 2014 , 22, 782-802	9
275	AgNP-DNA@GQDs hybrid: new approach for sensitive detection of H2O2 and glucose via simultaneous AgNP etching and DNA cleavage. 2014 , 86, 12348-54	96
274	Cyclen dithiocarbamate-functionalized silver nanoparticles as a probe for colorimetric sensing of thiram and paraquat pesticides via hostguest chemistry. 2014 , 16, 1	43
273	Amplified Production of Singlet Oxygen in Aqueous Solution Using Metal Enhancement Effects. 2014 , 90, 85-91	26
272	Polyvinylpyrrolidone as an Efficient Stabilizer for Silver Nanoparticles. 2014 , 32, 909-913	3
271	Gold NanoparticleDynamic Light Scattering Tandem for the Rapid and Quantitative Detection of the let7 MicroRNA Family. 2014 , 31, 1260-1268	22
270	Fabrication of partially oxidized ultra-thin nanocrystalline silver films: effect of surface plasmon resonance on fluorescence quenching and surface enhanced Raman scattering. 2014 , 1, 025014	7
269	DNA interaction probed by evanescent wave cavity ring-down absorption spectroscopy via functionalized gold nanoparticles. 2014 , 820, 1-8	3
268	Synthesis and nonlinear optical response of silver nanoparticles decorated polydiacetylene composite nanovesicles. 2014 , 312, 127-133	11
267	Synthesis of size tunable monodispersed silver nanoparticles and the effect of size on SERS enhancement. 2014 , 71, 41-46	36
266	Manipulation and Optical Detection of Colloidal Functional Plasmonic Nanostructures in Microfluidic Systems. 2014 , 20, 102-114	2

265	Poly(ionic liquid)s with redox active counter-anions: All-in-one reactants and stabilizers for the synthesis of functional colloids. 2014 , 79, 54-58		28
264	Influence of Dielectric Anisotropy on the Absorption Properties of Localized Surface Plasmon Resonances Embedded in Si Nanowires. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 5494-5500	3.8	12
263	Ru dye functionalized Au-SiO2@TiO2 and Au/Pt-SiO2@TiO2 nanoassemblies for surface-plasmon-induced visible light photocatalysis. 2014 , 421, 114-21		11
262	Core-shell silver nanoparticles for optical labeling of cells. <i>Analytical Biochemistry</i> , 2014 , 458, 43-8	3.1	5
261	Direct detection of prostate specific antigen by darkfield microscopy using single immunotargeting silver nanoparticle. <i>Sensors and Actuators B: Chemical</i> , 2014 , 190, 737-744	8.5	27
2 60	Effects of silver nanoparticles with different sizes on photochemical responses of polythiophene-fullerene thin films. 2014 , 16, 1166-73		11
259	Handbook of Gas Sensor Materials. Integrated Analytical Systems, 2014,	0.4	41
258	Probing subdiffraction limit separations with plasmon coupling microscopy: concepts and applications. 2014 , 43, 3884-97		47
257	Generic phosphatase activity detection using zinc mediated aggregation modulation of polypeptide-modified gold nanoparticles. 2014 , 6, 14204-12		12
256	Nanoparticles. 2014,		15
255	Enhanced gas-sensing response by gamma ray irradiation: Ag/Ag2SnO3 nanoparticle-based sensor to ethanol, nitromethane and acetic acid. 2014 , 2, 10082-10086		14
254	Dual localized scanning plasmon resonance and electrochemical investigations of organophosphorus insecticides presence. 2014 , 4, 1484-1488		1
253	Substrate Effect on the Refractive Index Sensitivity of Silver Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 24680-24687	3.8	54
252	Silver and magnetic nanoparticles for sensitive DNA detection by SERS. 2014 , 50, 12907-10		52
251	Highly efficient gold nanoparticle dimer formation via DNA hybridization. 2014, 4, 15281		15
250	Noninvasive label-free nanoplasmonic optical imaging for real-time monitoring of in vitro amyloid fibrogenesis. 2014 , 6, 3561-5		9
249	Toehold-mediated internal control to probe the near-field interaction between the metallic nanoparticle and the fluorophore. 2014 , 6, 12515-23		4
248	Nanoconjugation: A Materials Approach to Enhance Epidermal Growth Factor Induced Apoptosis. 2014 , 2, 156-166		15

247	Poly(ionic liquids) as EmartIstabilizers for metal nanoparticles. 2014 , 60, 114-122	68
246	Controlled accommodation of metal nanostructures within the matrices of polymer architectures through solution-based synthetic strategies. 2014 , 39, 1878-1907	22
245	Size measurement uncertainties of near-monodisperse, near-spherical nanoparticles using transmission electron microscopy and particle-tracking analysis. 2014 , 16, 1	18
244	Synthesis at the nanoscale of ZnO into poly(methyl methacrylate) and its characterization. 2014 , 117, 1085-1093	26
243	Colorimetric chiral discrimination and determination of enantiometric excess of D/L-tryptophan using silver nanoparticles. 2014 , 181, 1407-1413	42
242	Single-molecule enzymology based on the principle of the Millikan oil drop experiment. <i>Analytical Biochemistry</i> , 2014 , 448, 30-7	1
241	Gold Nanospheres Assembled on Hydrogel Colloids Display a Wide Range of Thermoreversible Changes in Optical Bandwidth for Various Plasmonic-Based Color Switches. 2014 , 26, 3272-3279	44
240	Confocal SERS mapping of glycan expression for the identification of cancerous cells. 2014 , 86, 4775-82	41
239	CTAB-mediated synthesis and characterization of ZnO/Ag coreBhell nanocomposites. 2014, 612, 306-314	25
238	Efficient optical coupling into a single plasmonic nanostructure using a fiber-coupled microspherical cavity. 2014 , 89,	7
237	Measurement and Characterization Techniques. 2014 , 105-116	
236	Molecular Plasmonics: Life Sciences Applications. 2014 , 117-156	
235	Optical Properties of Metamaterials and Nanoparticles Made from Them. 2014 , 367-420	
234	Wet-chemical Passivation of Anisotropic Plasmonic Nanoparticles for LSPR-sensing by a Silica Shell. 2015 , 2, 33-40	4
233	Gold Nanoparticles Decorated with Sialic Acid Terminated Bi-antennary N-Glycans for the Detection of Influenza Virus at Nanomolar Concentrations. 2015 , 4, 708-16	22
232	Conclusion. 2015 , 515-636	
231	Single-Molecule Detection and Spectroscopy. 2015 , 59-100	
230	Ultrafast photon counting applied to resonant scanning STED microscopy. 2015 , 257, 31-8	19

229	. 2015,	9
228	Nonlinear optical properties of near-infrared region Ag2S quantum dots pumped by nanosecond laser pulses. 2015 , 6, 1781-7	21
227	Nanomaterials-Tools, Technology and Methodology of Nanotechnology Based Biomedical Systems for Diagnostics and Therapy. 2015 , 3, 203-223	13
226	Analyzing Carbohydrate-Protein Interaction Based on Single Plasmonic Nanoparticle by Conventional Dark Field Microscopy. <i>ACS Applied Materials & Dark Field Microscopy</i> . 9.5	26
225	Smart Plasmonic Glucose Nanosensors as Generic Theranostic Agents for Targeting-Free Cancer Cell Screening and Killing. 2015 , 87, 6868-74	33
224	Localized Surface Plasmon Resonance of Silver Nanotriangles Synthesized by a Versatile Solution Reaction. 2015 , 10, 1058	43
223	Dynamic Light Scattering Coupled with Gold Nanoparticle Probes as a Powerful Sensing Technique for Chemical and Biological Target Detection. 2015 , 157-179	6
222	Study of NBE emission enhancement with an absence of DL emission from ZnO nanorods through controlled growth on ultra-thin Ag films. 2015 , 333, 244-253	15
221	Fast and cost-effective fabrication of large-area plasmonic transparent biosensor array. 2015 , 15, 1343-9	12
220	Universal One-Pot and Scalable Synthesis of SERS Encoded Nanoparticles. 2015 , 27, 950-958	81
219	Gold Nanoparticles in Cancer Drug Delivery. 2015 , 221-237	5
218	Maintenance of the activity of mono-dispersed Au and Ag nano-particles embedded in agar gel for ion-sensing and antimicrobial applications. 2015 , 58, 666-672	5
217	Modern Applications of Plasmonic Nanoparticles: From Energy to Health. 2015 , 3, 602-617	140
216	Porphyrin nanoparticles in photomedicine. 2015 , 511-526	3
215	Effect of silver nanoparticle geometry on methicillin susceptible and resistant Staphylococcus aureus, and osteoblast viability. 2015 , 26, 215	40
214	Gold Nanostars. 2015 ,	13
213	Principles and application of laser light scattering (LLS) in characterization of the spatial configuration of microbial products in aqueous solution. 2015 , 8, 12-19	
212	Spectroscopic laser parameters of Ag/CdTe nanostructure. 2015 , 167, 408-412	3

(2015-2015)

211	SERS active colloidal nanoparticles for the detection of small blood biomarkers using aptamers. 2015 ,		2
210	Engineering noble metal nanomaterials for environmental applications. 2015 , 7, 7502-19		104
209	Gold nanoparticle-enabled blood test for early stage cancer detection and risk assessment. ACS Applied Materials & Description of the Action o	.5	99
208	Observation of two-photon induced three-photon absorption in chemically synthesized silver nanostructures. 2015 , 629, 70-75		4
207	Noble Metal Nanomaterials: Synthetic Routes, Fundamental Properties, and Promising Applications. 2015 , 66, 131-211		12
206	Gold Nanoparticles: Synthesis and Biological Applications. 2015 , 05, 1542007		16
205	Aqueous-solution synthesis of uniform PbS nanocubes and their optical properties. 2015, 17, 1		4
204	Interactions of Gold Nanostars with Cells. 2015 , 61-74		
203	Revealing the trehalose mediated inhibition of protein aggregation through lysozyme-silver nanoparticle interaction. 2015 , 11, 7241-9		22
202	Ultra-sensitive immunosensor for detection of hepatitis B surface antigen using multi-functionalized gold nanoparticles. 2015 , 895, 1-11		29
201	Gold Nanomaterials at Work in Biomedicine. 2015 , 115, 10410-88		818
200	Real-time monitoring of oxidative etching on single Ag nanocubes via light-scattering dark-field microscopy imaging. 2015 , 7, 15209-13		33
199	Ultra-sensitive detection of biomarker using localized surface plasmon resonance (LSPR) enhanced by ELISA. 2015 ,		
198	Two-Photon Sensing and Imaging of Endogenous Biological Cyanide in Plant Tissues Using Graphene Quantum Dot/Gold Nanoparticle Conjugate. <i>ACS Applied Materials & Description</i> , 7, 19509-15	.5	47
197	Evanescent Light-Scattering Microscopy for Label-Free Interfacial Imaging: From Single Sub-100 nm Vesicles to Live Cells. 2015 , 9, 11849-62		51
196	Colourimetric detection of Ag(I) ions using dCTP-stabilised gold nanoparticles. 2015 , 7, 1110-1114		3
195	Dark-field-based observation of single-nanoparticle dynamics on a supported lipid bilayer for in situ analysis of interacting molecules and nanoparticles. 2015 , 16, 77-84		4
194	Quantifying lipid contents in enveloped virus particles with plasmonic nanoparticles. 2015 , 11, 1592-602		11

193	Plasmonic nanoparticle synthesis and bioconjugation for bioanalytical sensing. 2015 , 15, 266-275	2	25
192	Gold nanoparticles as a potential tool for diagnosis of fish diseases. 2015 , 1247, 245-52	8	3
191	Ultra-sensitive plasmonic nanometal scattering immunosensor based on optical control in the evanescent field layer. 2015 , 63, 444-449	1	ι8
190	Label-free fluorescence assay for protein kinase based on peptide biomineralized gold nanoclusters as signal sensing probe. 2015 , 64, 234-40	j	5 8
189	Enhanced and selective permeability of gold nanoparticles functionalized with cell penetrating peptide derived from maurocalcine animal toxin. 2016 , 104, 2693-700	2	20
188	Synthesis and Properties of Novel Silver-Containing DNA Molecules. 2016 , 28, 4839-44	2	29
187	Investigation of Silver Nanoparticle Assembly Following Hybridization with Different Lengths of DNA. 2016 , 33, 404-411	3	3
186	High-Yield Excited Triplet States in Pentacene Self-Assembled Monolayers on Gold Nanoparticles through Singlet Exciton Fission. 2016 , 55, 5230-4	3	32
185	ECyclodextrin-modified silver nanoparticles as colorimetric probes for the direct visual enantioselective recognition of aromatic lamino acids. 2016 , 8, 5794-5800	2	23
184	A Scalable Platform for Functional Nanomaterials via Bubble-Bursting. 2016 , 28, 4047-52	1	16
183	Ferric plasmonic nanoparticles, aptamers, and magnetofluidic chips: toward the development of diagnostic surface-enhanced Raman spectroscopy assays. 2016 , 21, 127005	3	3
182	DNA-Directed Assembly of Nanogold Dimers: A Unique Dynamic Light Scattering Sensing Probe for Transcription Factor Detection. 2015 , 5, 18293	2	2 3
181	Nonamplification Sandwich Assay Platform for Sensitive Nucleic Acid Detection Based on AuNPs Enumeration with the Dark-Field Microscope. 2016 , 88, 4188-91	Ĵ	39
180	Use of fluorescence signals generated by elastic scattering under monochromatic incident light for determining the scattering efficiencies of various plasmonic nanoparticles. <i>Analyst, The</i> , 2016 , 141, 4632 ⁵ 9	2	2
179	Tuning Localized Surface Plasmon Resonance Wavelengths of Silver Nanoparticles by Mechanical Deformation. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 20886-20895	3 2	28
178	Robust nanoplasmonic substrates for aptamer macroarrays with single-step detection of PDGF-BB. 2016 , 85, 429-436	1	[2
177	A magnetic nanoparticle-based aptasensor for selective and sensitive determination of lysozyme with strongly scattering silver nanoparticles. <i>Analyst, The,</i> 2016 , 141, 3020-6	1	13
176	Hybrid organic-inorganic light emitting diodes: Effect of Ag-doped ZnO. 2016 , 325, 88-96	1	16

(2016-2016)

175	Plasmon-Enhanced Photocleaving Dynamics in Colloidal MicroRNA-Functionalized Silver Nanoparticles Monitored with Second Harmonic Generation. <i>Langmuir</i> , 2016 , 32, 10394-10401	4	14
174	Synthesis, characterization and third-order nonlinear optical properties of polydiacetylene nanostructures, silver nanoparticles and polydiacetyleneBilver nanocomposites. 2016 , 87, 1		3
173	Photodynamic Therapy. 2016, 753-770		2
172	Facile synthesis of gold nanoflowers as SERS substrates and their morphological transformation induced by iodide ions. 2016 , 59, 1045-1050		6
171	Reverse Fluorescence Enhancement and Colorimetric Bimodal Signal Readout Immunochromatography Test Strip for Ultrasensitive Large-Scale Screening and Postoperative Monitoring. <i>ACS Applied Materials & Discording ACS Applied Materials & Discording States</i> (1988) 100 November 1988 1989 1989 1989 1989 1989 1989 198	9.5	38
170	High-Speed Calcium Imaging of Neuronal Activity Using Acousto-Optic Deflectors. 2016 , 331-356		1
169	Ultrasensitive Detection of #Fetoprotein by Total Internal Reflection Scattering-Based Super-Resolution Microscopy for Superlocalization of Nano-Immunoplasmonics. 2016 , 88, 11070-11076		16
168	Nonspecific Colloidal-Type Interaction Explains Size-Dependent Specific Binding of Membrane-Targeted Nanoparticles. 2016 , 10, 9974-9982		18
167	High-Yield Excited Triplet States in Pentacene Self-Assembled Monolayers on Gold Nanoparticles through Singlet Exciton Fission. 2016 , 128, 5316-5320		13
166	DLS and zeta potential - What they are and what they are not?. 2016 , 235, 337-351		1562
166 165	DLS and zeta potential - What they are and what they are not?. 2016 , 235, 337-351 Magnetic and Plasmonic Contrast Agents in Optical Coherence Tomography. 2016 , 22,		1562 7
165	Magnetic and Plasmonic Contrast Agents in Optical Coherence Tomography. 2016 , 22,		7
165 164	Magnetic and Plasmonic Contrast Agents in Optical Coherence Tomography. 2016 , 22, Linear dichroism and optical anisotropy of silver nanoprisms in polymer films. 2016 , 27, 325704		7
165 164 163	Magnetic and Plasmonic Contrast Agents in Optical Coherence Tomography. 2016 , 22, Linear dichroism and optical anisotropy of silver nanoprisms in polymer films. 2016 , 27, 325704 Annealed silver-islands for enhanced optical absorption in organic solar cell. 2016 , 598, 177-183		7 3 15
165 164 163	Magnetic and Plasmonic Contrast Agents in Optical Coherence Tomography. 2016 , 22, Linear dichroism and optical anisotropy of silver nanoprisms in polymer films. 2016 , 27, 325704 Annealed silver-islands for enhanced optical absorption in organic solar cell. 2016 , 598, 177-183 Progress in the biosensing techniques for trace-level heavy metals. 2016 , 34, 47-60 Comparison of Fe2O3and Fe2CoO4core-shell plasmonic nanoparticles for aptamer mediated SERS		7 3 15 61
165 164 163 162 161	Magnetic and Plasmonic Contrast Agents in Optical Coherence Tomography. 2016, 22, Linear dichroism and optical anisotropy of silver nanoprisms in polymer films. 2016, 27, 325704 Annealed silver-islands for enhanced optical absorption in organic solar cell. 2016, 598, 177-183 Progress in the biosensing techniques for trace-level heavy metals. 2016, 34, 47-60 Comparison of Fe2O3and Fe2CoO4core-shell plasmonic nanoparticles for aptamer mediated SERS assays. 2016,		7 3 15 61 3

157	Sensitive Detection of Polycyclic Aromatic Molecules: Surface Enhanced Raman Scattering via 🗓 Stacking. 2016 , 88, 4328-35	14
156	Fast Optical Chemical and Structural Classification of RNA. 2016 , 10, 2834-42	41
155	Enzyme-coupled nanoplasmonic biosensing of cancer markers in human serum. 2016 , 81, 324-333	20
154	A portable optical waveguide resonance light-scattering scanner for microarray detection. <i>Analyst, The,</i> 2016 , 141, 199-205	5
153	Near-Infrared Light-Mediated Gold Nanoplatforms for Cancer Theranostics. 2016 , 3-52	3
152	Control over the charge transfer in dye-nanoparticle decorated graphene. 2016 , 644, 176-182	5
151	Preferential Attachment of Specific Fluorescent Dyes and Dye Labeled DNA Sequences in a Surface Enhanced Raman Scattering Multiplex. 2016 , 88, 1147-53	16
150	Surface modifications to boost sensitivities of electrochemical biosensors using gold nanoparticles/silicon nanowires and response surface methodology approach. 2016 , 51, 1083-1097	19
149	Highly sensitive on-site detection of drugs adulterated in botanical dietary supplements using thin layer chromatography combined with dynamic surface enhanced Raman spectroscopy. <i>Talanta</i> , 6.2 2016 , 146, 351-7	44
148	Orthogonal Methods for Characterizing the Unfolding of Therapeutic Monoclonal Antibodies: Differential Scanning Calorimetry, Isothermal Chemical Denaturation, and Intrinsic Fluorescence with Concomitant Static Light Scattering. 2016 , 567, 359-89	39
147	Study of interfacial charge transfer in nanosemiconductor fholecule composites. 2017, 30, e3600	
146	Hybrid plasmonic-photonic crystal formed on gel-immobilized colloidal crystal via solvent substitution. 2017 , 468, 740-743	2
145	A reusable aptasensor of thrombin based on DNA machine employing resonance light scattering technique. 2017 , 92, 259-265	38
144	CHNHPbI films prepared by combining 1- and 2-step deposition: how crystal growth conditions affect properties. 2017 , 19, 7204-7214	15
143	Interfacial charge-transfer process in nanosemiconductor-N-benzylpiperidine phenanthroimidazole (BDPI)-metal heterostructure: A combined experimental and theoretical studies of BDPI-(FeO)n composites. 2017 , 342, 59-77	3
142	Novel photoelectrochemical immunosensor for disease-related protein assisted by hemin/G-quadruplex-based DNAzyme on gold nanoparticles to enhance cathodic photocurrent on p-CuBiO semiconductor. 2017 , 96, 317-323	80
141	Food Quality Monitor: Paper-Based Plasmonic Sensors Prepared Through Reversal Nanoimprinting for Rapid Detection of Biogenic Amine Odorants. <i>ACS Applied Materials & Detection of Biogenic Amine Odorants</i> . <i>ACS Applied Materials & Detection of Biogenic Amine Odorants</i> .	6 ³⁶
140	Janus plasmonic-magnetic gold-iron oxide nanoparticles as contrast agents for multimodal imaging. 2017 , 9, 9467-9480	109

139	Bioresponsive controlled glucose release from TiO2 nanotube arrays: a simple and portable biosensing system for cocaine with a glucometer readout. 2017 , 5, 5573-5579		10
138	Fluorescent carbon dots: facile synthesis at room temperature and its application for Fe2+ sensing. 2017 , 19, 1		22
137	Extinction, emission, and scattering spectroscopy of 5-50 nm citrate-coated gold nanoparticles: An argument for curvature effects on aggregation. 2017 , 175, 100-109		20
136	From gold nanoparticles to luminescent nano-objects: experimental aspects for better gold-chromophore interactions. 2017 , 6, 71-92		23
135	Optical transformation of a CdTe quantum dot-based paper sensor for a visual fluorescence immunoassay induced by dissolved silver ions. 2017 , 5, 826-833		68
134	Physiochemical charge stabilization of silver nanoparticles and its antibacterial applications. 2017 , 669, 71-79		17
133	Branched Nanostructure for Dual-Model Imaging. 2017 , 07, 1750003		
132	Multi-angle ZnO microstructures grown on Ag nanorods array for plasmon-enhanced near-UV-blue light emitter. 2017 , 28, 415707		5
131	The Structure of Short and Genomic DNA at the Interparticle Junctions of Cationic Nanoparticles. 2017 , 4, 1700724		13
130	Upconversion manipulation by local electromagnetic field. 2017 , 17, 54-78		78
129	Au/SiO2 nanoparticles in TiO2:Sm3+ films for improved fluorescence sensing of oxygen. 2017 , 5, 11958-1	1964	4 5
128	Aptamer based biosensors for detection of Staphylococcus aureus. <i>Sensors and Actuators B: Chemical</i> , 2017 , 241, 619-635	3.5	91
127	The influence of surface plasmons on fluorescence of the dye Lumogen F red 300 in condensed phase. <i>Optical Materials</i> , 2017 , 63, 88-94	1.3	2
126	Analytical methods based on the light-scattering of plasmonic nanoparticles at the single particle level with dark-field microscopy imaging. <i>Analyst, The</i> , 2017 , 142, 248-256		38
125	Controllable Plasmonic Nanostructures induced by Dual-wavelength Femtosecond Laser Irradiation. 2017 , 7, 17333		15
124	Gold nanoparticles enlighten the future of cancer theranostics. 2017 , 12, 6131-6152		153
123	Nanotechnology in Intracellular Trafficking, Imaging, and Delivery of Therapeutic Agents. 2017 , 169-188		5
122	Biosynthesized silver nanoparticles: are they effective antimicrobials?. 2017 , 112, 537-543		36

121	A novel nanozyme assay utilising the catalytic activity of silver nanoparticles and SERRS. <i>Analyst, The,</i> 2017 , 142, 2484-2490	5	29
120	Size-dependent modulation of fluorescence and light scattering: a new strategy for development of ratiometric sensing. 2018 , 5, 454-460		54
119	Determination of Nanoparticle Size Using a Flow Particle-Tracking Method. 2018, 90, 4182-4187		7
118	Localized surface plasmon resonance based biosensing. 2018 , 18, 279-296		42
117	UV shielding with visible transparency based properties of poly (styrene-co-acrylonitrile)/Ag doped ZnO nanocomposite. 2018 , 5, 025035		6
116	A simple and non-amplification platform for femtomolar DNA and microRNA detection by combining automatic gold nanoparticle enumeration with target-induced strand-displacement. 2018 , 105, 137-142		18
115	Conductive nitrides: Growth principles, optical and electronic properties, and their perspectives in photonics and plasmonics. 2018 , 123, 1-55		128
114	Formulation, evaluation and bioactive potential of Xylaria primorskensis terpenoid nanoparticles from its major compound xylaranic acid. 2018 , 8, 1740		21
113	Improved efficiencies of hybrid organic light-emitting diodes using efficient electron injection layer. 2018 , 31, e3806		2
112	Recent Advances in Nanomaterial Probes for Optical Biothiol Sensing: A Review. 2018 , 51, 443-468		24
111	Nanostructured materials with plasmonic nanobiosensors for early cancer detection: A past and future prospect. 2018 , 100, 361-373		39
110	Core-size regulated aggregation/disaggregation of citrate-coated gold nanoparticles (5-50nm) and dissolved organic matter: Extinction, emission, and scattering evidence. 2018 , 189, 415-426		12
109	Gold nanoparticle-based colorimetric biosensors. 2017 , 10, 18-33		291
108	Fluorescence-enhanced bio-detection platforms obtained through controlled "step-by-step" clustering of silver nanoparticles. 2018 , 10, 848-855		21
107	A CoOOH nanoflake-based light scattering probe for the simple and selective detection of uric acid in human serum. 2018 , 10, 4951-4957		8
106	Size-dependent modulation of CoOOH nanoflakes light scattering for rapid and selective detection of tetracycline in milk. 2018 , 2, 332-341		7
105	Preparation and characterisation of smart polymer-metal nanocomposite: optical and morphological study. 2018 , 7, 219		
104	6. Light scattering nanospectral probes. 2018 , 141-180		

13. Light scattering spectrometry of bioparticles. **2018**, 323-349

102	2. Electromagnetic wave and light scattering theory. 2018 , 28-58		
101	Self-Assembly of a Structurally Defined Chiro-Optical Peptide-Oligothiophene Hybrid Material. <i>ACS Omega</i> , 2018 , 3, 15066-15075	3.9	2
100	An Overview on Applications of Gold Nanoparticle for Early Diagnosis and Targeted Drug Delivery to Prostate Cancer. 2018 , 12, 110-131		9
99	The Effect of Laser Pulse Widths on LaserAg Nanoparticle Interaction: Femto- to Nanosecond Lasers. 2018 , 8, 112		25
98	A robust control system for targeting melanoma by a supermolecular DDMC/paclitaxel complex. 2018 , 10, 549-554		1
97	Recent Advances in Laser-Ablative Synthesis of Bare Au and Si Nanoparticles and Assessment of Their Prospects for Tissue Engineering Applications. 2018 , 19,		26
96	Lighting up Plasmonic Nanostar Colloids for Metal-Enhanced Fluorescence under Two-Photon Near-Infrared Excitation. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 19823-19830	3.8	6
95	Block-copolymer assisted fabrication of anisotropic plasmonic nanostructures. 2018 , 29, 355303		2
94	Biomedical applications of green-synthesized metal nanoparticles using polysaccharides. 2019 , 329-355		3
93	Brownian Motion and Large Electric Polarizabilities Facilitate Dielectrophoretic Capture of Sub-200 nm Gold Nanoparticles in Water. 2019 , 20, 3354-3365		5
92	Dark-Field Microscopic Detection of Bacteria using Bacteriophage-Immobilized SiO@AuNP Core-Shell Nanoparticles. 2019 , 91, 12352-12357		21
91	Gold nanoparticle decorated pH-sensitive polymeric nanocontainers as a potential theranostic agent. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 183, 110420	6	15
90	A ratiometric fluorescent strategy for alkaline phosphatase activity assay based on g-C3N4/CoOOH nanohybrid via target-triggered competitive redox reaction. <i>Sensors and Actuators B: Chemical</i> , 2019 , 283, 515-523	8.5	35
89	Polymerase Chain Reaction-Dynamic Light Scattering Sensor for DNA and Protein by Using Both Replication and Cleavage Properties of Taq Polymerase. 2019 , 91, 3429-3435		12
88	Plasmonic Nanosensor Array for Multiplexed DNA-based Pathogen Detection. 2019 , 4, 335-343		21
87	Fluctuation correlation spectroscopy and its applications in homogeneous analysis. 2019 , 411, 4523-454	0	6
86	Colorimetric detection of single base-pair mismatches based on the interactions of PNA and PNA/DNA complexes with unmodified gold nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 181, 333-340	6	16

85	A repertoire of biomedical applications of noble metal nanoparticles. 2019 , 55, 6964-6996		139
84	Distinguishing cancer cell lines at aßingle living cell level via detection of sialic acid by dual-channel plasmonic imaging and by using a SERS-microfluidic droplet platform. 2019 , 186, 367		8
83	Efficient Luminescence Enhancement of MgTiO:Mn Red Phosphor by Incorporating Plasmonic Ag@SiO Nanoparticles. <i>ACS Applied Materials & Amp; Interfaces</i> , 2019 , 11, 21004-21009	9.5	17
82	UV plasmonic properties of colloidal liquid-metal eutectic gallium-indium alloy nanoparticles. 2019 , 9, 5345		40
81	Therapeutic applications of green-synthesized silver nanoparticles. 2019 , 389-428		7
80	pH-Dependent photoluminescence "switch-on" nanosensors composed of silver nanoparticles and nitrogen and sulphur co-doped carbon dots for discriminative detection of biothiols. <i>Analyst, The</i> , 2019 , 144, 7057-7063	5	6
79	Application of Plasmon-Assisted Photochemistry and Photocatalytic Activities to Zeolitic Media. 2019 , 195-212		
78	Spectrometry. 2019 , 237-264		9
77	Oxidation etching induced dual-signal response of carbon dots/silver nanoparticles system for ratiometric optical sensing of HO and HO-related bioanalysis. 2019 , 1055, 81-89		22
76	Silver nanoparticles with reduced graphene oxide for surface-enhanced vibrational spectroscopy of DNA constituents. 2019 , 9, 1075-1083		1
75	New strategy to obtain high surface area anatase nanotube/AuNP photocatalyst. 2019 , 30, 065604		4
74	Critical Evaluation of Microfluidic Resistive Pulse Sensing for Quantification and Sizing of Nanometer- and Micrometer-Sized Particles in Biopharmaceutical Products. 2019 , 108, 563-573		20
73	Recent advances in porphyrin-based nanocomposites for effective targeted imaging and therapy. 2020 , 232, 119707		81
72	Characterisation and Manipulation of Polarisation Response in Plasmonic and Magneto-Plasmonic Nanostructures and Metamaterials. 2020 , 12, 1365		3
71	Poly (Vinyl Alcohol) Assisted Synthesis and Anti-Solvent Precipitation of Gold Nanoparticles. <i>Nanomaterials</i> , 2020 , 10,	5.4	6
70	Synthesis and Characterization of Graphene-Silver Nanoparticle Hybrid Materials. 2020 , 13,		2
69	Ag@S-nitrosothiol core-shell nanoparticles for chemo and photothermal synergistic tumor targeted therapy. 2020 , 8, 5483-5490		8
68	Ag/PVP/PAN nanocomposites with triangular nanoprisms of silver synthesized by UV-induced polymerization: Morphology manipulation and optical properties tuning. <i>Optical Materials</i> , 2020 , 101, 109746	3.3	5

(2020-2020)

67	A new dual-mode SERS and RRS aptasensor for detecting trace organic molecules based on gold nanocluster-doped covalent-organic framework catalyst. <i>Sensors and Actuators B: Chemical</i> , 2020 , 319, 128308	8.5	10
66	Molecular-level effects on cell membrane models to explain the phototoxicity of gold shell-isolated nanoparticles to cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 194, 111189	6	11
65	Hydrochromic Smart Windows to Remove Harmful Substances by Mimicking Medieval European Stained Glasses. <i>ACS Applied Materials & Stained Glasses</i> . <i>ACS Applied Materials & Stained Glasses</i> .	9.5	5
64	Recent Development of Photothermal Agents (PTAs) Based on Small Organic Molecular Dyes. <i>ChemBioChem</i> , 2020 , 21, 2098-2110	3.8	25
63	Nanoparticles and prostate cancer. 2021 , 275-318		3
62	Emerging Plasmonic Assemblies Triggered by DNA for Biomedical Applications. <i>Advanced Functional Materials</i> , 2021 , 31, 2005709	15.6	7
61	Gold nanomaterials for optical biosensing and bioimaging. <i>Nanoscale Advances</i> , 2021 , 3, 2679-2698	5.1	19
60	Time Optimization of Seed-Mediated Gold Nanotriangle Synthesis Based on Kinetic Studies. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
59	Silver bionanoparticles toxicity in trophoblast is mediated by nitric oxide and glutathione pathways. <i>Toxicology</i> , 2021 , 454, 152741	4.4	1
58	Impressively printing patterns of gold and silver nanoparticles. <i>Nano Select</i> ,	3.1	
58 57	Impressively printing patterns of gold and silver nanoparticles. <i>Nano Select</i> , Recent Progress on Metal-Enhanced Photocatalysis: A Review on the Mechanism. <i>Research</i> , 2021 , 2021, 9794329	3.1 7.8	42
	Recent Progress on Metal-Enhanced Photocatalysis: A Review on the Mechanism. <i>Research</i> , 2021 ,		42 O
57	Recent Progress on Metal-Enhanced Photocatalysis: A Review on the Mechanism. <i>Research</i> , 2021 , 2021, 9794329 Excited-State Dynamics of Photoluminescent Gold Nanoclusters and Their Assemblies with	7.8	
57 56	Recent Progress on Metal-Enhanced Photocatalysis: A Review on the Mechanism. <i>Research</i> , 2021 , 2021, 9794329 Excited-State Dynamics of Photoluminescent Gold Nanoclusters and Their Assemblies with Quantum Dot Donors. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 12073-12085 Effect of glycine on aggregation of citrate-functionalised gold nanoparticles and SERS	7.8	O
57 56 55	Recent Progress on Metal-Enhanced Photocatalysis: A Review on the Mechanism. <i>Research</i> , 2021 , 2021, 9794329 Excited-State Dynamics of Photoluminescent Gold Nanoclusters and Their Assemblies with Quantum Dot Donors. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 12073-12085 Effect of glycine on aggregation of citrate-functionalised gold nanoparticles and SERS measurements. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 621, 126523	7.8 3.8 5.1	3
57 56 55 54	Recent Progress on Metal-Enhanced Photocatalysis: A Review on the Mechanism. <i>Research</i> , 2021 , 2021, 9794329 Excited-State Dynamics of Photoluminescent Gold Nanoclusters and Their Assemblies with Quantum Dot Donors. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 12073-12085 Effect of glycine on aggregation of citrate-functionalised gold nanoparticles and SERS measurements. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 621, 126523 Gold nanoparticles-based assays for biodetection in urine. <i>Talanta</i> , 2021 , 230, 122345 Wide-field determination of aqueous mercury(II) based on tail-extensible DNA fluorescent probe	7.8 3.8 5.1 6.2	o 3 6
57 56 55 54 53	Recent Progress on Metal-Enhanced Photocatalysis: A Review on the Mechanism. <i>Research</i> , 2021 , 2021, 9794329 Excited-State Dynamics of Photoluminescent Gold Nanoclusters and Their Assemblies with Quantum Dot Donors. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 12073-12085 Effect of glycine on aggregation of citrate-functionalised gold nanoparticles and SERS measurements. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 621, 126523 Gold nanoparticles-based assays for biodetection in urine. <i>Talanta</i> , 2021 , 230, 122345 Wide-field determination of aqueous mercury(II) based on tail-extensible DNA fluorescent probe with tunable dynamic range. <i>Journal of Hazardous Materials</i> , 2021 , 417, 125975 Signal Generation with Gold Nanoparticles: Photophysical Properties for Sensor and Imaging	7.8 3.8 5.1 6.2	363

49	Electrodeposited Gold Nanodaggers on Conductive Metal Oxide Films Provide Substrates for Dual-Modality Surface Sensitive Vibrational Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 13356-13364	3.8	3
48	The inorganic chemistry of surface enhanced Raman scattering (SERS). <i>Spectroscopic Properties of Inorganic and Organometallic Compounds</i> , 1-21		10
47	Enhancement of FITC Fluorescence by Silver Colloids and Silver Island Films. <i>Acta Physica Polonica A</i> , 2008 , 113, 1599-1608	0.6	12
46	Monitoring the size and lateral dynamics of ErbB1 enriched membrane domains through live cell plasmon coupling microscopy. <i>PLoS ONE</i> , 2012 , 7, e34175	3.7	9
45	TAT and HA2 facilitate cellular uptake of gold nanoparticles but do not lead to cytosolic localisation. <i>PLoS ONE</i> , 2015 , 10, e0121683	3.7	23
44	Effects of Morphology of Nanodots on Localized Surface Plasmon Resonance Property. <i>International Journal of Automation Technology</i> , 2014 , 8, 74-82	0.8	7
43	Gold nanoparticles as high-resolution imaging contrast agents for early cancer diagnoses: Computational study. <i>International Journal of Chemical and Applied Biological Sciences</i> , 2014 , 1, 12		3
42	Quantitative Comparison of Protein Surface Coverage on Glass Slides and Silver Island Films in Metal-Enhanced Fluorescence-based Biosensing Applications. <i>Nano Biomedicine and Engineering</i> , 2010 , 2, 165-170	2.9	6
41	A Micromachined Electrical Field-Flow Fractionation (I)-Eifff) System with Integrated Electrical Conductivity Detection and Complimentary Resonance Light Scattering Detection Systems. 2001 , 543	-544	
40	Solving Clinical Problems in Nutrition Research with Microarrays. <i>Nutrition and Disease Prevention</i> , 2004 , 205-235		
39	Protein microarray applications. 2004 , 189-238		
38	Chapter 8 Biosensing with plasmonic nanoparticles. <i>Advances in Nano-optics and Nano-photonics</i> , 2006 , 219-270		
37	Molecular OCT Contrast Enhancement and Imaging. 2008, 713-756		2
36	Nanocrystals. 2008 , 2665-2675		
35	Bar Coding Platforms for Nucleic Acid and Protein Detection. 2009, 315-338		
34	DNA Detection with Metallic Nanoparticles. <i>Nanostructure Science and Technology</i> , 2009 , 82-101	0.9	
33	?????????????????????. Journal of Japan Institute of Electronics Packaging, 2010 , 13, 168-176	0.1	1
32	Novel Setups. <i>Springer Theses</i> , 2012 , 55-69	0.1	

31	Metal-Based Nanostructures. Integrated Analytical Systems, 2014, 73-91	0.4	
30	Ultra-Sensitive Detection of Biomarker using Localized Surface Plasmon Resonance (LSPR) enhanced by ELISA. 2015 ,		
29	Nanocomposite Membranes in Water Treatment. 2015 , 134-181		
28	Microgels: Smart Polymer and Hybrid. 4701-4715		
27	Microgels: Smart Polymer and Hybrid. 2017 , 917-931		
26	Theranostic Applications of Lysozyme-Based Nanoparticles. 2020 , 1-23		
25	Ultrasensitive Electrochemical Impedance Chiral Discrimination and Sensing of Tryptophan Isomers Based on Core-Shell-Structured Au-Ag Nanoparticles. <i>Langmuir</i> , 2021 ,	4	1
24	Dependence of the Nonlinear Photoacoustic Response of Gold Nanoparticles on the Heat-Transfer Process <i>Journal of Physical Chemistry C</i> , 2022 , 126, 3489-3501	3.8	2
23	One-step gold nanoparticle size-shift assay using synthetic binding proteins and dynamic light scattering. <i>Sensors and Actuators B: Chemical</i> , 2022 , 361, 131709	8.5	1
22	The restructure of Au@Ag nanorods for cell imaging with dark-field microscope <i>Talanta</i> , 2022 , 244, 123403	6.2	1
21	Dark-Field Microscopic Study of Cellular Uptake of Carbon Nanodots: Nuclear Penetrability <i>Molecules</i> , 2022 , 27,	4.8	О
20	The unique physical shading pattern of Rayleigh scattering for the generally improved detection of scattering particles <i>Analyst, The</i> , 2022 ,	5	
19	Influence of particle size on the SARS-CoV-2 spike protein detection using IgG-capped gold nanoparticles and dynamic light scattering (DLS) <i>Materials Today Chemistry</i> , 2022 , 100924	6.2	1
18	Yolk-Shell AuAgPt Alloy Nanostructures with Tunable Morphologies: Plasmon-Enhanced Photothermal and Catalytic Properties. <i>Advanced Energy and Sustainability Research</i> , 2100222	1.6	Ο
17	Increasing the Efficacy of Gold Nanorod Uptake in Stem Cell-Derived Therapeutic Cells: Implications for Stem Cell Labeling and Optical Coherence Tomography Imaging. <i>ACS Applied Nano Materials</i> ,	5.6	O
16	Anti-colon cancer activities of green-synthesized Moringa oleiferaAgNPs against human colon cancer cells. <i>Green Processing and Synthesis</i> , 2022 , 11, 545-554	3.9	1
15	Backscattering-Based Discrimination of Microparticles Using an Optofluidic Multiangle Scattering Chip. <i>ACS Omega</i> ,	3.9	
14	A novel fluorescence-scattering ratiometric sensor based on Fe-N-C nanozyme with robust oxidase-like activity. <i>Sensors and Actuators B: Chemical</i> , 2022 , 368, 132181	8.5	1

13	Molecular Quality of Exfoliated Cervical Cells: Implications for Molecular Epidemiology and Biomarker Discovery. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2004 , 13, 492-496	4	9
12	Graphene-Encapsulated Silver Nanoparticles for Plasmonic Vapor Sensing. 2022 , 12, 2473		
11	In vitro and in vivo toxicity of metal nanoparticles and their drug delivery applications. 2022, 367-421		0
10	A fluorescent and scattering dual-mode probe based on a carbon dot@ceriumguanosine monophosphate coordination polymer network for tetracycline detection.		O
9	Detection of Organophosphorus Pesticides Using Silver-Coated Gold Nanoparticles.		О
8	Influence of the temperature-dependent dielectric constant on the photoacoustic effect of gold nanospheres. 2022 , 24, 29667-29682		O
7	In-situ and ultrasensitive detection of mercury (II) ions (Hg2+) using the localized surface plasmon resonance (LSPR) nanosensor and the microfluidic chip. 2023 , 349, 114074		0
6	Dual Imaging Single Vesicle Surface Protein Profiling and Early Cancer Detection. 2023 , 15, 2679-2692		1
5	Anticancer and Antimicrobial Activity of Silver Nanoparticles Synthesized from Pods of Acacia nilotica. 2023 , 11, 301		1
4	Mercaptopropionic acid-assisted synthesis of green and blue emissive copper nanoclusters for multimodal sensing, logic gate, and white light applications. 2023 , 27, 101341		1
3	One-step surfactant-free photoreduction synthesis of single-crystal silver triangular nanoprisms by surface modified chemically patterned ferroelectric crystals for SERS application. 2023 , 623, 157114		0
2	Nanomaterials for Molecular Detection and Analysis of Extracellular Vesicles. 2023 , 13, 524		1
1	Three-Dimensional Plasmonic Photocatalyst Consisting of Faceted Gold Nanoparticles and Radial Titanium(IV) Oxide Heteromesocrystals. 2023 , 127, 3478-3485		0