# CITATION REPORT List of articles citing

Au nanoparticles target cancer

DOI: 10.1016/s1748-0132(07)70016-6 Nano Today, 2007, 2, 18-29.

Source: https://exaly.com/paper-pdf/42759691/citation-report.pdf

Version: 2024-04-18

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
928	Multiphoton Fragmentation of PAMAM G5-Capped Gold Nanoparticles Induced by Picosecond Laser Irradiation at 532 nm. <b>2007</b> , 111, 14984-14991		29
927	Plasmon-assisted local temperature control to pattern individual semiconductor nanowires and carbon nanotubes. <b>2007</b> , 7, 3523-7		221
926	Organometallic precursors as catalyst to grow three-dimensional micro/nanostructures: Spheres, clusters & wires. <b>2007</b> , 201, 9104-9108		5
925	Modeling photothermal and acoustical induced microbubble generation and growth. <b>2007</b> , 47, 90-101		25
924	Photodegradation of PAMAM G5-stabilized aqueous suspensions of gold nanoparticles. <i>Applied Surface Science</i> , <b>2007</b> , 254, 1140-1144	6.7	10
923	Surface Plasmon Resonance Sensitivity of Metal Nanostructures: Physical Basis and Universal Scaling in Metal Nanoshells. <b>2007</b> , 111, 17451-17454		157
922	Gold Nanorods Coated with Multilayer Polyelectrolyte as Contrast Agents for Multimodal Imaging. <b>2007</b> , 111, 12552-12557		194
921	Recent advances in polymer protected gold nanoparticles: synthesis, properties and applications. <b>2007</b> , 4580-98		351
920	Review of Some Interesting Surface Plasmon Resonance-enhanced Properties of Noble Metal Nanoparticles and Their Applications to Biosystems. <b>2007</b> , 2, 107-118		973
919	Preparation and characterization of complexes of liposomes with gold nanoparticles. <b>2008</b> , 66, 246-52		52
918	Gold nanoparticle assemblies: Thermal behaviour under optical excitation. 2008, 41, 105-115		33
917	Semiconductor quantum dots and metal nanoparticles: syntheses, optical properties, and biological applications. <b>2008</b> , 391, 2469-95		428
916	Photothermal and accompanied phenomena of selective nanophotothermolysis with gold nanoparticles and laser pulses. <b>2008</b> , 5, 775-792		152
915	Efficient microwave oxidation of alcohols using low-loaded supported metallic iron nanoparticles. <b>2008</b> , 1, 746-50		70
914	Preferentially linear connection of gold nanoparticles in derivatization with phosphorothioate oligonucleotides. <b>2008</b> , 326, 387-91		8
913	In situ formation of gold nanoparticles with a thermoresponsive block copolymer corona. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2008</b> , 317, 764-767	5.1	11
912	Determination of size and concentration of gold nanoparticles from extinction spectra. <b>2008</b> , 80, 6620-	5	206

# (2008-2008)

911	Biological applications of gold nanoparticles. <b>2008</b> , 37, 1896-908	1430
910	Noble metal nanoparticle pairs: effect of medium for enhanced nanosensing. <b>2008</b> , 8, 4347-52	233
909	Protein- and peptide-directed syntheses of inorganic materials. <b>2008</b> , 108, 4935-78	841
908	Ultra-subwavelength focusing of light by a monolayer of metallic nanoshells with an adsorbed defect. <b>2008</b> , 2, 287-289	11
907	Nanomaterials and nanotechnologies in chemical and biochemical sensors: Capabilities and applications. <b>2008</b> , 78, 2521-2531	34
906	Collective plasmon resonances in monolayers of metal nanoparticles and nanoshells. <b>2008</b> , 104, 282-294	12
905	Effects of elastic anisotropy on strain distributions in decahedral gold nanoparticles. 2008, 7, 120-4	263
904	Targeted gold nanoparticles enable molecular CT imaging of cancer. <b>2008</b> , 8, 4593-6	640
903	Photothermal bubbles as optical scattering probes for imaging living cells. 2008, 3, 797-812	41
902	Photothermal reshaping of gold nanorods depends on the passivating layers of the nanorod surfaces. <b>2008</b> , 24, 12026-31	86
901	Nanoplasmonic biosensing with focus on short-range ordered nanoholes in thin metal films. <b>2008</b> , 3, FD30-40	59
900	Gold nanoshell photomodification under alkingle-nanosecond laser pulse accompanied by color-shifting and bubble formation phenomena. <b>2008</b> , 19, 015701	58
899	Environmentally friendly synthesis of highly monodisperse biocompatible gold nanoparticles with urchin-like shape. <b>2008</b> , 24, 1058-63	116
898	Surface Plasmon Coupling and Its Universal Size Scaling in Metal Nanostructures of Complex Geometry: Elongated Particle Pairs and Nanosphere Trimers. <b>2008</b> , 112, 4954-4960	178
897	Optical Limiting in Organic Molecular Nano/Microcrystals: Nonlinear Optical Effects Dependent on Size Distribution. <b>2008</b> , 112, 16269-16274	29
896	Goldan introductory perspective. <b>2008</b> , 37, 1759-65	351
895	Recent advances in nanomaterial plasmonics: fundamental studies and applications. 2008, 62, 346A-362A	22
894	Noble metals on the nanoscale: optical and photothermal properties and some applications in imaging, sensing, biology, and medicine. <b>2008</b> , 41, 1578-86	3252

893	Reversible, reagentless solubility changes in phosphatidylcholine-stabilized gold nanoparticles. <b>2008</b> , 19, 115607	16
892	Structural control of the monolayer stability of water-soluble gold nanoparticles. 2008, 18, 70-73	44
891	Silver and gold. <b>2008</b> , 104, 242	1
890	Inorganic pharmaceuticals. 2008, 104, 477	3
889	Superparamagnetic maghemite nanorods: analysis by coupling field-flow fractionation and small-angle X-ray scattering. <b>2008</b> , 80, 5905-11	23
888	Simultaneous nanoplasmonic and quartz crystal microbalance sensing: analysis of biomolecular conformational changes and quantification of the bound molecular mass. <b>2008</b> , 80, 7988-95	70
887	Water polarization under thermal gradients. <b>2008</b> , 101, 020602	78
886	Hyaluronan-Assisted Photoreduction Synthesis of Silver Nanostructures: From Nanoparticle to Nanoplate. <b>2008</b> , 112, 10730-10734	43
885	Silica-sandwiched Au nanoparticle arrays by a soft PE-CVD/RF sputtering approach. <b>2008</b> , 19, 255602	11
884	High-resolution investigation of metal nanoparticle growth on an insulating surface. 2009, 80,	10
883	Air plasma coupled with antibody-conjugated nanoparticles: a new weapon against cancer. <b>2009</b> , 42, 032005	144
882	Modeling of Nanoparticle-Mediated Electric Field Enhancement Inside Biological Cells Exposed to AC Electric Fields. <b>2009</b> , 48, 087001	11
881	Application of semiconductor and metal nanostructures in biology and medicine. 2009, 701-7	21
880	Formkontrolle bei der Synthese von Metallnanokristallen: einfache Chemie, komplexe Physik?. <b>2009</b> , 121, 62-108	389
879	Gold Nanorod/Fe3O4 Nanoparticle Nano-Pearl-Necklaces[for Simultaneous Targeting, Dual-Mode Imaging, and Photothermal Ablation of Cancer Cells. <b>2009</b> , 121, 2797-2801	52
878	Cellular uptake and toxicity of gold nanoparticles in prostate cancer cells: a comparative study of rods and spheres. <b>2010</b> , 30, 212-7	221
877	Circulation and distribution of gold nanoparticles and induced alterations of tissue morphology at intravenous particle delivery. <b>2009</b> , 2, 292-302	121
876	Application of gold nanoparticles as contrast agents in confocal laser scanning microscopy. <b>2009</b> , 6, 71-75	39

#### (2009-2009)

875	Shape-controlled synthesis of metal nanocrystals: simple chemistry meets complex physics?. <b>2009</b> , 48, 60-103	4431
874	Gold nanorod/Fe3O4 nanoparticle "nano-pearl-necklaces" for simultaneous targeting, dual-mode imaging, and photothermal ablation of cancer cells. <b>2009</b> , 48, 2759-63	198
873	Fabrication of Anti-human Cardiac Troponin I Immunogold Nanorods for Sensing Acute Myocardial Damage. <b>2009</b> , 4, 1428-33	47
872	Surface-enhanced Raman scattering: realization of localized surface plasmon resonance using unique substrates and methods. <b>2009</b> , 394, 1747-60	83
871	Nanoshell-mediated laser surgery simulation for prostate cancer treatment. <b>2009</b> , 25, 3-13	39
870	Plasmonic fluorescent quantum dots. <b>2009</b> , 4, 571-6	348
869	Colloidal dispersion of gold nanorods: Historical background, optical properties, seed-mediated synthesis, shape separation and self-assembly. <b>2009</b> , 65, 1-38	260
868	Applications of nanomaterials inside cells. <i>Nano Today</i> , <b>2009</b> , 4, 37-51	9 200
867	Gold nanoparticles with a monolayer of doxorubicin-conjugated amphiphilic block copolymer for tumor-targeted drug delivery. <b>2009</b> , 30, 6065-75	273
866	Optical and photoluminescence studies of gold nanoparticles embedded ZnO thin films. <b>2009</b> , 518, 1399-1	401 11
865	Laser annealing of gold nanoparticles thin film using photothermal effect. <b>2009</b> , 86, 865-867	22
864	Preparation and stabilization of monodisperse colloidal gold by reduction with aminodextran. <b>2009</b> , 335, 62-9	46
863	A resonance light-scattering (RLS) serving for various quantitative events since 1995: a comment proposed towards how to apprehend well the meaning of RLS and its corresponding guiding role. <b>2009</b> , 74, 285-91	13
862	Gold nanoparticles in nanomedicine: preparations, imaging, diagnostics, therapies and toxicity. <b>2009</b> , 38, 1759-82	2188
861	Fabrication, stabilization, and optical properties of gold nanorods with silver shells. <b>2009</b> , 4, 453-466	6
860	Biosensing, Cytotoxicity, and Cellular Uptake Studies of Surface-Modified Gold Nanorods. <b>2009</b> , 113, 7574-7578	118
859	Tuning optical properties of magic number cluster (SiO2)4O2H4 by substitutional bonding with gold atoms. <b>2009</b> , 113, 4889-94	4
858	In situ analysis of a bimodal size distribution of superparamagnetic nanoparticles. <b>2009</b> , 81, 296-301	43

857	Invited review: Mesoscopic modelling: materials at the appropriate scale. <b>2009</b> , 25, 460-465	2
856	Surface Plasmon Excitation and Surface-Enhanced Raman Scattering Using Two-Dimensionally Close-Packed Gold Nanoparticles <b>2009</b> , 113, 11689-11694	23
855	pH- and photo-switched release of guest molecules from mesoporous silica supports. <b>2009</b> , 131, 6833-43	350
854	In vitro diagnostic prospects of nanoparticles. <b>2009</b> , 403, 1-8	101
853	Evaluation of the ecotoxicity of model nanoparticles. <b>2009</b> , 75, 850-7	360
852	Doxorubicin conjugated gold nanoparticles as water-soluble and pH-responsive anticancer drug nanocarriers. <b>2009</b> , 19, 7879	166
851	Optical excitation and detection of vapor bubbles around plasmonic nanoparticles. 2009, 17, 2538-56	189
850	Temperature mapping near plasmonic nanostructures using fluorescence polarization anisotropy. <b>2009</b> , 17, 3291-8	130
849	Study of plasmon resonance in a gold nanorod with an LC circuit model. 2009, 17, 6407-13	52
848	Effects of vertex truncation of polyhedral nanostructures on localized surface plasmon resonance. <b>2009</b> , 17, 14967-76	19
847	Palladium metal nanoparticles on organically modified thin hybrid films. 2009, 10, 395-400	17
846	Metallic Nanostructures as Localized Plasmon Resonance Enhanced Scattering Probes for Multiplex Dark Field Targeted Imaging of Cancer Cells. <b>2009</b> , 113, 2676-2684	136
845	Computer modeling of the optical properties and heating of spherical gold and silica-gold nanoparticles for laser combined imaging and photothermal treatment. <b>2009</b> , 20, 225105	27
844	Laser-induced tissue hyperthermia mediated by gold nanoparticles: toward cancer phototherapy. <b>2009</b> , 14, 021016	145
843	Gold nanoparticles for molecular diagnostics. <b>2009</b> , 9, 511-24	136
842	Synthesis and optical properties of colloidal gold nanoparticles. <b>2009</b> , 187, 012026	52
841	Chapter 7 - Preparation of complexes of liposomes with gold nanoparticles. <b>2009</b> , 464, 131-45	5
840	Capturing electrochemically evolved nanobubbles by electroless deposition. A facile route to the synthesis of hollow nanoparticles. <b>2009</b> , 9, 4297-301	63

# (2010-2009)

839	Characteristics of surface-enhanced Raman scattering and surface-enhanced fluorescence using a single and a double layer gold nanostructure. <b>2009</b> , 11, 7484-90	19
838	Cell up-take control of gold nanoparticles functionalized with a thermoresponsive polymer. <b>2009</b> , 19, 1608	109
837	Enhanced detection of thiophenol adsorbed on gold nanoparticles by SFG and DFG nonlinear optical spectroscopy. <b>2009</b> , 11, 7729-37	48
836	Quantification and reactivity of functional groups in the ligand shell of PEGylated gold nanoparticles via a fluorescence-based assay. <b>2009</b> , 25, 7910-7	50
835	Heat generation in plasmonic nanostructures: Influence of morphology. <b>2009</b> , 94, 153109	371
834	Discrete dipole approximation simulations of gold nanorod optical properties: Choice of input parameters and comparison with experiment. <b>2009</b> , 105, 102032	69
833	Heat transfer in soft nanoscale interfaces: the influence of interface curvature. <b>2009</b> , 5, 2407	48
832	Magic Beacons and Magic Bullets: The Medical Applications of Functional Nanoparticles. <b>2010</b> , 205-262	1
831	Nanomaterials for Electroanalysis. <b>2010</b> ,	1
830	Spherical and Anisotropic Core-Shell and Alloy Nanomaterials: Characterization Using X-Ray Absorption Spectroscopy. <b>2010</b> ,	
829	Calculation of thermal process during the absorption of microwave impulse energy by a spherical nanocluster in liquid medium. <b>2010</b> , 7, 273-280	1
828	Encapsulation and stabilization of gold nanoparticles with "click" polyethyleneglycol dendrimers. <b>2010</b> , 132, 2729-42	148
827	Nanoparticles for detection and diagnosis. <b>2010</b> , 62, 316-28	256
826	Smart Nano-systems for Tumour Cellular Diagnoses and Therapies. <b>2010</b> , 31-54	O
825	Design of stimuli-responsive dendrimers. <b>2010</b> , 7, 307-19	84
824	Supramolecular Bioconjugates for Protein and Small Drug Delivery. <b>2010</b> , 50, 160-174	10
823	Surface chemistry and aspect ratio mediated cellular uptake of Au nanorods. 2010, 31, 7606-19	547
822	Preparation of near-infrared light absorbing gold nanoparticles using polyethylene glycol-attached dendrimers. <b>2010</b> , 81, 648-51	17

821	Colloidal nanocarriers: a review on formulation technology, types and applications toward targeted drug delivery. <b>2010</b> , 6, 9-24	491
820	Nanotechnology in head and neck cancer: the race is on. <b>2010</b> , 12, 121-8	60
819	Biosynthesis of gold and silver nanoparticles by natural precursor clove and their functionalization with amine group. <b>2010</b> , 12, 1667-1675	174
818	Elaboration and characterization of bimetallic nanoparticles obtained by laser ablation of Ni75Pd25 and Au75Ag25 targets in water. <b>2010</b> , 12, 3123-3136	26
817	Properties and applications of colloidal nonspherical noble metal nanoparticles. <b>2010</b> , 22, 1805-25	809
816	Chitosan films doped with gold nanorods as laser-activatable hybrid bioadhesives. <b>2010</b> , 22, 4313-6	79
815	Laser Welding of Biological Tissue: Mechanisms, Applications and Perspectives. <b>2010</b> , 203-231	1
814	Near field properties of nanoparticle arrays fabricated by laser annealing of thin Au and Ag films.  Applied Surface Science, <b>2010</b> , 257, 1075-1079	18
813	Improved electrochromical properties of solgel WO3 thin films by doping gold nanocrystals. <b>2010</b> , 518, 2250-2257	70
812	Stabilization of Au nanoparticles prepared by laser ablation in chloroform with free-base porphyrin molecules. <i>Applied Surface Science</i> , <b>2010</b> , 256, 2979-2987	10
811	One-step functionalized gold nanorods as intracellular probe with improved SERS performance and reduced cytotoxicity. <b>2010</b> , 26, 241-7	38
810	Conjugating folic acid to gold nanoparticles through glutathione for targeting and detecting cancer cells. <b>2010</b> , 18, 5528-34	143
809	Bioinspired nanocorals with decoupled cellular targeting and sensing functionality. <i>Small</i> , <b>2010</b> , 6, 503-7 <sub>11</sub>	111
808	Detection of lung, breast, colorectal, and prostate cancers from exhaled breath using a single array of nanosensors. <b>2010</b> , 103, 542-51	515
807	Tuning payload delivery in tumour cylindroids using gold nanoparticles. <b>2010</b> , 5, 465-72	400
806	Uniform and controllable preparation of Au-Ag core-shell nanorods using anisotropic silver shell formation on gold nanorods. <b>2010</b> , 2, 1489-93	155
805	Building Nonmagnetic Metal@Oxide and Bimetallic Nanostructures: Potential Applications in the Life Sciences. <b>2010</b> ,	
804	Approaches to the Synthesis and Characterization of Spherical and Anisotropic Noble Metal Nanomaterials. <b>2010</b> ,	

#### (2010-2010)

803 Biofunctionalization of Spherical and Anisotropic Bimetallic Nanomaterials. 2010,

Interfacing Cell Surface Receptors to Hybrid Nanopatterned Surfaces: A Molecular Approach for Dissecting the Adhesion Machinery. 2010, 79-102  Field-induced columnar transition of biocompatible magnetic colloids: An aging study by magnetotransmissivity. 2010, 82, 021407  Self-assembly synthesis, tumor cell targeting, and photothermal capabilities of antibody-coated indocyanine green nanocapsules. 2010, 132, 1929-38  Nanostructured Materials Use in Sensors: Their Benefits and Drawbacks. 2010, 307-354  Electromagnetic fields: mechanism, cell signaling, other bioprocesses, toxicity, radicals, antioxidants and beneficial effects. 2010, 30, 214-26  PEG-attached PAMAM dendrimers encapsulating gold nanoparticles: growing gold nanoparticles in the dendrimers for improvement of their photothermal properties. 2010, 21, 1559-64  Porous Hollow Gold Nanoparticles for Cancer SERS Imaging. 2010, 10, 137-148  Uncovering the design rules for peptide synthesis of metal nanoparticles. 2010, 132, 5677-86	1 27 253 2 53 49 17 246
magnetotransmissivity. <b>2010</b> , 82, 021407  Self-assembly synthesis, tumor cell targeting, and photothermal capabilities of antibody-coated indocyanine green nanocapsules. <b>2010</b> , 132, 1929-38  Nanostructured Materials Use in Sensors: Their Benefits and Drawbacks. <b>2010</b> , 307-354  Electromagnetic fields: mechanism, cell signaling, other bioprocesses, toxicity, radicals, antioxidants and beneficial effects. <b>2010</b> , 30, 214-26  PEG-attached PAMAM dendrimers encapsulating gold nanoparticles: growing gold nanoparticles in the dendrimers for improvement of their photothermal properties. <b>2010</b> , 21, 1559-64  Porous Hollow Gold Nanoparticles for Cancer SERS Imaging. <b>2010</b> , 10, 137-148	<ul><li>253</li><li>2</li><li>53</li><li>49</li><li>17</li></ul>
indocyanine green nanocapsules. <b>2010</b> , 132, 1929-38  Nanostructured Materials Use in Sensors: Their Benefits and Drawbacks. <b>2010</b> , 307-354  Electromagnetic fields: mechanism, cell signaling, other bioprocesses, toxicity, radicals, antioxidants and beneficial effects. <b>2010</b> , 30, 214-26  PEG-attached PAMAM dendrimers encapsulating gold nanoparticles: growing gold nanoparticles in the dendrimers for improvement of their photothermal properties. <b>2010</b> , 21, 1559-64  Porous Hollow Gold Nanoparticles for Cancer SERS Imaging. <b>2010</b> , 10, 137-148	<ul><li>53</li><li>49</li><li>17</li></ul>
Electromagnetic fields: mechanism, cell signaling, other bioprocesses, toxicity, radicals, antioxidants and beneficial effects. <b>2010</b> , 30, 214-26  PEG-attached PAMAM dendrimers encapsulating gold nanoparticles: growing gold nanoparticles in the dendrimers for improvement of their photothermal properties. <b>2010</b> , 21, 1559-64  Porous Hollow Gold Nanoparticles for Cancer SERS Imaging. <b>2010</b> , 10, 137-148	53 49 17
antioxidants and beneficial effects. <b>2010</b> , 30, 214-26  PEG-attached PAMAM dendrimers encapsulating gold nanoparticles: growing gold nanoparticles in the dendrimers for improvement of their photothermal properties. <b>2010</b> , 21, 1559-64  Porous Hollow Gold Nanoparticles for Cancer SERS Imaging. <b>2010</b> , 10, 137-148	49 17
the dendrimers for improvement of their photothermal properties. <b>2010</b> , 21, 1559-64  Porous Hollow Gold Nanoparticles for Cancer SERS Imaging. <b>2010</b> , 10, 137-148	17
795 Uncovering the design rules for peptide synthesis of metal nanoparticles. <b>2010</b> , 132, 5677-86	246
794 Mapping heat origin in plasmonic structures. <b>2010</b> , 104, 136805	218
Experimental and Theoretical Analysis of Photofragmentation of Au Nanoparticles by Picosecond Laser Radiation. <b>2010</b> , 114, 3354-3363	73
792 Platinum nanoparticles: a promising material for future cancer therapy?. <b>2010</b> , 21, 85103	283
Nanoscale control of optical heating in complex plasmonic systems. <b>2010</b> , 4, 709-16	484
Gold nanoparticles functionalized with block copolymers displaying either LCST or UCST thermosensitivity in aqueous solution. <b>2010</b> , 26, 12933-9	52
Diacetylene-containing ligand as a new capping agent for the preparation of water-soluble colloidal nanoparticles of remarkable stability. <b>2010</b> , 26, 7072-7	25
Observation of Discrete Au Nanoparticle Collisions by Electrocatalytic Amplification Using Pt Ultramicroelectrode Surface Modification. <b>2010</b> , 1, 2671-2674	101
Step-addition Method for Enhancing the Yield of Gold Nanoparticles in Block Copolymer Solution. <b>2010</b> , 49, 810-820	6
Surface plasmon enhanced fluorescence of cationic conjugated polymer on periodic nanoarrays.	13

785	Tunable and reversible aggregation of poly(ethylene oxide-st-propylene oxide) grafted gold nanoparticles. <b>2010</b> , 26, 12321-9	31
7 <sup>8</sup> 4	Using polymers to photoswitch the aggregation state of gold nanoparticles in aqueous solution. <b>2010</b> , 26, 12366-70	52
783	Real time observation of chemical reactions of individual metal nanoparticles with high-throughput single molecule spectral microscopy. <b>2010</b> , 82, 8744-9	39
782	The suitability of different cellular in vitro immunotoxicity and genotoxicity methods for the analysis of nanoparticle-induced events. <b>2010</b> , 4, 52-72	88
781	Multifunctional nanoparticles as coupled contrast agents. <b>2010</b> , 1, 41	413
780	A vapor sensor array using multiple localized surface plasmon resonance bands in a single UV-vis spectrum. <b>2010</b> , 81, 1670-5	46
779	Attomolar detection of protein biomarkers using biofunctionalized gold nanorods with surface plasmon resonance. <b>2010</b> , 135, 2528-32	71
778	Core/shell structured hollow mesoporous nanocapsules: a potential platform for simultaneous cell imaging and anticancer drug delivery. <b>2010</b> , 4, 6001-13	560
777	Synthesis and characterization of gold-deposited red, green and blue fluorescent silica nanoparticles for biosensor application. <b>2010</b> , 46, 6374-6	18
776	Inflicting controlled nonthermal damage to subcellular structures by laser-activated gold nanoparticles. <b>2010</b> , 10, 4549-54	91
775	Zwitterionic phosphorylcholine as a better ligand for gold nanorods cell uptake and selective photothermal ablation of cancer cells. <b>2010</b> , 46, 1479-81	101
774	One-Pot Radiolytic Synthesis of Gold Nanorods and Their Optical Properties. <b>2010</b> , 114, 14794-14803	41
773	Electrochemical size discrimination of gold nanoparticles attached to glass/indium-tin-oxide electrodes by oxidation in bromide-containing electrolyte. <b>2010</b> , 82, 5844-50	87
772	Quantitative visualization of colloidal and intracellular gold nanoparticles by confocal microscopy. <b>2010</b> , 15, 036015	66
771	Core@shell nanostructures for photothermal conversion: Tunable noble metal nanoshells on cross-linked polymer submicrospheres. <b>2010</b> , 20, 5493	30
770	X-ray computed tomography contrast agents prepared by seeded growth of gold nanoparticles in PEGylated dendrimer. <b>2010</b> , 21, 245104	106
769	Photoacoustic imaging with biodegradable plasmonic nanoclusters. 2010,	
768	Biological evaluation of RGDfK-gold nanorod conjugates for prostate cancer treatment. <b>2011</b> , 19, 915-24	38

# (2011-2011)

767	Multilayer coating of gold nanorods for combined stability and biocompatibility. 2011, 13, 10028-35	65
766	Multimodal coupling of optical transitions and plasmonic oscillations in rhodamine B modified gold nanoparticles. <b>2011</b> , 13, 1131-9	45
765	Gold nanoparticles confined in lamellar mesophases. <b>2011</b> , 1, 434	13
764	Tuning the wavelength drift between resonance light absorption and scattering of plasmonic nanoparticle. <b>2011</b> , 99, 101901	16
763	Design of Photosensitive Gold Nanoparticles for Biomedical Applications Based on Self-Consistent Optical Response Theory. <b>2011</b> , 115, 19091-19095	29
762	Photothermal nanoblade for large cargo delivery into mammalian cells. <b>2011</b> , 83, 1321-7	51
761	Effect of Picosecond Postirradiation on Colloidal Suspensions of Differently Capped AuNPs. <b>2011</b> , 115, 5011-5020	29
760	Local temperature determination of optically excited nanoparticles and nanodots. <b>2011</b> , 11, 1061-9	90
759	Targeted magnetic hyperthermia. <b>2011</b> , 2, 815-38	30
758	Synthesis and modelling of gold nanostars with tunable morphology and extinction spectrum. <b>2011</b> , 21, 6531	76
757	Trimeric plasmonic molecules: the role of symmetry. <b>2011</b> , 11, 2440-5	144
756	The controlled synthesis of stable gold nanoparticles in quaternary ammonium ionic liquids by simple heating. <b>2011</b> , 22, 025602	21
755	Copper selenide nanocrystals for photothermal therapy. <b>2011</b> , 11, 2560-6	1047
754	Femtosecond-pulsed optical heating of gold nanoparticles. <b>2011</b> , 84,	193
753	Specific cell targeting with nanobody conjugated branched gold nanoparticles for photothermal therapy. <b>2011</b> , 5, 4319-28	295
752	Plasmon-exciton interactions on single thermoresponsive platforms demonstrated by optical tweezers. <b>2011</b> , 11, 4742-7	11
751	Multifunctional NaYF4: Yb3+,Er3+@Ag core/shell nanocomposites: integration of upconversion imaging and photothermal therapy. <b>2011</b> , 21, 6193	159
75°	Synthesis and photophysical studies of phthalocyanine-gold nanoparticle conjugates. <b>2011</b> , 40, 11876-84	39

749	Advances in surface plasmon resonance sensing with nanoparticles and thin films: nanomaterials, surface chemistry, and hybrid plasmonic techniques. <b>2011</b> , 83, 8057-62	79
748	Inorganic-organic hybrid nanomaterials for therapeutic and diagnostic imaging applications. <b>2011</b> , 12, 3888-927	78
747	LaPO4 nanoparticles doped with actinium-225 that partially sequester daughter radionuclides. <b>2011</b> , 22, 766-76	80
746	Biocompatible glutathione capped gold clusters as one- and two-photon excitation fluorescence contrast agents for live cells imaging. <b>2011</b> , 3, 429-34	195
745	Nanocarriers and Cancer Therapy: Approaches to Topical and Transdermal Delivery. <b>2011</b> , 269-286	1
744	Plasmon-assisted optofluidics. <b>2011</b> , 5, 5457-62	219
743	Laser-induced damage and recovery of plasmonically targeted human endothelial cells. <b>2011</b> , 11, 1358-63	44
742	Plasmon-Mediated Catalytic Oxidation of sec-Phenethyl and Benzyl Alcohols. <b>2011</b> , 115, 10784-10790	82
741	Cellular uptake and nanoscale localization of gold nanoparticles in cancer using label-free confocal Raman microscopy. <b>2011</b> , 8, 176-84	64
740	Geometry and surface characteristics of gold nanoparticles influence their biodistribution and uptake by macrophages. <b>2011</b> , 77, 417-23	390
739	The influence of pulmonary surfactant on nanoparticulate drug delivery systems. <b>2011</b> , 77, 350-2	45
738	Applications of Gold Nanoparticles: Current Trends and Future Prospects. <b>2011</b> , 225-248	5
737	Synthesis and characterization of high concentration block copolymer-mediated gold nanoparticles. <b>2011</b> , 27, 4048-56	48
736	Shape-controlled synthesis of NIR absorbing branched gold nanoparticles and morphology stabilization with alkanethiols. <b>2011</b> , 22, 015601	30
735	Dry photochemical synthesis of hydrotalcite, EAl2O3 and TiO2 supported gold nanoparticle catalysts. <b>2011</b> , 224, 8-15	22
734	Golden perspective: application of laser-generated gold nanoparticle conjugates in reproductive biology. <b>2011</b> , 46 Suppl 3, 42-52	26
733	A new preparation of Au nanoplates and their application for glucose sensing. <b>2011</b> , 28, 344-8	77
73 <sup>2</sup>	Cellular Uptake, Intracellular Trafficking and Biological Responses of Gold Nanoparticles. <b>2011</b> , 58, 273-281	15

731	Investigation of pH Effect on Gold Nanorod Synthesis. <b>2011</b> , 58, 822-827		31
730	Thermodynamics of nanosecond nanobubble formation at laser-excited metal nanoparticles. <b>2011</b> , 13, 043018		113
729	A gold nanorod based colorimetric probe for the rapid and selective detection of Cu2+ ions. <b>2011</b> , 136, 3904-10		86
728	Sol-gel synthesis and features of the structure of Au-In2O3 nanocomposites. <b>2011</b> , 37, 560-567		6
727	Improving image quality in reflection confocal microscopy involving gold nanoparticles and osmotically active immersion liquids. <b>2011</b> , 110, 483-488		3
726	Surface plasmons in metallic nanoparticles: fundamentals and applications. <b>2011</b> , 44, 283001		556
7 <b>2</b> 5	Ultraflexible plasmonic nanocomposite aerogel. <b>2011</b> , 1, 1265		23
724	Functionalization of gold surfaces: recent developments and applications. <b>2011</b> , 46, 7643-7648		19
723	Metal and Metal Oxide Nanostructures Prepared by Electrical Arc Discharge Method in Liquids. <b>2011</b> , 22, 233-266		35
722	Inorganic nanoparticles in cancer therapy. <b>2011</b> , 28, 237-59		258
721	Robust dithiocarbamate-anchored amine functionalization of Au nanoparticles. <b>2011</b> , 13, 751-761		23
720	Silvernanotherapy on the viral borne disease of silkworm Bombyx mori L <b>2011</b> , 13, 6377-6388		11
719	Biochemical and biomedical applications of multifunctional magnetic nanoparticles: a review. <b>2011</b> , 13, 4411-4430		106
718	Pegylated single-walled carbon nanotubes with gelable block copolymers. <b>2011</b> , 29, 762-771		3
717	Radiolabelling of engineered nanoparticles for in vitro and in vivo tracing applications using cyclotron accelerators. <b>2011</b> , 85, 751-73		60
716	Slowed diffusion of single nanoparticles in the extracellular microenvironment of living cells revealed by darkfield microscopy. <b>2011</b> , 399, 353-9		12
715	Crystallographic control of noble metal nanocrystals. <i>Nano Today</i> , <b>2011</b> , 6, 265-285	17.9	161
714	Dispersions based on noble metal nanoparticles-DNA conjugates. <b>2011</b> , 163, 123-43		12

713	Utilization of unmodified gold nanoparticles in colorimetric detection. <b>2011</b> , 54, 1757-1765		24
712	Self-assembled structures of colloidal silver nanoparticles on solid substrates. <b>2011</b> , 26, 883-887		
711	Cellular uptake, intracellular trafficking, and cytotoxicity of nanomaterials. <i>Small</i> , <b>2011</b> , 7, 1322-37	11	823
710	Temperature determination of resonantly excited plasmonic branched gold nanoparticles by X-ray absorption spectroscopy. <i>Small</i> , <b>2011</b> , 7, 2498-506	11	20
709	Nanodevices in diagnostics. <b>2011</b> , 3, 11-32		51
708	New insights on surface-enhanced Raman scattering based on controlled aggregation and spectroscopic studies, DFT calculations and symmetry analysis for 3,6-bi-2-pyridyl-1,2,4,5-tetrazine adsorbed onto citrate-stabilized gold nanoparticles. <b>2011</b> , 42, 644-652		13
707	Nanobiomaterials: State of the Art and Future Trends. <b>2011</b> , 13, B197-B217		47
706	Multifunctional Mesoporous Nanoellipsoids for Biological Bimodal Imaging and Magnetically Targeted Delivery of Anticancer Drugs. <b>2011</b> , 21, 270-278		228
705	Cancer nanotheranostics: improving imaging and therapy by targeted delivery across biological barriers. <b>2011</b> , 23, H217-47		384
704	Nanoparticles Containing Rare Earth Ions: A Tunable Tool for MRI. <b>2011</b> , 333-374		1
703	Synthesis of Nanomaterials as a Platform for Molecular Imaging. <b>2011</b> , 25-45		2
702	Nanoparticles for Combined Cancer Imaging and Therapy. <b>2011</b> , 565-592		1
701	Theranostic Applications of Gold CoreBhell Structured Nanoparticles. 2011, 683-708		
700	Nanoparticles and Sensors. <b>2011</b> , 163-190		
699	Ilick[Assembly of Carborane-Appended Polymers and Stabilization of Gold and Palladium Nanoparticles. <b>2011</b> , 2011, 3043-3049		17
698	Encapsulation of docetaxel into PEGylated gold nanoparticles for vectorization to cancer cells. <b>2011</b> , 6, 2003-8		30
697	Gold nanorods as new nanochromophores for photothermal therapies. <b>2011</b> , 4, 64-73		61
696	Metall-Nanokristalle mit hochverzweigten Morphologien. <b>2011</b> , 123, 78-87		63

695	Metal nanocrystals with highly branched morphologies. <b>2011</b> , 50, 76-85		500
694	Photochemical synthesis of goldpolyethylenglycol coreBhell nanoparticles. <b>2011</b> , 47, 1250-1255		15
693	Characterization of Ag and Au nanoparticles created by nanosecond pulsed laser ablation in double distilled water. <i>Applied Surface Science</i> , <b>2011</b> , 257, 5278-5282	6.7	28
692	The effect of the deposition parameters on size, distribution and antimicrobial properties of photoinduced silver nanoparticles on titania coatings. <i>Applied Surface Science</i> , <b>2011</b> , 257, 7076-7082	6.7	39
691	Nanoprobes for biomedical imaging in living systems. <i>Nano Today</i> , <b>2011</b> , 6, 204-220	17.9	120
690	Interaction of gold nanoparticles with nanosecond laser pulses: Nanoparticle heating. <i>Applied Surface Science</i> , <b>2011</b> , 257, 5456-5459	6.7	24
689	Facile synthesis of SERS active Ag nanoparticles in the presence of tri-n-octylphosphine sulfide. <i>Applied Surface Science</i> , <b>2011</b> , 257, 4935-4940	6.7	12
688	Embedded metal nanoparticles as localized heat sources: An alternative processing approach for complex polymeric materials. <b>2011</b> , 52, 1674-1685		70
687	. 2011,		1
686	Interpretation of spectra responses of metal nanoparticles to analyte based on localized surface plasmon resonance. <b>2011</b> , 225, 171-175		
685	Bio-synthesis of gold nanoparticles by human epithelial cells, in vivo. <b>2011</b> , 22, 355601		11
684	Hybrid laser-activatable gold nanorods-loaded hydrogels for photothermal applications. <b>2011</b> ,		
683	Biocompatible transferrin-conjugated sodium hexametaphosphate-stabilized gold nanoparticles: synthesis, characterization, cytotoxicity and cellular uptake. <b>2011</b> , 22, 395706		27
682	Synthesis of Ag-Au Nanoparticles by Galvanic Replacement and Their Morphological Studies by HRTEM and Computational Modeling. <b>2011</b> , 2011, 1-5		8
681	Gold Nanorod-Mediated Photothermal Modulation for Localized Ablation of Cancer Cells. <b>2012</b> , 2012, 1-7		13
680	Effect of Size, Shape, and Surface Modification on Cytotoxicity of Gold Nanoparticles to Human HEp-2 and Canine MDCK Cells. <b>2012</b> , 2012, 1-7		51
679	Plasmonic resonances of nanowires with periodically corrugated cross sections. <b>2012</b> , 29, 3248		4
678	Assembly of Gold Nanoparticles Induced by Metal Ions. <b>2012</b> , 207-240		9

677	Noble-metal nanoparticles and short pulses for nanomanipulations: theoretical analysis. <b>2012</b> , 29, 1383	47
676	Temperature dependence of the thermal boundary resistivity of glass-embedded metal nanoparticles. <b>2012</b> , 100, 011902	15
675	Far- and near-field optical properties of gold nanoparticle ensembles. <b>2012</b> , 42, 1123-1127	5
674	The Effect of Nanoparticle Size on Cellular Binding Probability. <b>2012</b> , 2012, 1-7	7
673	Encapsulation of Water-soluble Vitamins by Gold Nanoparticles in Hydrophobic Media. <b>2012</b> , 41, 1107-1109	2
672	Thermo-optical properties of embedded silver nanoparticles. <b>2012</b> , 112, 103101	13
671	Sensing colorimetric approaches based on gold and silver nanoparticles aggregation: chemical creativity behind the assay. A review. <b>2012</b> , 751, 24-43	454
670	Synthesis of biologically stable gold nanoparticles using imidazolium-based amino acid ionic liquids. <b>2012</b> , 43, 1323-30	16
669	Correlating electron tomography and plasmon spectroscopy of single noble metal core-shell nanoparticles. <b>2012</b> , 12, 145-50	44
668	Biomolecule/Nanoparticle Hybrid Systems for Bioanalysis and Nanomedicine. <b>2012</b> , 1-31	4
667	Green synthesis of silver nanoparticles for the control of mosquito vectors of malaria, filariasis, and dengue. <b>2012</b> , 12, 262-8	93
666	Metal Nanoparticles Acting as Light-Activated Heating Elements within Composite Materials. <b>2012</b> , 22, 5259-5270	58
665	Topical Developments of Nanoporous Membrane Filters for Ultrafine Noble Metal Nanoparticles. <b>2012</b> , 2012, 5439-5450	22
664	Effect of the hybrid composition on the physicochemical properties and morphology of iron oxidegold nanoparticles. <b>2012</b> , 14, 1	12
663	Spectroscopic and coarse-grained simulation studies of the BSA and HSA protein adsorption on silver nanoparticles. <b>2012</b> , 14, 1	39
662	Enhanced optical trapping and arrangement of nano-objects in a plasmonic nanocavity. <b>2012</b> , 12, 125-32	134
661	Cysteine Interactions in Glutathione Mediated Assembly of Silver Nanoparticles in the Presence of Metal Ions. <b>2012</b> , 18-19, 63-76	4
660	Plasmas meet plasmonics. <b>2012</b> , 66, 1	25

#### (2012-2012)

659	based on surface-enhanced Raman scattering. <b>2012</b> , 84, 3574-80	14
658	Synthesis of Core-Shell (Pd-Au) Bimetallic Nanoparticles in Microemulsions. <b>2012</b> , 33, 1360-1367	2
657	Synthesis and bioanalytical applications of specific-shaped metallic nanostructures: a review. <b>2012</b> , 716, 76-91	59
656	One-pot synthesis and characterization of bifunctional Au <b>E</b> e3O4 hybrid coreEhell nanoparticles. <b>2012</b> , 537, 60-64	21
655	Physicochemical behavior of zinc tetrakis (benzylmercapto) phthalocyanine when used to functionalize gold nanoparticles and in electronspun fibers. <b>2012</b> , 240, 50-58	23
654	Mangrove Streptomyces sp. BDUKAS10 as nanofactory for fabrication of bactericidal silver nanoparticles. <b>2012</b> , 98, 12-7	67
653	Hybrid Chitosan-Mercaptopropyltrimethoxysilane Films with Ag and Au Nanoparticles: Synthesis and Properties. <b>2012</b> , 562, 229-241	1
652	Improved size-tunable synthesis of monodisperse gold nanorods through the use of aromatic additives. <b>2012</b> , 6, 2804-17	641
651	Wearable Optical Chemical Sensors. <b>2012</b> , 29-52	1
650	Photothermal Effect of Plasmonic Nanoparticles and Related Bioapplications. <b>2012</b> , 455-475	3
649	Drug Delivery Using Nanocarriers: Indian Perspective. <b>2012</b> , 82, 167-206	11
648	In situ synthesis of gold nanoparticles in exponentially-growing layer-by-layer films. 2012, 388, 56-66	16
647	Applications of vectorized gold nanoparticles to the diagnosis and therapy of cancer. <b>2012</b> , 41, 242-57	224
646	Gold nanoparticles in the clinical laboratory: principles of preparation and applications. <b>2011</b> , 50, 193-209	52
645	Thermophysical and biological responses of gold nanoparticle laser heating. 2012, 41, 1191-217	408
644	Polypyrrole nanoparticles for high-performance in vivo near-infrared photothermal cancer therapy. <b>2012</b> , 48, 8934-6	275
643	Controlled Fabrication of Gold Nanoparticle and Fluorescent Protein Conjugates. 2012, 7, 609-617	12
642	Thermal imaging of nanostructures by quantitative optical phase analysis. <b>2012</b> , 6, 2452-8	149

641	Photothermal Response of Photoluminescent Silicon Nanocrystals. 2012, 3, 1793-7	24
640	Angle-dependent resonance of localized and propagating surface plasmons in microhole arrays for enhanced biosensing. <b>2012</b> , 404, 2859-68	29
639	Interactions of human endothelial cells with gold nanoparticles of different morphologies. <i>Small</i> , <b>2012</b> , 8, 122-30	97
638	Fluorescence in nanobiotechnology: sophisticated fluorophores for novel applications. <i>Small</i> , <b>2012</b> , 8, 2297-326	161
637	Chrominance to dimension: a real-time method for measuring the size of single gold nanoparticles. <b>2012</b> , 84, 4284-91	107
636	Light-Induced Plasmon-Assisted Phase Transformation of Carbon on Metal Nanoparticles. <b>2012</b> , 22, 2129-21	3923
635	Confocal Raman microspectroscopic study of folate receptor-targeted delivery of 6-mercaptopurine-embedded gold nanoparticles in a single cell. <b>2012</b> , 100, 1221-8	7
634	Impact of spacer and strand length on oligonucleotide conjugation to the surface of ligand-free laser-generated gold nanoparticles. <b>2012</b> , 23, 908-15	22
633	Gold nanoparticles in chemical and biological sensing. <b>2012</b> , 112, 2739-79	3476
632	Physicochemical characteristics of protein-NP bioconjugates: the role of particle curvature and solution conditions on human serum albumin conformation and fibrillogenesis inhibition. <b>2012</b> , 28, 9113-26	168
631	CpG-DNA loaded multifunctional MnO nanoshuttles for TLR9-specific cellular cargo delivery, selective immune-activation and MRI. <b>2012</b> , 22, 8826	14
630	Controlled synthesis of gold nanostars by using a zwitterionic surfactant. <b>2012</b> , 18, 9381-90	69
629	Docetaxel nanotechnology in anticancer therapy. <b>2012</b> , 7, 952-72	84
628	Ultrahigh Active Pd Nanocatalyst Supported on Core-Sheath Conducting Polymer/Metal Oxide Composite Nanorods. <b>2012</b> , 142, 566-572	11
627	Au:CdHgTe quantum dots for in vivo tumor-targeted multispectral fluorescence imaging. <b>2012</b> , 403, 1343-52	19
626	Effect of nanoparticles of silver and gold on metabolic rate and development of broiler and layer embryos. <b>2012</b> , 161, 315-9	26
625	Non-specific internalization of laser ablated pure gold nanoparticles in pancreatic tumor cell. <b>2012</b> , 92, 190-5	15
624	The anticancer activity of chloroquine-gold nanoparticles against MCF-7 breast cancer cells. <b>2012</b> , 95, 195-200	66

#### (2013-2012)

623	33, 1689-98		268
622	Molecular modeling of the relationship between nanoparticle shape anisotropy and endocytosis kinetics. <b>2012</b> , 33, 4965-73		127
621	Synthesis of phthalocyanine conjugates with gold nanoparticles and liposomes for photodynamic therapy. <b>2012</b> , 107, 35-44		105
620	Effects of aggregation and the surface properties of gold nanoparticles on cytotoxicity and cell growth. <b>2012</b> , 8, 46-53		107
619	Nanomedicine and veterinary science: the reality and the practicality. <b>2012</b> , 193, 12-23		52
618	Photophysical behaviour of cationic 2-(dimethylamino) ethanethio tetrasubstituted phthalocyanine complexes in the presence of gold nanoparticles. <b>2012</b> , 38, 169-177		15
617	Thermal and pH dual stimuli-responsive hybrid inclusion complex with tunable nonlinear optical properties. <b>2012</b> , 53, 1543-1550		6
616	Photostimulated Au Nanoheaters in Polymer and Biological Media: Characterization of Mechanical Destruction and Boiling. <b>2012</b> , 22, 294-303		53
615	Thermo-plasmonics: using metallic nanostructures as nano-sources of heat. <b>2013</b> , 7, 171-187		800
614	Nanoscale infrared absorption imaging permits non-destructive intracellular photosensitizer localization for subcellular uptake analysis. <b>2013</b> , 3, 13789		26
613	Light-Triggered Self-Assembly of Gold Nanoparticles Based on Photoisomerization of Spirothiopyran. <b>2013</b> , 125, 8462-8466		14
612	Nanodumbbells as multi-functional diagnosis probes. <b>2013</b> , 15, 1		
611	Au-ultrathin functionalized corellhell (Fe3O4@Au) monodispersed nanocubes for a combination of magnetic/plasmonic photothermal cancer cell killing. <b>2013</b> , 3, 7816		40
610	Enhanced electrochromic coloration in Ag nanoparticle decorated WO3 thin films. <b>2013</b> , 102, 358-368		58
609	Sandwich Immunoassay for Hepatitis C Virus Non-Structural 5A Protein Using a Glassy Carbon Electrode Modified with an Au-MoO3/Chitosan Nanocomposite. <b>2013</b> , 46, 1241-1254		10
608	Magnetism in nanocrystalline gold. <b>2013</b> , 7, 6691-9		37
607	Enhanced Delivery of Polymer Therapeutics to Solid Tumors. <b>2013</b> , 151-185		
606	Core-shell nanocarriers with ZnO quantum dots-conjugated Au nanoparticle for tumor-targeted drug delivery. <i>Carbohydrate Polymers</i> , <b>2013</b> , 92, 1124-32	10.3	53

605	Pd@Au core-shell nanocrystals with concave cubic shapes: kinetically controlled synthesis and electrocatalytic properties. <b>2013</b> , 164, 175-88	17
604	Oriented gold nanoparticle aggregation for colorimetric sensors with surprisingly high analytical figures of merit. <b>2013</b> , 135, 12338-45	253
603	One Step Chemical Synthesis of Ag-Fe\$_3\$O \$_4\$ Heterodimer Nanoparticles: Optical, Structure, and Magnetic Properties. <b>2013</b> , 49, 4606-4609	2
602	Multiple Surface Plasmon Resonances in a Metallhsulator Metal Structure Assembled Via Silver Lopper Nanoparticle Arrays. <b>2013</b> , 8, 651-656	
601	Green Synthesis of a Gold NanoparticleNanocluster Composite Nanostructures Using Trypsin as Linking and Reducing Agents. <b>2013</b> , 1, 1398-1404	27
600	Ligand-Directed Formation of Gold Tetrapod Nanostructures. <b>2013</b> , 117, 17143-17150	28
599	In situ self-assembly synthesis of gold nanoparticle arrays on polystyrene microspheres and their surface plasmon resonance. <b>2013</b> , 291, 239-244	14
598	Micelles, mixed micelles, and applications of polyoxypropylene (PPO)-polyoxyethylene (PEO)-polyoxypropylene (PPO) triblock polymers. <b>2013</b> , 4, 12	36
597	Surface-Enhanced Raman Scattering: A Technique of Choice for Molecular Detection. <b>2013</b> , 754, 143-169	13
596	DDA simulations of noble metal and alloy nanocubes for tunable optical properties in biological imaging and sensing. <b>2013</b> , 3, 15427	27
595	Recent advances in micro/nano-particles for clinical detection of cancer biomarkers. <b>2013</b> , 5, 5862	6
594	The fabrication of scatheless triangle nanoparticles for biosensor. <b>2013</b> , 111, 87-90	1
593	Low-dimensional systems investigated by x-ray absorption spectroscopy: a selection of 2D, 1D and 0D cases. <b>2013</b> , 46, 423001	94
592	An overview of nanoparticle assisted laser therapy. <b>2013</b> , 67, 469-486	61
591	Plasmonics for pulsed-laser cell nanosurgery: Fundamentals and applications. 2013, 17, 26-49	111
590	Fluorometric sensing of intracellular thiols in living cells using a AuNPs/1-PR3+ adsorbate. <b>2013</b> , 177, 467-471	9
589	Galactose decorated PLGA nanoparticles for hepatic delivery of acyclovir. 2013, 39, 1866-73	22
588	CANCER THERANOSTICS WITH HOLLOW GOLD NANOSPHERES. <b>2013</b> , 308-332	1

587  $\,$  Gold-Based Core/Shell and Hollow Nanoparticles. 2013, 1

586	Nanoparticles for biomedical applications: current status, trends and future challenges. <b>2013</b> , 1-132	2
585	Electron polarization and plasmon effects in anisotropic nanostructures. 2013, 114, 104309	О
584	Remotely triggered scaffolds for controlled release of pharmaceuticals. <b>2013</b> , 14, 8585-602	17
583	The use of femto-second lasers to trigger powerful explosions of gold nanorods to destroy cancer cells. <b>2013</b> , 34, 6157-62	21
582	Plasmonic photothermal therapy increases the tumor mass penetration of HPMA copolymers. <b>2013</b> , 166, 130-8	48
581	Ultrasensitive Surface Acoustic Wave Detection of Collective Plasmonic Heating by Close-Packed Colloidal Gold Nanoparticles Arrays. <b>2013</b> , 117, 2442-2448	8
580	Nanoparticles and Biophotonics as Efficient Tools in Resonance Energy Transfer-Based Biosensing for Monitoring Food Toxins and Pesticides. <b>2013</b> , 55-84	5
579	Fabrication of Gold Nanostructures and Studies of Their Morphological and Surface Plasmonic Properties. <b>2013</b> , 8, 1273-1278	7
578	Cancer laser therapy using gold nanoparticles. <b>2013</b> , 659-703	4
577	Phase formation, magnetic and optical properties of epitaxially grown icosahedral Au@Ni nanoparticles with ultrathin shells. <b>2013</b> , 15, 2527	24
576	Ecotoxicity and uptake of polymer coated gold nanoparticles. 2013, 7, 37-47	46
575	Intrinsic catalytic activity of Au nanoparticles with respect to hydrogen peroxide decomposition and superoxide scavenging. <b>2013</b> , 34, 765-73	229
574	Fluorescent Nanosensors Based on Fluorescence Resonance Energy Transfer (FRET). <b>2013</b> , 52, 11228-11245	188
573	Evolution of size and shape of gold nanoparticles during long-time aging. <b>2013</b> , 138, 449-453	25
572	Electrospun fibers functionalized with phthalocyanine-gold nanoparticle conjugates for photocatalytic applications. <b>2013</b> , 371, 125-134	30
571	Optical Properties of a Particle above a Dielectric Interface: Cross Sections, Benchmark Calculations, and Analysis of the Intrinsic Substrate Effects. <b>2013</b> , 117, 6383-6398	38
570	Ultrafast plasmon induced electron injection mechanism in goldIIiO2 nanoparticle system. <b>2013</b> , 15, 21-30	96

569	Improving the flux of PDMS membranes via localized heating through incorporation of gold nanoparticles. <b>2013</b> , 428, 63-69	49
568	State of the art in gold nanoparticle synthesis. <b>2013</b> , 257, 638-665	627
567	Probing and controlling photothermal heat generation in plasmonic nanostructures. 2013, 13, 1023-8	131
566	Polymers as Templates for Au and [email[protected] Bimetallic Nanorods: UVII is and Surface Enhanced Raman Spectroscopy. <b>2013</b> , 25, 158-169	75
565	Nanohybridization of Low-Dimensional Nanomaterials: Synthesis, Classification, and Application. <b>2013</b> , 38, 1-56	13
564	Surface-functionalized nanoparticles for biosensing and imaging-guided therapeutics. <b>2013</b> , 5, 3127-48	175
563	Plasmonic nanopore for electrical profiling of optical intensity landscapes. <b>2013</b> , 13, 1029-33	81
562	Influence of nanoparticle materials on the photophysical behavior of phthalocyanines. <b>2013</b> , 257, 2401-2418	40
561	Plasma-Mediated Nanocavitation and Photothermal Effects in Ultrafast Laser Irradiation of Gold Nanorods in Water. <b>2013</b> , 117, 9386-9396	53
560	A plasmon-assisted optofluidic (PAOF) system for measuring the photothermal conversion efficiencies of gold nanostructures and controlling an electrical switch. <b>2013</b> , 52, 4169-73	196
559	Cyclic peptide-capped gold nanoparticles as drug delivery systems. <b>2013</b> , 10, 500-11	46
558	Effects of Anions on Electrochemical Reactions of Silver Shells on Gold Nanorods. <b>2013</b> , 117, 2521-2530	11
557	Targeted and pH-responsive delivery of doxorubicin to cancer cells using multifunctional dendrimer-modified multi-walled carbon nanotubes. <b>2013</b> , 2, 1267-76	89
556	Recent developments in optofluidic-assisted Raman spectroscopy. <b>2013</b> , 37, 1-50	21
555	Modern surface plasmon resonance for bioanalytics and biophysics. <b>2013</b> , 15, 11190-216	130
554	New aspects of gold nanorod formation via seed-mediated method. <b>2013</b> , 16, 640-650	13
553	Homogeneous Hydrophobic-Hydrophilic Surface Patterns Enhance Permeation of Nanoparticles through Lipid Membranes. <b>2013</b> , 4, 1907-12	56
552	Comparison of different strategies for the assembly of gold colloids onto Fe3O4@SiO2 nanocomposite particles. <b>2013</b> , 49, 30-38	9

#### (2013-2013)

551	Supported Gold Nanoparticles as Efficient Catalysts in the Solventless Plasmon Mediated Oxidation of sec-Phenethyl and Benzyl Alcohol. <b>2013</b> , 117, 12279-12288		52
550	Coating urchinlike gold nanoparticles with polypyrrole thin shells to produce photothermal agents with high stability and photothermal transduction efficiency. <b>2013</b> , 29, 7102-10		83
549	Two-photon induced photoluminescence and singlet oxygen generation from aggregated gold nanoparticles. <b>2013</b> , 5, 4972-7		52
548	New Non Phyto- and Eco-Toxic Alumina-Stabilized Silver and Praseodymium Nanoparticles. <b>2013</b> , 10, 908-916		8
547	Light-triggered self-assembly of gold nanoparticles based on photoisomerization of spirothiopyran. <b>2013</b> , 52, 8304-8		74
546	Gold nanoparticles: a paradigm shift in biomedical applications. <b>2013</b> , 199-200, 44-58		119
545	Processing condition influence on the characteristics of gold nanoparticles produced by pulsed laser ablation in liquids. <i>Applied Surface Science</i> , <b>2013</b> , 274, 105-109	.7	11
544	One-step synthesis of dendritic gold nanoflowers with high surface-enhanced Raman scattering (SERS) properties. <b>2013</b> , 3, 10139		53
543	Interaction of inorganic nanoparticles with the skin barrier: current status and critical review. <b>2013</b> , 9, 39-54		119
542	Realizing vertical light coupling and splitting in nano-plasmonic multilevel circuits. <b>2013</b> , 21, 26311-22		7
541	Preparation of Uncapped CdSe x Te1 $\mbox{\ensuremath{\mathbb{N}}}$ Nanocrystals with Strong Near-IR Tunable Absorption. <b>2013</b> , 42, 3373-3378		6
540	Gold nanoparticles - the theranostic challenge for PPPM: nanocardiology application. 2013, 4, 18		32
539	Gold Nanoparticle Synthesis Using Spatially and Temporally Shaped Femtosecond Laser Pulses: Post-Irradiation Auto-Reduction of Aqueous [AuCl4][12013, 117, 18719-18727		44
538	A plasmon ruler based on nanoscale photothermal effect. <b>2013</b> , 21, 172-81		56
537	Visible and near infrared resonance plasmonic enhanced nanosecond laser optoporation of cancer cells. <b>2013</b> , 4, 490-9		26
536	Biosynthesis, antimicrobial and cytotoxic effect of silver nanoparticles using a novel Nocardiopsis sp. MBRC-1. <b>2013</b> , 2013, 287638		121
535	Synthesis and Self-Assembly of Gold Nanoparticles by Chemically Modified Polyol Methods under Experimental Control. <b>2013</b> , 2013, 1-8		6
534	Uptake of gold nanoparticles in several rat organs after intraperitoneal administration in vivo: a fluorescence study. <b>2013</b> , 2013, 353695		14

533	Remote activation of a microactuator using a frequency specific photo-responsive gold nanoparticle composite. <b>2013</b> , 23, 125022	4
532	Gold nanocrescents for remotely measuring and controlling local temperature. <b>2013</b> , 24, 325501	4
531	Whole body microwave irradiation for improved dacarbazine therapeutical action in cutaneous melanoma mouse model. <b>2013</b> , 2013, 414816	4
530	Dual-responsive gold nanoparticles for colorimetric recognition and testing of carbohydrates with a dispersion-dominated chromogenic process. <b>2013</b> , 25, 749-54	47
529	Optical Detection of Some Hydrazine Compounds Based on the Surface Plasmon Resonance Band of Silver Nanoparticles. <b>2013</b> , 46, 73-80	7
528	Light-induced electronic non-equilibrium in plasmonic particles. <b>2013</b> , 138, 174707	34
527	Interaction and diffusion of gold nanoparticles in bovine serum albumin solutions. 2013, 102, 203705	24
526	Design of a Novel Drug Carrier with Photoresponsive Properties: Drug-encapsulated and Alkanethiol-modified Gold-nanoparticle-loaded PEGylated Dendrimer. <b>2013</b> , 42, 612-614	5
525	SYNTHESIS AND PROPERTIES OF GOLD NANOPARTICLES STABILIZED BY SODIUM FOLATE. 2013,	
524	A Plasmon-Assisted Optofluidic (PAOF) System for Measuring the Photothermal Conversion Efficiencies of Gold Nanostructures and Controlling an Electrical Switch. <b>2013</b> , 125, 4263-4267	30
523	Selective targeting of brain tumors with gold nanoparticle-induced radiosensitization. 2013, 8, e62425	170
522	Effect of gold nanoparticle on structure and fluidity of lipid membrane. <b>2014</b> , 9, e114152	37
521	PEI-conjugated AuNPs as a sensing platform for arsenic (AS-III). <b>2014</b> , 9, 892-905	4
520	Thickness-Dependent Strain Effect on the Deformation of the Graphene-Encapsulated Au Nanoparticles. <b>2014</b> , 2014, 1-6	10
519	Interactions of gold nanoparticles with biological structures. 2014,	
518	Sub-10-nm Pd nanosheets with renal clearance for efficient near-infrared photothermal cancer therapy. <i>Small</i> , <b>2014</b> , 10, 3139-44	240
517	New Alumina-Based Novel Ceramic Nanopigments: An Alternative to the Purple of Cassius. <b>2014</b> , 11, 738-744	4
516	Modulating the physicochemical and structural properties of gold-functionalized protein nanotubes through thiol surface modification. <b>2014</b> , 30, 14991-8	10

515	Nanoparticle above a Dielectric Interface: Plasmon Hybridization Model, Comparison with the Dimer System, and against Exact Electrodynamics Calculations. <b>2014</b> , 118, 28118-28133	4
5 <del>1</del> 4	Gold nanoparticles for photothermally controlled drug release. <b>2014</b> , 9, 2023-39	32
513	Injection of ligand-free gold and silver nanoparticles into murine embryos does not impact pre-implantation development. <b>2014</b> , 5, 677-88	21
512	Multilevel light bending in nanoplasmonics. 2014,	
511	Generation of stable colloidal gold nanoparticles by ultrashort laser-induced melting and fragmentation. <b>2014</b> , 1, 035028	12
510	Synthesis and Hemolytic Activity of Magnesium Hydroxide Nanoparticles. <b>2014</b> , 971-973, 228-231	5
509	Comparison of cantharidin toxicity in breast cancer cells to two common chemotherapeutics. <b>2014</b> , 2014, 423059	10
508	A nanocomposite disk prepared from reduced graphene oxide and gold nanoparticles for the preconcentration of heterocyclic aromatic amines prior to their determination by HPLC. <b>2014</b> , 181, 821-828	6
507	Biosynthesis of gold nanoparticles using Solanum nigrum leaf extract and screening their free radical scavenging and antibacterial properties. <b>2014</b> , 4, 325-332	96
506	Sub-100 nm hollow Au-Ag alloy urchin-shaped nanostructure with ultrahigh density of nanotips for photothermal cancer therapy. <b>2014</b> , 35, 4099-107	74
505	An Analytic Model for the Dielectric Function of Au, Ag, and their Alloys. <b>2014</b> , 2, 176-182	168
504	Overcoming the blood-brain barrier in chemotherapy treatment of pediatric brain tumors. <b>2014</b> , 31, 531-40	17
503	Lanthanide upconversion nanoparticles and applications in bioassays and bioimaging: a review. <b>2014</b> , 832, 1-33	279
502	Theranostic nanomedicine for cancer detection and treatment. <b>2014</b> , 22, 3-17	116
501	Green synthesis of anisotropic gold nanoparticles for photothermal therapy of cancer. <b>2014</b> , 6, 8080-9	134
500	Environmentally compatible bioconjugated gold nanoparticles as efficient contrast agents for colorectal cancer cell imaging. <b>2014</b> , 196, 306-313	11
499	Thermal Signatures of Plasmonic Fano Interferences: Toward the Achievement of Nanolocalized Temperature Manipulation. <b>2014</b> , 5, 1347-54	32
498	Tetrahexahedral Pt <b>P</b> d alloy nanocatalysts with high-index facets: an atomistic perspective on thermodynamic and shape stabilities. <b>2014</b> , 2, 1375-1382	14

497	Thermoplasmonics: quantifying plasmonic heating in single nanowires. <b>2014</b> , 14, 499-503	100
496	Direct temperature mapping of nanoscale plasmonic devices. <b>2014</b> , 14, 648-52	39
495	Synthesis of Black Elemental Selenium Peroxidase Mimic and Its Application in Green Synthesis of Water-Soluble Polypyrrole as a Photothermal Agent. <b>2014</b> , 118, 26351-26358	11
494	Interactions between silver nanoparticles and polyvinyl alcohol nanofibers. 2014, 4, 087111	23
493	Spatial temperature mapping within polymer nanocomposites undergoing ultrafast photothermal heating via gold nanorods. <b>2014</b> , 6, 15236-47	32
492	Size-tunable synthesis of high-quality gold nanorods under basic conditions by using H2O2 as the reducing agent. <b>2014</b> , 2, 4989	34
491	Rituximab-Au nanoprobes for simultaneous dark-field imaging and DAB staining of CD20 over-expressed on Raji cells. <b>2014</b> , 139, 5660-3	11
490	(Bio)-synthesis of Au NPs from soy isoflavone extracts as a novel assessment tool of their antioxidant capacity. <b>2014</b> , 4, 3075-3081	11
489	Dual-temperature and pH responsive (ethylene glycol)-based nanogels via structural design. <b>2014</b> , 5, 3061-3070	24
488	Self-reduction and morphology control of gold nanoparticles by dendronized poly(amido amine)s for photothermal therapy. <b>2014</b> , 4, 44872-44878	6
487	Two dimensional dipolar coupling in monolayers of silver and gold nanoparticles on a dielectric substrate. <b>2014</b> , 6, 12080-8	10
486	Defying symmetry: a flowerylarchitecture with augmented surface area from gold coated polymeric flanoblooms 12014, 4, 34303	2
485	Secondary structure of corona proteins determines the cell surface receptors used by nanoparticles. <b>2014</b> , 118, 14017-26	156
484	Bioinspired magneto-optical bacteria. <b>2014</b> , 53, 8565-9	8
483	Miniaturized Optical Sensors for Medical Diagnostics. <b>2014</b> , 1557-1584	1
482	An Electrochemical Biosensor for the Determination of Ganoderma boninense Pathogen Based on a Novel Modified Gold Nanocomposite Film Electrode. <b>2014</b> , 47, 819-832	8
481	Specific detection and simultaneously localized photothermal treatment of cancer cells using layer-by-layer assembled multifunctional nanoparticles. <b>2014</b> , 6, 6443-52	27
480	Green synthesis of bacterial gold nanoparticles conjugated to resveratrol as delivery vehicles. <b>2014</b> , 123, 311-7	52

479	Nanoparticles for photothermal therapies. <b>2014</b> , 6, 9494-530	1205
478	Single-crystalline and multiple-twinned gold nanoparticles: an atomistic perspective on structural and thermal stabilities. <b>2014</b> , 4, 7528	21
477	Nanogold plasmonic photocatalysis for organic synthesis and clean energy conversion. <b>2014</b> , 43, 7188-216	415
476	Mechanism of Improved Au Nanoparticle Size Distributions Using Simultaneous Spatial and Temporal Focusing for Femtosecond Laser Irradiation of Aqueous KAuCl4. <b>2014</b> , 118, 23986-23995	27
475	Position Dependent Plasmonic Interaction Between a Single Nanoparticle and a Nanohole Array. <b>2014</b> , 9, 1229-1237	3
474	Nd3+ doped LaF3 nanoparticles as self-monitored photo-thermal agents. <b>2014</b> , 104, 053703	99
473	Stress-induced cytotoxicity of chiral Ag nanoclusters. <b>2014</b> , 2, 6931-6938	14
472	Numerical simulations on conformable laser-induced interstitial thermotherapy through combined use of multi-beam heating and biodegradable nanoparticles. <b>2014</b> , 29, 1505-16	3
471	First demonstration of gold nanorods-mediated photodynamic therapeutic destruction of tumors via near infra-red light activation. <i>Small</i> , <b>2014</b> , 10, 1612-22	164
470	Spectroscopy of homo- and heterodimers of silver and gold nanocubes as a function of separation: a DDA simulation. <b>2014</b> , 118, 8338-44	18
469	Tailoring polymersome bilayer permeability improves enhanced permeability and retention effect for bioimaging. <b>2014</b> , 6, 10821-9	32
468	A green chemistry approach for synthesizing biocompatible gold nanoparticles. <b>2014</b> , 9, 248	103
467	Multifunctional two-photon active silica-coated Au@MnO Janus particles for selective dual functionalization and imaging. <b>2014</b> , 136, 2473-83	133
466	Folic acid-conjugated silica-coated gold nanorods and quantum dots for dual-modality CT and fluorescence imaging and photothermal therapy. <b>2014</b> , 2, 1945-1953	61
465	Deep eutectic solvents for the self-assembly of gold nanoparticles: a SAXS, UV-Vis, and TEM investigation. <b>2014</b> , 30, 6038-46	62
464	A highly sensitive nanoscale pH-sensor using Au nanoparticles linked by a multifunctional Raman-active reporter molecule. <b>2014</b> , 6, 7971-80	34
463	Mesoporous silica-coated plasmonic nanostructures for surface-enhanced Raman scattering detection and photothermal therapy. <b>2014</b> , 3, 1620-8	61
462	Large scale molecular simulations of nanotoxicity. <b>2014</b> , 6, 329-43	26

461	Silica Nanoparticle Bioconjugates. <b>2014</b> , 327-343	1
460	Gadolinium-based nanoparticles to improve the hadrontherapy performances. <b>2014</b> , 10, 1601-8	68
459	Spiropyran-modified gold nanoparticles: reversible size control of aggregates by UV and visible light irradiations. <b>2014</b> , 6, 7554-62	64
458	Clusters, Nanoparticles, Materials, and Surfaces. <b>2014</b> , 353-382	
457	PENETRATION OF SPHERICAL GOLD NANOPARTICLE INTO A LIPID BILAYER. <b>2015</b> , 57, 18-28	
456	Biological profiles of plasmonic particles modified with a cell penetrating peptide. 2015,	
455	Cellular superresolved imaging of multiple markers using temporally flickering nanoparticles. <b>2015</b> , 5, 10965	10
454	Plasmon resonance and heat generation in nanostructures. <b>2015</b> , 38, 4663-4672	23
453	PlasmonPhonon Interactions in Topological Insulator Microrings. <b>2015</b> , 3, 1257-1263	55
452	Photothermal Superheating of Water with Ion-Implanted Silicon Nanowires. <b>2015</b> , 3, 1362-1367	4
45 <sup>1</sup>	Thickness Dependent Nanostructural, Morphological, Optical and Impedometric Analyses of Zinc Oxide-Gold Hybrids: Nanoparticle to Thin Film. <b>2015</b> , 10, e0144964	25
450	Enhancement of photothermal toxicity and lung targeting delivery of Au nanorods via heparin-based nanogel. <b>2015</b> , 5, 22076-22079	2
449	Interfacial healing of carbon fiber composites in the presence of gold nanoparticles as localized Bano-heaters <b>2015</b> , 5, 5680-5685	5
448	Shape-Controlled Synthesis of Colloidal Metal Nanocrystals: Thermodynamic versus Kinetic Products. <b>2015</b> , 137, 7947-66	606
447	Preclinical studies of dendrimer prodrugs. <b>2015</b> , 11, 1303-15	8
446	Photothermal healing of a glass fiber reinforced composite interface by gold nanoparticles. <b>2015</b> , 5, 102167-102172	9
445	Controlling the self-assembly and optical properties of gold nanoclusters and gold nanoparticles biomineralized with bovine serum albumin. <b>2015</b> , 5, 101101-101109	3

#### (2015-2015)

443	Direct observation of optical near field in nanophotonics devices at the nanoscale using Scanning Thermal Microscopy. <b>2015</b> , 23, 27763-75	3
442	Laser-induced bubble generation on a gold nanoparticle: A nonsymmetrical description. <b>2015</b> , 92, 062301	5
441	One-Step Green Synthesis of Gold Nanoparticles Using Black Cardamom and Effect of pH on Its Synthesis. <b>2015</b> , 10, 1055	60
440	Enhancing laser therapy using PEGylated gold nanoparticles combined with ultrasound and microbubbles. <b>2015</b> , 57, 36-43	7
439	Au/polypyrrole@Fe3O4 nanocomposites for MR/CT dual-modal imaging guided-photothermal therapy: an in vitro study. <b>2015</b> , 7, 4354-67	114
438	Enhanced in vitro cytotoxicity and cellular uptake of DNA bases functionalized gold nanoparticles in HeLa cell lines. <b>2015</b> , 5, 13402-13410	6
437	Rapid synthesis of monodisperse Au nanospheres through a laser irradiation-induced shape conversion, self-assembly and their electromagnetic coupling SERS enhancement. <b>2015</b> , 5, 7686	98
436	A green route to water-soluble polyaniline for photothermal therapy catalyzed by iron phosphates peroxidase mimic. <b>2015</b> , 6, 2290-2296	22
435	An Ill in one approach for simultaneous chemotherapeutic, photothermal and magnetic hyperthermia mediated by hybrid magnetic nanoparticles. <b>2015</b> , 5, 25066-25078	12
434	Synthesis of biocompatible Au-ZnTe core-shell nanoparticles. <b>2015</b> , 3, 2826-2833	4
433	A Topography-Metrology Correlation in Nanoscale Probed by Near-Field Scanning Optical Microscopy. <b>2015</b> , 10, 447-454	8
432	Modern Applications of Plasmonic Nanoparticles: From Energy to Health. <b>2015</b> , 3, 602-617	140
431	Enhanced current efficiency of organic light-emitting devices due to a broad localized surface plasmonic resonance of AuZnO nanocomposites. <i>Applied Surface Science</i> , <b>2015</b> , 355, 359-363	8
430	Optical properties of metallic nanoparticles trapped by arabinogalactan molecule. 2015,	
429	Structural characterization of functionalized gold nanoparticles for drug delivery in cancer therapy: a NMR based approach. <b>2015</b> , 17, 18971-9	25
428	Surface Plasmon Properties of Silver Nanostructures Fabricated Using Extremely Non-Equilibrium, Hot and Dense Plasma. <b>2015</b> , 1110, 226-230	1
427	Folate-conjugated nanoparticles as a potent therapeutic approach in targeted cancer therapy. <b>2015</b> , 36, 5727-42	76
426	Nylon 6thold Nanoparticle Composite Fibers for Colorimetric Detection of Urinary 1-Hydroxypyrene. <b>2015</b> , 82, 260-265	10

425	l-Arginine-assisted electrochemical fabrication of hierarchical gold dendrites with improved electrocatalytic activity. <b>2015</b> , 19, 3185-3193		4
424	Paper-Based Device for Rapid Visualization of NADH Based on Dissolution of Gold Nanoparticles. <b>2015</b> , 7, 15023-30		33
423	Photo-thermal effects in gold nanoparticles dispersed in thermotropic nematic liquid crystals. <b>2015</b> , 17, 20281-7		40
422	Inherently stealthy and highly tumor-selective gold nanoraspberries for photothermal cancer therapy. <b>2015</b> , 5, 10311		19
421	A homogenous fluorescence quenching based assay for specific and sensitive detection of influenza virus A hemagglutinin antigen. <b>2015</b> , 15, 8852-65		16
420	Dynamics of laser excited colloidal gold nanoparticles functionalized with cysteine derivatives. <b>2015</b> , 162, 207-212		9
419	Influence of the metallic nanoparticles on the arabinogalactan optical properties. 2015, 24, 60-65		
418	Fabrication and characterization of metal nanostructures on metal substrates. 2015,		
417	Introductory lecture: nanoplasmonics. <b>2015</b> , 178, 9-36		49
416	Influence of nanoparticles accumulation on optical properties of human normal and cancerous liver tissue in vitro estimated by OCT. <b>2015</b> , 60, 1385-97		13
415	Colorimetric biosensing of pathogens using gold nanoparticles. <b>2015</b> , 33, 666-80		128
414	Applications of nanomaterials in modern medicine. <b>2015</b> , 26, 231-237		4
413	Plasmonics in atomically thin materials. <b>2015</b> , 178, 87-107		31
412	Solvothermal synthesis of metal nanocrystals and their applications. <i>Nano Today</i> , <b>2015</b> , 10, 240-267	17.9	149
411	DNA-directed assembly of gold nanohalo for quantitative plasmonic imaging of single-particle catalysis. <b>2015</b> , 137, 4292-5		111
410	Next-generation thermo-plasmonic technologies and plasmonic nanoparticles in optoelectronics. <b>2015</b> , 41, 23-70		45
409	Picosecond Laser Fabrication of Functional GoldAntibody Nanoconjugates for Biomedical Applications. <b>2015</b> , 119, 9524-9533		14
408	Noble Metal Nanomaterials: Synthetic Routes, Fundamental Properties, and Promising Applications. <b>2015</b> , 66, 131-211		12

# (2015-2015)

407	Dynamic imaging of Au-nanoparticles via scanning electron microscopy in a graphene wet cell. <b>2015</b> , 26, 315703	5
406	Core-Corona Functionalization of Diblock Copolymer Micelles by Heterogeneous Metal Nanoparticles for Dual Modality in Chemical Reactions. <b>2015</b> , 7, 18778-85	13
405	Au@Cu7S4 yolkBhell nanoparticles as a 980 nm laser-driven photothermal agent with a heat conversion efficiency of 63%. <b>2015</b> , 5, 87903-87907	25
404	Analysis of Nanomaterials by Particle Size Distribution Methods. <b>2015</b> , 129-157	
403	Gadolinium(III)-Chelated Silica Nanospheres Integrating Chemotherapy and Photothermal Therapy for Cancer Treatment and Magnetic Resonance Imaging. <b>2015</b> , 7, 25014-23	62
402	Sandwich-structured Fe2O3@SiO2@Au nanoparticles with magnetoplasmonic responses. <b>2015</b> , 3, 11645-116	522
401	Surface plasmon effect of carbon nanodots. <b>2015</b> , 7, 18908-13	21
400	Superabsorption of light by multilayer nanowires. <b>2015</b> , 7, 17658-63	20
399	Seed-mediated synthesis of hexameric octahedral PtPdCu nanocrystals with high electrocatalytic performance. <b>2015</b> , 51, 15406-9	19
398	Amino-substituted spirothiopyran as an initiator for self-assembly of gold nanoparticles. <b>2015</b> , 5, 77572-7758	02
397	Plasmon Hybridization Model for a Nanoparticle above a Dielectric Interface: Dielectric Effects, Comparison with the Dimer System, Range of Applicability, and Limits. <b>2015</b> , 119, 21087-21104	7
396	Factors affecting the pH and electrical conductivity of MgOEthylene glycol nanofluids. 2015, 38, 1345-1357	28
395	Deformation behavior of micron-sized polycrystalline gold particles studied by in situ compression experiments and frictional finite element simulation. <b>2015</b> , 286, 706-715	10
394	Functional, water-dispersible gold nanoparticles produced with N,N?-bis(acryloyl)-(L)-cystine. <b>2015</b> , 5, 104079-104086	1
393	Multifunctional ultrasmall Pd nanosheets for enhanced near-infrared photothermal therapy and chemotherapy of cancer. <b>2015</b> , 8, 165-174	88
393 392		88
	chemotherapy of cancer. <b>2015</b> , 8, 165-174  Extraction of absorption and scattering contribution of metallic nanoparticles toward rational	

389	Surface enhanced Raman spectral studies of 2-bromo-1,4-naphthoquinone. 2015, 138, 113-9	3
388	Optimized Sensitivity and Electric Field Enhancement by Controlling Localized Surface Plasmon Resonances for Bowtie Nanoring Nanoantenna Arrays. <b>2015</b> , 10, 553-561	19
387	Biodirected synthesis of Miconazole-conjugated bacterial silver nanoparticles and their application as antifungal agents and drug delivery vehicles. <b>2015</b> , 125, 110-9	84
386	Nanoplasmon-enabled macroscopic thermal management. <b>2014</b> , 4, 5111	18
385	Green synthesis, characterization and physiological stability of gold nanoparticles from Stachys lavandulifolia Vahl extract. <b>2015</b> , 19, 22-26	51
384	A novel drug delivery system of gold nanorods with doxorubicin and study of drug release by single molecule spectroscopy. <b>2015</b> , 23, 52-8	13
383	Stimuli-Responsive Gold Nanoparticles for Cancer Diagnosis and Therapy. <b>2016</b> , 7,	26
382	Novel Gold Nanoparticles Reduced by Sargassum glaucescens: Preparation, Characterization and Anticancer Activity. <b>2016</b> , 21, 123	28
381	Evidence of the Disassembly of Ecyclodextrin-octylamine Inclusion Compounds Conjugated to Gold Nanoparticles via Thermal and Photothermal Effects. <b>2016</b> , 21,	5
380	Digital holography based submicron thermometry. <b>2016</b> , 24, 28678-28685	7
379	Highly Ordered Ag/Cu Hybrid Nanostructure Arrays for Ultrasensitive Surface-Enhanced Raman Spectroscopy. <b>2016</b> , 3, 1600115	19
378	Bimetallic Nanocrystals: Syntheses, Properties, and Applications. <b>2016</b> , 116, 10414-72	1046
377	Random photografting of polymers to nanoparticles for well-dispersed nanocomposites. <b>2016</b> , 54, 152-158	7
376	Facile synthesis of Au-graphene nanocomposite for the selective determination of dopamine. <b>2016</b> , 776, 66-73	14
375	Iron oxide and gold nanoparticles in cancer therapy. <b>2016</b> ,	2
374	Hybrid Graphene Metallic Nanoparticles for Biodetection. <b>2016</b> , 65-100	3
373	Photothermal effects of plasmonic metal nanoparticles in a fluid. <b>2016</b> , 119, 083105	23
372	An environmentally friendly route to synthesize Cu micro/nanomaterials with Bustainable oxidation resistanceland promising catalytic performance. <b>2016</b> , 6, 35036-35043	5

371	Surface Plasmon Resonance of Nanoparticles and Applications in Imaging. <b>2016</b> , 220, 109-153	77
370	Circular Differential Two-Photon Luminescence from Helically Arranged Plasmonic Nanoparticles. <b>2016</b> , 3, 863-868	15
369	Influence of fluorescence of Eu(dbm) 3 phen doped films by gold nanorods. <b>2016</b> , 177, 295-298	10
368	Localization of Excess Temperature Using Plasmonic Hot Spots in Metal Nanostructures: Combining Nano-Optical Antennas with the Fano Effect. <b>2016</b> , 120, 13215-13226	50
367	Photothermally induced scratch healing effects of thermoplastic nanocomposites with gold nanoparticles. <b>2016</b> , 133, 165-172	19
366	Advances in Nanomedicine for Head and Neck Cancer. <b>2016</b> , 827-844	3
365	From bulk to plasmonic nanoparticle surfaces: the behavior of two potent therapeutic peptides, octreotide and pasireotide. <b>2016</b> , 18, 24437-50	6
364	Polyester Carriers for Enzyme Delivery. <b>2016</b> , 675-707	
363	Green biosynthesis of gold nanoparticles by onion peel extract: Synthesis, characterization and biological activities. <b>2016</b> , 27, 2204-2213	60
	Dorbin mediated and accomplished industry to the control of the co	
362	Pectin mediated gold nanoparticles induces apoptosis in mammary adenocarcinoma cell lines. <b>2016</b> , 93, 1030-1040	46
362 361		46 2
	, 93, 1030-1040  GreenBeed-mediated synthesis and morphology of Au nanoparticles using ⊯cyclodextrin. <b>2016</b> ,	
361	, 93, 1030-1040  ☐reen ☐seed-mediated synthesis and morphology of Au nanoparticles using €cyclodextrin. 2016, 49, 45-51  N-Heterocyclic Carbene Ligands for Au Nanocrystal Stabilization and Three-Dimensional	2
361 360	©reen Beed-mediated synthesis and morphology of Au nanoparticles using €cyclodextrin. 2016, 49, 45-51  N-Heterocyclic Carbene Ligands for Au Nanocrystal Stabilization and Three-Dimensional Self-Assembly. 2016, 32, 7683-96	2 47
361 360 359	© Green Beed-mediated synthesis and morphology of Au nanoparticles using Eyclodextrin. 2016, 49, 45-51  N-Heterocyclic Carbene Ligands for Au Nanocrystal Stabilization and Three-Dimensional Self-Assembly. 2016, 32, 7683-96  Recent progress in protein-protein interaction study for EGFR-targeted therapeutics. 2016, 13, 817-32	2 47 10
361 360 359 358	GreenBeed-mediated synthesis and morphology of Au nanoparticles using Eyclodextrin. 2016, 49, 45-51  N-Heterocyclic Carbene Ligands for Au Nanocrystal Stabilization and Three-Dimensional Self-Assembly. 2016, 32, 7683-96  Recent progress in protein-protein interaction study for EGFR-targeted therapeutics. 2016, 13, 817-32  Microscopic mechanism of thermomolecular orientation and polarization. 2016, 12, 8661-8665	2 47 10
361 360 359 358 357	©reenBeed-mediated synthesis and morphology of Au nanoparticles using ₱yclodextrin. 2016, 49, 45-51  N-Heterocyclic Carbene Ligands for Au Nanocrystal Stabilization and Three-Dimensional Self-Assembly. 2016, 32, 7683-96  Recent progress in protein-protein interaction study for EGFR-targeted therapeutics. 2016, 13, 817-32  Microscopic mechanism of thermomolecular orientation and polarization. 2016, 12, 8661-8665  A Salmonella nanoparticle mimic overcomes multidrug resistance in tumours. 2016, 7, 12225  Synthesis and characterization of uncoated and cysteamine-coated gold nanoparticles by pulsed	2 47 10 10 45

353	Plasmonic photothermic directed broadband sunlight harnessing for seawater catalysis and desalination. <b>2016</b> , 9, 3151-3160	222
352	Two-dimensional non-carbonaceous materials-enabled efficient photothermal cancer therapy.  Nano Today, <b>2016</b> , 11, 292-308	169
351	Enzyme catalysis enhanced dark-field imaging as a novel immunohistochemical method. <b>2016</b> , 8, 8553-8	14
350	Characterization of Gold-Sputtered Zinc Oxide Nanorods-a Potential Hybrid Material. <b>2016</b> , 11, 31	27
349	Enhanced absorption and fluorescence of gold nanoclusters using initial alkali concentrations. <b>2016</b> , 9, 022001	6
348	Surface capping and size-dependent toxicity of gold nanoparticles on different trophic levels. <b>2016</b> , 23, 4844-58	51
347	Facile, tunable, and SERS-enhanced HEPES gold nanostars. <b>2016</b> , 6, 29669-29673	30
346	Deposition of thin composite films consisting of fluoropolymer and silver nanoparticles having surface plasmon resonance. <b>2016</b> , 603, 313-316	12
345	Shape-dependent internalization kinetics of nanoparticles by membranes. <b>2016</b> , 12, 2632-41	61
344	Nematic liquid crystals used to control photo-thermal effects in gold nanoparticles. 2016,	2
343	Thermal Transport across Surfactant Layers on Gold Nanorods in Aqueous Solution. <b>2016</b> , 8, 10581-9	32
342	Immobilization of Cryptophane Derivatives onto Fe2O3 CoreShell Magnetic Nanoparticles. <b>2016</b> , 120, 6583-6590	6
341	Gold Nanostructures for Cancer Imaging and Therapy. <b>2016</b> , 53-101	4
340	Laser induced morphological and optical properties changes in Au doped aluminum oxide and silicon oxide thin films. <b>2016</b> , 79, 179-187	4
339	Hybrid polymeric nano-capsules loaded with gold nanoclusters and indocyanine green for dual-modal imaging and photothermal therapy. <b>2016</b> , 4, 910-919	35
338	Surface engineered gold nanoparticles through highly stable metal-surfactant complexes. <b>2016</b> , 464, 110-6	4
337	Gold-Based Nanomaterials for Applications in Nanomedicine. <b>2016</b> , 370, 169-202	43
336	Ru(II)-polypyridyl surface functionalised gold nanoparticles as DNA targeting supramolecular structures and luminescent cellular imaging agents. <b>2016</b> , 8, 563-74	27

335	Functionalized gold nanoparticles improve afatinib delivery into cancer cells. <b>2016</b> , 13, 133-41	24
334	Nanostructured bioluminescent sensor for rapidly detecting thrombin. <b>2016</b> , 77, 83-9	21
333	Small gold nanorods laden macrophages for enhanced tumor coverage in photothermal therapy. <b>2016</b> , 74, 144-54	209
332	The Viscosity of Nanofluids: A Review of the Theoretical, Empirical, and Numerical Models. <b>2016</b> , 37, 387-421	139
331	Gold nanoparticles as efficient sensors in colorimetric detection of toxic metal ions: A review. <b>2017</b> , 238, 888-902	358
330	Photoreductive synthesis of monodispersed Au nanoparticles with citric acid as reductant and surface stabilizing reagent. <b>2017</b> , 7, 6187-6192	21
329	Diameter effect of gold nanoparticles on photothermal conversion for solar steam generation. <b>2017</b> , 7, 4815-4824	83
328	High-Performance Large-Scale Solar Steam Generation with Nanolayers of Reusable Biomimetic Nanoparticles. <b>2017</b> , 1, 1600013	109
327	Synthesis and characterization of gold nanostructured Chorin e6 for Photodynamic Therapy. <b>2017</b> , 18, 6-11	23
326	Shape tunable synthesis of anisotropic gold nanostructures through binary surfactant mixtures. <b>2017</b> , 3, 1-9	17
325	Fluorescent Gold Nanoclusters as a Powerful Tool for Sensing Applications in Cancer Management. <b>2017</b> , 385-428	2
324	Smuggling gold nanoparticles across cell types - A new role for exosomes in gene silencing. <b>2017</b> , 13, 1389-1398	39
323	Surface Plasmon Resonance Damping in Spheroidal Metal Particles: Quantum Confinement, Shape, and Polarization Dependences. <b>2017</b> , 121, 5693-5708	13
322	Polymer decorated gold nanoparticles in nanomedicine conjugates. <b>2017</b> , 249, 386-399	47
321	Core-Shell Nanoparticle-Enhanced Raman Spectroscopy. <b>2017</b> , 117, 5002-5069	577
320	Engineering Localized Surface Plasmon Interactions in Gold by Silicon Nanowire for Enhanced Heating and Photocatalysis. <b>2017</b> , 17, 1839-1845	43
319	Nanomedicine. <b>2017</b> , 71-92	
318	Epitaxy of the bound water phase on hydrophilic surfaces of biopolymers as key mechanism of microwave radiation effects on living objects. <b>2017</b> , 154, 40-47	3

317	Biological effects of amphiphilic copolymer nanoparticle-encapsulated multi-target chemotherapeutic drugs on MCF-7 human breast cancer cells. <b>2017</b> , 13, 1	2
316	Surface plasmon resonance in gold nanoparticles: a review. <b>2017</b> , 29, 203002	686
315	Creation of large, periodic temperature gradient via plasmonic heating from mesoscopic planar lattice of metal domains. <b>2017</b> , 118, 247-258	1
314	Chitosan stabilized gold nanoparticle based electrochemical ractopamine immunoassay. <b>2017</b> , 184, 2919-292	4 22
313	Synthesis of core-shell single-layer MoS sheathing gold nanoparticles, AuNP@1L-MoS. <b>2017</b> , 28, 24LT03	19
312	Applications of deep eutectic solvents in biotechnology and bioengineering-Promises and challenges. <b>2017</b> , 35, 105-134	239
311	The sodium tungsten bronzes as plasmonic materials: fabrication, calculation and characterization. <b>2017</b> , 4, 065703	19
310	Bioinorganic antimicrobial strategies in the resistance era. <b>2017</b> , 351, 76-117	86
309	Efficient end-to-end assembly of gold nanorods via cyclodextrin-bisphenol A based supramolecular linker. <b>2017</b> , 144, 168-172	7
308	Enhanced targeting of invasive glioblastoma cells by peptide-functionalized gold nanorods in hydrogel-based 3D cultures. <b>2017</b> , 58, 12-25	30
307	Au-CuSe heterogeneous nanocrystals for efficient photothermal heating for cancer therapy. <b>2017</b> , 5, 4934-4942	28
306	Isosbestic Thermoplasmonic Nanostructures. <b>2017</b> , 4, 1544-1551	10
305	Dual-labelled immunoassay with goldmag nanoparticles and quantum dots for quantification of casein in milk. <b>2017</b> , 28, 1105-1115	9
304	The Ultrafast Laser Pump-Probe Technique for Thermal Characterization of Materials With Micro/Nanostructures. <b>2017</b> , 21, 177-198	37
303	Adverse Effects of Polymer Coating on Heat Transport at the SolidLiquid Interface. <b>2017</b> , 121, 13474-13480	5
302	Terahertz plasmonic excitations in BiSe topological insulator. <b>2017</b> , 29, 183002	12
301	Gold nanoshell-based betulinic acid liposomes for synergistic chemo-photothermal therapy. <b>2017</b> , 13, 1891-1900	57
300	Diverse Applications of Nanomedicine. <b>2017</b> , 11, 2313-2381	714

## (2017-2017)

299	Therapeutic effects of gold nanoparticles synthesized using Musa paradisiaca peel extract against multiple antibiotic resistant Enterococcus faecalis biofilms and human lung cancer cells (A549).  2017, 102, 173-183	71
298	Keimvermitteltes Wachstum kolloidaler Metallnanokristalle. <b>2017</b> , 129, 60-98	55
297	Design of a low-cost equipment for optical hyperthermia. <b>2017</b> , 255, 61-70	4
296	Noninvasive photothermal cancer therapy nanoplatforms via integrating nanomaterials and functional polymers. <b>2017</b> , 5, 190-210	130
295	Seed-Mediated Growth of Colloidal Metal Nanocrystals. <b>2017</b> , 56, 60-95	428
294	Individual Au-Nanocube Based Plasmonic Nanoprobe for Cancer Relevant MicroRNA Biomarker Detection. <b>2017</b> , 2, 1435-1440	40
293	Temperature dynamics of laser irradiated gold nanoparticles embedded in a polymer matrix. <b>2017</b> , 656, 25-31	4
292	Size dependent targeted delivery of gold nanoparticles modified with the IL-6R-specific aptamer AIR-3A to IL-6R-carrying cells. <b>2017</b> , 9, 14486-14498	18
291	Flexible room-temperature resistive humidity sensor based on silver nanoparticles. <b>2017</b> , 4, 085038	21
290	Thermochromism, a perspective of light to heat conversion mediated by metal nanoparticles. <b>2017</b> , 649, 38-44	O
289	Plasmonic Nano-Oven by Concatenation of Multishell Photothermal Enhancement. <b>2017</b> , 11, 7915-7924	27
288	Ultrafast Synthesis of Ultrasmall Poly(Vinylpyrrolidone)-Protected Bismuth Nanodots as a Multifunctional Theranostic Agent for In Vivo Dual-Modal CT/Photothermal-Imaging-Guided Photothermal Therapy. <b>2017</b> , 27, 1702018	157
287	Nanomaterial applications for neurological diseases and central nervous system injury. <b>2017</b> , 157, 29-48	29
286	Engineering gold-based radiosensitizers for cancer radiotherapy. <b>2017</b> , 4, 817-831	132
285	Light energy transformation over a few nanometers. <b>2017</b> , 50, 375601	7
284	Synthesis of pure and biocompatible gold nanoparticles using laser ablation method for SERS and photothermal applications. <b>2017</b> , 17, 1430-1438	21
283	Plasmon Generation through Electron Tunneling in Graphene. <b>2017</b> , 4, 2367-2375	34
282	Synthesis of Au Nanoparticles with Benzoic Acid as Reductant and Surface Stabilizer Promoted Solely by UV Light. <b>2017</b> , 33, 13797-13804	18

281	Enhancement of the thermo-optical response of silver nanoparticles due to surface plasmon resonance. <b>2017</b> , 122, 163108	2
280	Gold nanostructures deposition by laser ablation in air using nano- and femtosecond laser pulses. <b>2017</b> , 123, 1	7
279	Self-Magnetism of Skin Effect as a Function of Nanoparticle Diameter on Absorption Frequency. <b>2017</b> , 12, 1523-1528	
278	Giant Thermal Magnetoresistance in Plasmonic Structures. <b>2017</b> , 118, 173902	58
277	Zwitterionic Temperature/Redox-Sensitive Nanogels for Near-Infrared Light-Triggered Synergistic Thermo-Chemotherapy. <b>2017</b> , 9, 23564-23573	38
276	New ideally absorbing Au plasmonic nanostructures for biomedical applications. <b>2017</b> , 187, 54-61	17
275	Biological synthesis and antimicrobial activity of nano silver using Hypericum scabrum seed extract. <b>2017</b> , 47, 870-875	2
274	Nonlinear plasmonic imaging techniques and their biological applications. <b>2017</b> , 6, 31-49	20
273	Toward biomaterial-based implantable photonic devices. <b>2017</b> , 6, 414-434	36
272	Recent advances in plant-mediated engineered gold nanoparticles and their application in biological system. <b>2017</b> , 40, 10-23	125
271	Conspectus on Nanotechnology in Oral Cancer Diagnosis and Treatment. <b>2017</b> , 31-49	1
<b>27</b> 1 <b>27</b> 0	Conspectus on Nanotechnology in Oral Cancer Diagnosis and Treatment. <b>2017</b> , 31-49  Gold nanostructures: preparation, properties, application in SERS, and biophotonics. <b>2017</b> , 457-496	1
·		68
270	Gold nanostructures: preparation, properties, application in SERS, and biophotonics. <b>2017</b> , 457-496  Toxicity Effects of Functionalized Quantum Dots, Gold and Polystyrene Nanoparticles on Target	
270	Gold nanostructures: preparation, properties, application in SERS, and biophotonics. <b>2017</b> , 457-496  Toxicity Effects of Functionalized Quantum Dots, Gold and Polystyrene Nanoparticles on Target Aquatic Biological Models: A Review. <b>2017</b> , 22,  Aqueous-Organic Phase Transfer of Gold and Silver Nanoparticles Using Thiol-Modified Oleic Acid.	68
270 269 268	Gold nanostructures: preparation, properties, application in SERS, and biophotonics. <b>2017</b> , 457-496  Toxicity Effects of Functionalized Quantum Dots, Gold and Polystyrene Nanoparticles on Target Aquatic Biological Models: A Review. <b>2017</b> , 22,  Aqueous-Organic Phase Transfer of Gold and Silver Nanoparticles Using Thiol-Modified Oleic Acid. <b>2017</b> , 7, 273	68
<ul><li>270</li><li>269</li><li>268</li><li>267</li></ul>	Gold nanostructures: preparation, properties, application in SERS, and biophotonics. 2017, 457-496  Toxicity Effects of Functionalized Quantum Dots, Gold and Polystyrene Nanoparticles on Target Aquatic Biological Models: A Review. 2017, 22,  Aqueous-Organic Phase Transfer of Gold and Silver Nanoparticles Using Thiol-Modified Oleic Acid. 2017, 7, 273  Green Synthesis of Metallic and Carbon Nanostructures. 2017,	68 15

# (2018-2018)

263	Highly Stable Conjugated Polymer Dots as Multifunctional Agents for Photoacoustic Imaging-Guided Photothermal Therapy. <b>2018</b> , 10, 7012-7021	46
262	Photothermal Circular Dichroism Induced by Plasmon Resonances in Chiral Metamaterial Absorbers and Bolometers. <b>2018</b> , 18, 2001-2008	61
261	Engineering Gold Nanorod-Copper Sulfide Heterostructures with Enhanced Photothermal Conversion Efficiency and Photostability. <i>Small</i> , <b>2018</b> , 14, e1703077	68
260	Two-color dark-field (TCDF) microscopy for metal nanoparticle imaging inside cells. <b>2018</b> , 10, 4019-4027	9
259	Thermoplasmonic Ignition of Metal Nanoparticles. <b>2018</b> , 18, 1699-1706	20
258	Gold nanospheres enhanced photothermal therapy in a rat model. <b>2018</b> , 50, 669	4
257	Light-Activatable Theranostic Agents for Image-Monitored Controlled Drug Delivery. 2018, 10, 1534-1543	11
256	Microfluidic Synthesis of Ultrasmall AuPd Nanoparticles with a Homogeneously Mixed Alloy Structure in Fast Continuous Flow for Catalytic Applications. <b>2018</b> , 122, 1721-1731	25
255	Nanotechnology based approaches for detection and delivery of microRNA in healthcare and crop protection. <b>2018</b> , 16, 40	42
254	Exploring the DNA damaging potential of chitosan and citrate-reduced gold nanoparticles: Physicochemical approach. <b>2018</b> , 115, 801-810	19
253	Cold Atmospheric Plasma Induces ATP-Dependent Endocytosis of Nanoparticles and Synergistic U373MG Cancer Cell Death. <b>2018</b> , 8, 5298	35
252	A newly synthesized Au/GO-Co3O4 composite effectively inhibits the replication of tetracycline resistance gene in water. <b>2018</b> , 345, 462-470	18
251	Composite-dissolving microneedle patches for chemotherapy and photothermal therapy in superficial tumor treatment. <b>2018</b> , 6, 1414-1423	69
250	Flow patterns of oilwater two-phase flow during pressure-driven process in nanoscale fluidic chips. <b>2018</b> , 22, 1	8
249	Modular peptide-functionalized gold nanorods for effective glioblastoma multicellular tumor spheroid targeting. <b>2018</b> , 6, 1140-1146	15
248	Transferrin modified ruthenium nanoparticles with good biocompatibility for photothermal tumor therapy. <b>2018</b> , 511, 325-334	25
247	Improving the stability of chondroitinase ABC I via interaction with gold nanorods. 2018, 107, 297-304	5
246	Concomitant Organization of Fluorescent Dyes and Au Nanoparticles in Spin-Coated Films of Diblock Copolymer Micelles. <b>2018</b> , 26, 182-186	1

245	Bench-to-bedside translation of dendrimers: Reality or utopia? A concise analysis. <b>2018</b> , 136-137, 73-81	37
244	Multimodal bioimaging based on gold nanorod and carbon dot nanohybrids as a novel tool for atherosclerosis detection. <b>2018</b> , 11, 1262-1273	29
243	Annealing effect of gold thin films on the light output performances of organic light emitting diodes. <b>2018</b> , 42, 1-12	1
242	Measurement and multilayer model of cooling of gold nanoparticles: Transient thermoreflectance experiments and multilayer analytical modeling. <b>2018</b> , 124, 144301	3
241	Neuronal photoactivation through second-harmonic near-infrared absorption by gold nanoparticles. <b>2018</b> , 7, 100	17
240	Synthesis of nanostructures using charged nanoparticles spontaneously generated in the gas phase during chemical vapor deposition. <b>2018</b> , 51, 463002	10
239	A sea cucumber-like nanoporous TiO2 modified by bimetal Pt Au through the dealloying for water splitting. <b>2018</b> , 43, 18850-18862	10
238	Rare-earth fluorescence thermometry of laser-induced plasmon heating in silver nanoparticles arrays. <b>2018</b> , 8, 13811	5
237	Some Aspects of Seedless Synthesis of Gold Nanorods. <b>2018</b> , 80, 541-549	9
236	Thermoresponsive gels containing gold nanoparticles as smart antibacterial and wound healing agents. <b>2018</b> , 8, 13674	97
235	Role of advanced nanomaterials in biosensing. <b>2018</b> , 201-227	
234	The Study of the Activation of Antibacterial Activity of Silver Nanoparticles by Laser Radiation. <b>2018</b> ,	
233	Multifunctional Nanoplatform Based on pH-responsive Micelle Coated with Discontinuous Gold	5
	Shell for Cancer Photothermo-chemotherapy and Photoacoustic Tomography. <b>2018</b> , 36, 1139-1149	
232	Emancipating Target-Functionalized Carbon Dots from Autophagy Vesicles for a Novel Visualized Tumor Therapy. <b>2018</b> , 28, 1800881	75
232	Emancipating Target-Functionalized Carbon Dots from Autophagy Vesicles for a Novel Visualized	
	Emancipating Target-Functionalized Carbon Dots from Autophagy Vesicles for a Novel Visualized Tumor Therapy. <b>2018</b> , 28, 1800881  Glycosylated zinc phthalocyanine-gold nanoparticle conjugates for photodynamic therapy: Effect of	75
231	Emancipating Target-Functionalized Carbon Dots from Autophagy Vesicles for a Novel Visualized Tumor Therapy. 2018, 28, 1800881  Glycosylated zinc phthalocyanine-gold nanoparticle conjugates for photodynamic therapy: Effect of nanoparticle shape. 2018, 203, 85-95	75 20

## (2019-2018)

227	Bifunctional aptasensor based on novel two-dimensional nanocomposite of MoS quantum dots and g-CN nanosheets decorated with chitosan-stabilized Au nanoparticles for selectively detecting prostate specific antigen. <b>2018</b> , 1036, 121-132		53
226	Dynamical Behavior of Somatostatin-14 and Its Cyclic Analogues as Analyzed in Bulk and on Plasmonic Silver Nanoparticles. <b>2018</b> , 112, 81-121		7
225	Theoretical investigation of the structures of unsupported 38-atom CuPt clusters. 2018, 91, 1		7
224	Tracking the effect of binder length on colloidal stability and bioconjugation of gold nanoparticles. <b>2018</b> , 8, 1781-1790		1
223	Harnessing magnetic dipole resonance in novel dielectric nanomaterials. 2018, 10, 16102-16106		1
222	Plasmonic hybridization between two metallic nanorods. <b>2018</b> , 172, 1069-1078		16
221	Photothermal Engineering of Graphene Plasmons. <b>2018</b> , 121, 057404		15
220	Spectroscopy of gold atoms and gold oligomers in helium nanodroplets. <b>2018</b> , 149, 024305		9
219	A goldDhitosan composite with low symmetry zinc phthalocyanine for enhanced singlet oxygen generation and improved photodynamic therapy activity. <b>2018</b> , 42, 10214-10225		14
218	Hemoglobin-driven iron-directed assembly of gold nanoparticles <b>2018</b> , 8, 15675-15686		11
217	Ultrasensitive and highly selective FRET aptasensor for Hg2+ measurement in fish samples using carbon dots/AuNPs as donor/acceptor platform. <b>2018</b> , 42, 16027-16035		18
216	Hill nano-thermodynamics is equivalent with Gibbs thermodynamics for surfaces of constant curvatures. <b>2018</b> , 707, 40-43		15
215	Fabrication of gold-coated silica nanorods for photothermal therapy based on phase separation of polymer blends. <b>2018</b> , 394, 022056		
214	Engineered nanomaterials for their applications in theragnostics. 2018, 66, 20-28		8
213	Metal-Coupled Fluorescence Resonance Energy Transfer in Layer-by-Layer Assemblies for Dual Modality Fluorescence Enhancement. <b>2018</b> , 219, 1800115		7
212	Synthesis and Characterization of Gold-Silver Nanoparticles in Deionized Water by Pulsed Laser Ablation (PLAL) Technique at Different Laser Parameter. <b>2019</b> , 18, 1850015		4
211	Gold nanoparticles immobilized on single-layer ±irconium phosphate nanosheets as a highly effective heterogeneous catalyst. <b>2019</b> , 2, 520-529		12
210	Hybrid surfaces active in catalysis based on gold nanoparticles modified with redox-active pendants and polymer brushes. <i>Applied Surface Science</i> , <b>2019</b> , 496, 143598	6.7	7

209	Ag2[email͡protected]2 Heterostructure for Rapid Bacteria-Killing Using Near-Infrared Light. <b>2019</b> , 7, 14982-14990	44
208	Purification of transferrin by magnetic nanoparticles and conjugation with cysteine capped gold nanoparticles for targeting diagnostic probes. <b>2019</b> , 49, 961-973	7
207	Green synthesis of polysaccharide-based inorganic nanoparticles and biomedical aspects. <b>2019</b> , 267-304	3
206	Synthesis of GO-Fe3O4-PANI nanocomposite with excellent NIR absorption property. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 578, 123623	16
205	Plasmonic Photothermal Nanoparticles for Biomedical Applications. <b>2019</b> , 6, 1900471	206
204	Synthesis and characterization of gold nanoparticles from and its anticancer activity of liver cancer HepG2 cells. <b>2019</b> , 47, 3029-3036	15
203	Polycarbonate Nanoparticles as a Promising Tool for Anticancer Therapeutics. <b>2019</b> , 147-166	2
202	Mesoporous gold nanoparticles for photothermal controlled anticancer drug delivery. <b>2019</b> , 14, 1443-1454	10
201	Green and Facile Synthesis of Dendritic and Branched Gold Nanoparticles by Gelatin and Investigation of Their Biocompatibility on Fibroblast Cells. <b>2019</b> , 7, 631	3
200	Surface plasmons in metamaterial heterostructures. <b>2019</b> , 1-12	3
200 199	Surface plasmons in metamaterial heterostructures. 2019, 1-12  Metal-enhanced fluorescence in polymer composite films with Au@Ag@SiO nanoparticles and InP@ZnS quantum dots 2018, 9, 224-233	3
	Metal-enhanced fluorescence in polymer composite films with Au@Ag@SiO nanoparticles and	
199	Metal-enhanced fluorescence in polymer composite films with Au@Ag@SiO nanoparticles and InP@ZnS quantum dots <b>2018</b> , 9, 224-233	12
199 198	Metal-enhanced fluorescence in polymer composite films with Au@Ag@SiO nanoparticles and InP@ZnS quantum dots <b>2018</b> , 9, 224-233  Plasmon-induced optical control over dithionite-mediated chemical redox reactions. <b>2019</b> , 214, 455-463  Core-shell noble-metal@zeolitic-imidazolate-framework nanocarriers with high cancer treatment	12
199 198 197	Metal-enhanced fluorescence in polymer composite films with Au@Ag@SiO nanoparticles and InP@ZnS quantum dots 2018, 9, 224-233  Plasmon-induced optical control over dithionite-mediated chemical redox reactions. 2019, 214, 455-463  Core-shell noble-metal@zeolitic-imidazolate-framework nanocarriers with high cancer treatment efficiency in vitro. 2019, 7, 1050-1055  Gold nanoparticle surface engineering strategies and their applications in biomedicine and	12 8 9
199 198 197	Metal-enhanced fluorescence in polymer composite films with Au@Ag@SiO nanoparticles and InP@ZnS quantum dots 2018, 9, 224-233  Plasmon-induced optical control over dithionite-mediated chemical redox reactions. 2019, 214, 455-463  Core-shell noble-metal@zeolitic-imidazolate-framework nanocarriers with high cancer treatment efficiency in vitro. 2019, 7, 1050-1055  Gold nanoparticle surface engineering strategies and their applications in biomedicine and diagnostics. 2019, 9, 57  Trends in Cr3+ red emissions from ZnGa2O4 nanostructures produced by pulsed laser ablation in a	12 8 9 68
199 198 197 196	Metal-enhanced fluorescence in polymer composite films with Au@Ag@SiO nanoparticles and InP@ZnS quantum dots 2018, 9, 224-233  Plasmon-induced optical control over dithionite-mediated chemical redox reactions. 2019, 214, 455-463  Core-shell noble-metal@zeolitic-imidazolate-framework nanocarriers with high cancer treatment efficiency in vitro. 2019, 7, 1050-1055  Gold nanoparticle surface engineering strategies and their applications in biomedicine and diagnostics. 2019, 9, 57  Trends in Cr3+ red emissions from ZnGa2O4 nanostructures produced by pulsed laser ablation in a liquid medium. 2019, 129, 413-423  Functionalized Gold Nanoparticles as Contrast Agents for Proton and Dual Proton/Fluorine MRI.	12 8 9 68 7

191	Damage on Escherichia coli and Staphylococcus aureus using white light photoactivation of Au and Ag nanoparticles. <b>2019</b> , 125, 213102	5
190	Helium nanodroplet assisted synthesis of bimetallic Ag@Au nanoparticles with tunable localized surface plasmon resonance. <b>2019</b> , 73, 1	5
189	ZnO nanorods decorated with nanocrystalline (nc) Au Particles:Electronic structure and magnetic behaviours. <b>2019</b> , 797, 74-82	4
188	Encapsulation of Gold Nanorods with Porphyrins for the Potential Treatment of Cancer and Bacterial Diseases: A Critical Review. <b>2019</b> , 2019, 7147128	15
187	Optical Measurements of Three-Dimensional Microscopic Temperature Distributions Around Gold Nanorods Excited by Localized Surface Plasmon Resonance. <b>2019</b> , 11,	6
186	Antimicrobial Effects of Chemically Functionalized and/or Photo-Heated Nanoparticles. <i>Materials</i> , <b>2019</b> , 12,	13
185	Biodistribution, Excretion, and Toxicity of Inorganic Nanoparticles. <b>2019</b> , 3-26	7
184	Aqueous synthesis of highly monodisperse sub-100 nm AgCl nanospheres/cubes and their plasmonic nanomesh replicas as visible-light photocatalysts and single SERS probes. <b>2019</b> , 30, 295604	5
183	Nanocoatings: Preparation, Properties, and Biomedical Applications. <b>2019</b> , 299-331	2
182	Metallic Nanoparticle Inks for 3D Printing of Electronics. <b>2019</b> , 5, 1800831	92
181	Morphology-Controlled Versatile One-Pot Synthesis of Hydrophobic Gold Nanodots, Nanobars, Nanorods, and Nanowires and Their Applications in Surface-Enhanced Raman Spectroscopy. <b>2019</b> , 9, 935	3
180	Control of Silver Coating on Raman Label Incorporated Gold Nanoparticles Assembled Silica Nanoparticles. <b>2019</b> , 20,	15
179	Exothermic Behavior of Cyanine Dye-Containing Polymer Micelle Irradiated by Near Infrared (NIR) in Water. <b>2019</b> , 76, 52-60	
178	Heteroassociation of antitumor agent doxorubicin with bovine serum albumin in the presence of gold nanoparticles. <b>2019</b> , 284, 633-638	5
177	Nonlinear refractive index measurement of a trapped particle with ShackHartmann wavefront sensor. <b>2019</b> , 444, 154-159	1
176	Plasmon-enhanced lightfhatter interactions and applications. <b>2019</b> , 5,	176
175	A novel theranostic system of AS1411 aptamer-functionalized albumin nanoparticles loaded on iron oxide and gold nanoparticles for doxorubicin delivery. <b>2019</b> , 564, 145-152	40
174	Dual-response CuS@MnO nanoparticles with activatable CT/MR-enhanced imaging guided photothermal therapy <b>2019</b> , 9, 2718-2730	10

173	Insights into direct plasmon-activated eletrocatalysis on gold nanostar via efficient photothermal effect and reduced activation energy. <b>2019</b> , 301, 359-365	20
172	DNA-Based Hydrogels Loaded with Au Nanoparticles or Au Nanorods: Thermoresponsive Plasmonic Matrices for Shape-Memory, Self-Healing, Controlled Release, and Mechanical Applications. <b>2019</b> , 13, 3424-3433	71
171	Understanding plasmon coupling in nanoparticle dimers using molecular orbitals and configuration interaction. <b>2019</b> , 21, 23065-23075	6
170	Spectral Surface Integral Equation Method for Plasmonic Nanostructures. <b>2019</b> ,	
169	Synthesis of Long-Term Stable Gold Nanoparticles Benefiting from Red Raspberry (), Strawberry (), and Blackberry () Extracts-Gold Ion Complexation and Investigation of Reaction Conditions. <b>2019</b> , 4, 18637-	18644
168	Marine Waste Utilization as a Source of Functional and Health Compounds. <b>2019</b> , 87, 187-254	33
167	Evaluation of anticancer effects of cerium oxide nanoparticles on mouse fibrosarcoma cell line. <b>2019</b> , 234, 4987-4996	47
166	Development of nanoparticulate systems with action in breast and ovarian cancer: nanotheragnostics. <b>2019</b> , 27, 732-741	6
165	Self-assembly of Janus Dumbbell Nanocrystals and Their Enhanced Surface Plasmon Resonance. <b>2019</b> , 19, 1587-1594	45
164	Thermo-orientation in fluids of arbitrarily shaped particles. <b>2018</b> , 21, 104-113	5
163	The role of the symmetry on the electromagnetic properties of the graphene plasmonic trimer. <b>2019</b> , 181, 301-307	
162	Transition metal nanoparticles in ionic liquids: Synthesis and stabilization. <b>2019</b> , 276, 826-849	46
161	Light-responsive nanomedicine for biophotonic imaging and targeted therapy. <b>2019</b> , 138, 133-147	72
160	Combination Strategies for Targeted Delivery of Nanoparticles for Cancer Therapy. <b>2019</b> , 191-219	5
159	Cancer-Targeting Graphene Quantum Dots: Fluorescence Quantum Yields, Stability, and Cell Selectivity. <b>2019</b> , 29, 1805860	39
158	Negative photoconductivity of WS2 nanosheets decorated with Au nanoparticles via electron-beam irradiation. <b>2019</b> , 106, 45-49	12
157	Polymer Composites With Metal Nanoparticles: Synthesis, Properties, and Applications. 2019, 249-286	14
156	Graphene Quantum Dots-Coated Bismuth Nanoparticles for Improved CT Imaging and Photothermal Performance. <b>2020</b> , 19, 1850043	10

155	Cancer signaling by plasmonic quantum probes. <b>2020</b> , 18, 100465	1
154	Stimuliresponsive, auf Biomoleklen basierende Hydrogele und ihre Anwendungen. <b>2020</b> , 132, 15458-15496	10
153	Stimuli-Responsive Biomolecule-Based Hydrogels and Their Applications. <b>2020</b> , 59, 15342-15377	110
152	Optical scattering investigation of a nonabsorbent silicon nanoparticles array. <b>2020</b> , 201, 163477	
151	Construction of Bi/phthalocyanine manganese nanocomposite for trimodal imaging directed photodynamic and photothermal therapy mediated by 808 nm light. <b>2020</b> , 228, 119569	70
150	Synthesis of gold-silica core-shell nanoparticles by pulsed laser ablation in liquid and their physico-chemical properties towards photothermal cancer therapy. <b>2020</b> , 12, 3007-3018	28
149	Label-free fluorescence DNA walker for protein analysis based on terminal protection and dual enzyme assisted cleavage induced G-quadruplex/berberine conformation. <b>2019</b> , 145, 46-51	6
148	FRET-based nucleic acid probes: Basic designs and applications in bioimaging. <b>2020</b> , 124, 115784	15
147	Treating tumors with minimally invasive therapy: A review. <b>2020</b> , 108, 110198	11
146	Theoretical Investigation of Plasmonic Properties of Quantum-Sized Silver Nanoparticles. <b>2020</b> , 15, 783-795	11
145	Boronate affinity material-based sensors for recognition and detection of glycoproteins. <b>2020</b> , 145, 7511-752	<b>7</b> 9
144	Recent development of amorphous metal coordination polymers for cancer therapy. <b>2020</b> , 116, 16-31	11
143	Fe3O4@Au/reduced graphene oxide nanostructures: Combinatorial effects of radiotherapy and photothermal therapy on oral squamous carcinoma KB cell line. <b>2020</b> , 46, 28676-28685	13
142	A concise review of metallic nanoparticles encapsulation methods and their potential use in anticancer therapy and medicine. <b>2020</b> , 154, 153-165	11
141	Synthesis and Characterization of Graphene Oxide and Reduced Graphene Oxide Composites with Inorganic Nanoparticles for Biomedical Applications. <i>Nanomaterials</i> , <b>2020</b> , 10,	19
140	Poly (Vinyl Alcohol) Assisted Synthesis and Anti-Solvent Precipitation of Gold Nanoparticles.  Nanomaterials, <b>2020</b> , 10,  5-4	6
139	Thermal manipulation of plasmons in atomically thin films. <b>2020</b> , 9, 87	14
138	Controlled reversible assembly of gold nanoparticles as a new colorimetric and sensitive detection of glucose-6-phosphate dehydrogenase deficiency. <b>2020</b> , 1122, 61-69	2

137	How can the visible spectra describe interaction of nanoparticles with microbes. 2020,		O
136	Suitable Polymeric Coatings to Avoid Localized Surface Plasmon Resonance Hybridization in Printed Patterns of Photothermally Responsive Gold Nanoinks. <b>2020</b> , 25,		3
135	Effect of electrical discharge plasma on cytotoxicity against cancer cells of N,O-carboxymethyl chitosan-stabilized gold nanoparticles. <i>Carbohydrate Polymers</i> , <b>2020</b> , 237, 116162	10.3	7
134	Gold nanoparticle clusters for the investigation of therapeutic efficiency against prostate cancer under near-infrared irradiation. <b>2020</b> , 7, 5		17
133	Biocompatible AuPd@PVP core-shell nanoparticles for enhancement of radiosensitivity and photothermal cancer therapy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 594, 124652	5.1	10
132	Light Energy Conversion Surface with Gold Dendritic Nanoforests/Si Chip for Plasmonic Polymerase Chain Reaction. <b>2020</b> , 20,		2
131	Quantum Leap from Gold and Silver to Aluminum Nanoplasmonics for Enhanced Biomedical Applications. <b>2020</b> , 10, 4210		9
130	Nanomaterial-based biosensors for sensing key foodborne pathogens: Advances from recent decades. <b>2020</b> , 19, 1465-1487		30
129	Hyaluronic acid-coated gold nanorods enhancing BMP-2 peptide delivery for chondrogenesis. <b>2020</b> , 31, 435101		6
128	Stimuli-responsive nanoparticle-assisted immunotherapy: a new weapon against solid tumours. <b>2020</b> , 8, 1823-1840		18
127	Preserving Plasmonic Nanostructures from Laser-Induced Deactivation by a Protective Dielectric Shell. <b>2020</b> , 124, 6385-6394		1
126	Citrate adsorption on gold: Understanding the shaping mechanism of nanoparticles. <b>2020</b> , 875, 114015		4
125	Nanosphere lithography: the effect of chemical etching and annealing sequence on the shape and spectrum of nano-metal arrays. <b>2020</b> , 6, e03382		4
124	Surface-enhanced spatially-offset Raman spectroscopy (SESORS) for detection of neurochemicals through the skull at physiologically relevant concentrations. <b>2020</b> , 145, 1885-1893		20
123	Review of Experimental Setups for Plasmonic Photocatalytic Reactions. <b>2020</b> , 10, 46		15
122	Novel marine DS013 mediated silver nanoparticles characterization and its bactericidal potential against clinical isolates. <b>2020</b> , 27, 991-995		12
121	Determination of total antioxidant capacity of Cynara Scolymus L. (globe artichoke) by using novel nanoparticle-based ferricyanide/Prussian blue assay. <b>2020</b> , 216, 120960		1
120	An antibody-aptamer sandwich cathodic photoelectrochemical biosensor for the detection of progesterone. <b>2020</b> , 160, 112210		16

# (2021-2020)

119	Modified Drude model for small gold nanoparticles surface plasmon resonance based on the role of classical confinement. <b>2020</b> , 10, 6517	14
118	Overview of the application of inorganic nanomaterials in cancer photothermal therapy. <b>2020</b> , 8, 2990-3020	96
117	Applications and challenges of low temperature plasma in pharmaceutical field. 2021, 11, 28-36	7
116	Surface enhanced Raman studies of heat-treated silver nanowire films. <b>2021</b> , 39, 1356-1361	O
115	Rapid and sensitive multimode detection of Salmonella typhimurium based on the photothermal effect and peroxidase-like activity of MoS2@Au nanocomposite. <b>2021</b> , 326, 128807	10
114	Optical Biosensors for Virus Detection: Prospects for SARS-CoV-2/COVID-19. <b>2021</b> , 22, 1176-1189	51
113	Silica-Supported Phosphine-Gold Complexes as an Efficient Catalytic System for a Dearomative Spirocyclization. <b>2021</b> , 27, 427-433	1
112	Efficient fitting algorithm. <b>2021</b> , 217, 73-90	
111	Plasmonic Nanostructures for Photothermal Conversion. <b>2021</b> , 1, 2000055	26
110	Introduction to nanomedicine an overview. <b>2021</b> , 1-20	О
110	Introduction to nanomedicine an overview. <b>2021</b> , 1-20  Green synthesis of inorganic nanoparticles and their cancer theranostics applications. <b>2021</b> , 123-140	0
109	Green synthesis of inorganic nanoparticles and their cancer theranostics applications. <b>2021</b> , 123-140  Plasmonic carriers responsive to pulsed laser irradiation: a review of mechanisms, design, and	1
109	Green synthesis of inorganic nanoparticles and their cancer theranostics applications. <b>2021</b> , 123-140  Plasmonic carriers responsive to pulsed laser irradiation: a review of mechanisms, design, and applications. <b>2021</b> , 45, 15131-15157  Scattering-mediated photothermal heating in plasmonic PES/Au membranes for heterogeneous	3
109 108 107	Green synthesis of inorganic nanoparticles and their cancer theranostics applications. <b>2021</b> , 123-140  Plasmonic carriers responsive to pulsed laser irradiation: a review of mechanisms, design, and applications. <b>2021</b> , 45, 15131-15157  Scattering-mediated photothermal heating in plasmonic PES/Au membranes for heterogeneous catalysis. <b>2021</b> , 5, 2425-2433	1 3 1
109 108 107	Green synthesis of inorganic nanoparticles and their cancer theranostics applications. 2021, 123-140  Plasmonic carriers responsive to pulsed laser irradiation: a review of mechanisms, design, and applications. 2021, 45, 15131-15157  Scattering-mediated photothermal heating in plasmonic PES/Au membranes for heterogeneous catalysis. 2021, 5, 2425-2433  Role of Gold Nanoparticles in Drug Delivery and Cancer Therapy. 2021, 124-140  Recent advances in cancer photo-theranostics: the synergistic combination of transition metal	1 3 1
109 108 107 106	Green synthesis of inorganic nanoparticles and their cancer theranostics applications. 2021, 123-140  Plasmonic carriers responsive to pulsed laser irradiation: a review of mechanisms, design, and applications. 2021, 45, 15131-15157  Scattering-mediated photothermal heating in plasmonic PES/Au membranes for heterogeneous catalysis. 2021, 5, 2425-2433  Role of Gold Nanoparticles in Drug Delivery and Cancer Therapy. 2021, 124-140  Recent advances in cancer photo-theranostics: the synergistic combination of transition metal complexes and gold nanostructures. 2021, 3, 1  Damage-free light-induced assembly of intestinal bacteria with a bubble-mimetic substrate. 2021,	1 3 1 0

101 Photothermal and optoacoustic spectroscopy: current state and outlooks.

100	Silver Nanoparticles from Peel and Leaf Extracts as a Potential Potent, Biocompatible and Low Cost Antitumor Tool. <i>Nanomaterials</i> , <b>2021</b> , 11,	4
99	Nanomaterials and their composite scaffolds for photothermal therapy and tissue engineering applications. <b>2021</b> , 22, 404-428	11
98	Functional Micro-/Nanomaterials for Multiplexed Biodetection. <b>2021</b> , 33, e2004734	6
97	Recent advances in porphyrin-based MOFs for cancer therapy and diagnosis therapy. <b>2021</b> , 439, 213945	27
96	Bioscaffold-based study of glioblastoma cell behavior and drug delivery for tumor therapy. <b>2021</b> , 147, 105049	0
95	Should Gold Marker or TEM-ASTAR Characterization Be Used to Determine Oxide Growth Direction?. <b>2021</b> , 96, 201-211	O
94	High Stability Au NPs: From Design to Application in Nanomedicine. <b>2021</b> , 16, 6067-6094	5
93	Gold nanoparticle synthesis in contact lenses for drug-less ocular cystinosis treatment. <b>2021</b> , 165, 271-278	2
92	Influence of Shape-Directing Agents on the Formation of Anisotropic Gold Nanoparticles. 2021, 16,	
91	MCP-1-Functionalized, Core-Shell Gold Nanorod@Iron-Based Metal-Organic Framework (MCP-1/GNR@MIL-100(Fe)) for Photothermal Therapy. <b>2021</b> ,	3
90	Biocompatible and biomimetic keratin capped Au nanoparticles enable the inactivation of mesophilic bacteria via photo-thermal therapy. <i>Colloids and Surfaces A: Physicochemical and 5.1 Engineering Aspects</i> , <b>2021</b> , 625, 126950	1
89	Synthesis, Chemical-Physical Characterization, and Biomedical Applications of Functional Gold Nanoparticles: A Review. <b>2021</b> , 26,	8
88	Surface-Plasmon Properties of Noble Metals with Exotic Phases.	1
87	Localized surface plasmon resonance coupling with piezophototronic effect for enhancing hydrogen evolution reaction with Au@MoS2 nanoflowers. <b>2021</b> , 87, 106131	13
86	Redox-responsive and light-responsive DNA-based hydrogels and their applications. <b>2021</b> , 166, 104983	3
85	Enhanced electrical conductivity of polymer microspheres by altering assembly sequence of two different shaped conductive fillers. <b>2021</b> , 149, 106562	O
84	Nanocarriers for Skin Applications: Where Do We Stand?.	

83	Crystalline Gold nanoparticles adjusted by carboxymethyl cellulose and citrate salt: Fabrication, characterization, and in vitro anticancer activity. <b>2021</b> , 340, 117202	О
82	Nanocarriers for Skin Applications: Where Do We Stand?. <b>2021</b> ,	6
81	Smart MXene/agarose hydrogel with photothermal property for controlled drug release. <b>2021</b> , 190, 693-699	5
80	Signal Generation with Gold Nanoparticles: Photophysical Properties for Sensor and Imaging Applications. 319-349	6
79	Nanotechnology and Plant Disease Diagnosis and Management. <b>2020</b> , 101-123	4
78	Cell Targeting and Magnetically Induced Hyperthermia. 2009, 343-365	7
77	Influence of Al2O3/Pr Nanoparticles on Soil, Air and Water Microorganisms. 2013, 1-8	4
76	Smart Nanoassemblies and Nanoparticles. <b>2014</b> , 67-113	1
75	Microscopy-Based High-Throughput Analysis of Cells Interacting with Nanostructures. <b>2016</b> , 99-115	1
74	A multifunctional organosilica cross-linker for the bio-conjugation of gold nanorods. <b>2017</b> , 157, 174-181	12
73	Magneto-plasmonic Co@M (M = Au/Ag/Au-Ag) core-shell nanoparticles for biological imaging and therapeutics. $2020$ , 251, 107095	7
72	Chapter 2:Chemical and Biological Sensing Using Gold Nanoparticles. <b>2008</b> , 29-59	О
71	CHAPTER 4:Smart Dendrimers. <b>2013</b> , 94-114	2
70	Preparation of novel anisotropic gold nanoplatform as NIR absorbing agents for photothermal therapy of liver cancer and enhanced ultrasound contrast imaging. <b>2020</b> , 7, 125006	1
69	From Nanoparticles to Nanocomposites. <b>2011</b> , 1-20	1
68	Control of hot-carrier relaxation time in Au-Ag thin films through alloying. <b>2020</b> , 28, 33528-33537	2
67	Accurate quantification of photothermal heat originating from a plasmonic metasurface. <b>2020</b> , 45, 2355-2358	4
66	Complexation Peculiarities in <b>D</b> oxorubicin <b>B</b> ovine Serum Albumin <b>L</b> old Nanoparticles Heterosystem. The Fluo-rescence Study. <b>2020</b> , 65, 468	2

65	Nonlinear optical properties of Au-nanoparticles conjugated with lipoic acid in water. 9,	1
64	Stimuli-Responsive Gold Nanoparticles for Cancer Diagnosis and Therapy. <b>2016</b> , 7, 19	15
63	Echographic imaging of tumoral cells through novel nanosystems for image diagnosis. <b>2014</b> , 6, 459-70	12
62	Surface plasmaons enhanced light-matter interactions. <b>2019</b> , 68, 149101	5
61	Nanoparticle-Mediated Heating: A Theoretical Study for Photothermal Treatment and Photo Immunotherapy. <b>2021</b> , 89-114	
60	Nanotechnologies for Photothermal and Immuno Cancer Therapy: Advanced Strategies Using Copper Sulfide Nanoparticles and Bacterium-Mimicking Liposomes for Enhanced Efficacy. <b>2021</b> , 191-208	
59	Nanoparticles as Drug Delivery Systems.	1
58	Collective plasmon resonances in monolayers of metal nanoparticles and nanoshells. <b>2010</b> , 104, 282	
57	Metallic Nanoparticles: Biological Perspective. <b>2011</b> , 285-298	
56	Materials for Bio-Applications. <b>2011</b> , 75-92	
55	Introduction. <b>2011</b> , 1-13	
54	Pulsed Laser-Induced Size Reduction of Aqueous Gold Nanoparticles. <b>2012</b> , 40, 122	
53	Design of Stimuli-Responsive Dendrimers for Biomedical Purposes. 307-327	1
52	NANOMEDICINA. <b>2015,</b> 83-108	
51	Heating of bimetalical nanoparicles under the laser actions. Application in medicine. <b>2016</b> , 7, 214-224	
50	Lamellar heterogeneous objects with interfaces. Using transfer matrices in applications. <b>2016</b> , 7, 255-284	1
49	Highly stable conjugated polymer dots as multifunctional agents for photoacoustic imaging-guided photothermal therapy. <b>2019</b> ,	
48	Effect of mechanical deformations on absorption spectrum of metallic films of nanometer	

47	Nanoparticle enhanced optical biosensing technologies for Prostate Specific Antigen biomarker detection. <b>2020</b> , PP,	1
46	Gffi[Nanopartik[lerinin ឱ̄th ਬkirde[lEkstraktਜ਼ਿਜ਼ Endotoksik Kalp Dokusundaki Histolojik Defiklere ve TNF-⊞e BNP Ekspresyonuna Etkisi.	1
45	Application of Nanobiotechnology in Clinical Diagnosis. <b>2020</b> , 49-60	
44	Simple Model for Thermal Denaturing of Proteins Absorbed to Metallic Nanoparticles. <b>2020</b> , 821-828	
43	Applications of Nanometals in Cutaneous Infections. <b>2020</b> , 71-92	О
42	Plasmon-assisted interaction of Si with light, for cancer hyperthermia and electromagnetic energy harvest. <b>2020</b> , 92, 20101	
41	Engineering of CoSe Nanosheets via Vacancy Manipulation for Efficient Cancer Therapy <b>2020</b> , 3, 7800-7809	3
40	Optical Heating Controlled With a Thermoplasmonic Metasurface. <b>2021</b> , 2015, 012029	O
39	Strain-Modulated Seeded Growth of Highly Branched Black Au Superparticles for Efficient Photothermal Conversion. <b>2021</b> , 143, 20513-20523	11
38	Gold nanoparticles-loaded contact lenses for laser protection and meibomian gland dysfunction (MGD) dry eye treatment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 128053 <sup>5.1</sup>	1
37	A mathematical model for understanding nanoparticle biodistribution after intratumoral injection in cancer tumors. <b>2022</b> , 68, 103048	Ο
36	Collective Plasmon Coupling in Gold Nanoparticle Clusters for Highly Efficient Photothermal Therapy <b>2022</b> ,	5
35	Phytosynthesis, characterization and catalytic activity of Sacha inchi leaf-assisted gold nanoparticles. 1	2
34	Recent Advances in the Development of Noble Metal NPs for Cancer Therapy <b>2022</b> , 2022, 2444516	8
33	Photothermal and optoacoustic spectroscopy: current state and outlooks. <b>2022</b> , 65,	5
32	High throughput tabletop shock techniques and measurements. <b>2022</b> , 131, 075901	4
31	Novel Green Approaches for the Preparation of Gold Nanoparticles and Their Promising Potential in Oncology. <b>2022</b> , 10, 426	4
30	Biogenic Metal and Metal Oxides Nanoparticles as Anticancer Agent: A Review. <b>2022</b> , 1225, 012043	1

29	64Cu radiolabeled nanomaterials for positron emission tomography (PET) imaging. 2022,		0
28	Salmonella typhimurium strip based on the photothermal effect and catalytic color overlap of PB@Au nanocomposite <i>Food Chemistry</i> , <b>2022</b> , 385, 132649	8.5	O
27	Injectable and self-healing biobased composite hydrogels as future anticancer therapeutic biomaterials. <i>Nano Select</i> ,	3.1	0
26	A review of applications of surface-enhanced raman spectroscopy laser for detection of biomaterials and a quick glance into its advances for COVID-19 investigations <i>ISSS Journal of Micro and Smart Systems</i> , <b>2022</b> , 1-20	0.9	1
25	Treasure on the Earth-Gold Nanoparticles and Their Biomedical Applications <i>Materials</i> , <b>2022</b> , 15,	3.5	3
24	Multiple plasmonic hot spots platform: Nanogap coupled gold nanoparticles. <i>Applied Surface Science</i> , <b>2022</b> , 593, 153388	6.7	O
23	Cytotoxic Potential of Bio-Silica Conjugate with Different Sizes of Silver Nanoparticles for Cancer Cell Death. <i>Materials</i> , <b>2022</b> , 15, 4074	3.5	
22	Multifunctional Hybrid MoS2-PEGylated/Au Nanostructures with Potential Theranostic Applications in Biomedicine. <i>Nanomaterials</i> , <b>2022</b> , 12, 2053	5.4	1
21	Kalman filter temperature estimation with a photoacoustic observation model during the hyperthermia treatment of cancer. <i>Computers and Mathematics With Applications</i> , <b>2022</b> , 119, 193-207	2.7	
20	The role of reverse micelles and metal-surfactant interactions in the synthesis of gold ink in reverse emulsions stabilized by AOT, Tergitol NP-4 and Span 80. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2022</b> , 649, 129452	5.1	
19	Single-step green synthesis of gold conjugated polyphenol nanoparticle using extracts of Saudi myrrh: Their characterization, molecular docking and essential biological applications. <i>Saudi Pharmaceutical Journal</i> , <b>2022</b> ,	4.4	0
18	Functionalization of Se-Te Nanorods with Au Nanoparticles for Enhanced Anti-Bacterial and Anti-Cancer Activities. <i>Materials</i> , <b>2022</b> , 15, 4813	3.5	
17	NIR/pH-responsive chitosan hydrogels containing Ti3C2/AuNRs with NIR-triggered photothermal effect. <i>Carbohydrate Polymers</i> , <b>2022</b> , 295, 119853	10.3	0
16	Nanozyme-Based Artificial Organelles: An Emerging Direction for Artificial Organelles. <i>Small</i> , 2202294	11	2
15	Effect of non-alignment on nearfield coupling, charge density and sensitivity to the host medium of a gold nanorod homodimer. <b>2022</b> , 57, 14324-14338		1
14	Advances in Noble-Metal Nanoparticle-Based Fluorescence Detection of Organophosphorus Chemical Warfare Agents. <b>2022</b> , 7, 27079-27089		
13	Biocorona modulates the inflammatory response induced by gold nanoparticles in human epidermal keratinocytes. <b>2022</b> , 369, 34-42		0
12	Tunable fano resonance-enhanced surface plasmon biosensor based on MXene/MoS2 heterostructure. <b>2022</b> , 133, 112966		0

## CITATION REPORT

11	Inorganic NanoflowersBynthetic Strategies and Physicochemical Properties for Biomedical Applications: A Review. <b>2022</b> , 14, 1887	0
10	Nanotechnology for the Detection of Plant Pathogens. <b>2022</b> , 100018	1
9	Metallic and metal oxide-derived nanohybrid as a tool for biomedical applications. 2022, 155, 113791	1
8	On the toxicity of gold nanoparticles: Histological, histochemical and ultrastructural alterations. 074823372	211338
7	Solid state synthesis, characterization of gold nanoparticles-thymoquinone and its molecular docking studies against virulent M. Tuberculosis H37Rv strain protein and WSSV envelope protein VP28. <b>2023</b> , 288, 116187	О
6	Black Silver Nanocubes@Amino Acid-Encoded Highly Branched Gold Shells with Efficient Photothermal Conversion for Tumor Therapy.	1
5	18F-fluorodeoxyglucose (18F-FDG) Functionalized Gold Nanoparticles (GNPs) for Plasmonic Photothermal Ablation of Cancer: A Review. <b>2023</b> , 15, 319	O
4	Overcoming Cancer Multi-drug Resistance (MDR): Reasons, mechanisms, nanotherapeutic solutions, and challenges. <b>2023</b> , 162, 114643	O
3	Monte Carlo study of nanoparticles effectiveness on the dose enhancement when irradiated by protons. <b>2023</b> , 13, 035018	O
2	Plasmonic photocatalysis: Mechanism, applications and perspectives. <b>2023</b> , 100066	O
1	Harnessing Hafnium-Based Nanomaterials for Cancer Diagnosis and Therapy.	O