

# Determination of Size and Concentration of Gold Nanop

Analytical Chemistry

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Citation Report

#	ARTICLE	IF	CITATIONS
43	Gold and Silica-Coated Gold Nanoparticles as Thermographic Labels for DNA Detection. <i>Analytical Chemistry</i> , 2006, 78, 3282-3288.	3.2	63
44	A Molecular Spectroscopic Description of Optical Spectra of J-Aggregated Dyes on Gold Nanoparticles. <i>Nano Letters</i> , 2007, 7, 3235-3240.	4.5	58
45	Surface morphology changes on silica-coated gold colloids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 322, 225-233.	2.3	43
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60	Preparation of lisinopril-capped gold nanoparticles for molecular imaging of angiotensin-converting enzyme. <i>Proceedings of SPIE</i> , 2009, , .	0.8	1
61	Formation and Electrical Interfacing of Nanocrystal-Molecule Nanostructures. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1154, 1.	0.1	0

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1915	Green Synthesis of Silver Nanoparticles by Using <i>Sansevieria Roxburghiana</i> , Their Characterization and Antibacterial Activity. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 4155-4159.	1.9	18
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1947	Cys-functionalized AuNP substrates for improved sensing of the marine toxin STX by dynamic surface-enhanced Raman spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4609-4617.	1.9	24
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1955	In Vivo and In Vitro Anticancer Activity of Doxorubicin-loaded DNA-AuNP Nanocarrier for the Ovarian Cancer Treatment. <i>Cancers</i> , 2020, 12, 634.	1.7	18
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1959	Bifunctional Au-templated RNA nanoparticles enable direct cell uptake detection and GRP75 knockdown in prostate cancer. <i>Journal of Materials Chemistry B</i> , 2020, 8, 2169-2176.	2.9	5
1960	Colorimetric determination of dopamine using an electrospun nanofibrous membrane decorated with gold nanoparticles. <i>Journal of Materials Science</i> , 2020, 55, 7969-7980.	1.7	19
1961	Polymer-Stabilized Sialylated Nanoparticles: Synthesis, Optimization, and Differential Binding to Influenza Hemagglutinins. <i>Biomacromolecules</i> , 2020, 21, 1604-1612.	2.6	25
1962	Plasmonic photocatalysis and SERS sensing using ellipsometrically modeled Ag nanoisland substrates. <i>Nanotechnology</i> , 2020, 31, 365301.	1.3	19
1963	Preparation and Characterization of Aptamers Against O,p $\hat{a}$ €™-DDT. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2211.	1.8	5
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1968	Augmented Colorimetric Nanoplasmonic (CONAN) Method for Grading Purity and Determine Concentration of EV Microliter Volume Solutions. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 452.	2.0	29
1969	Methylisothiazolinone response on disposable electrochemical platforms modified with carbon, nickel or gold-based nanomaterials. <i>Mikrochimica Acta</i> , 2020, 187, 199.	2.5	7
1970	A Filter Supported Surface-Enhanced Raman Scattering "Nose" for Point-of-Care Monitoring of Gaseous Metabolites of Bacteria. <i>Analytical Chemistry</i> , 2020, 92, 5055-5063.	3.2	27
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1972	Gold nanoparticles enhance immune responses in mice against recombinant classical swine fever virus E2 protein. <i>Biotechnology Letters</i> , 2020, 42, 1169-1180.	1.1	17
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1976	Enzyme-Antibody-Modified Gold Nanoparticle Probes for the Ultrasensitive Detection of Nucleocapsid Protein in SFTSV. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 4427.	1.2	12
1977	Doping Concentration Tuning and Plasmonic Optical Properties Modelling of Metal Nano Particles Utilizing FDTD Method. <i>Materials Science Forum</i> , 0, 995, 197-202.	0.3	0
1978	Ultrathin quasi-hexagonal gold nanostructures for sensing arsenic in tap water. <i>RSC Advances</i> , 2020, 10, 20211-20221.	1.7	13
1979	Ag nanofluids synthesis in presence of citrate at different stirring rotation and their post reaction stability. <i>Journal of Dispersion Science and Technology</i> , 2021, 42, 1799-1810.	1.3	1
1980	Synthesis and Multipole Plasmon Resonances of Spherical Aluminum Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5836-5843.	2.1	22
1981	Assessing nanoparticle colloidal stability with single-particle inductively coupled plasma mass spectrometry (SP-ICP-MS). <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5205-5216.	1.9	22
1982	Inkjet printing of gold nanoparticles onto a biologically relevant matrix to create quantitative test materials for time-of-flight secondary ion mass spectrometry. <i>Surface and Interface Analysis</i> , 2020, 52, 717-724.	0.8	1
1983	Shell-Isolated Nanoparticle-Enhanced Raman Spectroscopy of Nickel-Catalyzed Hydrogenation Reactions. <i>ChemPhysChem</i> , 2020, 21, 625-632.	1.0	21
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1986	Colorimetric-based detection of <i>Ureaplasma urealyticum</i> using gold nanoparticles. <i>IET Nanobiotechnology</i> , 2020, 14, 19-24.	1.9	4
1987	Detection of aspirin traces in blood by means of surface-enhanced Raman scattering spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 919-931.	1.2	13
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1989	Colorimetric-enzymatic determination of tyramine by generation of gold nanoparticles. <i>Mikrochimica Acta</i> , 2020, 187, 174.	2.5	20
1990	Increased Stability of Oligopeptidases Immobilized on Gold Nanoparticles. <i>Catalysts</i> , 2020, 10, 78.	1.6	5
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1993	Direct detection of charge and discharge process in supercapacitor by fiber-optic LSPR sensors. <i>Nanophotonics</i> , 2020, 9, 1071-1079.	2.9	11
1994	A rapid and automated flow injection spectrophotometric determination method for pioglitazone/metformin hydrochloride in pharmaceutical preparation and to confirmation of its reaction principle using PCX column. <i>Microchemical Journal</i> , 2020, 155, 104698.	2.3	13
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1996	Assessment of antioxidant and dermoprotective activities of gold nanoparticles as safe cosmetic ingredient. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 189, 110855.	2.5	43
1997	Differential toxicity mechanism of gold nanoparticles in HK-2 renal proximal tubular cells and 786-0 carcinoma cells. <i>Nanomedicine</i> , 2020, 15, 1079-1096.	1.7	11
1998	Selection of Aptamers Specific for DEHP Based on ssDNA Library Immobilized SELEX and Development of Electrochemical Impedance Spectroscopy Aptasensor. <i>Molecules</i> , 2020, 25, 747.	1.7	26
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2049	Silver nanocubes monolayers as a SERS substrate for quantitative analysis. <i>Chinese Chemical Letters</i> , 2021, 32, 1497-1501.	4.8	22
2050	Nanomaterial-based fluorescent sensors for the detection of lead ions. <i>Journal of Hazardous Materials</i> , 2021, 407, 124379.	6.5	70
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2052	One Pot Synthesis of Gentamicin Conjugated Gold Nanoparticles as an Efficient Antibacterial Agent. <i>Journal of Cluster Science</i> , 2021, 32, 995-1002.	1.7	2
2053	Ultrasensitive Determination of Malathion in Apples by Aptamer-Based Resonance Scattering. <i>Analytical Letters</i> , 2021, 54, 1639-1653.	1.0	6
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2077	Peptide directed phthalocyanine-gold nanoparticles for selective photodynamic therapy of EGFR overexpressing cancers. <i>RSC Medicinal Chemistry</i> , 2021, 12, 288-292.	1.7	10
2078	Effect of temperature on green synthesized silver nanoparticles using water and methanol. <i>Materials Today: Proceedings</i> , 2021, 45, 5506-5510.	0.9	2
2079	Gold nanoparticles from <i>Celastrus hindsii</i> and H <sub>2</sub> AuCl <sub>4</sub> : Green synthesis, characteristics, and their cytotoxic effects on HeLa cells. <i>Green Processing and Synthesis</i> , 2021, 10, 73-84.	1.3	5
2080	Sonochemical preparation of polymer-metal nanocomposites with catalytic and plasmonic properties. <i>Nanoscale Advances</i> , 2021, 3, 3306-3315.	2.2	28
2081	Gold nanoparticles conjugated with anti-CD133 monoclonal antibody and 5-fluorouracil chemotherapeutic agent as nanocarriers for cancer cell targeting. <i>RSC Advances</i> , 2021, 11, 16131-16141.	1.7	17
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2086	PrPC Aptamer Conjugated-Gold Nanoparticles for Targeted Delivery of Doxorubicin to Colorectal Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1976.	1.8	28
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2089	Preparation, Functionalization, Modification, and Applications of Nanostructured Gold: A Critical Review. <i>Energies</i> , 2021, 14, 1278.	1.6	42
2090	Radiosensitization of breast cancer cells using AS1411 aptamer-conjugated gold nanoparticles. <i>Radiation Oncology</i> , 2021, 16, 33.	1.2	24
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2093	Review of recent progress on DNA-based biosensors for Pb <sup>2+</sup> detection. <i>Analytica Chimica Acta</i> , 2021, 1147, 124-143.	2.6	54
2094	Randomly positioned gold nanoparticles as fluorescence enhancers in apta-immunosensor for malaria test. <i>Mikrochimica Acta</i> , 2021, 188, 88.	2.5	18

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2096	Catalytic Activity of Size Tailored Gold Nanoparticles for the Reduction of Environmental Pollutant, 4-Nitrophenol: A Greener Approach. <i>Journal of Cluster Science</i> , 2022, 33, 1193-1203.	1.7	2
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2099	Aggregation triggered aflatoxin B1 determination in foodstuff employing 5-aminotetramethylrhodamine decorated gold-silver core-shell nanoparticles in surface enhanced Raman scattering. <i>Sensors and Actuators B: Chemical</i> , 2021, 331, 129424.	4.0	32
2100	Biofabrication of Gold Nanotriangles Using Liposomes as a Dual Functional Reductant and Stabilizer. <i>Langmuir</i> , 2021, 37, 3446-3455.	1.6	6
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2102	An experimental investigation on the influence of various buffer concentrations, osmolytes and gold nanoparticles on lysozyme: Spectroscopic and calorimetric study. <i>International Journal of Biological Macromolecules</i> , 2021, 172, 162-169.	3.6	8
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2111	Systematic Incorporation of Gold Nanoparticles onto Mesoporous Titanium Oxide Particles for Green Catalysts. <i>Catalysts</i> , 2021, 11, 451.	1.6	3
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2114	Gold Nanoparticle-Enhanced Detection of DNA Hybridization by a Block Copolymer-Templating Fiber-Optic Localized Surface Plasmon Resonance Biosensor. <i>Nanomaterials</i> , 2021, 11, 616.	1.9	16
2115	Biocompatible DNA/5-Fluorouracil-Gemini Surfactant-Functionalized Gold Nanoparticles as Promising Vectors in Lung Cancer Therapy. <i>Pharmaceutics</i> , 2021, 13, 423.	2.0	10
2116	Nanoscale investigation and control of photothermal action of gold nanostructure-coated surfaces. <i>Journal of Materials Science</i> , 2021, 56, 10249-10263.	1.7	3
2117	Extinction Effect of Gold Nanocatalysts on Photocatalytic Activities under Plasmonic Excitation. <i>Catalysts</i> , 2021, 11, 413.	1.6	5
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