

Nikolai Grigor Evich Khlebtsov

List of Publications by Year
in descending order

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230
papers

11,738
citations

36303
51
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29157
104
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236
all docs

236
docs citations

236
times ranked

14712
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional plasmonic gold nanostars for cancer diagnostic and therapeutic applications. Journal of Biophotonics, 2022, 15, e202100264.	2.3	6
2	Extinction and scattering of light by nonspherical plasmonic particles in absorbing media. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 280, 108069.	2.3	15
3	Photothermal and Photodynamic Therapy of Tumors with Plasmonic Nanoparticles: Challenges and Prospects. Materials, 2022, 15, 1606.	2.9	29
4	Changes in Optical Properties of Model Cholangiocarcinoma after Plasmon-Resonant Photothermal Treatment. Photonics, 2022, 9, 199.	2.0	2
5	SERS and Indicator Paper Sensing of Hydrogen Peroxide Using Au@Ag Nanorods. Sensors, 2022, 22, 3202.	3.8	1
6	Analytical solutions for the surface- and orientation-averaged SERS enhancement factor of small plasmonic particles. Journal of Raman Spectroscopy, 2021, 52, 285-295.	2.5	7
7	Extinction, absorption, and scattering of light by plasmonic spheres embedded in an absorbing host medium. Physical Chemistry Chemical Physics, 2021, 23, 23141-23157.	2.8	8
8	Tumor Phantom with Incorporated SERS Tags: Detectability in a Turbid Medium. Photonics, 2021, 8, 144.	2.0	2
9	Introduction to the special issue on surface-enhanced Raman spectroscopy and functionalized plasmonic nanoparticles for biomedical applications. Journal of Innovative Optical Health Sciences, 2021, 14, .	1.0	1
10	Plasmonic nanoparticles and nucleic acids hybrids for targeted gene delivery, bioimaging, and molecular recognition. Journal of Innovative Optical Health Sciences, 2021, 14, .	1.0	13
11	Photostability of Contrast Agents for Photoacoustics: The Case of Gold Nanorods. Nanomaterials, 2021, 11, 116.	4.1	19
12	Metal-Specific Response of High-Resolution ICP-MS for Proteins Binding to Gold Nanoparticles in Human Serum. Analytical Chemistry, 2021, 93, 14918-14922.	6.5	3
13	Optoporation and Recovery of Living Cells under Au Nanoparticle Layer-Mediated NIR-Laser Irradiation. ACS Applied Nano Materials, 2021, 4, 13206-13217.	5.0	7
14	Lateral Flow Immunoassay of SARS-CoV-2 Antigen with SERS-Based Registration: Development and Comparison with Traditional Immunoassays. Biosensors, 2021, 11, 510.	4.7	22
15	Plasmonic nanoparticles as contrast agents for photoacoustics: strategies to improve their photostability. , 2021, , .		0
16	Surface-Enhanced Raman Scattering-Based Lateral-Flow Immunoassay. Nanomaterials, 2020, 10, 2228.	4.1	46
17	A novel concept of two-component dielectric function for gold nanostars: theoretical modelling and experimental verification. Nanoscale, 2020, 12, 19963-19981.	5.6	18
18	Small Thiols Stabilize the Shape of Gold Nanorods. Journal of Physical Chemistry C, 2020, 124, 11132-11140.	3.1	16

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19	Optically activated and interrogated plasmonic hydrogels for applications in wound healing. Journal of Biophotonics, 2020, 13, e202000135.	2.3	15
20	Impact of Kapitza resistance on the stability and efficiency of photoacoustic conversion from gold nanorods. Journal of Colloid and Interface Science, 2020, 578, 358-365.	9.4	12
21	Advantages of Highly Spherical Gold Nanoparticles as Labels for Lateral Flow Immunoassay. Sensors, 2020, 20, 3608.	3.8	19
22	Gap-enhanced Raman tags: fabrication, optical properties, and theranostic applications. Theranostics, 2020, 10, 2067-2094.	10.0	85
23	Petal-like Gap-Enhanced Raman Tags with Controllable Structures for High-Speed Raman Imaging. Langmuir, 2020, 36, 5546-5553.	3.5	16
24	Reexamination of Surface-Enhanced Raman Scattering from Gold Nanorods as a Function of Aspect Ratio and Shape. Journal of Physical Chemistry C, 2020, 124, 10647-10658.	3.1	38
25	SERS response from gap-enhanced Raman tags as a function of the shell thickness. , 2020, , .		0
26	Anticancer properties of gold nanoparticles biosynthesized by reducing of chloroaurate ions with Dunaliella salina aqueous extract. , 2020, , .		2
27	New materials for laser welding of connective tissue and controlled release of antimicrobial principles. , 2020, , .		0
28	Nanosecond laser-induced photomodification of gold nanostars of various sizes. , 2020, , .		0
29	Quantifying the Numbers of Gold Nanoparticles in the Test Zone of Lateral Flow Immunoassay Strips. ACS Applied Nano Materials, 2019, 2, 5020-5028.	5.0	98
30	Magnetic and Plasmonic Nanoparticles for Biomedical Devices. Journal of Applied Physics, 2019, 126, 170401.	2.5	5
31	Polydopamine coating decreases longitudinal plasmon of Au nanorods: Experiment and simulations. Applied Materials Today, 2019, 15, 67-76.	4.3	14
32	Polydopamine-coated Au nanorods for targeted fluorescent cell imaging and photothermal therapy. Beilstein Journal of Nanotechnology, 2019, 10, 794-803.	2.8	22
33	A novel cell transfection platform based on laser optoporation mediated by Au nanostar layers. Journal of Biophotonics, 2019, 12, e201800166.	2.3	37
34	SERS-based lateral flow immunoassay of troponin I by using gap-enhanced Raman tags. Nano Research, 2019, 12, 413-420.	10.4	105
35	Synthesis and SERS properties of Au@Au and Au@Ag nanomatryoshkas with embedded reporters. , 2019, , .		0
36	A novel centrifuge-based approach for tunable 2D layering of plasmonic nanoparticles. , 2019, , .		1

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37	Gold Nanoparticle-Based Technologies in Photothermal/Photodynamic Treatment. , 2018, , 151-173.		3
38	Tip-Functionalized Au@Ag Nanorods as Ultrabright Surface-Enhanced Raman Scattering Probes for Bioimaging in Off-Resonance Mode. Journal of Physical Chemistry C, 2018, 122, 17983-17993.	3.1	29
39	Plasmonic photothermal therapy: Approaches to advanced strategy. Lasers in Surgery and Medicine, 2018, 50, 1025-1033.	2.1	22
40	The inflammation markers in serum of tumor-bearing rats after plasmonic photothermal therapy. , 2018, , .		0
41	Cytotoxicity evaluation of gold nanoparticles on microalga Dunaliella salina in microplate test system. , 2018, , .		0
42	Optimal design of gold nanomaterials with embedded Raman reporters. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 190, 89-102.	2.3	19
43	Immunological properties of gold nanoparticles. Chemical Science, 2017, 8, 1719-1735.	7.4	179
44	The assesment of effectiveness of plasmonic resonance photothermal therapy in tumor-bearing rats after multiple intravenous administration of gold nanorods. Proceedings of SPIE, 2017, , .	0.8	1
45	Cell culture surfaces with immobilized gold nanostars: a new approach for laser-induced plasmonic cell optoporation. , 2017, , .		2
46	Bovine serum albumin nanoparticles loaded with Photosens photosensitizer for effective photodynamic therapy. Proceedings of SPIE, 2017, , .	0.8	0
47	Site-Selective Surface-Enhanced Raman Detection of Proteins. ACS Nano, 2017, 11, 918-926.	14.6	85
48	Quantitative and multiplex dot-immunoassay using gap-enhanced Raman tags. RSC Advances, 2017, 7, 40834-40841.	3.6	18
49	Rational Design of Ultrabright SERS Probes with Embedded Reporters for Bioimaging and Photothermal Therapy. ACS Applied Materials & Interfaces, 2017, 9, 30387-30397.	8.0	63
50	The effects of prolonged oral administration of gold nanoparticles on the morphology of hematopoietic and lymphoid organs. , 2017, , .		1
51	Comprehensive thematic T-matrix reference database: A 2015–2017 update. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 202, 240-246.	2.3	31
52	Impact of albumin based approaches in nanomedicine: Imaging, targeting and drug delivery. Advances in Colloid and Interface Science, 2017, 246, 13-39.	14.7	97
53	Optical properties of gold nanoshells on monodisperse silica cores: Experiment and simulations. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 187, 1-9.	2.3	16
54	Towards Effective Photothermal/Photodynamic Treatment Using Plasmonic Gold Nanoparticles. International Journal of Molecular Sciences, 2016, 17, 1295.	4.1	113

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55	Alterations of morphology of lymphoid organs and peripheral blood indicators under the influence of gold nanoparticles in rats. Journal of Innovative Optical Health Sciences, 2016, 09, 1640004.	1.0	2
56	Biomedical applications of multifunctional gold-based nanocomposites. Biochemistry (Moscow), 2016, 81, 1771-1789.	1.5	19
57	Optical properties of monodisperse gold nanoshells on silica cores. , 2016, , .		0
58	Multifunctional gold-based nanocomposites for theranostics. Biomaterials, 2016, 108, 13-34.	11.4	106
59	Gold nanoparticle-aided preparation of antibodies to \pm -methylacyl-CoA racemase and its immunochemical detection. Gold Bulletin, 2016, 49, 87-94.	2.4	3
60	Gold nanoparticle-assisted polymerase chain reaction: effects of surface ligands, nanoparticle shape and material. RSC Advances, 2016, 6, 110146-110154.	3.6	28
61	Surface Morphology of a Gold Core Controls the Formation of Hollow or Bridged Nanogaps in Plasmonic Nanomatryoshkas and Their SERS Responses. Journal of Physical Chemistry C, 2016, 120, 15385-15394.	3.1	34
62	Surface-enhanced Raman scattering inside Au@Ag core/shell nanorods. Nano Research, 2016, 9, 2303-2318.	10.4	85
63	Comprehensive thematic T-matrix reference database: A 2014–2015 update. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 178, 276-283.	2.3	28
64	The morphological changes in transplanted tumors in rats at plasmonic photothermal therapy. Proceedings of SPIE, 2016, , .	0.8	0
65	The morphological changes in the internal organs of laboratory animals after prolonged oral administration of gold nanoparticles. Journal of Innovative Optical Health Sciences, 2016, 09, 1642004.	1.0	0
66	Colorimetric Evaluation of the Viability of the Microalga <i>Dunaliella Salina</i> as a Test Tool for Nanomaterial Toxicity. Toxicological Sciences, 2016, 151, 115-125.	3.1	19
67	Au-nanocluster-loaded human serum albumin nanoparticles with enhanced cellular uptake for fluorescent imaging. Journal of Innovative Optical Health Sciences, 2016, 09, 1650004.	1.0	12
68	The effect of laser irradiation on living cells incubated with gold nanoparticles. , 2015, , .		2
69	Physicochemical and nanotechnological approaches to the design of 'rigid' spatial structures of DNA. Russian Chemical Reviews, 2015, 84, 27-42.	6.5	8
70	The morpho-functional assessment of plasmonic photothermal therapy effects on transplanted liver tumor. Journal of Innovative Optical Health Sciences, 2015, 08, 1541004.	1.0	12
71	Laboratory test system for the evaluation of nanomaterial toxicity on <i>Dunaliella salina</i> microalgae. Nanotechnologies in Russia, 2015, 10, 109-119.	0.7	7
72	Optical properties of plasmon-resonant bare and silica-coated nanostars used for cell imaging. Journal of Biomedical Optics, 2015, 20, 076017.	2.6	21

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73	Multifunctional Au nanoclusters for targeted bioimaging and enhanced photodynamic inactivation of Staphylococcus aureus. RSC Advances, 2015, 5, 61639-61649.	3.6	40
74	Gold Nanoisland Films as Reproducible SERS Substrates for Highly Sensitive Detection of Fungicides. ACS Applied Materials & Interfaces, 2015, 7, 6518-6529.	8.0	158
75	The study of indicators of bone marrow and peripheral blood of rats with diabetes and transplanted liver tumor after intravenous injection of gold nanorods. , 2015, , .		0
76	Tuning of plasmon resonance of gold nanorods by controlled etching. Colloid Journal, 2015, 77, 652-660.	1.3	22
77	Au@Ag core/shell cuboids and dumbbells: Optical properties and SERS response. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 167, 64-75.	2.3	57
78	Gold nanostructures for OCT imaging of capillary flow. Proceedings of SPIE, 2014, , .	0.8	4
79	The reversibility of morphological changes in the mesenteric lymph nodes after peroral administration of gold nanoparticles. Proceedings of SPIE, 2014, , .	0.8	0
80	Morphological study of the internal organs in rats with alloxan diabetes and transplanted liver tumor after intravenous injection of gold nanorods. Russian Open Medical Journal, 2014, 3, 0301.	0.3	2
81	Evaluation of lipid peroxidation activity at intravenous administration of gold nanorods in rats with simulated diabetes and transplanted liver cancer. , 2014, , .		0
82	Comprehensive thematic T-matrix reference database: A 2013â€“2014 update. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 146, 349-354.	2.3	40
83	A new nanobiomaterial: particles of liquid-crystalline DNA dispersions with embedded clusters of gold nanoparticles. Nanotechnologies in Russia, 2014, 9, 194-202.	0.7	4
84	Overgrowth of Gold Nanorods by Using a Binary Surfactant Mixture. Langmuir, 2014, 30, 1696-1703.	3.5	93
85	Extinction and extra-high depolarized light scattering spectra of gold nanorods with improved purity and dimension tunability: direct and inverse problems. Physical Chemistry Chemical Physics, 2014, 16, 5710-5722.	2.8	13
86	Gold nanorods with a hematoporphyrin-loaded silica shell for dual-modality photodynamic and photothermal treatment of tumors in vivo. Nano Research, 2014, 7, 325-337.	10.4	136
87	Uptake of Engineered Gold Nanoparticles into Mammalian Cells. Chemical Reviews, 2014, 114, 1258-1288.	47.7	253
88	Comparative study of the physical, chemical, and multimodal approaches to enhancing nanoparticle transport in the skin with model dermatitis. Nanotechnologies in Russia, 2014, 9, 559-570.	0.7	2
89	Structural nanotechnology of nucleic acids: Designing â€œLiquidâ€•and â€œRigidâ€•DNA nanoconstructions. Herald of the Russian Academy of Sciences, 2014, 84, 252-264.	0.6	1
90	Penetration of Pegylated Gold Nanoparticles Through Rat Placental Barrier. Bulletin of Experimental Biology and Medicine, 2014, 157, 383-385.	0.8	25

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91	Large-scale high-quality 2D silica crystals: dip-drawing formation and decoration with gold nanorods and nanospheres for SERS analysis. Nanotechnology, 2014, 25, 405602.	2.6	18
92	Improved size-tunable synthesis and SERS properties of Au nanostars. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	42
93	Enhanced photoinactivation of <i>Staphylococcus aureus</i> with nanocomposites containing plasmonic particles and hematoporphyrin. Journal of Biophotonics, 2013, 6, 338-351.	2.3	51
94	A simple Mie-type model for silica-coated gold nanocages. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 121, 23-29.	2.3	15
95	Surface-Enhanced Raman Scattering Substrates Based on Self-Assembled PEGylated Gold and Gold-Silver Core-Shell Nanorods. Journal of Physical Chemistry C, 2013, 117, 23162-23171.	3.1	56
96	Gold nanorods as a perspective technology platform for SERS analytics. Russian Journal of General Chemistry, 2013, 83, 2203-2211.	0.8	4
97	DNA detection assay based on fluorescence quenching of rhodamine B by gold nanoparticles: The optical mechanisms. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 131, 34-42.	2.3	15
98	Cancer laser therapy using gold nanoparticles. , 2013, , 659-703.		6
99	T-matrix method in plasmonics: An overview. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 123, 184-217.	2.3	93
100	Comprehensive T-matrix reference database: A 2012-2013 update. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 123, 145-152.	2.3	32
101	Analytical and Theranostic Applications of Gold Nanoparticles and Multifunctional Nanocomposites. Theranostics, 2013, 3, 167-180.	10.0	166
102	Synthesis and optical properties of poly(N-isopropylacrylamide) nanogel containing silver nanoparticles. Colloid Journal, 2013, 75, 333-338.	1.3	4
103	New types of nanomaterials: powders of gold nanospheres, nanorods, nanostars, and gold-silver nanocages. Nanotechnologies in Russia, 2013, 8, 209-219.	0.7	22
104	SERS substrates formed by gold nanorods deposited on colloidal silica films. Nanoscale Research Letters, 2013, 8, 250.	5.7	42
105	Plasmon-resonant gold nanoparticles with variable morphology as optical labels and drug carriers for cytological research. , 2013, , .		5
106	Analytical and Theranostic Applications of Gold Nanoparticles and Multifunctional Nanocomposites: Erratum. Theranostics, 2013, 3, 1012-1012.	10.0	3
107	Accumulation and biodistribution of gold nanoparticles in the mesenteric lymph nodes at oral administration. Russian Open Medical Journal, 2013, 2, 0301.	0.3	1
108	Laser solidification of injectable scaffolds. , 2012, , .		0

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109	Surface-enhanced raman scattering platforms on the basis of assembled gold nanorods. Nanotechnologies in Russia, 2012, 7, 359-369.	0.7	6
110	Gold nanoparticles in biomedical applications: recent advances and perspectives. Chemical Society Reviews, 2012, 41, 2256-2282.	38.1	1,629
111	Plasmonic Nanopowders for Photothermal Therapy of Tumors. Langmuir, 2012, 28, 8994-9002.	3.5	45
112	Study of polyol synthesis reaction parameters controlling high yield of silver nanocubes. Colloid Journal, 2012, 74, 99-109.	1.3	39
113	Photothermal effects induced by laser heating of gold nanorods in suspensions and inoculated tumours during in vivo experiments. Quantum Electronics, 2012, 42, 380-389.	1.0	29
114	Use of fractional laser microablation and ultrasound to facilitate the delivery of gold nanoparticles into skin in vivo. Quantum Electronics, 2012, 42, 471-477.	1.0	15
115	Comprehensive T-matrix reference database: A 2009â€“2011 update. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 1844-1852.	2.3	21
116	Multiplexed dot immunoassay using Ag nanocubes, Au/Ag alloy nanoparticles, and Au/Ag nanocages. Nano Research, 2012, 5, 124-134.	10.4	42
117	Combined near infrared photothermolysis and photodynamic therapy by association of gold nanoparticles and an organic dye. , 2011, , .		4
118	Phototoxic effect of conjugates of plasmon-resonance nanoparticles with indocyanine green dye on Staphylococcus aureus induced by IR laser radiation. Quantum Electronics, 2011, 41, 354-359.	1.0	27
119	Colorimetric and dynamic light scattering detection of DNA sequences by using positively charged gold nanospheres: a comparative study with gold nanorods. Nanotechnology, 2011, 22, 285501.	2.6	28
120	A New T-Matrix Solvable Model for Nanorods: TEM-Based Ensemble Simulations Supported by Experiments. Journal of Physical Chemistry C, 2011, 115, 6317-6323.	3.1	59
121	Nanocomposites Containing Silica-Coated Goldâ€“Silver Nanocages and Ybâ€“2,4-Dimethoxyhematoporphyrin: Multifunctional Capability of IR-Luminescence Detection, Photosensitization, and Photothermolysis. ACS Nano, 2011, 5, 7077-7089.	14.6	143
122	Biodistribution and toxicity of gold nanoparticles. Nanotechnologies in Russia, 2011, 6, 17-42.	0.7	11
123	Composite multifunctional nanoparticles based on silica-coated gold-silver nanocages functionalized by Yb-hematoporphyrin. Nanotechnologies in Russia, 2011, 6, 496-503.	0.7	9
124	On the measurement of gold nanoparticle sizes by the dynamic light scattering method. Colloid Journal, 2011, 73, 118-127.	1.3	177
125	Effects of shape and charge of colloidal gold nanoparticles in colorimetric determination of DNA sequences. Colloid Journal, 2011, 73, 368-377.	1.3	4
126	Interaction of albumin and β -globulin molecules with gold nanoparticles in water solutions. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2011, 66, 449-452.	0.4	6

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127	Biodistribution and toxicity of engineered gold nanoparticles: a review of in vitro and in vivo studies. Chemical Society Reviews, 2011, 40, 1647-1671.	38.1	1,331
128	Mutagenic Effect of Gold Nanoparticles in the Micronucleus Assay. Bulletin of Experimental Biology and Medicine, 2011, 151, 731-733.	0.8	9
129	Quantitative cell bioimaging using gold-nanoshell conjugates and phage antibodies. Journal of Biophotonics, 2011, 4, 74-83.	2.3	29
130	Plasmonic Nanoparticles. Series in Medical Physics and Biomedical Engineering, 2010, , 37-85.	0.1	13
131	Spectroturbidimetric determination of the sizes of poly(ethylene glycol)-induced insoluble immune complex particles. Colloid Journal, 2010, 72, 504-511.	1.3	2
132	Silver nanocubes and gold nanocages: Fabrication and optical and photothermal properties. Nanotechnologies in Russia, 2010, 5, 454-468.	0.7	40
133	Optical properties and biomedical applications of plasmonic nanoparticles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 1-35.	2.3	551
134	Comprehensive T-matrix reference database: A 2007-2009 update. Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 650-658.	2.3	55
135	Attenuation, scattering, and depolarization of light by gold nanorods with silver shells. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2010, 108, 59-69.	0.6	10
136	Three-dimensional dynamics of temperature fields in phantoms and biotissue under IR laser photothermal therapy using gold nanoparticles and ICG dye. , 2010, , .		0
137	Anisotropic properties of plasmonic nanoparticles: depolarized light scattering, dichroism, and birefringence. Journal of Nanophotonics, 2010, 4, 041587.	1.0	26
138	Tunable depolarized light scattering from gold and gold/silver nanorods. Physical Chemistry Chemical Physics, 2010, 12, 3210.	2.8	35
139	Cancer Laser Thermotherapy Mediated by Plasmonic Nanoparticles. Series in Medical Physics and Biomedical Engineering, 2010, , 763-797.	0.1	7
140	Circulation and distribution of gold nanoparticles and induced alterations of tissue morphology at intravenous particle delivery. Journal of Biophotonics, 2009, 2, 292-302.	2.3	144
141	On the Enhanced Antibacterial Activity of Antibiotics Mixed with Gold Nanoparticles. Nanoscale Research Letters, 2009, 4, 794-801.	5.7	188
142	Fabrication, stabilization, and optical properties of gold nanorods with silver shells. Nanotechnologies in Russia, 2009, 4, 453-466.	0.7	8
143	Laser-induced tissue hyperthermia mediated by gold nanoparticles: toward cancer phototherapy. Journal of Biomedical Optics, 2009, 14, 021016.	2.6	181
144	Comprehensive T-matrix reference database: A 2006-07 update. Journal of Quantitative Spectroscopy and Radiative Transfer, 2008, 109, 1447-1460.	2.3	49

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145	Determination of Size and Concentration of Gold Nanoparticles from Extinction Spectra. Analytical Chemistry, 2008, 80, 6620-6625.	6.5	255
146	Observation of Extra-High Depolarized Light Scattering Spectra from Gold Nanorods. Journal of Physical Chemistry C, 2008, 112, 12760-12768.	3.1	60
147	Spectroturbidimetric determination of the size, concentration, and refractive index of silica nanoparticles. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2008, 105, 732-738.	0.6	6
148	Gold nanoshell photomodification under a single-nanosecond laser pulse accompanied by color-shifting and bubble formation phenomena. Nanotechnology, 2008, 19, 015701.	2.6	62
149	Scattering From Model Nonspherical Particles: Theory and Applications to Environmental Physics, Second Edition. Eos, 2008, 89, 365-365.	0.1	0
150	Optics and biophotonics of nanoparticles with a plasmon resonance. Quantum Electronics, 2008, 38, 504-529.	1.0	207
151	Dynamic of gold nanoparticles labeling studied on the basis of OCT and backscattering spectra of tissues and phantoms. , 2008, , .		1
152	Laser photothermolysis of biological tissues by using plasmon-resonance particles. Quantum Electronics, 2008, 38, 536-542.	1.0	10
153	Enhanced solid-phase immunoassay using gold nanoshells: effect of nanoparticle optical properties. Nanotechnology, 2008, 19, 435703.	2.6	38
154	Coupled plasmon resonances in monolayers of metal nanoparticles and nanoshells. Physical Review B, 2008, 77, .	3.2	74
155	Determination of the Size, Concentration, and Refractive Index of Silica Nanoparticles from Turbidity Spectra. Langmuir, 2008, 24, 8964-8970.	3.5	119
156	Influence of gold nanoparticles on platelets functional activity in vitro. Proceedings of SPIE, 2008, , .	0.8	2
157	<title>Application of gold nanoparticles to x-ray diagnostics and photothermal therapy of cancer</title>. Proceedings of SPIE, 2007, 6536, 86.	0.8	3
158	Near-infrared laser photothermal therapy and photodynamic inactivation of cells by using gold nanoparticles and dyes. Proceedings of SPIE, 2007, , .	0.8	4
159	<title>Multipole plasmons in gold nanorods: scaling properties and dependence on the particle size, shape, orientation, and dielectric environment</title>. , 2007, , .		1
160	<title>Permeability adjustment of polyelectrolyte micro- and nanocapsules by laser irradiation</title>. Proceedings of SPIE, 2007, , .	0.8	2
161	<title>Gold nanoshells as solid-phase dot assay labels</title>. Proceedings of SPIE, 2007, , .	0.8	1
162	<title>Optical properties of gold-nanoshell planar array</title>. , 2007, , .		3

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163	Photoacoustic flow cytometry: principle and application for real-time detection of circulating single nanoparticles, pathogens, and contrast dyes in vivo. Journal of Biomedical Optics, 2007, 12, 051503.	2.6	151
164	<title>Diagnostic potentialities of plasmon-resonant nanoparticles as contrast agents for the diffuse back scattering spectroscopy of biotissues</title>. Proceedings of SPIE, 2007, , .	0.8	1
165	Near-infrared laser photothermal therapy of cancer by using gold nanoparticles: Computer simulations and experiment. Medical Laser Application: International Journal for Laser Treatment and Research, 2007, 22, 199-206.	0.3	67
166	Biosensing potential of silica/gold nanoshells: Sensitivity of plasmon resonance to the local dielectric environment. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 106, 154-169.	2.3	51
167	Comprehensive T-matrix reference database: A 2004â€“06 update. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 106, 304-324.	2.3	74
168	On the extinction multipole plasmons in gold nanorods. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 107, 306-314.	2.3	18
169	Spectra of resonance light scattering of gold nanoshells: Effects of polydispersity and limited electron free path. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2007, 102, 233-241.	0.6	33
170	Multipole Plasmons in Metal Nanorods:â€“ Scaling Properties and Dependence on Particle Size, Shape, Orientation, and Dielectric Environment. Journal of Physical Chemistry C, 2007, 111, 11516-11527.	3.1	173
171	A solid-phase dot assay using silica/gold nanoshells. Nanoscale Research Letters, 2007, 2, 6-11.	5.7	25
172	<title>Optical polarizability of metal nanoparticles and their biospheric conjugates</title>. , 2006, , .		3
173	<title>Plasmon resonance of gold nanoshells: sensitivity to the local dielectric environment</title>. , 2006, , .		1
174	Absorption and scattering of light by a dimer of metal nanospheres: comparison of dipole and multipole approaches. Nanotechnology, 2006, 17, 1437-1445.	2.6	99
175	In vivo photoacoustic flow cytometry for monitoring of circulating single cancer cells and contrast agents. Optics Letters, 2006, 31, 3623.	3.3	211
176	<title>Observation of time-dependent single-particle light scattering from gold nanorods and nanospheres by using unpolarized dark-field microscopy</title>. , 2006, , .		4
177	Depolarization of light scattered by gold nanospheres and nanorods. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2006, 100, 448-455.	0.6	17
178	Ultrasharp light-scattering resonances of structured nanospheres: effects of size-dependent dielectric functions. Journal of Biomedical Optics, 2006, 11, 044002.	2.6	35
179	Optical amplification of photothermal therapy with gold nanoparticles and nanoclusters. Nanotechnology, 2006, 17, 5167-5179.	2.6	368
180	Gold nanorods: Synthesis and optical properties. Colloid Journal, 2006, 68, 661-678.	1.3	117

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181	<title>The adjuvanticity of gold nanoparticles</title>. , 2006, , .		0
182	<title>Optimization of gold nanostructures for laser killing of cancer cells</title>. , 2006, , .		1
183	UV-VIS extinction spectra of gold particle coated by oligonucleotide shell. , 2005, , .		1
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