

Nikolai Grigor Evich Khlebtsov

List of Publications by Year in descending order

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230
papers

11,738
citations

41627

51
h-index

33145

104
g-index

236
all docs

236
docs citations

236
times ranked

16633
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional plasmonic gold nanostars for cancer diagnostic and therapeutic applications. <i>Journal of Biophotonics</i> , 2022, 15, e202100264.	1.1	6
2	Extinction and scattering of light by nonspherical plasmonic particles in absorbing media. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2022, 280, 108069.	1.1	15
3	Photothermal and Photodynamic Therapy of Tumors with Plasmonic Nanoparticles: Challenges and Prospects. <i>Materials</i> , 2022, 15, 1606.	1.3	29
4	Changes in Optical Properties of Model Cholangiocarcinoma after Plasmon-Resonant Photothermal Treatment. <i>Photonics</i> , 2022, 9, 199.	0.9	2
5	SERS and Indicator Paper Sensing of Hydrogen Peroxide Using Au@Ag Nanorods. <i>Sensors</i> , 2022, 22, 3202.	2.1	1
6	Analytical solutions for the surface- and orientation-averaged SERS enhancement factor of small plasmonic particles. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 285-295.	1.2	7
7	Extinction, absorption, and scattering of light by plasmonic spheres embedded in an absorbing host medium. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 23141-23157.	1.3	8
8	Tumor Phantom with Incorporated SERS Tags: Detectability in a Turbid Medium. <i>Photonics</i> , 2021, 8, 144.	0.9	2
9	Introduction to the special issue on surface-enhanced Raman spectroscopy and functionalized plasmonic nanoparticles for biomedical applications. <i>Journal of Innovative Optical Health Sciences</i> , 2021, 14, .	0.5	1
10	Plasmonic nanoparticles and nucleic acids hybrids for targeted gene delivery, bioimaging, and molecular recognition. <i>Journal of Innovative Optical Health Sciences</i> , 2021, 14, .	0.5	13
11	Photostability of Contrast Agents for Photoacoustics: The Case of Gold Nanorods. <i>Nanomaterials</i> , 2021, 11, 116.	1.9	19
12	Metal-Specific Response of High-Resolution ICP-MS for Proteins Binding to Gold Nanoparticles in Human Serum. <i>Analytical Chemistry</i> , 2021, 93, 14918-14922.	3.2	3
13	Optoporation and Recovery of Living Cells under Au Nanoparticle Layer-Mediated NIR-Laser Irradiation. <i>ACS Applied Nano Materials</i> , 2021, 4, 13206-13217.	2.4	7
14	Lateral Flow Immunoassay of SARS-CoV-2 Antigen with SERS-Based Registration: Development and Comparison with Traditional Immunoassays. <i>Biosensors</i> , 2021, 11, 510.	2.3	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. <i>Nanomaterials</i> , 2020, 10, 2228.	1.9	46
17	A novel concept of two-component dielectric function for gold nanostars: theoretical modelling and experimental verification. <i>Nanoscale</i> , 2020, 12, 19963-19981.	2.8	18
18	Small Thiols Stabilize the Shape of Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11132-11140.	1.5	16

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19	Optically activated and interrogated plasmonic hydrogels for applications in wound healing. <i>Journal of Biophotonics</i> , 2020, 13, e202000135.	1.1	15
20	Impact of Kapitza resistance on the stability and efficiency of photoacoustic conversion from gold nanorods. <i>Journal of Colloid and Interface Science</i> , 2020, 578, 358-365.	5.0	12
21	Advantages of Highly Spherical Gold Nanoparticles as Labels for Lateral Flow Immunoassay. <i>Sensors</i> , 2020, 20, 3608.	2.1	19
22	Gap-enhanced Raman tags: fabrication, optical properties, and theranostic applications. <i>Theranostics</i> , 2020, 10, 2067-2094.	4.6	85
23	Petal-like Gap-Enhanced Raman Tags with Controllable Structures for High-Speed Raman Imaging. <i>Langmuir</i> , 2020, 36, 5546-5553.	1.6	16
24	Reexamination of Surface-Enhanced Raman Scattering from Gold Nanorods as a Function of Aspect Ratio and Shape. <i>Journal of Physical Chemistry C</i> , 2020, 124, 10647-10658.	1.5	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 <i>Dunaliella salina</i> 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. <i>ACS Applied Nano Materials</i> , 2019, 2, 5020-5028.	2.4	98
30	Magnetic and Plasmonic Nanoparticles for Biomedical Devices. <i>Journal of Applied Physics</i> , 2019, 126, 170401.	1.1	5
31	Polydopamine coating decreases longitudinal plasmon of Au nanorods: Experiment and simulations. <i>Applied Materials Today</i> , 2019, 15, 67-76.	2.3	14
32	Polydopamine-coated Au nanorods for targeted fluorescent cell imaging and photothermal therapy. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 794-803.	1.5	22
33	A novel cell transfection platform based on laser optoporation mediated by Au nanostar layers. <i>Journal of Biophotonics</i> , 2019, 12, e201800166.	1.1	37
34	SERS-based lateral flow immunoassay of troponin I by using gap-enhanced Raman tags. <i>Nano Research</i> , 2019, 12, 413-420.	5.8	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.	1.5	29
39	Plasmonic photothermal therapy: Approaches to advanced strategy. Lasers in Surgery and Medicine, 2018, 50, 1025-1033.	1.1	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 nanomatryoshkas with embedded Raman reporters. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 190, 89-102.	1.1	19
43	Immunological properties of gold nanoparticles. Chemical Science, 2017, 8, 1719-1735.	3.7	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.	7.3	85
48	Quantitative and multiplex dot-immunoassay using gap-enhanced Raman tags. RSC Advances, 2017, 7, 40834-40841.	1.7	18
49	Rational Design of Ultrabright SERS Probes with Embedded Reporters for Bioimaging and Photothermal Therapy. ACS Applied Materials & Interfaces, 2017, 9, 30387-30397.	4.0	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 2015â€“2017 update. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 202, 240-246.	1.1	31
52	Impact of albumin based approaches in nanomedicine: Imaging, targeting and drug delivery. Advances in Colloid and Interface Science, 2017, 246, 13-39.	7.0	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.	1.1	16
54	Towards Effective Photothermal/Photodynamic Treatment Using Plasmonic Gold Nanoparticles. International Journal of Molecular Sciences, 2016, 17, 1295.	1.8	113

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55	Alterations of morphology of lymphoid organs and peripheral blood indicators under the influence of gold nanoparticles in rats. <i>Journal of Innovative Optical Health Sciences</i> , 2016, 09, 1640004.	0.5	2
56	Biomedical applications of multifunctional gold-based nanocomposites. <i>Biochemistry (Moscow)</i> , 2016, 81, 1771-1789.	0.7	19
57	Optical properties of monodisperse gold nanoshells on silica cores. , 2016, , .		0
58	Multifunctional gold-based nanocomposites for theranostics. <i>Biomaterials</i> , 2016, 108, 13-34.	5.7	106
59	Gold nanoparticle-aided preparation of antibodies to Î±-methylacyl-CoA racemase and its immunochemical detection. <i>Gold Bulletin</i> , 2016, 49, 87-94.	1.1	3
60	Gold nanoparticle-assisted polymerase chain reaction: effects of surface ligands, nanoparticle shape and material. <i>RSC Advances</i> , 2016, 6, 110146-110154.	1.7	28
61	Surface Morphology of a Gold Core Controls the Formation of Hollow or Bridged Nanogaps in Plasmonic Nanomatryoshkas and Their SERS Responses. <i>Journal of Physical Chemistry C</i> , 2016, 120, 15385-15394.	1.5	34
62	Surface-enhanced Raman scattering inside Au@Ag core/shell nanorods. <i>Nano Research</i> , 2016, 9, 2303-2318.	5.8	85
63	Comprehensive thematic T-matrix reference database: A 2014â€“2015 update. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 178, 276-283.	1.1	28
64	The morphological changes in transplanted tumors in rats at plasmonic photothermal therapy. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
65	The morphological changes in the internal organs of laboratory animals after prolonged oral administration of gold nanoparticles. <i>Journal of Innovative Optical Health Sciences</i> , 2016, 09, 1642004.	0.5	0
66	Colorimetric Evaluation of the Viability of the Microalga <i>Dunaliella Salina</i> as a Test Tool for Nanomaterial Toxicity. <i>Toxicological Sciences</i> , 2016, 151, 115-125.	1.4	19
67	Au-nanocluster-loaded human serum albumin nanoparticles with enhanced cellular uptake for fluorescent imaging. <i>Journal of Innovative Optical Health Sciences</i> , 2016, 09, 1650004.	0.5	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. <i>Russian Chemical Reviews</i> , 2015, 84, 27-42.	2.5	8
70	The morpho-functional assessment of plasmonic photothermal therapy effects on transplanted liver tumor. <i>Journal of Innovative Optical Health Sciences</i> , 2015, 08, 1541004.	0.5	12
71	Laboratory test system for the evaluation of nanomaterial toxicity on <i>Dunaliella salina</i> microalgae. <i>Nanotechnologies in Russia</i> , 2015, 10, 109-119.	0.7	7
72	Optical properties of plasmon-resonant bare and silica-coated nanostars used for cell imaging. <i>Journal of Biomedical Optics</i> , 2015, 20, 076017.	1.4	21

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73	Multifunctional Au nanoclusters for targeted bioimaging and enhanced photodynamic inactivation of <i>Staphylococcus aureus</i> . <i>RSC Advances</i> , 2015, 5, 61639-61649.	1.7	40
74	Gold Nanoisland Films as Reproducible SERS Substrates for Highly Sensitive Detection of Fungicides. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6518-6529.	4.0	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. <i>Colloid Journal</i> , 2015, 77, 652-660.	0.5	22
77	Au@Ag core/shell cuboids and dumbbells: Optical properties and SERS response. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2015, 167, 64-75.	1.1	57
78	Gold nanostructures for OCT imaging of capillary flow. <i>Proceedings of SPIE</i> , 2014, , .	0.8	4
79	The reversibility of morphological changes in the mesenteric lymph nodes after peroral administration of gold nanoparticles. <i>Proceedings of SPIE</i> , 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. <i>Russian Open Medical Journal</i> , 2014, 3, 0301.	0.1	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. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 146, 349-354.	1.1	40
83	A new nanobiomaterial: particles of liquid-crystalline DNA dispersions with embedded clusters of gold nanoparticles. <i>Nanotechnologies in Russia</i> , 2014, 9, 194-202.	0.7	4
84	Overgrowth of Gold Nanorods by Using a Binary Surfactant Mixture. <i>Langmuir</i> , 2014, 30, 1696-1703.	1.6	93
85	Extinction and extra-high depolarized light scattering spectra of gold nanorods with improved purity and dimension tunability: direct and inverse problems. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 5710-5722.	1.3	13
86	Gold nanorods with a hematoporphyrin-loaded silica shell for dual-modality photodynamic and photothermal treatment of tumors in vivo. <i>Nano Research</i> , 2014, 7, 325-337.	5.8	136
87	Uptake of Engineered Gold Nanoparticles into Mammalian Cells. <i>Chemical Reviews</i> , 2014, 114, 1258-1288.	23.0	253
88	Comparative study of the physical, chemical, and multimodal approaches to enhancing nanoparticle transport in the skin with model dermatitis. <i>Nanotechnologies in Russia</i> , 2014, 9, 559-570.	0.7	2
89	Structural nanotechnology of nucleic acids: Designing â€œLiquidâ€ and â€œRigidâ€ DNA nanoconstructions. <i>Herald of the Russian Academy of Sciences</i> , 2014, 84, 252-264.	0.2	1
90	Penetration of Pegylated Gold Nanoparticles Through Rat Placental Barrier. <i>Bulletin of Experimental Biology and Medicine</i> , 2014, 157, 383-385.	0.3	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. <i>Nanotechnology</i> , 2014, 25, 405602.	1.3	18
92	Improved size-tunable synthesis and SERS properties of Au nanostars. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	42
93	Enhanced photoinactivation of <i>Staphylococcus aureus</i> with nanocomposites containing plasmonic particles and hematoporphyrin. <i>Journal of Biophotonics</i> , 2013, 6, 338-351.	1.1	51
94	A simple Mie-type model for silica-coated gold nanocages. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 121, 23-29.	1.1	15
95	Surface-Enhanced Raman Scattering Substrates Based on Self-Assembled PEGylated Gold and Gold-Silver Core-Shell Nanorods. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23162-23171.	1.5	56
96	Gold nanorods as a perspective technology platform for SERS analytics. <i>Russian Journal of General Chemistry</i> , 2013, 83, 2203-2211.	0.3	4
97	DNA detection assay based on fluorescence quenching of rhodamine B by gold nanoparticles: The optical mechanisms. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 131, 34-42.	1.1	15
98	Cancer laser therapy using gold nanoparticles. , 2013, , 659-703.		6
99	T-matrix method in plasmonics: An overview. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 123, 184-217.	1.1	93
100	Comprehensive T-matrix reference database: A 2012-2013 update. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 123, 145-152.	1.1	32
101	Analytical and Theranostic Applications of Gold Nanoparticles and Multifunctional Nanocomposites. <i>Theranostics</i> , 2013, 3, 167-180.	4.6	166
102	Synthesis and optical properties of poly(N-isopropylacrylamide) nanogel containing silver nanoparticles. <i>Colloid Journal</i> , 2013, 75, 333-338.	0.5	4
103	New types of nanomaterials: powders of gold nanospheres, nanorods, nanostars, and gold-silver nanocages. <i>Nanotechnologies in Russia</i> , 2013, 8, 209-219.	0.7	22
104	SERS substrates formed by gold nanorods deposited on colloidal silica films. <i>Nanoscale Research Letters</i> , 2013, 8, 250.	3.1	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. <i>Theranostics</i> , 2013, 3, 1012-1012.	4.6	3
107	Accumulation and biodistribution of gold nanoparticles in the mesenteric lymph nodes at oral administration. <i>Russian Open Medical Journal</i> , 2013, 2, 0301.	0.1	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. <i>Nanotechnologies in Russia</i> , 2012, 7, 359-369.	0.7	6
110	Gold nanoparticles in biomedical applications: recent advances and perspectives. <i>Chemical Society Reviews</i> , 2012, 41, 2256-2282.	18.7	1,629
111	Plasmonic Nanopowders for Photothermal Therapy of Tumors. <i>Langmuir</i> , 2012, 28, 8994-9002.	1.6	45
112	Study of polyol synthesis reaction parameters controlling high yield of silver nanocubes. <i>Colloid Journal</i> , 2012, 74, 99-109.	0.5	39
113	Photothermal effects induced by laser heating of gold nanorods in suspensions and inoculated tumours during in vivo experiments. <i>Quantum Electronics</i> , 2012, 42, 380-389.	0.3	29
114	Use of fractional laser microablation and ultrasound to facilitate the delivery of gold nanoparticles into skin in vivo. <i>Quantum Electronics</i> , 2012, 42, 471-477.	0.3	15
115	Comprehensive T-matrix reference database: A 2009–2011 update. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2012, 113, 1844-1852.	1.1	21
116	Multiplexed dot immunoassay using Ag nanocubes, Au/Ag alloy nanoparticles, and Au/Ag nanocages. <i>Nano Research</i> , 2012, 5, 124-134.	5.8	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 <i>Staphylococcus aureus</i> induced by IR laser radiation. <i>Quantum Electronics</i> , 2011, 41, 354-359.	0.3	27
119	Colorimetric and dynamic light scattering detection of DNA sequences by using positively charged gold nanospheres: a comparative study with gold nanorods. <i>Nanotechnology</i> , 2011, 22, 285501.	1.3	28
120	A New T-Matrix Solvable Model for Nanorods: TEM-Based Ensemble Simulations Supported by Experiments. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6317-6323.	1.5	59
121	Nanocomposites Containing Silica-Coated Gold–Silver Nanocages and Yb–2,4-Dimethoxyhematoporphyrin: Multifunctional Capability of IR-Luminescence Detection, Photosensitization, and Photothermolysis. <i>ACS Nano</i> , 2011, 5, 7077-7089.	7.3	143
122	Biodistribution and toxicity of gold nanoparticles. <i>Nanotechnologies in Russia</i> , 2011, 6, 17-42.	0.7	11
123	Composite multifunctional nanoparticles based on silica-coated gold-silver nanocages functionalized by Yb-hematoporphyrin. <i>Nanotechnologies in Russia</i> , 2011, 6, 496-503.	0.7	9
124	On the measurement of gold nanoparticle sizes by the dynamic light scattering method. <i>Colloid Journal</i> , 2011, 73, 118-127.	0.5	177
125	Effects of shape and charge of colloidal gold nanoparticles in colorimetric determination of DNA sequences. <i>Colloid Journal</i> , 2011, 73, 368-377.	0.5	4
126	Interaction of albumin and β -globulin molecules with gold nanoparticles in water solutions. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika)</i> , 2011, 66, 449-452.	0.1	6

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127	Biodistribution and toxicity of engineered gold nanoparticles: a review of in vitro and in vivo studies. <i>Chemical Society Reviews</i> , 2011, 40, 1647-1671.	18.7	1,331
128	Mutagenic Effect of Gold Nanoparticles in the Micronucleus Assay. <i>Bulletin of Experimental Biology and Medicine</i> , 2011, 151, 731-733.	0.3	9
129	Quantitative cell bioimaging using gold-nanoshell conjugates and phage antibodies. <i>Journal of Biophotonics</i> , 2011, 4, 74-83.	1.1	29
130	Plasmonic Nanoparticles. <i>Series in Medical Physics and Biomedical Engineering</i> , 2010, , 37-85.	0.1	13
131	Spectroturbidimetric determination of the sizes of poly(ethylene glycol)-induced insoluble immune complex particles. <i>Colloid Journal</i> , 2010, 72, 504-511.	0.5	2
132	Silver nanocubes and gold nanocages: Fabrication and optical and photothermal properties. <i>Nanotechnologies in Russia</i> , 2010, 5, 454-468.	0.7	40
133	Optical properties and biomedical applications of plasmonic nanoparticles. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2010, 111, 1-35.	1.1	551
134	Comprehensive T-matrix reference database: A 2007-2009 update. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2010, 111, 650-658.	1.1	55
135	Attenuation, scattering, and depolarization of light by gold nanorods with silver shells. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2010, 108, 59-69.	0.2	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. <i>Journal of Nanophotonics</i> , 2010, 4, 041587.	0.4	26
138	Tunable depolarized light scattering from gold and gold/silver nanorods. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 3210.	1.3	35
139	Cancer Laser Thermotherapy Mediated by Plasmonic Nanoparticles. <i>Series in Medical Physics and Biomedical Engineering</i> , 2010, , 763-797.	0.1	7
140	Circulation and distribution of gold nanoparticles and induced alterations of tissue morphology at intravenous particle delivery. <i>Journal of Biophotonics</i> , 2009, 2, 292-302.	1.1	144
141	On the Enhanced Antibacterial Activity of Antibiotics Mixed with Gold Nanoparticles. <i>Nanoscale Research Letters</i> , 2009, 4, 794-801.	3.1	188
142	Fabrication, stabilization, and optical properties of gold nanorods with silver shells. <i>Nanotechnologies in Russia</i> , 2009, 4, 453-466.	0.7	8
143	Laser-induced tissue hyperthermia mediated by gold nanoparticles: toward cancer phototherapy. <i>Journal of Biomedical Optics</i> , 2009, 14, 021016.	1.4	181
144	Comprehensive T-matrix reference database: A 2006-07 update. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2008, 109, 1447-1460.	1.1	49

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145	Determination of Size and Concentration of Gold Nanoparticles from Extinction Spectra. Analytical Chemistry, 2008, 80, 6620-6625.	3.2	255
146	Observation of Extra-High Depolarized Light Scattering Spectra from Gold Nanorods. Journal of Physical Chemistry C, 2008, 112, 12760-12768.	1.5	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.	0.2	6
148	Gold nanoshell photomodification under a single-nanosecond laser pulse accompanied by color-shifting and bubble formation phenomena. Nanotechnology, 2008, 19, 015701.	1.3	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.	0.3	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.	0.3	10
153	Enhanced solid-phase immunoassay using gold nanoshells: effect of nanoparticle optical properties. Nanotechnology, 2008, 19, 435703.	1.3	38
154	Coupled plasmon resonances in monolayers of metal nanoparticles and nanoshells. Physical Review B, 2008, 77, .	1.1	74
155	Determination of the Size, Concentration, and Refractive Index of Silica Nanoparticles from Turbidity Spectra. Langmuir, 2008, 24, 8964-8970.	1.6	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. <i>Journal of Biomedical Optics</i> , 2007, 12, 051503.	1.4	151
164	<title>Diagnostic potentialities of plasmon-resonant nanoparticles as contrast agents for the diffuse back scattering spectroscopy of biotissues</title>. <i>Proceedings of SPIE</i> , 2007, , .	0.8	1
165	Near-infrared laser photothermal therapy of cancer by using gold nanoparticles: Computer simulations and experiment. <i>Medical Laser Application: International Journal for Laser Treatment and Research</i> , 2007, 22, 199-206.	0.4	67
166	Biosensing potential of silica/gold nanoshells: Sensitivity of plasmon resonance to the local dielectric environment. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2007, 106, 154-169.	1.1	51
167	Comprehensive T-matrix reference database: A 2004â€™06 update. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2007, 106, 304-324.	1.1	74
168	On the extinction multipole plasmons in gold nanorods. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2007, 107, 306-314.	1.1	18
169	Spectra of resonance light scattering of gold nanoshells: Effects of polydispersity and limited electron free path. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2007, 102, 233-241.	0.2	33
170	Multipole Plasmons in Metal Nanorods:â€™ Scaling Properties and Dependence on Particle Size, Shape, Orientation, and Dielectric Environment. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11516-11527.	1.5	173
171	A solid-phase dot assay using silica/gold nanoshells. <i>Nanoscale Research Letters</i> , 2007, 2, 6-11.	3.1	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. <i>Nanotechnology</i> , 2006, 17, 1437-1445.	1.3	99
175	In vivo photoacoustic flow cytometry for monitoring of circulating single cancer cells and contrast agents. <i>Optics Letters</i> , 2006, 31, 3623.	1.7	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. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2006, 100, 448-455.	0.2	17
178	Ultrasharp light-scattering resonances of structured nanospheres: effects of size-dependent dielectric functions. <i>Journal of Biomedical Optics</i> , 2006, 11, 044002.	1.4	35
179	Optical amplification of photothermal therapy with gold nanoparticles and nanoclusters. <i>Nanotechnology</i> , 2006, 17, 5167-5179.	1.3	368
180	Gold nanorods: Synthesis and optical properties. <i>Colloid Journal</i> , 2006, 68, 661-678.	0.5	117

#	ARTICLE	IF	CITATIONS
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
184	Optical properties of gold spheroidal particles and nanoshells: Effect of the external dielectric medium. , 2005, , .		7
185	A protein assay based on colloidal gold conjugates with trypsin. Analytical Biochemistry, 2005, 341, 16-21.	1.1	45
186	The effect of the size, shape, and structure of metal nanoparticles on the dependence of their optical properties on the refractive index of a disperse medium. Optics and Spectroscopy (English Translation) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.2	10
187	Optical Properties of Colloidal Gold-Oligothymidine Conjugates and Their Variations on Hybridization with Polyadenylic Acid. Colloid Journal, 2005, 67, 413-421.	0.5	6
188	Synthesis, fractionation, and optical characterization of Au-Ag composite nanorods. , 2005, , .		3
189	<title>Dependence of the optical properties of metal nanoparticles on the external dielectric medium: effects of the particle size, shape, and structure</title>. , 2005, , .		5
190	Preparation and optical scattering characterization of gold nanorods and their application to a dot-immunogold assay. Applied Optics, 2005, 44, 6285.	2.1	82
191	Can the Light Scattering Depolarization Ratio of Small Particles Be Greater Than 1/3?. Journal of Physical Chemistry B, 2005, 109, 13578-13584.	1.2	56
192	<title>Gold nanoparticle sizing based on differential static light scattering spectroscopy, absorption spectroscopy, and dynamic light scattering</title>. , 2004, , .		2
193	<title>Structure of insoluble immune complexes as studied by spectroturbidimetry and dynamic light scattering</title>. , 2004, 5475, 26.		1
194	Measurement of mean size and evaluation of polydispersity of gold nanoparticles from spectra of optical absorption and scattering. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.2	10
195	A new spectral resonance of metallic nanorods. Optics and Spectroscopy (English Translation of) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.2	17
196	<title>Plasmon resonances of silver and gold nanorods</title>. , 2004, , .		9
197	T-matrix theory of electromagnetic scattering by particles and its applications: a comprehensive reference database. Journal of Quantitative Spectroscopy and Radiative Transfer, 2004, 88, 357-406.	1.1	202
198	Differential light-scattering spectroscopy: a new approach to studying of colloidal gold nanosensors. Journal of Quantitative Spectroscopy and Radiative Transfer, 2004, 89, 133-142.	1.1	41

#	ARTICLE	IF	CITATIONS
199	Optical models for conjugates of gold and silver nanoparticles with biomacromolecules. Journal of Quantitative Spectroscopy and Radiative Transfer, 2004, 89, 143-153.	1.1	36
200	<title>Study of complex micellar systems by static and dynamic light scattering</title>. , 2004, 5475, 12.		3
201	A method for studying insoluble immune complexes. Biochimica Et Biophysica Acta - General Subjects, 2004, 1670, 199-207.	1.1	13
202	Title is missing!. Colloid Journal, 2003, 65, 622-635.	0.5	54
203	Title is missing!. Colloid Journal, 2003, 65, 652-655.	0.5	13
204	Title is missing!. Colloid Journal, 2003, 65, 508-518.	0.5	23
205	Studies of phosphatidylcholine vesicles by spectroturbidimetric and dynamic light scattering methods. Journal of Quantitative Spectroscopy and Radiative Transfer, 2003, 79-80, 825-838.	1.1	13
206	Orientation-averaged radiative properties of an arbitrary configuration of scatterers. Journal of Quantitative Spectroscopy and Radiative Transfer, 2003, 79-80, 1121-1137.	1.1	66
207	<title>Biospecific assembling of gold nanoparticles with protein or oligonucleotide linkers as studied by light scattering and extinction spectra</title>. , 2002, , .		1
208	<title>Liposomes by quasielastic light scattering and spectroturbidimetry</title>. , 2002, 4707, 261.		0
209	Title is missing!. Colloid Journal, 2002, 64, 671-680.	0.5	20
210	<title>Quantitative immunoassay method based on the extinction spectra of colloidal gold bioconjugates</title>. , 2001, 4241, 37.		4
211	Spectroturbidimetry of Liposome Suspensions. Colloid Journal, 2001, 63, 491-498.	0.5	6
212	Structural Anisotropy of Fractal Aggregates and Its Exhibition in Electrooptical Effects. Colloid Journal, 2001, 63, 481-490.	0.5	1
213	Orientalional averaging of integrated cross sections in the discrete dipole method. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2001, 90, 408-415.	0.2	6
214	<title>Light-scattering spectra of colloidal gold aggregates: experimental measurements and theoretical simulations</title>. , 2001, 4241, 42.		3
215	An approximate method for calculating scattering and absorption of light by fractal aggregates. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2000, 88, 594-601.	0.2	9
216	Electrooptic effects in dilute suspensions of bacterial cells and fractal aggregates. Journal of Quantitative Spectroscopy and Radiative Transfer, 1999, 63, 469-478.	1.1	8

#	ARTICLE	IF	CITATIONS
217	Relaxation optic phenomena in polydisperse suspensions and determination of particle sizes using transmitted light parameters. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 148, 17-28.	2.3	12
218	Electro-optical properties of microbial cells as affected by acrylamide metabolism. <i>Analytica Chimica Acta</i> , 1997, 347, 241-247.	2.6	15
219	Spectroturbidimetry of fractal clusters: test of density correlation function cutoff. <i>Applied Optics</i> , 1996, 35, 4261.	2.1	13
220	<title>Spectral properties of colloidal gold and its conjugates with biospecific macromolecules</title>. , 1996, 2629, 35.		1
221	Spectral Extinction of Colloidal Gold and Its Biospecific Conjugates. <i>Journal of Colloid and Interface Science</i> , 1996, 180, 436-445.	5.0	141
222	<title>Investigation of the dynamics of enzymatic cytolytic processes with high-speed spectroturbidimetry</title>. , 1995, , .		0
223	Structure Factor and Exponent of Scattering by Polydisperse Fractal Colloidal Aggregates. <i>Journal of Colloid and Interface Science</i> , 1994, 163, 145-151.	5.0	17
224	<title>Anisotropic and spectral properties of biological scattering objects with the ordered particle orientation</title>. , 1994, 2082, 33.		5
225	<title>Inverse problems in spectroturbidimetry of biological disperse systems with random and ordered particle orientation</title>. , 1994, 2082, 167.		6
226	Optics of Fractal Clusters in the Anomalous Diffraction Approximation. <i>Journal of Modern Optics</i> , 1993, 40, 2221-2235.	0.6	19
227	<title>Spectroturbidimetry as applied to biomedical and immunological investigations</title>. , 1993, , .		8
228	Orientalional averaging of light-scattering observables in the T-matrix approach. <i>Applied Optics</i> , 1992, 31, 5359.	2.1	84
229	Integral equation for light scattering problems: Application to the orientationally induced birefringence of colloidal dispersions. <i>Journal of Colloid and Interface Science</i> , 1991, 142, 396-408.	5.0	7
230	The linear dichroism and birefringence of colloidal dispersions: Approximate and exact approaches. <i>Journal of Colloid and Interface Science</i> , 1991, 146, 463-478.	5.0	26