

Jian-jun Li

List of Publications by Year in descending order

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84
papers

1,663
citations

279798

23
h-index

361022

35
g-index

85
all docs

85
docs citations

85
times ranked

2192
citing authors

#	ARTICLE	IF	CITATIONS
1	Improve the Hole Size-Dependent Refractive Index Sensitivity of Au-Ag Nanocages by Tuning the Alloy Composition. <i>Plasmonics</i> , 2022, 17, 597-612.	3.4	5
2	Plasmonic refractive index sensitivity of tetrapod gold nanostars: tuning the branch length and protein layer. <i>European Physical Journal D</i> , 2022, 76, 1.	1.3	1
3	Theoretical simulation of nonlinear regulation of wall thickness dependent longitudinal surface plasmon in pentagonal gold nanotubes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 273, 121037.	3.9	0
4	Colorimetric determination of cysteine based on inhibition of GSH-Au/Pt NCs as peroxidase mimic. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 248, 119257.	3.9	23
5	Gold nanoring core-shell satellites with abundant built-in hotspots and great analyte penetration: An immunoassay platform for the SERS/fluorescence-based detection of carcinoembryonic antigen. <i>Chemical Engineering Journal</i> , 2021, 409, 128173.	12.7	25
6	Improve the plasmonic optical tunability of Au nanorod by Pt coating: the application in refractive index sensing. <i>European Physical Journal D</i> , 2021, 75, 1.	1.3	0
7	Recent progress in the optical detection of pathogenic bacteria based on noble metal nanoparticles. <i>Mikrochimica Acta</i> , 2021, 188, 258.	5.0	24
8	Tuning quadruple surface plasmon resonance in gold nanoellipsoid with platinum coating: from ultraviolet to near infrared. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	3
9	Selective controlling transverse plasmon spectrum of pentagonal gold nanotube: from visible to near-infrared region. <i>Nanotechnology</i> , 2021, 32, 445202.	2.6	1
10	Heterodimers of metal nanoparticles: synthesis, properties, and biological applications. <i>Mikrochimica Acta</i> , 2021, 188, 345.	5.0	8
11	Spiky yolk-shell AuAg bimetallic nanorods with uniform interior gap for the SERS detection of thiram residues in fruit juice. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 262, 120108.	3.9	16
12	Tyrosine-Decorated Gold Nanoclusters Chelated Cerium(III) for Fluorescence Detection of Dopamine. <i>ACS Applied Nano Materials</i> , 2021, 4, 13501-13509.	5.0	9
13	Fine-tunable fluorescence quenching properties of core-satellite assemblies of gold nanorod-nanosphere: Application in sensitive detection of Hg ²⁺ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117776.	3.9	6
14	Gold nanotubes: synthesis, properties and biomedical applications. <i>Mikrochimica Acta</i> , 2020, 187, 612.	5.0	25
15	A highly specific and sensitive fluorescence quenching probe for carcinoembryonic antigen detection based on tetrapod Au nanostars with Ag coating. <i>Materials Today Communications</i> , 2020, 25, 101373.	1.9	9
16	Colorimetric determination and recycling of Hg ²⁺ based on etching-induced morphology transformation from hollow AuAg nanocages to nanoboxes. <i>Journal of Alloys and Compounds</i> , 2020, 828, 154392.	5.5	15
17	The morphology regulation and plasmonic spectral properties of Au@AuAg yolk-shell nanorods with controlled interior gap. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 236, 118343.	3.9	9
18	A plasmonic and SERS dual-mode iodide ions detecting probe based on the etching of Ag-coated tetrapod gold nanostars. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	1.9	5

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19	A SERS-based immunoassay for the detection of α -fetoprotein using AuNS@Ag@SiO ₂ core-shell nanostars. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8432-8441.	5.5	35
20	Switching the plasmon coupling of fractional hollow AuAg nanobox by asymmetrical etching of the inner Ag core. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 255301.	2.8	6
21	Fluorescence turn-on sensing of L-cysteine based on FRET between Au-Ag nanoclusters and Au nanorods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 217, 247-255.	3.9	22
22	SERS detection of glucose using graphene-oxide-wrapped gold nanobones with silver coating. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3322-3334.	5.5	38
23	Creating Orientation-Independent Built-In Hot Spots in Gold Nanoframe with Multi-Breakages. <i>Plasmonics</i> , 2019, 14, 1131-1143.	3.4	7
24	Growth of Spherical Gold Satellites on the Surface of Au@Ag@SiO ₂ Core-Shell Nanostructures Used for an Ultrasensitive SERS Immunoassay of Alpha-Fetoprotein. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 3617-3626.	8.0	72
25	Local dielectric environment-dependent plasmonic optical sensitivity of gold nanocage: from nanobox to nanoframe. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	16
26	The synthesis of Ag-coated tetrapod gold nanostars and the improvement of surface-enhanced Raman scattering. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 211, 154-165.	3.9	26
27	Plasmonic spectral determination of Hg(II) based on surface etching of Au-Ag core-shell triangular nanoplates: From spectrum peak to dip. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 207, 337-347.	3.9	25
28	Clinical comparison between a percutaneous hydraulic pressure delivery system and balloon tamp system using high-viscosity cement for the treatment of osteoporotic vertebral compression fractures. <i>Clinics</i> , 2019, 74, e741.	1.5	3
29	Etching-dependent fluorescence quenching of Ag-dielectric-Au three-layered nanoshells: The effect of inner Ag nanosphere. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 200, 43-50.	3.9	8
30	Using silicon-coated gold nanoparticles to enhance the fluorescence of CdTe quantum dot and improve the sensing ability of mercury (II). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 188, 170-178.	3.9	22
31	Colorimetric determination of Hg(II) by combining the etching and aggregation effect of cysteine-modified Au-Ag core-shell nanorods. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2927-2935.	7.8	46
32	Multi-branched gold nanostars with fractal structure for SERS detection of the pesticide thiram. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 189, 586-593.	3.9	80
33	Reversible Tuning the Aspect Ratio and Plasmonic Shift of Gold Nanorods in Alkaline Environment: Growth, Etching and Rebuilding. <i>Plasmonics</i> , 2018, 13, 1433-1439.	3.4	4
34	A colorimetric/SERS dual-mode sensing method for the detection of mercury(II) based on rhodanine-stabilized gold nanobipyramids. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12283-12293.	5.5	42
35	Notch1 promotes mouse spinal neural stem and progenitor cells proliferation via p-p38-pax6 induced cyclin D1 activation. <i>Experimental Cell Research</i> , 2018, 373, 80-90.	2.6	10
36	Selective oxidative etching of CTAC-stabilized multi-branched gold nanoparticles: application in spectral sensing of iodide ions. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	1.9	11

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37	Synthesis and SERS activity of super-multibranched Au Ag nanostructure via silver coating-induced aggregation of nanostars. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 204, 380-387.	3.9	26
38	Synthesis of dual-functional Ag/Au nanoparticles based on the decreased cavitating rate under alkaline conditions and the colorimetric detection of mercury(Hg^{2+}) and lead(Pb^{2+}). <i>Journal of Materials Chemistry C</i> , 2018, 6, 7557-7567.	5.5	13
39	SERS detection of 4-Aminobenzenethiol based on triangular Au-AuAg hierarchical-multishell nanostructure. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 204, 754-762.	3.9	8
40	Polyester-based nanoparticles for nucleic acid delivery. <i>Materials Science and Engineering C</i> , 2018, 92, 983-994.	7.3	47
41	Fluorescence turn-on sensing of trace cadmium ions based on EDTA-etched CdTe@CdS quantum dot. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 201, 119-127.	3.9	28
42	Enlarge the biologic coating-induced absorbance enhancement of Au-Ag bimetallic nanoshells by tuning the metal composition. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 189, 571-577.	3.9	17
43	CdTe quantum dot-based fluorescent probes for selective detection of Hg (II): The effect of particle size. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 177, 140-146.	3.9	40
44	Recent advances in activatable fluorescence imaging probes for tumor imaging. <i>Drug Discovery Today</i> , 2017, 22, 1367-1374.	6.4	51
45	Small and Sharp Triangular Silver Nanoplates Synthesized Utilizing Tiny Triangular Nuclei and Their Excellent SERS Activity for Selective Detection of Thiram Residue in Soil. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17387-17398.	8.0	83
46	Synthesis of colloidal gold nanobones with tunable negative curvatures at end surface and their application in SERS. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	1.9	14
47	Specific Detection of Carcinoembryonic Antigen Based on Fluorescence Quenching of Hollow Porous Gold Nanoshells with Roughened Surface. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36632-36641.	8.0	40
48	Multi-branch Au/Ag bimetallic core-shell-satellite nanoparticles as a versatile SERS substrate: the effect of Au branches in a mesoporous silica interlayer. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12678-12687.	5.5	34
49	Synthesis of gold nanostars with fractal structure: application in surface-enhanced Raman scattering. <i>European Physical Journal B</i> , 2017, 90, 1.	1.5	8
50	Dual-mode melamine detection based on gold nanoparticles aggregation-induced fluorescence turn-on and turn-off of CdTe quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 906-915.	7.8	42
51	Focus and enlarge the enhancement region of local electric field by overlapping Ag triangular nanoplates. <i>EPJ Applied Physics</i> , 2016, 73, 10501.	0.7	4
52	Highly improved synthesis of gold nanobipyramids by tuning the concentration of hydrochloric acid. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	16
53	Morphology modification of gold nanoparticles from nanoshell to C-shape: Improved surface enhanced Raman scattering. <i>Journal of Applied Physics</i> , 2016, 119, 243104.	2.5	8
54	Halide ions can trigger the oxidative etching of gold nanorods with the iodide ions being the most efficient. <i>Journal of Materials Science</i> , 2016, 51, 7678-7690.	3.7	34

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55	Improve the Plasmonic Spectral Detection of Alpha-Fetoprotein: the Effect of Branch Length on the Coagulation of Gold Nanostars. <i>Plasmonics</i> , 2016, 11, 1175-1182.	3.4	6
56	Tuning the EDTA-induced self-assembly and plasmonic spectral properties of gold nanorods: application in surface-enhanced Raman scattering. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	2
57	Colorimetric detection of lead(Pb^{2+}) ions based on accelerating surface etching of gold nanorods to nanospheres: the effect of sodium thiosulfate. <i>RSC Advances</i> , 2016, 6, 25611-25619.	3.6	46
58	Tuning the Fluorescence Quenching Properties of Plasmonic Ag-Coated-Au Triangular Nanoplates: Application in Ultrasensitive Detection of CEA. <i>Plasmonics</i> , 2016, 11, 565-572.	3.4	16
59	Size-dependent production of radicals in catalyzed reduction of Eosin Y using gold nanorods. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	0
60	Misalign-dependent double plasmon modes of gold triangular nanoplate dimers. <i>Journal of Applied Physics</i> , 2015, 117, 063102.	2.5	12
61	A promising direct visualization of an Au@Ag nanorod-based colorimetric sensor for trace detection of alpha-fetoprotein. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6035-6045.	5.5	49
62	The Effect of Dielectric Coating on the Local Electric Field Enhancement of Au-Ag Core-Shell Nanoparticles. <i>Plasmonics</i> , 2015, 10, 1-8.	3.4	45
63	Fluorescence spectral detection of cysteine based on the different medium-coated gold nanorods-Rhodamine 6G probe: From quenching to enhancement. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 1279-1287.	7.8	19
64	Tuning the shell thickness-dependent plasmonic absorption of Ag coated Au nanocubes: The effect of synthesis temperature. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 199, 113-120.	3.5	18
65	Silver nanoclusters emitting weak NIR fluorescence biomineralized by BSA. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 134, 40-47.	3.9	17
66	Tuning the plasmon band number of aluminum nanorod within the ultraviolet-visible region by gold coating. <i>Physics of Plasmas</i> , 2014, 21, 112108.	1.9	7
67	Polarization-Dependent Resonance Light Scattering of Biomolecular Layer Coated Gold Nanoshell. <i>Plasmonics</i> , 2014, 9, 47-54.	3.4	0
68	The Study of Surface Plasmon Resonance in Au-Ag-Au Three-Layered Bimetallic Nanoshell: The Effect of Separate Ag Layer. <i>Plasmonics</i> , 2014, 9, 435-441.	3.4	18
69	The effect of nonhomogeneous silver coating on the plasmonic absorption of Au@Ag core-shell nanorod. <i>Gold Bulletin</i> , 2014, 47, 47-55.	2.4	32
70	Plasmonic sensing of CTAB in gold nanorods solution based on Cu(II) ions-mediated H ₂ O ₂ etching effect. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	20
71	Improve the refractive index sensitivity of coaxial-cable type gold nanostructure: the effect of dielectric polarization from the separate layer. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	17
72	Obtain Quadruple Intense Plasmonic Resonances from Multilayered Gold Nanoshells by Silver Coating: Application in Multiplex Sensing. <i>Plasmonics</i> , 2013, 8, 1493-1499.	3.4	18

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73	Plasmonic Spectral Detection of Carcinoembryonic Antigen by Preventing the Direct Binding of Rhodamine 6G with Au Nanoparticles. <i>Plasmonics</i> , 2013, 8, 1003-1009.	3.4	9
74	Frequency-Dependent Polarization Properties of Local Electric Field in Gold Dielectric Multi-Nanoshells. <i>Plasmonics</i> , 2013, 8, 417-424.	3.4	8
75	Optimization of the refractive index plasmonic sensing of gold nanorods by non-uniform silver coating. <i>Sensors and Actuators B: Chemical</i> , 2013, 183, 556-564.	7.8	36
76	Improve the fluorescence quenching efficiency of gold nanorod by silver coating. <i>Applied Physics Letters</i> , 2013, 103, 193703.	3.3	14
77	Effect of dielectric coating on the sensing capability of gold nanorods based on plasmonic band widening. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	4
78	Distance-Dependent Fluorescence Quenching Efficiency of Gold Nanodisk: Effect of Aspect Ratio-Dependent Plasmonic Absorption. <i>Plasmonics</i> , 2012, 7, 201-207.	3.4	12
79	Tuning the wavelength drift between resonance light absorption and scattering of plasmonic nanoparticle. <i>Applied Physics Letters</i> , 2011, 99, 101901.	3.3	18
80	The Effect of Gold Colloid on the Fluorescence Spectrum from Safranin T: A Physical Mechanism Based on Resonance Light Scattering. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 4114-4118.	0.9	0
81	Resonance scattering amplification assay of biomolecules based on the biomineralization of gold nanoparticles bioconjugates. <i>Journal of Colloid and Interface Science</i> , 2011, 363, 182-186.	9.4	20
82	Multifactor-Controlled Non-Monotonic Plasmon Shift of Ordered Gold Nanodisk Arrays: Shape-Dependent Interparticle Coupling. <i>Plasmonics</i> , 2011, 6, 261-267.	3.4	11
83	Effect of gold nanoparticles on the fluorescence excitation spectrum of β -fetoprotein: Local environment dependent fluorescence quenching. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 243-247.	3.9	6
84	Tunable optical limiting of gold nanorod thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 97, 431-436.	2.3	13