Jian-jun Li

List of Publications by Year
in descending order

84	1,663	279798	361022
papers	citations	23 h-index	35 g-index

85	85	85	2192
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Small and Sharp Triangular Silver Nanoplates Synthesized Utilizing Tiny Triangular Nuclei and Their Excellent SERS Activity for Selective Detection of Thiram Residue in Soil. ACS Applied Materials & Interfaces, 2017, 9, 17387-17398.	8.0	83
2	Multi-branched gold nanostars with fractal structure for SERS detection of the pesticide thiram. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 189, 586-593.	3.9	80
3	Growth of Spherical Gold Satellites on the Surface of Au@Ag@SiO₂ Coreâ€“Shell Nanostructures Used for an Ultrasensitive SERS Immunoassay of Alpha-Fetoprotein. ACS Applied Materials & Interfaces, 2019, 11, 3617-3626.	8.0	72
4	Recent advances in activatable fluorescence imaging probes for tumor imaging. Drug Discovery Today, 2017, 22, 1367-1374.	6.4	51
5	A promising direct visualization of an Au@Ag nanorod-based colorimetric sensor for trace detection of alpha-fetoprotein. Journal of Materials Chemistry C, 2015, 3, 6035-6045.	5.5	49
6	Polyester-based nanoparticles for nucleic acid delivery. Materials Science and Engineering C, 2018, 92, 983-994.	7.3	47
7	Colorimetric detection of lead(<scp>ii</scp>) ions based on accelerating surface etching of gold nanorods to nanospheres: the effect of sodium thiosulfate. RSC Advances, 2016, 6, 25611-25619.	3.6	46
8	Colorimetric determination of Hg(II) by combining the etching and aggregation effect of cysteine-modified Au-Ag core-shell nanorods. Sensors and Actuators B: Chemical, 2018, 255, 2927-2935.	7.8	46
9	The Effect of Dielectric Coating on the Local Electric Field Enhancement of Au-Ag Core-Shell Nanoparticles. Plasmonics, 2015, 10, 1-8.	3.4	45
10	Dual-mode melamine detection based on gold nanoparticles aggregation-induced fluorescence â€œturn-onâ€•and â€œturn-offâ€•of CdTe quantum dots. Sensors and Actuators B: Chemical, 2017, 239, 906-915.	7.8	42
11	A colorimetric/SERS dual-mode sensing method for the detection of mercury(<scp>ii</scp>) based on rhodanine-stabilized gold nanobipyramids. Journal of Materials Chemistry C, 2018, 6, 12283-12293.	5.5	42
12	CdTe quantum dot-based fluorescent probes for selective detection of Hg (II): The effect of particle size. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 177, 140-146.	3.9	40
13	Specific Detection of Carcinoembryonic Antigen Based on Fluorescence Quenching of Hollow Porous Gold Nanoshells with Roughened Surface. ACS Applied Materials & Interfaces, 2017, 9, 36632-36641.	8.0	40
14	SERS detection of glucose using graphene-oxide-wrapped gold nanobones with silver coating. Journal of Materials Chemistry C, 2019, 7, 3322-3334.	5.5	38
15	Optimization of the refractive index plasmonic sensing of gold nanorods by non-uniform silver coating. Sensors and Actuators B: Chemical, 2013, 183, 556-564.	7.8	36
16	A SERS-based immunoassay for the detection of Î±-fetoprotein using AuNS@Ag@SiO₂coreâ€“shell nanostars. Journal of Materials Chemistry C, 2019, 7, 8432-8441.	5.5	35
17	Halide ions can trigger the oxidative etching of gold nanorods with the iodide ions being the most efficient. Journal of Materials Science, 2016, 51, 7678-7690.	3.7	34
18	Multi-branch Au/Ag bimetallic coreâ€“shellâ€“satellite nanoparticles as a versatile SERS substrate: the effect of Au branches in a mesoporous silica interlayer. Journal of Materials Chemistry C, 2017, 5, 12678-12687.	5.5	34

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19	The effect of nonhomogeneous silver coating on the plasmonic absorption of Auâ€“Ag coreâ€“shell nanorod. Gold Bulletin, 2014, 47, 47-55.	2.4	32
20	Fluorescence turn-on sensing of trace cadmium ions based on EDTA-etched CdTe@CdS quantum dot. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 201, 119-127.	3.9	28
21	Synthesis and SERS activity of super-multibranched Au Ag nanostructure via silver coating-induced aggregation of nanostars. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 204, 380-387.	3.9	26
22	The synthesis of Ag-coated tetrapod gold nanostars and the improvement of surface-enhanced Raman scattering. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 211, 154-165.	3.9	26
23	Plasmonic spectral determination of Hg(II) based on surface etching of Au-Ag core-shell triangular nanoplates: From spectrum peak to dip. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 207, 337-347.	3.9	25
24	Gold nanotubes: synthesis, properties and biomedical applications. Mikrochimica Acta, 2020, 187, 612.	5.0	25
25	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. Chemical Engineering Journal, 2021, 409, 128173.	12.7	25
26	Recent progress in the optical detection of pathogenic bacteria based on noble metal nanoparticles. Mikrochimica Acta, 2021, 188, 258.	5.0	24
27	Colorimetric determination of cysteine based on inhibition of GSH-Au/Pt NCs as peroxidase mimic. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 248, 119257.	3.9	23
28	Using silicon-coated gold nanoparticles to enhance the fluorescence of CdTe quantum dot and improve the sensing ability of mercury (II). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 188, 170-178.	3.9	22
29	Fluorescence turn-on sensing of L-cysteine based on FRET between Au-Ag nanoclusters and Au nanorods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 217, 247-255.	3.9	22
30	Resonance scattering amplification assay of biomolecules based on the biomineralization of gold nanoparticles bioconjugates. Journal of Colloid and Interface Science, 2011, 363, 182-186.	9.4	20
31	Plasmonic sensing of CTAB in gold nanorods solution based on Cu(II) ions-mediated H2O2 etching effect. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	20
32	Fluorescence spectral detection of cysteine based on the different medium-coated gold nanorods-Rhodamine 6G probe: From quenching to enhancement. Sensors and Actuators B: Chemical, 2015, 220, 1279-1287.	7.8	19
33	Tuning the wavelength drift between resonance light absorption and scattering of plasmonic nanoparticle. Applied Physics Letters, 2011, 99, 101901.	3.3	18
34	Obtain Quadruple Intense Plasmonic Resonances from Multilayered Gold Nanoshells by Silver Coating: Application in Multiplex Sensing. Plasmonics, 2013, 8, 1493-1499.	3.4	18
35	The Study of Surface Plasmon Resonance in Au-Ag-Au Three-Layered Bimetallic Nanoshell: The Effect of Separate Ag Layer. Plasmonics, 2014, 9, 435-441.	3.4	18
36	Tuning the shell thickness-dependent plasmonic absorption of Ag coated Au nanocubes: The effect of synthesis temperature. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 199, 113-120.	3.5	18

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37	Improve the refractive index sensitivity of coaxial-cable type gold nanostructure: the effect of dielectric polarization from the separate layer. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	17
38	Silver nanoclusters emitting weak NIR fluorescence biomineralized by BSA. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 134, 40-47.	3.9	17
39	Enlarge the biologic coating-induced absorbance enhancement of Au-Ag bimetallic nanoshells by tuning the metal composition. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 189, 571-577.	3.9	17
40	Highly improved synthesis of gold nanobipyramids by tuning the concentration of hydrochloric acid. Journal of Nanoparticle Research, 2016, 18, 1.	1.9	16
41	Tuning the Fluorescence Quenching Properties of Plasmonic Ag-Coated-Au Triangular Nanoplates: Application in Ultrasensitive Detection of CEA. Plasmonics, 2016, 11, 565-572.	3.4	16
42	Local dielectric environment-dependent plasmonic optical sensitivity of gold nanocage: from nanobox to nanoframe. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	16
43	Spiky yolk-shell AuAg bimetallic nanorods with uniform interior gap for the SERS detection of thiram residues in fruit juice. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 262, 120108.	3.9	16
44	Colorimetric determination and recycling of Hg2+ based on etching-induced morphology transformation from hollow AuAg nanocages to nanoboxes. Journal of Alloys and Compounds, 2020, 828, 154392.	5.5	15
45	Improve the fluorescence quenching efficiency of gold nanorod by silver coating. Applied Physics Letters, 2013, 103, 193703.	3.3	14
46	Synthesis of colloidal gold nanobones with tunable negative curvatures at end surface and their application in SERS. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	14
47	Tunable optical limiting of gold nanorod thin films. Applied Physics A: Materials Science and Processing, 2009, 97, 431-436.	2.3	13
48	Synthesis of dual-functional Ag/Au nanoparticles based on the decreased cavitating rate under alkaline conditions and the colorimetric detection of mercury(<scp>ii</scp>) and lead(<scp>ii</scp>). Journal of Materials Chemistry C, 2018, 6, 7557-7567.	5.5	13
49	Distance-Dependent Fluorescence Quenching Efficiency of Gold Nanodisk: Effect of Aspect Ratio-Dependent Plasmonic Absorption. Plasmonics, 2012, 7, 201-207.	3.4	12
50	Misalign-dependent double plasmon modes â€œswitchâ€•of gold triangular nanoplate dimers. Journal of Applied Physics, 2015, 117, 063102.	2.5	12
51	Multifactor-Controlled Non-Monotonic Plasmon Shift of Ordered Gold Nanodisk Arrays: Shape-Dependent Interparticle Coupling. Plasmonics, 2011, 6, 261-267.	3.4	11
52	Selective oxidative etching of CTAC-stabilized multi-branched gold nanoparticles: application in spectral sensing of iodide ions. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	11
53	Notch1 promotes mouse spinal neural stem and progenitor cells proliferation via p-p38-pax6 induced cyclin D1 activation. Experimental Cell Research, 2018, 373, 80-90.	2.6	10
54	Plasmonic Spectral Detection of Carcinoembryonic Antigen by Preventing the Direct Binding of Rhodamine 6G with Au Nanoparticles. Plasmonics, 2013, 8, 1003-1009.	3.4	9

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55	A highly specific and sensitive fluorescence quenching probe for carcinoembryonic antigen detection based on tetrapod Au nanostars with Ag coating. Materials Today Communications, 2020, 25, 101373.	1.9	9
56	The morphology regulation and plasmonic spectral properties of Au@AuAg yolk-shell nanorods with controlled interior gap. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 236, 118343.	3.9	9
57	Tyrosine-Decorated Gold Nanoclusters Chelated Cerium(III) for Fluorescence Detection of Dopamine. ACS Applied Nano Materials, 2021, 4, 13501-13509.	5.0	9
58	Frequency-Dependent Polarization Properties of Local Electric Field in Goldâ€“Dielectric Multi-Nanoshells. Plasmonics, 2013, 8, 417-424.	3.4	8
59	Morphology modification of gold nanoparticles from nanoshell to C-shape: Improved surface enhanced Raman scattering. Journal of Applied Physics, 2016, 119, 243104.	2.5	8
60	Synthesis of gold nanostars with fractal structure: application in surface-enhanced Raman scattering. European Physical Journal B, 2017, 90, 1.	1.5	8
61	Etching-dependent fluorescence quenching of Ag-dielectric-Au three-layered nanoshells: The effect of inner Ag nanosphere. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 200, 43-50.	3.9	8
62	SERS detection of 4-Aminobenzenethiol based on triangular Au-AuAg hierarchical-multishell nanostructure. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 204, 754-762.	3.9	8
63	Heterodimers of metal nanoparticles: synthesis, properties, and biological applications. Mikrochimica Acta, 2021, 188, 345.	5.0	8
64	Tuning the plasmon band number of aluminum nanorod within the ultraviolet-visible region by gold coating. Physics of Plasmas, 2014, 21, 112108.	1.9	7
65	Creating Orientation-Independent Built-In Hot Spots in Gold Nanoframe with Multi-Breakages. Plasmonics, 2019, 14, 1131-1143.	3.4	7
66	Effect of gold nanoparticles on the fluorescence excitation spectrum of Î±-fetoprotein: Local environment dependent fluorescence quenching. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 243-247.	3.9	6
67	Improve the Plasmonic Spectral Detection of Alpha-Fetoprotein: the Effect of Branch Length on the Coagulation of Gold Nanostars. Plasmonics, 2016, 11, 1175-1182.	3.4	6
68	Switching the plasmon coupling of fractional hollow AuAg nanobox by asymmetrical etching of the inner Ag core. Journal Physics D: Applied Physics, 2019, 52, 255301.	2.8	6
69	Fine-tunable fluorescence quenching properties of core-satellite assemblies of gold nanorod-nanosphere: Application in sensitive detection of Hg2+. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117776.	3.9	6
70	A plasmonic and SERS dual-mode iodide ions detecting probe based on the etching of Ag-coated tetrapod gold nanostars. Journal of Nanoparticle Research, 2019, 21, 1.	1.9	5
71	Improve the Hole Sizeâ€“Dependent Refractive Index Sensitivity of Auâ€“Ag Nanocages by Tuning the Alloy Composition. Plasmonics, 2022, 17, 597-612.	3.4	5
72	Effect of dielectric coating on the sensing capability of gold nanorods based on plasmonic band widening. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	4

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73	Focus and enlarge the enhancement region of local electric field by overlapping Ag triangular nanoplates. EPJ Applied Physics, 2016, 73, 10501.	0.7	4
74	Reversible Tuning the Aspect Ratio and Plasmonic Shift of Gold Nanorods in Alkaline Environment: Growth, Etching and Rebuilding. Plasmonics, 2018, 13, 1433-1439.	3.4	4
75	Tuning quadruple surface plasmon resonance in gold nanoellipsoid with platinum coating: from ultraviolet to near infrared. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	3
76	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. Clinics, 2019, 74, e741.	1.5	3
77	Tuning the EDTA-induced self-assembly and plasmonic spectral properties of gold nanorods: application in surface-enhanced Raman scattering. Journal of Nanoparticle Research, 2016, 18, 1.	1.9	2
78	Selective controlling transverse plasmon spectrum of pentagonal gold nanotube: from visible to near-infrared region. Nanotechnology, 2021, 32, 445202.	2.6	1
79	Plasmonic refractive index sensitivity of tetrapod gold nanostars: tuning the branch length and protein layer. European Physical Journal D, 2022, 76, 1.	1.3	1
80	The Effect of Gold Colloid on the Fluorescence Spectrum from Safranine T: A Physical Mechanism Based on Resonance Light Scattering. Journal of Nanoscience and Nanotechnology, 2011, 11, 4114-4118.	0.9	0
81	Polarization-Dependent Resonance Light Scattering of Biomolecular Layer Coated Gold Nanoshell. Plasmonics, 2014, 9, 47-54.	3.4	0
82	Size-dependent production of radicals in catalyzed reduction of Eosin Y using gold nanorods. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	0
83	Improve the plasmonic optical tunability of Au nanorod by Pt coating: the application in refractive index sensing. European Physical Journal D, 2021, 75, 1.	1.3	0
84	Theoretical simulation of nonlinear regulation of wall thickness dependent longitudinal surface plasmon in pentagonal gold nanotubes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 273, 121037.	3.9	0