

Changlong Jiang

List of Publications by Year in descending order

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101543
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times ranked

5904
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing the energy storage capacity of graphene supercapacitors <i>via</i> solar heating. Journal of Materials Chemistry A, 2022, 10, 3382-3392.	10.3	18
2	Ratiometric fluorescent sensor for shutter-speedy and ultra-sensitive monitoring of antibiotic utilizing multiple fluorescent devices. Sensors and Actuators B: Chemical, 2022, 363, 131819.	7.8	8
3	Chromaticity Evolutionary Detection of Food Contaminant Semicarbazide through an Upconversion Luminescence-Based Nanosensor. Analytical Chemistry, 2022, 94, 1126-1134.	6.5	52
4	A highly transparent and photothermal composite coating for effective anti-/de-icing of glass surfaces. Nanoscale Advances, 2022, 4, 2884-2892.	4.6	5
5	Ratiometric fluorescent sensors for nitrite detection in the environment based on carbon dot/Rhodamine B systems. RSC Advances, 2022, 12, 12655-12662.	3.6	8
6	A Portable Sensing Platform Using an Upconversion-Based Nanosensor for Visual Quantitative Monitoring of Mesna. Analytical Chemistry, 2022, 94, 7559-7566.	6.5	23
7	Enzyme-free and rapid visual quantitative detection for pesticide residues utilizing portable smartphone integrated paper sensor. Journal of Hazardous Materials, 2022, 436, 129320.	12.4	53
8	Gold Nanoparticle-Based Peroxyoxalate Chemiluminescence System for Highly Sensitive and Rapid Detection of Thiram Pesticides. ACS Applied Nano Materials, 2021, 4, 3932-3939.	5.0	35
9	Amorphization of Purely Organic Phosphors into Carbon Dots to Activate Matrix-Free Room-Temperature Phosphorescence for Multiple Applications. ACS Applied Electronic Materials, 2021, 3, 2661-2670.	4.3	10
10	3D-printed smartphone-based device for fluorimetric diagnosis of ketosis by acetone-responsive dye marker and red emissive carbon dots. Mikrokimica Acta, 2021, 188, 306.	5.0	8
11	Integrated Laser-Induced breakdown spectroscopy with electroanalysis unitizing Bi ₂ O ₃ /Irradiated attapulgite composite for Ultra-trace detection of cadmium ions in real sample. Microchemical Journal, 2021, 169, 106586.	4.5	0
12	Upconversion-based dual-mode optical nanosensor for highly sensitive and colorimetric evaluation of heparin in serum. Sensors and Actuators B: Chemical, 2021, 345, 130378.	7.8	12
13	Portable Smartphone Platform Based on a Single Dual-Emissive Ratiometric Fluorescent Probe for Visual Detection of Isopropanol in Exhaled Breath. Analytical Chemistry, 2021, 93, 14506-14513.	6.5	68
14	â€œLight Upâ€•Fluorescence Visual Sensitive Detection of Organophosphorus with a Smartphone-Based Platform Utilizing a Composite Rhodamine B-Ag@Au Nanoprobe. ACS Sustainable Chemistry and Engineering, 2021, 9, 14579-14587.	6.7	11
15	Dual-Mode Optical Nanosensor Based on Gold Nanoparticles and Carbon Dots for Visible Detection of As(III) in Water. ACS Applied Nano Materials, 2020, 3, 8224-8231.	5.0	33
16	MOF-derived PdNiCo alloys encapsulated in nitrogen-doped graphene for robust hydrogen evolution reactions. CrystEngComm, 2020, 22, 6063-6070.	2.6	10
17	A dual-response ratiometric fluorescent sensor by europium-doped CdTe quantum dots for visual and colorimetric detection of tetracycline. Journal of Hazardous Materials, 2020, 398, 122894.	12.4	181
18	Portable Smartphone Platform Integrated with a Nanoprobe-Based Fluorescent Paper Strip: Visual Monitoring of Glutathione in Human Serum for Health Prognosis. ACS Sustainable Chemistry and Engineering, 2020, 8, 8175-8183.	6.7	105

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19	Colorimetric fluorescent paper strip with smartphone platform for quantitative detection of cadmium ions in real samples. <i>Journal of Hazardous Materials</i> , 2020, 392, 122506.	12.4	180
20	A Portable Smartphone Platform Using a Ratiometric Fluorescent Paper Strip for Visual Quantitative Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 12962-12971.	8.0	211
21	Ultralight aerogel based on molecular-modified poly(m-phenylenediamine) crosslinking with polyvinyl alcohol/graphene oxide for flow adsorption. <i>RSC Advances</i> , 2019, 9, 22950-22956.	3.6	11
22	Semiquantitative Visual Detection of Lead Ions with a Smartphone via a Colorimetric Paper-Based Analytical Device. <i>Analytical Chemistry</i> , 2019, 91, 9292-9299.	6.5	319
23	Significant Optimization of Electron-Phonon Transport of n-Type Bi ₂ O ₂ Se by Mechanical Manipulation of Se Vacancies via Shear Exfoliation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21603-21609.	8.0	48
24	Synthesis of uniform layer of TiO ₂ nanoparticles coated on natural cellulose micrometer-sized fibers through a facile one-step solvothermal method. <i>Cellulose</i> , 2019, 26, 4757-4765.	4.9	15
25	Reusable and removable PmPD/PVA membrane for effective Cr(VI) adsorption and reduction. <i>New Journal of Chemistry</i> , 2019, 43, 5039-5046.	2.8	10
26	Recyclable functionalized polymer films for the efficient removal of hexavalent chromium from aqueous solutions. <i>RSC Advances</i> , 2019, 9, 36751-36757.	3.6	5
27	A single nanofluorophore as a probe for highly sensitive visual determination of environmental fluoride ions. <i>RSC Advances</i> , 2018, 8, 8688-8693.	3.6	6
28	Sticky-flares for <i>in situ</i> monitoring of human telomerase RNA in living cells. <i>Nanoscale</i> , 2018, 10, 9386-9392.	5.6	18
29	Efficient removal of hexavalent chromium from water by an adsorption-reduction mechanism with sandwiched nanocomposites. <i>RSC Advances</i> , 2018, 8, 15087-15093.	3.6	80
30	Semi-quantitative and visual assay of copper ions by fluorescent test paper constructed with dual-emission carbon dots. <i>RSC Advances</i> , 2018, 8, 12708-12713.	3.6	17
31	Fluorescent Nanomaterials for Color-Multiplexing Test Papers toward Qualitative/Quantitative Assays. <i>Small Methods</i> , 2018, 2, 1700379.	8.6	26
32	A ratiometric fluorescent paper sensor for consecutive color change-based visual determination of blood glucose in serum. <i>New Journal of Chemistry</i> , 2018, 42, 6867-6872.	2.8	23
33	Tungsten nitride/carbide nanocomposite encapsulated in nitrogen-doped carbon shell as an effective and durable catalyst for hydrogen evolution reaction. <i>New Journal of Chemistry</i> , 2018, 42, 19557-19563.	2.8	14
34	A colorimetric paper sensor for visual detection of mercury ions constructed with dual-emission carbon dots. <i>New Journal of Chemistry</i> , 2018, 42, 15671-15677.	2.8	25
35	Upconversion color tuning in Ce ³⁺ -doped LiYF ₄ :Yb ³⁺ /Ho ³⁺ @LiYF ₄ nanoparticles towards ratiometric fluorescence detection of chromium(III). <i>Journal of Colloid and Interface Science</i> , 2017, 493, 10-16.	9.4	29
36	A silica-based SERS chip for rapid and ultrasensitive detection of fluoride ions triggered by a cyclic boronate ester cleavage reaction. <i>Nanoscale</i> , 2017, 9, 1599-1606.	5.6	36

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37	Fluorescent carbon dots: rational synthesis, tunable optical properties and analytical applications. RSC Advances, 2017, 7, 40973-40989.	3.6	159
38	Colloidal quantum dot chains: self-assembly mechanism and ratiometric fluorescent sensing. RSC Advances, 2017, 7, 53977-53983.	3.6	11
39	Multicolorful ratiometric-fluorescent test paper for determination of fluoride ions in environmental water. RSC Advances, 2017, 7, 53379-53384.	3.6	24
40	Colorimetric and SERS dual-readout for assaying alkaline phosphatase activity by ascorbic acid induced aggregation of Ag coated Au nanoparticles. Sensors and Actuators B: Chemical, 2017, 253, 839-845.	7.8	51
41	Color-Multiplexing-Based Fluorescent Test Paper: Dosage-Sensitive Visualization of Arsenic(III) with Discernable Scale as Low as 5 ppb. Analytical Chemistry, 2016, 88, 6105-6109.	6.5	145
42	Fluorescent paper sensor fabricated by carbazole-based probes for dual visual detection of Cu ²⁺ and gaseous H ₂ S. RSC Advances, 2016, 6, 56384-56391.	3.6	46
43	Fluorescence and visual detection of fluoride ions using a photoluminescent graphene oxide paper sensor. Nanoscale, 2016, 8, 13669-13677.	5.6	74
44	Ratiometric fluorescent paper sensor utilizing hybrid carbon dots“quantum dots for the visual determination of copper ions. Nanoscale, 2016, 8, 5977-5984.	5.6	249
45	Real-Time Discrimination and Versatile Profiling of Spontaneous Reactive Oxygen Species in Living Organisms with a Single Fluorescent Probe. Journal of the American Chemical Society, 2016, 138, 3769-3778.	13.7	253
46	Target induced aggregation of modified Au@Ag nanoparticles for surface enhanced Raman scattering and its ultrasensitive detection of arsenic(ⁱⁱⁱ) in aqueous solution. RSC Advances, 2015, 5, 77755-77759.	3.6	29
47	Synthesis of g-C ₃ N ₄ nanosheet/Au@Ag nanoparticle hybrids as SERS probes for cancer cell diagnostics. RSC Advances, 2015, 5, 86803-86810.	3.6	24
48	Label-Free Surface-Enhanced Raman Scattering Imaging to Monitor the Metabolism of Antitumor Drug 6-Mercaptopurine in Living Cells. Analytical Chemistry, 2014, 86, 11503-11507.	6.5	58
49	A general approach to functional metal oxide nanobelts: thermal decomposition of precursors and interface diffusion growth mechanism. CrystEngComm, 2014, 16, 952-958.	2.6	8
50	Ligand replacement induced chemiluminescence for selective detection of an organophosphorus pesticide using bifunctional Au“Fe ₃ O ₄ dumbbell-like nanoparticles. Chemical Communications, 2014, 50, 15870-15873.	4.1	22
51	In situ loading of Ag nanocontacts onto silica nanospheres: a SERS platform for ultrasensitive detection. RSC Advances, 2014, 4, 2776-2782.	3.6	34
52	Controllable growth of a forest of silver nanowires and their field emission properties. CrystEngComm, 2014, 16, 8646.	2.6	9
53	Controlled depositing of silver nanoparticles on flexible film and its application in ultrasensitive detection. RSC Advances, 2014, 4, 42358-42363.	3.6	34
54	Nanostructured materials for applications in surface-enhanced Raman scattering. CrystEngComm, 2014, 16, 9959-9973.	2.6	31

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55	Mesoporous nanobelts and nano-necklaces of Co_3O_4 converted from Fe-Co(OH)_2 nanobelts via a thermal decomposition route for the electrocatalytic oxidation of H_2O_2 . <i>CrystEngComm</i> , 2014, 16, 9721-9726.	2.6	25
56	A chemically reactive Raman probe for ultrasensitively monitoring and imaging the in vivo generation of femtomolar oxidative species as induced by anti-tumor drugs in living cells. <i>Chemical Communications</i> , 2013, 49, 6647.	4.1	41
57	Morphology control of silver nanostructures via a chemical redox process by mixed amine ligands. <i>CrystEngComm</i> , 2013, 15, 7564.	2.6	4
58	Graphene oxide embedded sandwich nanostructures for enhanced Raman readout and their applications in pesticide monitoring. <i>Nanoscale</i> , 2013, 5, 3773.	5.6	176
59	Ratiometric fluorescence detection of mercuric ion based on the nanohybrid of fluorescence carbon dots and quantum dots. <i>Analytica Chimica Acta</i> , 2013, 786, 146-152.	5.4	106
60	Fluorescent graphene oxide logic gates for discrimination of iron (3+) and iron (2+) in living cells by imaging. <i>Chemical Communications</i> , 2012, 48, 7468.	4.1	133
61	Shell Thickness-Dependent Raman Enhancement for Rapid Identification and Detection of Pesticide Residues at Fruit Peels. <i>Analytical Chemistry</i> , 2012, 84, 255-261.	6.5	399
62	Multilayered shell SERS nanotags with a highly uniform single-particle Raman readout for ultrasensitive immunoassays. <i>Chemical Communications</i> , 2012, 48, 9421.	4.1	51
63	Trinitrotoluene Explosive Lights up Ultrahigh Raman Scattering of Nonresonant Molecule on a Top-Closed Silver Nanotube Array. <i>Analytical Chemistry</i> , 2011, 83, 6913-6917.	6.5	123
64	Single clusters of self-assembled silver nanoparticles for surface-enhanced Raman scattering sensing of a dithiocarbamate fungicide. <i>Journal of Materials Chemistry</i> , 2011, 21, 16264.	6.7	74
65	Surface-enhanced Raman scattering sensor for theophylline determination by molecular imprinting on silver nanoparticles. <i>Analyst</i> , 2011, 136, 4152.	3.5	56
66	Formation of cobalt hollow nanospheres via surfactant-assisted hydrothermal progress. <i>Materials Chemistry and Physics</i> , 2009, 113, 531-533.	4.0	15
67	Nanocontact-induced catalytic activation in palladium nanoparticles. <i>Nanoscale</i> , 2009, 1, 391.	5.6	20
68	Up- and Down-Conversion Cubic Zirconia and Hafnia Nanobelts. <i>Advanced Materials</i> , 2008, 20, 4826-4829.	21.0	84
69	Synthesis of BaTiO_3 Nanowires at Low Temperature. <i>Crystal Growth and Design</i> , 2007, 7, 2713-2715.	3.0	31
70	Hydrothermal synthesis and characterization of ZnS microspheres and hollow nanospheres. <i>Materials Chemistry and Physics</i> , 2007, 103, 24-27.	4.0	41
71	Growth of dendritic bismuth microspheres by solution-phase process. <i>Materials Letters</i> , 2007, 61, 3037-3040.	2.6	14
72	General solution-based route to ZnO semiconductors nanorods from hydrolysate. <i>Journal of Nanoparticle Research</i> , 2007, 9, 269-274.	1.9	20

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73	Selective-precursor reducing route to cobalt nanocrystals and ferromagnetic property. Journal of Solid State Chemistry, 2007, 180, 3146-3151.	2.9	8
74	Self-Assembled Copper Nanowalls into Microstructures with Different Shapes: A Facile Aqueous Approach. Crystal Growth and Design, 2006, 6, 2603-2606.	3.0	32
75	Aqueous solution route to flower-like microstructures of ferromagnetic nickel nanotips. Materials Letters, 2006, 60, 2319-2321.	2.6	30
76	Solution Route to Semiconducting Nanomaterials. , 2006, , 1-24.		1
77	Low-temperature solvothermal route to 2H-SiC nanoflakes. Applied Physics Letters, 2006, 88, 071913.	3.3	39
78	Hydrothermal fabrication of copper sulfide nanocones and nanobelts. Materials Letters, 2005, 59, 1008-1011.	2.6	49
79	Synthesis and characterization of ZnSe hollow nanospheres via a hydrothermal route. Nanotechnology, 2005, 16, 551-554.	2.6	59
80	Magnetic Fe ₃ O ₄ nanodisc synthesis on a large scale via a surfactant-assisted process. Nanotechnology, 2005, 16, 1584-1588.	2.6	49
81	Precursor-Induced Hydrothermal Synthesis of Flowerlike Cupped-End Microrod Bundles of ZnO. Journal of Physical Chemistry B, 2005, 109, 1361-1363.	2.6	85
82	Synthesis of ferromagnetic single-crystalline cobalt nanobelts via a surfactant-assisted hydrothermal reduction process. Nanotechnology, 2005, 16, 2958-2962.	2.6	80
83	Fe ₃ O ₄ Nanocrystals with Novel Fractal. Journal of Physical Chemistry B, 2005, 109, 18356-18360.	2.6	104
84	A self-generated template route to hollow carbon nanospheres in a short time. Solid State Communications, 2004, 131, 749-752.	1.9	31
85	Selected-Control Solvothermal Synthesis of Nanoscale Hollow Spheres and Single-Crystal Tubes of PbTe. European Journal of Inorganic Chemistry, 2004, 2004, 4521-4524.	2.0	55
86	A Mild Reduction Route to PTFE Degradation at Low Temperature. Chemistry Letters, 2004, 33, 1150-1151.	1.3	3