Changlong Jiang

List of Publications by Year
in descending order

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86	5,012	116194	104191
papers	citations	36 h-index	69 g-index

87	87	87	6607
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancing the energy storage capacity of graphene supercapacitors via solar heating. Journal of Materials Chemistry A, 2022, 10, 3382-3392.	5.2	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.	4.0	8
3	Chromaticity Evolutionary Detection of Food Contaminant Semicarbazide through an Upconversion Luminescence-Based Nanosensor. Analytical Chemistry, 2022, 94, 1126-1134.	3.2	52
4	A highly transparent and photothermal composite coating for effective anti-/de-icing of glass surfaces. Nanoscale Advances, 2022, 4, 2884-2892.	2.2	5
5	Ratiometric fluorescent sensors for nitrite detection in the environment based on carbon dot/Rhodamine B systems. RSC Advances, 2022, 12, 12655-12662.	1.7	8
6	A Portable Sensing Platform Using an Upconversion-Based Nanosensor for Visual Quantitative Monitoring of Mesna. Analytical Chemistry, 2022, 94, 7559-7566.	3.2	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.	6.5	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.	2.4	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.	2.0	10
10	3D-printed smartphone-based device for fluorimetric diagnosis of ketosis by acetone-responsive dye marker and red emissive carbon dots. Mikrochimica Acta, 2021, 188, 306.	2.5	8
11	Integrated Laser-Induced breakdown spectroscopy with electroanalysis unitizing Bi2O3/Irradiated attapulgite composite for Ultra-trace detection of cadmium ions in real sample. Microchemical Journal, 2021, 169, 106586.	2.3	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.	4.0	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.	3.2	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.	3.2	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.	2.4	33
16	MOF-derived PdNiCo alloys encapsulated in nitrogen-doped graphene for robust hydrogen evolution reactions. CrystEngComm, 2020, 22, 6063-6070.	1.3	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.	6.5	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.	3.2	105

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19	Colorimetric fluorescent paper strip with smartphone platform for quantitative detection of cadmium ions in real samples. Journal of Hazardous Materials, 2020, 392, 122506.	6.5	180
20	A Portable Smartphone Platform Using a Ratiometric Fluorescent Paper Strip for Visual Quantitative Sensing. ACS Applied Materials & Interfaces, 2020, 12, 12962-12971.	4.0	211
21	Ultralight aerogel based on molecular-modified poly(m-phenylenediamine) crosslinking with polyvinyl alcohol/graphene oxide for flow adsorption. RSC Advances, 2019, 9, 22950-22956.	1.7	11
22	Semiquantitative Visual Detection of Lead Ions with a Smartphone via a Colorimetric Paper-Based Analytical Device. Analytical Chemistry, 2019, 91, 9292-9299.	3.2	319
23	Significant Optimization of Electronâ€“Phonon Transport of n-Type Bi₂O₂Se by Mechanical Manipulation of Se Vacancies via Shear Exfoliation. ACS Applied Materials & Interfaces, 2019, 11, 21603-21609.	4.0	48
24	Synthesis of uniform layer of TiO2 nanoparticles coated on natural cellulose micrometer-sized fibers through a facile one-step solvothermal method. Cellulose, 2019, 26, 4757-4765.	2.4	15
25	Reusable and removable PmPD/PVA membrane for effective Cr(<scp>vi</scp>) adsorption and reduction. New Journal of Chemistry, 2019, 43, 5039-5046.	1.4	10
26	Recyclable functionalized polymer films for the efficient removal of hexavalent chromium from aqueous solutions. RSC Advances, 2019, 9, 36751-36757.	1.7	5
27	A single nanofluorophore â€œturn onâ€•probe for highly sensitive visual determination of environmental fluoride ions. RSC Advances, 2018, 8, 8688-8693.	1.7	6
28	Sticky-flares for in situ monitoring of human telomerase RNA in living cells. Nanoscale, 2018, 10, 9386-9392.	2.8	18
29	Efficient removal of hexavalent chromium from water by an adsorptionâ€“reduction mechanism with sandwiched nanocomposites. RSC Advances, 2018, 8, 15087-15093.	1.7	80
30	Semi-quantitative and visual assay of copper ions by fluorescent test paper constructed with dual-emission carbon dots. RSC Advances, 2018, 8, 12708-12713.	1.7	17
31	Fluorescent Nanomaterials for Colorâ€Multiplexing Test Papers toward Qualitative/Quantitative Assays. Small Methods, 2018, 2, 1700379.	4.6	26
32	A ratiometric fluorescent paper sensor for consecutive color change-based visual determination of blood glucose in serum. New Journal of Chemistry, 2018, 42, 6867-6872.	1.4	23
33	Tungsten nitride/carbide nanocomposite encapsulated in nitrogen-doped carbon shell as an effective and durable catalyst for hydrogen evolution reaction. New Journal of Chemistry, 2018, 42, 19557-19563.	1.4	14
34	A colorimetric paper sensor for visual detection of mercury ions constructed with dual-emission carbon dots. New Journal of Chemistry, 2018, 42, 15671-15677.	1.4	25
35	Upconversion color tuning in Ce3+-doped LiYF4:Yb3+/Ho3+@LiYF4 nanoparticles towards ratiometric fluorescence detection of chromium(III). Journal of Colloid and Interface Science, 2017, 493, 10-16.	5.0	29
36	A silica-based SERS chip for rapid and ultrasensitive detection of fluoride ions triggered by a cyclic boronate ester cleavage reaction. Nanoscale, 2017, 9, 1599-1606.	2.8	36

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37	Fluorescent carbon dots: rational synthesis, tunable optical properties and analytical applications. RSC Advances, 2017, 7, 40973-40989.	1.7	159
38	Colloidal quantum dot chains: self-assembly mechanism and ratiometric fluorescent sensing. RSC Advances, 2017, 7, 53977-53983.	1.7	11
39	Multicolorful ratiometric-fluorescent test paper for determination of fluoride ions in environmental water. RSC Advances, 2017, 7, 53379-53384.	1.7	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.	4.0	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.	3.2	145
42	Fluorescent paper sensor fabricated by carbazole-based probes for dual visual detection of Cu²⁺and gaseous H₂S. RSC Advances, 2016, 6, 56384-56391.	1.7	46
43	Fluorescence and visual detection of fluoride ions using a photoluminescent graphene oxide paper sensor. Nanoscale, 2016, 8, 13669-13677.	2.8	74
44	Ratiometric fluorescent paper sensor utilizing hybrid carbon dotsâ€“quantum dots for the visual determination of copper ions. Nanoscale, 2016, 8, 5977-5984.	2.8	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.	6.6	253
46	Target induced aggregation of modified Au@Ag nanoparticles for surface enhanced Raman scattering and its ultrasensitive detection of arsenic(<scp>iii</scp>) in aqueous solution. RSC Advances, 2015, 5, 77755-77759.	1.7	29
47	Synthesis of g-C₃N₄ nanosheet/Au@Ag nanoparticle hybrids as SERS probes for cancer cell diagnostics. RSC Advances, 2015, 5, 86803-86810.	1.7	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.	3.2	58
49	A general approach to functional metal oxide nanobelts: thermal decomposition of precursors and interface diffusion growth mechanism. CrystEngComm, 2014, 16, 952-958.	1.3	8
50	Ligand replacement induced chemiluminescence for selective detection of an organophosphorus pesticide using bifunctional Auâ€“Fe₃O₄dumbbell-like nanoparticles. Chemical Communications, 2014, 50, 15870-15873.	2.2	22
51	In situ loading of Ag nanocontacts onto silica nanospheres: a SERS platform for ultrasensitive detection. RSC Advances, 2014, 4, 2776-2782.	1.7	34
52	Controllable growth of a forest of silver nanowires and their field emission properties. CrystEngComm, 2014, 16, 8646.	1.3	9
53	Controlled depositing of silver nanoparticles on flexible film and its application in ultrasensitive detection. RSC Advances, 2014, 4, 42358-42363.	1.7	34
54	Nanostructured materials for applications in surface-enhanced Raman scattering. CrystEngComm, 2014, 16, 9959-9973.	1.3	31

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55	Mesoporous nanobelts and nano-necklaces of Co₃O₄ converted from Î²-Co(OH)₂ nanobelts via a thermal decomposition route for the electrocatalytic oxidation of H₂O₂. CrystEngComm, 2014, 16, 9721-9726.	1.3	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. Chemical Communications, 2013, 49, 6647.	2.2	41
57	Morphology control of silver nanostructures via a chemical redox process by mixed amine ligands. CrystEngComm, 2013, 15, 7564.	1.3	4
58	Graphene oxide embedded sandwich nanostructures for enhanced Raman readout and their applications in pesticide monitoring. Nanoscale, 2013, 5, 3773.	2.8	176
59	Ratiometric fluorescence detection of mercuric ion based on the nanohybrid of fluorescence carbon dots and quantum dots. Analytica Chimica Acta, 2013, 786, 146-152.	2.6	106
60	Fluorescent graphene oxide logic gates for discrimination of iron (3+) and iron (2+) in living cells by imaging. Chemical Communications, 2012, 48, 7468.	2.2	133
61	Shell Thickness-Dependent Raman Enhancement for Rapid Identification and Detection of Pesticide Residues at Fruit Peels. Analytical Chemistry, 2012, 84, 255-261.	3.2	399
62	Multilayered shell SERS nanotags with a highly uniform single-particle Raman readout for ultrasensitive immunoassays. Chemical Communications, 2012, 48, 9421.	2.2	51
63	Trinitrotoluene Explosive Lights up Ultrahigh Raman Scattering of Nonresonant Molecule on a Top-Closed Silver Nanotube Array. Analytical Chemistry, 2011, 83, 6913-6917.	3.2	123
64	Single clusters of self-assembled silver nanoparticles for surface-enhanced Raman scattering sensing of a dithiocarbamate fungicide. Journal of Materials Chemistry, 2011, 21, 16264.	6.7	74
65	Surface-enhanced Raman scattering sensor for theophylline determination by molecular imprinting on silver nanoparticles. Analyst, The, 2011, 136, 4152.	1.7	56
66	Formation of cobalt hollow nanospheres via surfactant-assisted hydrothermal progress. Materials Chemistry and Physics, 2009, 113, 531-533.	2.0	15
67	Nanocontact-induced catalytic activation in palladium nanoparticles. Nanoscale, 2009, 1, 391.	2.8	20
68	Upâ€•and Downâ€Conversion Cubic Zirconia and Hafnia Nanobelts. Advanced Materials, 2008, 20, 4826-4829.	11.1	84
69	Synthesis of BaTiO₃ Nanowires at Low Temperature. Crystal Growth and Design, 2007, 7, 2713-2715.	1.4	31
70	Hydrothermal synthesis and characterization of ZnS microspheres and hollow nanospheres. Materials Chemistry and Physics, 2007, 103, 24-27.	2.0	41
71	Growth of dendritic bismuth microspheres by solution-phase process. Materials Letters, 2007, 61, 3037-3040.	1.3	14
72	General solution-based route to Vâ€“VI semiconductors nanorods from hydrolysate. Journal of Nanoparticle Research, 2007, 9, 269-274.	0.8	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.	1.4	8
74	Self-Assembled Copper Nanowalls into Microstructures with Different Shapes:â€‰ A Facile Aqueous Approach. Crystal Growth and Design, 2006, 6, 2603-2606.	1.4	32
75	Aqueous solution route to flower-like microstructures of ferromagnetic nickel nanotips. Materials Letters, 2006, 60, 2319-2321.	1.3	30
76	Solution Route to Semiconducting Nanomaterials. , 2006, , 1-24.		1
77	Low-temperature solvothermal route to 2Hâ€“SiC nanoflakes. Applied Physics Letters, 2006, 88, 071913.	1.5	39
78	Hydrothermal fabrication of copper sulfide nanocones and nanobelts. Materials Letters, 2005, 59, 1008-1011.	1.3	49
79	Synthesis and characterization of ZnSe hollow nanospheres via a hydrothermal route. Nanotechnology, 2005, 16, 551-554.	1.3	59
80	Magnetic Fe3O4nanodisc synthesis on a large scale via a surfactant-assisted process. Nanotechnology, 2005, 16, 1584-1588.	1.3	49
81	Precursor-Induced Hydrothermal Synthesis of Flowerlike Cupped-End Microrod Bundles of ZnO. Journal of Physical Chemistry B, 2005, 109, 1361-1363.	1.2	85
82	Synthesis of ferromagnetic single-crystalline cobalt nanobelts via a surfactant-assisted hydrothermal reduction process. Nanotechnology, 2005, 16, 2958-2962.	1.3	80
83	Fe3O4Nanocrystals with Novel Fractal. Journal of Physical Chemistry B, 2005, 109, 18356-18360.	1.2	104
84	A self-generated template route to hollow carbon nanospheres in a short time. Solid State Communications, 2004, 131, 749-752.	0.9	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.	1.0	55
86	A Mild Reduction Route to PTFE Degradation at Low Temperature. Chemistry Letters, 2004, 33, 1150-1151.	0.7	3