Hongliang Tan

List of Publications by Year
in descending order

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65 papers	3,512 citations	109321 35 h-index	133252 59 g-index
65 all docs	65 docs citations	65 times ranked	4475 citing authors

#	Article	IF	Citations
1	Lanthanide Coordination Polymer Nanoparticles for Sensing of Mercury(II) by Photoinduced Electron Transfer. ACS Nano, 2012, 6, 10505-10511.	14.6	235
2	Metalâ€“Organic Frameworkâ€Derived Copper Nanoparticle@Carbon Nanocomposites as Peroxidase Mimics for Colorimetric Sensing of Ascorbic Acid. Chemistry - A European Journal, 2014, 20, 16377-16383.	3.3	203
3	Electrochemical Sensing and Biosensing Platform Based on Biomass-Derived Macroporous Carbon Materials. Analytical Chemistry, 2014, 86, 1414-1421.	6.5	202
4	Silver nanoparticle enhanced fluorescence of europium (III) for detection of tetracycline in milk. Sensors and Actuators B: Chemical, 2012, 173, 262-267.	7.8	148
5	Determination of tetracycline in milk by using nucleotide/lanthanide coordination polymer-based ternary complex. Biosensors and Bioelectronics, 2013, 50, 447-452.	10.1	138
6	Colorimetric logic gate for alkaline phosphatase based on copper (II)-based metal-organic frameworks with peroxidase-like activity. Analytica Chimica Acta, 2018, 1004, 74-81.	5.4	129
7	Heterogeneous multi-compartmental hydrogel particles as synthetic cells for incompatible tandem reactions. Nature Communications, 2017, 8, 663.	12.8	126
8	CeO_x-modified RhNi nanoparticles grown on rGO as highly efficient catalysts for complete hydrogen generation from hydrazine borane and hydrazine. Journal of Materials Chemistry A, 2015, 3, 23520-23529.	10.3	125
9	A sensitive fluorescent assay for thiamine based on metal-organic frameworks with intrinsic peroxidase-like activity. Analytica Chimica Acta, 2015, 856, 90-95.	5.4	104
10	Self-Assembled FRET Nanoprobe with Metalâ€“Organic Framework As a Scaffold for Ratiometric Detection of Hypochlorous Acid. Analytical Chemistry, 2020, 92, 3447-3454.	6.5	102
11	Integrated Antibody with Catalytic Metalâ€“Organic Framework for Colorimetric Immunoassay. ACS Applied Materials & Interfaces, 2018, 10, 25113-25120.	8.0	96
12	Ag+-enhanced fluorescence of lanthanide/nucleotide coordination polymers and Ag+ sensing. Chemical Communications, 2011, 47, 12373.	4.1	90
13	Nanoscaled lanthanide/nucleotide coordination polymer for detection of an anthrax biomarker. Sensors and Actuators B: Chemical, 2014, 190, 621-626.	7.8	82
14	pH-Switchable Electrochemical Sensing Platform based on Chitosan-Reduced Graphene Oxide/Concanavalin A Layer for Assay of Glucose and Urea. Analytical Chemistry, 2014, 86, 1980-1987.	6.5	81
15	Ratiometric fluorescent detection of biomakers for biological warfare agents with carbon dots chelated europium-based nanoscale coordination polymers. Sensors and Actuators B: Chemical, 2015, 221, 586-592.	7.8	74
16	Metal organic framework-derived anthill-like Cu@carbon nanocomposites for nonenzymatic glucose sensor. Analytical Methods, 2014, 6, 1550.	2.7	71
17	Three-Dimensional Kenaf Stem-Derived Porous Carbon/MnO2 for High-Performance Supercapacitors. Electrochimica Acta, 2014, 135, 380-387.	5.2	71
18	Carbon coated magnetite nanoparticles with improved water-dispersion and peroxidase-like activity for colorimetric sensing of glucose. Sensors and Actuators B: Chemical, 2015, 215, 86-92.	7.8	69

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19	Terbium-Based Coordination Polymer Nanoparticles for Detection of Ciprofloxacin in Tablets and Biological Fluids. ACS Applied Materials & Interfaces, 2013, 5, 11791-11796.	8.0	67
20	Detection of mercury ions (Hg2+) in urine using a terbium chelate fluorescent probe. Sensors and Actuators B: Chemical, 2011, 156, 120-125.	7.8	64
21	Upconversion nanoparticle-based fluorescence resonance energy transfer assay for Cr(III) ions in urine. Analytica Chimica Acta, 2013, 761, 178-185.	5.4	64
22	Lanthanide based dual-emission fluorescent probe for detection of mercury (II) in milk. Biosensors and Bioelectronics, 2015, 63, 566-571.	10.1	60
23	A Green Strategy to Prepare Metal Oxide Superstructure from Metal-Organic Frameworks. Scientific Reports, 2015, 5, 8401.	3.3	54
24	Magnetic porous carbon nanocomposites derived from metal-organic frameworks as a sensing platform for DNA fluorescent detection. Analytica Chimica Acta, 2016, 940, 136-142.	5.4	54
25	Copper (II)-mediated fluorescence of lanthanide coordination polymers doped with carbon dots for ratiometric detection of hydrogen sulfide. Sensors and Actuators B: Chemical, 2017, 253, 27-33.	7.8	54
26	Luminescence Nucleotide/Eu³⁺ Coordination Polymer Based on the Inclusion of Tetracycline. Journal of Physical Chemistry C, 2012, 116, 2292-2296.	3.1	53
27	Prussian blue nanocubes on nitrobenzene-functionalized reduced graphene oxide and its application for H2O2 biosensing. Electrochimica Acta, 2013, 114, 223-232.	5.2	52
28	A Colorimetric Immunoassay Based on Coordination Polymer Composite for the Detection of Carcinoembryonic Antigen. ACS Applied Materials & Interfaces, 2019, 11, 43031-43038.	8.0	52
29	Colorimetric determination of mercury(II) via the inhibition by ssDNA of the oxidase-like activity of a mixed valence state cerium-based metal-organic framework. Mikrochimica Acta, 2018, 185, 475.	5.0	51
30	Lanthanide/nucleotide coordination polymers: an excellent host platform for encapsulating enzymes and fluorescent nanoparticles to enhance ratiometric sensing. Journal of Materials Chemistry B, 2017, 5, 7692-7700.	5.8	48
31	Coreâ€“shell structured nanocomposites Ag@CeO₂ as catalysts for hydrogenation of 4-nitrophenol and 2-nitroaniline. RSC Advances, 2016, 6, 47966-47973.	3.6	45
32	A turn on fluorescent sensor based on lanthanide coordination polymer nanoparticles for the detection of mercury(<scp>ii</scp>) in biological fluids. RSC Advances, 2016, 6, 17811-17817.	3.6	45
33	A terbium chelate based fluorescent assay for alkaline phosphatase in biological fluid. Sensors and Actuators B: Chemical, 2014, 202, 683-689.	7.8	41
34	Functionalized lanthanide coordination polymer nanoparticles for selective sensing of hydrogen peroxide in biological fluids. Analyst, The, 2014, 139, 5516-5522.	3.5	39
35	Conformation, Bioactivity and Electrochemical Performance of Glucose Oxidase Immobilized on Surface of Gold Nanoparticles. Electrochimica Acta, 2015, 158, 56-63.	5.2	37
36	Visual detection of silver(I) ions by a chromogenic reaction catalyzed by gold nanoparticles. Mikrochimica Acta, 2013, 180, 331-339.	5.0	34

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37	Pyrophosphate ion-responsive alginate hydrogel as an effective fluorescent sensing platform for alkaline phosphatase detection. Chemical Communications, 2019, 55, 11450-11453.	4.1	34
38	A novel nonenzymatic hydrogen peroxide sensor based on three-dimensional porous Ni foam modified with a Pt electrocatalyst. Analytical Methods, 2014, 6, 235-241.	2.7	32
39	Time-Resolved Fluorescence Detection of Superoxide Anions Based on an Enzyme-Integrated Lanthanide Coordination Polymer Composite. ACS Applied Materials & Interfaces, 2020, 12, 30882-30889.	8.0	27
40	Hierarchical nanocomposites of Co3O4/polyaniline nanowire arrays/reduced graphene oxide sheets for amino acid detection. Sensors and Actuators B: Chemical, 2014, 203, 864-872.	7.8	25
41	Dual-emissive polystyrene@zeolitic imidazolate framework-8 composite for ratiometric detection of singlet oxygen. Journal of Materials Chemistry B, 2017, 5, 9175-9182.	5.8	25
42	Lanthanide-functionalized silver nanoparticles for detection of an anthrax biomarker and test paper fabrication. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	24
43	Terbium(III) based coordination polymer microparticles as a luminescent probe for ascorbic acid. Mikrochimica Acta, 2014, 181, 1431-1437.	5.0	21
44	Luminescent lanthanide coordination polymer as a platform for DNA colorimetric detection. Sensors and Actuators B: Chemical, 2017, 244, 571-576.	7.8	19
45	Pyrophosphate ion-triggered competitive displacement of ssDNA from a metalâ€“organic framework and its application in fluorescent sensing of alkaline phosphatase. Journal of Materials Chemistry B, 2018, 6, 7614-7620.	5.8	19
46	A terbium(<scp>iii</scp>)-based coordination polymer for time-resolved determination of hydrogen sulfide in human serum via displacement of copper(<scp>ii</scp>). Analytical Methods, 2017, 9, 1004-1010.	2.7	17
47	Ratiometric fluorescent detection of superoxide anion with polystyrene@nanoscale coordination polymers. Sensors and Actuators B: Chemical, 2017, 238, 938-944.	7.8	17
48	Effects of the Electrostatic Repulsion Between Nanoparticles on Colorimetric Sensing: An Investigation of Determination of Hg2+ with Silver Nanoparticles. Plasmonics, 2013, 8, 705-713.	3.4	16
49	Colorimetric detection of hydrogen sulfide based on terbium-G-quadruplex-hemin DNAzyme. Sensors and Actuators B: Chemical, 2016, 237, 795-801.	7.8	16
50	Luminescence detection of cysteine based on Ag+-mediated conformational change of terbium ion-promoted G-quadruplex. Analytica Chimica Acta, 2016, 908, 161-167.	5.4	16
51	Hybrid hydrogel reactor with metalâ€“organic framework for biomimetic cascade catalysis. Chemical Engineering Journal, 2021, 425, 131482.	12.7	16
52	Ratiometric detection of hydroxy radicals based on functionalized europium(III) coordination polymers. Mikrochimica Acta, 2018, 185, 9.	5.0	15
53	A simple and rapid colorimetric method for the determination of Mn2+ based on pyrophosphate modified silver nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 478, 1-6.	4.7	14
54	Terbium (III) coordination polymerâ€“copper (II) compound as fluorescent probe for timeâ€resolved fluorescence â€˜turnâ€onâ€™ detection of hydrogen sulfide. Luminescence, 2018, 33, 161-167.	2.9	14

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55	Cascadeâ€Amplified Timeâ€Resolved Fluorescent Assay Driven by an Enzymeâ€Integrated Catalytic Compartment as an Artificial Multiâ€Enzyme Complex. Chemistry - A European Journal, 2019, 25, 9629-9633.	3.3	14
56	Binding characteristics and interactive region of 2â€phenylpyrazolo[1,5â€c]quinazoline with DNA. Luminescence, 2014, 29, 1141-1147.	2.9	12
57	A turn-on fluorescent assay for glucose detection based on carbon dots/manganese dioxide assembly. Microchemical Journal, 2020, 158, 105266.	4.5	10
58	Visual detection of alkaline phosphatase based on ascorbic acid-triggered gel-sol transition of alginate hydrogel. Analytica Chimica Acta, 2021, 1148, 238193.	5.4	10
59	Detection of biothiols in cells by a terbium chelate-Hg (II) system. Journal of Biomedical Optics, 2012, 17, 017001.	2.6	8
60	Cascade amplified colorimetric immunoassay based on an integrated multifunctional composite with catalytic coordination polymers for prostate specific antigen detection. Journal of Materials Chemistry B, 2020, 8, 10662-10669.	5.8	8
61	Fluorescent enzyme-linked immunosorbent assay based on alkaline phosphatase-responsive coordination polymer composite. Mikrochimica Acta, 2021, 188, 263.	5.0	8
62	Hydrogel microreactor integrated double cascade reactions for synergistic bacterial inactivation and wound disinfection. Chemical Engineering Journal, 2022, 442, 136153.	12.7	7
63	Effect of particle size on conformation and enzymatic activity of EcoRI adsorbed on CdS nanoparticles. Colloids and Surfaces B: Biointerfaces, 2014, 114, 269-276.	5.0	4
64	Surfactant-mediated morphology and fluorescent properties of amino acids-based lanthanide coordination polymers. RSC Advances, 2015, 5, 68781-68787.	3.6	2
65	Integrated enzyme with stimuli-responsive coordination polymer for personal glucose meter-based portable immunoassay. Analytica Chimica Acta, 2022, 1207, 339774.	5.4	2