

Hongliang Tan

List of Publications by Year in descending order

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65
papers

3,512
citations

109137
35
h-index

138251
58
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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. <i>ACS Nano</i> , 2012, 6, 10505-10511.	7.3	235
2	Metal-Organic Framework-Derived Copper Nanoparticle@Carbon Nanocomposites as Peroxidase Mimics for Colorimetric Sensing of Ascorbic Acid. <i>Chemistry - A European Journal</i> , 2014, 20, 16377-16383.	1.7	203
3	Electrochemical Sensing and Biosensing Platform Based on Biomass-Derived Macroporous Carbon Materials. <i>Analytical Chemistry</i> , 2014, 86, 1414-1421.	3.2	202
4	Silver nanoparticle enhanced fluorescence of europium (III) for detection of tetracycline in milk. <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 262-267.	4.0	148
5	Determination of tetracycline in milk by using nucleotide/lanthanide coordination polymer-based ternary complex. <i>Biosensors and Bioelectronics</i> , 2013, 50, 447-452.	5.3	138
6	Colorimetric logic gate for alkaline phosphatase based on copper (II)-based metal-organic frameworks with peroxidase-like activity. <i>Analytica Chimica Acta</i> , 2018, 1004, 74-81.	2.6	129
7	Heterogeneous multi-compartmental hydrogel particles as synthetic cells for incompatible tandem reactions. <i>Nature Communications</i> , 2017, 8, 663.	5.8	126
8	CeO _x -modified RhNi nanoparticles grown on rGO as highly efficient catalysts for complete hydrogen generation from hydrazine borane and hydrazine. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23520-23529.	5.2	125
9	A sensitive fluorescent assay for thiamine based on metal-organic frameworks with intrinsic peroxidase-like activity. <i>Analytica Chimica Acta</i> , 2015, 856, 90-95.	2.6	104
10	Self-Assembled FRET Nanoprobe with Metal-Organic Framework As a Scaffold for Ratiometric Detection of Hypochlorous Acid. <i>Analytical Chemistry</i> , 2020, 92, 3447-3454.	3.2	102
11	Integrated Antibody with Catalytic Metal-Organic Framework for Colorimetric Immunoassay. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25113-25120.	4.0	96
12	Ag ⁺ -enhanced fluorescence of lanthanide/nucleotide coordination polymers and Ag ⁺ sensing. <i>Chemical Communications</i> , 2011, 47, 12373.	2.2	90
13	Nanoscaled lanthanide/nucleotide coordination polymer for detection of an anthrax biomarker. <i>Sensors and Actuators B: Chemical</i> , 2014, 190, 621-626.	4.0	82
14	pH-Switchable Electrochemical Sensing Platform based on Chitosan-Reduced Graphene Oxide/Concanavalin A Layer for Assay of Glucose and Urea. <i>Analytical Chemistry</i> , 2014, 86, 1980-1987.	3.2	81
15	Ratiometric fluorescent detection of biomarkers for biological warfare agents with carbon dots chelated europium-based nanoscale coordination polymers. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 586-592.	4.0	74
16	Metal organic framework-derived anthill-like Cu@carbon nanocomposites for nonenzymatic glucose sensor. <i>Analytical Methods</i> , 2014, 6, 1550.	1.3	71
17	Three-Dimensional Kenaf Stem-Derived Porous Carbon/MnO ₂ for High-Performance Supercapacitors. <i>Electrochimica Acta</i> , 2014, 135, 380-387.	2.6	71
18	Carbon coated magnetite nanoparticles with improved water-dispersion and peroxidase-like activity for colorimetric sensing of glucose. <i>Sensors and Actuators B: Chemical</i> , 2015, 215, 86-92.	4.0	69

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19	Terbium-Based Coordination Polymer Nanoparticles for Detection of Ciprofloxacin in Tablets and Biological Fluids. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 11791-11796.	4.0	67
20	Detection of mercury ions (Hg ²⁺) in urine using a terbium chelate fluorescent probe. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 120-125.	4.0	64
21	Upconversion nanoparticle-based fluorescence resonance energy transfer assay for Cr(III) ions in urine. <i>Analytica Chimica Acta</i> , 2013, 761, 178-185.	2.6	64
22	Lanthanide based dual-emission fluorescent probe for detection of mercury (II) in milk. <i>Biosensors and Bioelectronics</i> , 2015, 63, 566-571.	5.3	60
23	A Green Strategy to Prepare Metal Oxide Superstructure from Metal-Organic Frameworks. <i>Scientific Reports</i> , 2015, 5, 8401.	1.6	54
24	Magnetic porous carbon nanocomposites derived from metal-organic frameworks as a sensing platform for DNA fluorescent detection. <i>Analytica Chimica Acta</i> , 2016, 940, 136-142.	2.6	54
25	Copper (II)-mediated fluorescence of lanthanide coordination polymers doped with carbon dots for ratiometric detection of hydrogen sulfide. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 27-33.	4.0	54
26	Luminescence Nucleotide/Eu ³⁺ Coordination Polymer Based on the Inclusion of Tetracycline. <i>Journal of Physical Chemistry C</i> , 2012, 116, 2292-2296.	1.5	53
27	Prussian blue nanocubes on nitrobenzene-functionalized reduced graphene oxide and its application for H ₂ O ₂ biosensing. <i>Electrochimica Acta</i> , 2013, 114, 223-232.	2.6	52
28	A Colorimetric Immunoassay Based on Coordination Polymer Composite for the Detection of Carcinoembryonic Antigen. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 43031-43038.	4.0	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. <i>Mikrochimica Acta</i> , 2018, 185, 475.	2.5	51
30	Lanthanide/nucleotide coordination polymers: an excellent host platform for encapsulating enzymes and fluorescent nanoparticles to enhance ratiometric sensing. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7692-7700.	2.9	48
31	Core-shell structured nanocomposites Ag@CeO ₂ as catalysts for hydrogenation of 4-nitrophenol and 2-nitroaniline. <i>RSC Advances</i> , 2016, 6, 47966-47973.	1.7	45
32	A turn on fluorescent sensor based on lanthanide coordination polymer nanoparticles for the detection of mercury(II) in biological fluids. <i>RSC Advances</i> , 2016, 6, 17811-17817.	1.7	45
33	A terbium chelate based fluorescent assay for alkaline phosphatase in biological fluid. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 683-689.	4.0	41
34	Functionalized lanthanide coordination polymer nanoparticles for selective sensing of hydrogen peroxide in biological fluids. <i>Analyst</i> , 2014, 139, 5516-5522.	1.7	39
35	Conformation, Bioactivity and Electrochemical Performance of Glucose Oxidase Immobilized on Surface of Gold Nanoparticles. <i>Electrochimica Acta</i> , 2015, 158, 56-63.	2.6	37
36	Visual detection of silver(I) ions by a chromogenic reaction catalyzed by gold nanoparticles. <i>Mikrochimica Acta</i> , 2013, 180, 331-339.	2.5	34

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37	Pyrophosphate ion-responsive alginate hydrogel as an effective fluorescent sensing platform for alkaline phosphatase detection. <i>Chemical Communications</i> , 2019, 55, 11450-11453.	2.2	34
38	A novel nonenzymatic hydrogen peroxide sensor based on three-dimensional porous Ni foam modified with a Pt electrocatalyst. <i>Analytical Methods</i> , 2014, 6, 235-241.	1.3	32
39	Time-Resolved Fluorescence Detection of Superoxide Anions Based on an Enzyme-Integrated Lanthanide Coordination Polymer Composite. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 30882-30889.	4.0	27
40	Hierarchical nanocomposites of Co ₃ O ₄ /polyaniline nanowire arrays/reduced graphene oxide sheets for amino acid detection. <i>Sensors and Actuators B: Chemical</i> , 2014, 203, 864-872.	4.0	25
41	Dual-emissive polystyrene@zeolitic imidazolate framework-8 composite for ratiometric detection of singlet oxygen. <i>Journal of Materials Chemistry B</i> , 2017, 5, 9175-9182.	2.9	25
42	Lanthanide-functionalized silver nanoparticles for detection of an anthrax biomarker and test paper fabrication. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	24
43	Terbium(III) based coordination polymer microparticles as a luminescent probe for ascorbic acid. <i>Mikrochimica Acta</i> , 2014, 181, 1431-1437.	2.5	21
44	Luminescent lanthanide coordination polymer as a platform for DNA colorimetric detection. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 571-576.	4.0	19
45	Pyrophosphate ion-triggered competitive displacement of ssDNA from a metal-organic framework and its application in fluorescent sensing of alkaline phosphatase. <i>Journal of Materials Chemistry B</i> , 2018, 6, 7614-7620.	2.9	19
46	A terbium(III)-based coordination polymer for time-resolved determination of hydrogen sulfide in human serum via displacement of copper(II). <i>Analytical Methods</i> , 2017, 9, 1004-1010.	1.3	17
47	Ratiometric fluorescent detection of superoxide anion with polystyrene@nanoscale coordination polymers. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 938-944.	4.0	17
48	Effects of the Electrostatic Repulsion Between Nanoparticles on Colorimetric Sensing: An Investigation of Determination of Hg ²⁺ with Silver Nanoparticles. <i>Plasmonics</i> , 2013, 8, 705-713.	1.8	16
49	Colorimetric detection of hydrogen sulfide based on terbium-G-quadruplex-hemin DNAzyme. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 795-801.	4.0	16
50	Luminescence detection of cysteine based on Ag ⁺ -mediated conformational change of terbium ion-promoted G-quadruplex. <i>Analytica Chimica Acta</i> , 2016, 908, 161-167.	2.6	16
51	Hybrid hydrogel reactor with metal-organic framework for biomimetic cascade catalysis. <i>Chemical Engineering Journal</i> , 2021, 425, 131482.	6.6	16
52	Ratiometric detection of hydroxy radicals based on functionalized europium(III) coordination polymers. <i>Mikrochimica Acta</i> , 2018, 185, 9.	2.5	15
53	A simple and rapid colorimetric method for the determination of Mn ²⁺ based on pyrophosphate modified silver nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 478, 1-6.	2.3	14
54	Terbium (III) coordination polymer-copper (II) compound as fluorescent probe for time-resolved fluorescence turn-on detection of hydrogen sulfide. <i>Luminescence</i> , 2018, 33, 161-167.	1.5	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.	1.7	14
56	Binding characteristics and interactive region of 2â€phenylpyrazolo[1,5â€ <i>c</i> </i>]quinazoline with DNA. Luminescence, 2014, 29, 1141-1147.	1.5	12
57	A turn-on fluorescent assay for glucose detection based on carbon dots/manganese dioxide assembly. Microchemical Journal, 2020, 158, 105266.	2.3	10
58	Visual detection of alkaline phosphatase based on ascorbic acid-triggered gel-sol transition of alginate hydrogel. Analytica Chimica Acta, 2021, 1148, 238193.	2.6	10
59	Detection of biothiols in cells by a terbium chelate-Hg (II) system. Journal of Biomedical Optics, 2012, 17, 017001.	1.4	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.	2.9	8
61	Fluorescent enzyme-linked immunosorbent assay based on alkaline phosphatase-responsive coordination polymer composite. Mikrochimica Acta, 2021, 188, 263.	2.5	8
62	Hydrogel microreactor integrated double cascade reactions for synergistic bacterial inactivation and wound disinfection. Chemical Engineering Journal, 2022, 442, 136153.	6.6	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.	2.5	4
64	Surfactant-mediated morphology and fluorescent properties of amino acids-based lanthanide coordination polymers. RSC Advances, 2015, 5, 68781-68787.	1.7	2
65	Integrated enzyme with stimuli-responsive coordination polymer for personal glucose meter-based portable immunoassay. Analytica Chimica Acta, 2022, 1207, 339774.	2.6	2