

Yong Li

List of Publications by Year in descending order

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97
papers

4,526
citations

101384

36
h-index

110170

64
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97
all docs

97
docs citations

97
times ranked

6159
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphology-dependent redox and catalytic properties of CeO ₂ nanostructures: Nanowires, nanorods and nanoparticles. <i>Catalysis Today</i> , 2009, 148, 179-183.	2.2	333
2	Oxygen Vacancy Promoted Heterogeneous Fenton-like Degradation of Ofloxacin at pH 3.2–9.0 by Cu Substituted Magnetic Fe ₃ O ₄ @FeOOH Nanocomposite. <i>Environmental Science & Technology</i> , 2017, 51, 12699-12706.	4.6	273
3	Synthesis, crystal structure, DNA interaction and antioxidant activities of two novel water-soluble Cu(2+) complexes derived from 2-oxo-quinoline-3-carbaldehyde Schiff-bases. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 4477-4484.	2.6	262
4	Crystal structures, DNA-binding and cytotoxic activities studies of Cu(II) complexes with 2-oxo-quinoline-3-carbaldehyde Schiff-bases. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 5353-5361.	2.6	186
5	A novel singlet oxygen involved peroxymonosulfate activation mechanism for degradation of ofloxacin and phenol in water. <i>Chemical Communications</i> , 2017, 53, 6589-6592.	2.2	154
6	Synthesis, crystal structures, biological activities and fluorescence studies of transition metal complexes with 3-carbaldehyde chromone thiosemicarbazone. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 5692-5701.	2.6	142
7	Nonenzymatic electrochemical sensor based on CuO-TiO ₂ for sensitive and selective detection of methyl parathion pesticide in ground water. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 135-142.	4.0	137
8	Biogenic manganese oxide: An efficient peroxymonosulfate activation catalyst for tetracycline and phenol degradation in water. <i>Chemical Engineering Journal</i> , 2018, 352, 469-476.	6.6	129
9	A simple structure fluorescent chemosensor for high selectivity and sensitivity of aluminum ions. <i>Dyes and Pigments</i> , 2013, 97, 124-128.	2.0	119
10	Highly sensitive and selective paper sensor based on carbon quantum dots for visual detection of TNT residues in groundwater. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 1002-1009.	4.0	114
11	Controlled synthesis of dandelion-like NiCo ₂ O ₄ microspheres and their catalytic performance for peroxymonosulfate activation in humic acid degradation. <i>Chemical Engineering Journal</i> , 2018, 331, 144-151.	6.6	107
12	Enhanced 2, 4-dichlorophenol degradation at pH 3–11 by peroxymonosulfate via controlling the reactive oxygen species over Ce substituted 3D Mn ₂ O ₃ . <i>Chemical Engineering Journal</i> , 2019, 355, 448-456.	6.6	105
13	Synthesis, Characterization, DNA Binding Properties, Fluorescence Studies and Antioxidant Activity of Transition Metal Complexes with Hesperetin-2-hydroxy Benzoyl Hydrazone. <i>Journal of Fluorescence</i> , 2010, 20, 891-905.	1.3	88
14	Carbon doped molybdenum disulfide nanosheets stabilized on graphene for the hydrogen evolution reaction with high electrocatalytic ability. <i>Nanoscale</i> , 2016, 8, 1676-1683.	2.8	88
15	An effective Cu(II) quenching fluorescence sensor in aqueous solution and 1D chain coordination polymer framework. <i>Dalton Transactions</i> , 2011, 40, 9370.	1.6	83
16	DNA binding affinity and antioxidative activity of copper(II) and zinc(II) complexes with a novel hesperetin Schiff base ligand. <i>Inorganica Chimica Acta</i> , 2009, 362, 4823-4831.	1.2	74
17	Synthesis, characterization, DNA binding properties and antioxidant activity of Ln(III) complexes with hesperetin-4-one-(benzoyl) hydrazone. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 4585-4595.	2.6	73
18	Visual and sensitive fluorescent sensing for ultratrace mercury ions by perovskite quantum dots. <i>Analytica Chimica Acta</i> , 2017, 986, 109-114.	2.6	73

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19	Facile synthesis of Fe ₃ O ₄ nanoparticles decorated on 3D graphene aerogels as broad-spectrum sorbents for water treatment. <i>Applied Surface Science</i> , 2016, 369, 11-18.	3.1	69
20	Water-soluble and highly selective fluorescent sensor from naphthol aldehyde-tris derivate for aluminium ion detection. <i>Sensors and Actuators B: Chemical</i> , 2014, 197, 200-205.	4.0	65
21	Enhanced peroxymonosulfate activation by supported microporous carbon for degradation of tetracycline via non-radical mechanism. <i>Separation and Purification Technology</i> , 2020, 240, 116617.	3.9	65
22	Heterogeneous Fenton-like degradation of ofloxacin over a wide pH range of 3.6–10.0 over modified mesoporous iron oxide. <i>Chemical Engineering Journal</i> , 2017, 328, 397-405.	6.6	64
23	Successful synthesis of 3D CoSe ₂ hollow microspheres with high surface roughness and its excellent performance in catalytic hydrogen evolution reaction. <i>Chemical Engineering Journal</i> , 2017, 321, 105-112.	6.6	63
24	Large-Scale Synthesis of Graphene-Like MoSe ₂ Nanosheets for Efficient Hydrogen Evolution Reaction. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1974-1981.	1.5	62
25	Fabrication, performance and mechanism of MgO meso-/macroporous nanostructures for simultaneous removal of As(III) and F in a groundwater system. <i>Environmental Science: Nano</i> , 2016, 3, 1416-1424.	2.2	61
26	Active 3D Pd/graphene aerogel catalyst for hydrogen generation from the hydrolysis of ammonia-borane. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 15225-15235.	3.8	60
27	Highly selective and sensitive determination of copper ion based on a visual fluorescence method. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 66-75.	4.0	59
28	Novel MoSe ₂ hierarchical microspheres for applications in visible-light-driven advanced oxidation processes. <i>Nanoscale</i> , 2015, 7, 19970-19976.	2.8	57
29	A portable logic detector based on Eu-MOF for multi-target, on-site, visual detection of Eu ³⁺ and fluoride in groundwater. <i>Sensors and Actuators B: Chemical</i> , 2020, 324, 128641.	4.0	56
30	ABC triblock copolymer-stabilized gold nanoparticles for catalytic reduction of 4-nitrophenol. <i>Journal of Catalysis</i> , 2015, 329, 425-430.	3.1	50
31	pH-dependent oxidation mechanisms over FeCu doped g-C ₃ N ₄ for ofloxacin degradation via the efficient peroxymonosulfate activation. <i>Journal of Cleaner Production</i> , 2021, 315, 128207.	4.6	50
32	Synthesis, crystal structure, DNA binding properties and antioxidant activities of transition metal complexes with 3-carbaldehyde-chromone semicarbazone. <i>Inorganic Chemistry Communication</i> , 2010, 13, 1213-1216.	1.8	48
33	Multi-sensing function integrated nitrogen-doped fluorescent carbon dots as the platform toward multi-mode detection and bioimaging. <i>Talanta</i> , 2020, 210, 120653.	2.9	47
34	Superior capability of MgAl ₂ O ₄ for selenite removal from contaminated groundwater during its reconstruction of layered double hydroxides. <i>Separation and Purification Technology</i> , 2017, 176, 66-72.	3.9	46
35	Facile synthesis of hierarchical dendrite-like structure iron layered double hydroxide nanohybrids for effective arsenic removal. <i>Chemical Communications</i> , 2016, 52, 11955-11958.	2.2	40
36	Novel dual ligands capped perovskite quantum dots for fluoride detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 291-297.	4.0	38

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37	Rare Earth Complexes with 3-Carbaldehyde Chromone-(Benzoyl) Hydrazone: Synthesis, Characterization, DNA Binding Studies and Antioxidant Activity. <i>Journal of Fluorescence</i> , 2010, 20, 329-342.	1.3	37
38	Ratiometric fluorescence detection of mercuric ions by sole intrinsic dual-emitting gold nanoclusters. <i>Sensors and Actuators B: Chemical</i> , 2019, 278, 82-87.	4.0	37
39	A novel fluorescent chemosensor for Zn(II) based on 1,2-(2-oxoquinoline-3-yl-methylideneimino)ethane. <i>Inorganic Chemistry Communication</i> , 2010, 13, 606-608.	1.8	36
40	Design and synthesis of a molecule with aggregation-induced emission effects and its application in the detection of arsenite in groundwater. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3669-3672.	2.7	32
41	A versatile logic detector and fluorescent film based on Eu-based MOF for swift detection of formaldehyde in solutions and gas phase. <i>Journal of Hazardous Materials</i> , 2021, 410, 124624.	6.5	32
42	Portable ratiometric probe based on the use of europium(III) coordination polymers doped with carbon dots for visual fluorometric determination of oxytetracycline. <i>Mikrochimica Acta</i> , 2020, 187, 125.	2.5	31
43	Controlled synthesis of monodisperse Pd x Sn 100 [~] x nanoparticles and their catalytic activity for hydrogen generation from the hydrolysis of ammonia-borane. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 9235-9243.	3.8	30
44	Efficient fenton-like degradation of ofloxacin over bimetallic Fe@Cu@Sepiolite composite. <i>Chemosphere</i> , 2020, 257, 127209.	4.2	30
45	Two Schiff-base fluorescent sensors for selective sensing of aluminum (III): Experimental and computational studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 152, 352-357.	2.0	29
46	Visual and quantitative detection of glucose based on the intrinsic peroxidase-like activity of CoSe ₂ /rGO nanohybrids. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 221-229.	4.0	25
47	Enhanced usage of visible light by BiSex for photocatalytic degradation of methylene blue in water via the tunable band gap and energy band position. <i>Journal of Cleaner Production</i> , 2018, 171, 538-547.	4.6	25
48	DNA-binding properties and antioxidant activity of lanthanide complexes with the Schiff base derived from 3-carbaldehyde chromone and isonicotinyl hydrazine. <i>Journal of Coordination Chemistry</i> , 2010, 63, 1960-1968.	0.8	24
49	Lanthanide complex of 1-phenyl-3-methyl-5-hydroxypyrazole-4-carbaldehyde-(isonicotinoyl) hydrazone: crystal structure and DNA-binding properties. <i>Journal of Coordination Chemistry</i> , 2011, 64, 2974-2983.	0.8	24
50	Magnetic nanoparticles modified with DTPA-AMC-rare earth for fluorescent and magnetic resonance dual mode imaging. <i>Dalton Transactions</i> , 2012, 41, 8723.	1.6	24
51	Enhanced peroxymonosulfate decomposition into OH and 1O ₂ for sulfamethoxazole degradation over Se doped g-C ₃ N ₄ due to induced exfoliation and N vacancies formation. <i>Separation and Purification Technology</i> , 2021, 267, 118664.	3.9	24
52	Tin oxide nanoparticle-modified commercial PtRu catalyst for methanol oxidation. <i>Micro and Nano Letters</i> , 2013, 8, 23-26.	0.6	23
53	A ratiometric fluorescence nanosensor for highly selective and sensitive detection of selenite. <i>Analyst</i> , 2016, 141, 4685-4693.	1.7	23
54	A promising method for diabetes early diagnosis via sensitive detection of urine glucose by Fe Pd/rGO. <i>Dyes and Pigments</i> , 2019, 164, 20-26.	2.0	23

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55	DNA-binding, antioxidant activity and solid-state fluorescence studies of copper(II), zinc(II) and nickel(II) complexes with a Schiff base derived from 2-oxo-quinoline-3-carbaldehyde. <i>Transition Metal Chemistry</i> , 2011, 36, 489-498.	0.7	21
56	Hierarchical BiOCl microspheres with narrow band gap as visible light active photocatalysts. <i>Inorganica Chimica Acta</i> , 2016, 439, 123-129.	1.2	21
57	Synthesis, Characterization, Antioxidative Activity and DNA Binding Properties of the Copper(II), Zinc(II), Nickel(II) Complexes with 1,2-Di(4'-iminonaringenin)ethane. <i>Chemical and Pharmaceutical Bulletin</i> , 2008, 56, 1528-1534.	0.6	20
58	More reactive oxygen species generation facilitated by highly dispersed bimodal gold nanoparticle on the surface of Bi ₂ WO ₆ for enhanced photocatalytic degradation of ofloxacin in water. <i>Chemosphere</i> , 2021, 269, 128717.	4.2	19
59	Controllable synthesis of palladium nanoparticles and their catalytic abilities in Heck and Suzuki reactions. <i>Inorganica Chimica Acta</i> , 2014, 414, 59-62.	1.2	18
60	Sensitive determination of hardness and fluoride in ground water by a hybrid nanosensor based on aggregation induced FRET on and off mechanism. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 522-530.	4.0	18
61	Synthesis, Characterization, DNA Binding Properties and Antioxidant Activity of Ln(III) Complexes with Schiff Base Ligand Derived from 3-Carbaldehyde Chromone and Aminophenazone. <i>Journal of Fluorescence</i> , 2011, 21, 1091-1102.	1.3	17
62	Synthesis and crystal structure of a Schiff base derived from two similar pyrazolone rings and its rare earth complexes: DNA-binding and antioxidant activity. <i>Journal of Coordination Chemistry</i> , 2012, 65, 3805-3820.	0.8	17
63	8-hydroxyquinoline-5-carbaldehyde-(benzotriazol-1-yl-acetyl)hydrazone as a potential Mg ²⁺ fluorescent chemosensor. <i>Journal of Coordination Chemistry</i> , 2013, 66, 300-305.	0.8	17
64	Mo@Pt core-shell nanoparticles as an efficient electrocatalyst for oxygen reduction reaction. <i>Journal of Electroanalytical Chemistry</i> , 2015, 757, 94-99.	1.9	17
65	Anionic ligands driven efficient ofloxacin degradation over LaMnO ₃ suspended particles in water due to the enhanced peroxymonosulfate activation. <i>Chemical Engineering Journal</i> , 2022, 427, 130998.	6.6	17
66	A highly sensitive and selective Schiff base fluorescent chemodosimeter for aluminum(III). <i>Journal of Coordination Chemistry</i> , 2013, 66, 1847-1853.	0.8	16
67	Fe ₃ O ₄ @S-doped ZnO: A magnetic, recoverable, and reusable Fenton-like catalyst for efficient degradation of ofloxacin under alkaline conditions. <i>Environmental Research</i> , 2020, 186, 109626.	3.7	16
68	Carbon dots-MnO ₂ nanocomposites for As detection in groundwater with high sensitivity and selectivity. <i>Analytical Methods</i> , 2020, 12, 5572-5580.	1.3	15
69	An effective multi-wavelength emissive aluminum ion fluorescence chemosensor based on 3-[1-((2-hydroxy-1-methylbenzylidene-imino))-2-(p-N,N-dimethylaminophenyl)-1,2-dihydroquinazolin-4(3H)-one]. <i>Inorganica Chimica Acta</i> , 2013, 395, 77-80.		14
70	Potassium cation induced controllable synthesis of CAN zeolite hollow microspheres. <i>Microporous and Mesoporous Materials</i> , 2016, 225, 365-370.	2.2	14
71	Insight into bicarbonate involved efficient heterogeneous Fenton-like degradation of sulfamethoxazole over a CuFeO ₂ based composite under alkaline conditions. <i>Environmental Science: Nano</i> , 0, , .	2.2	14
72	An AIE dye based smartphone and LDA integrated portable, intelligent and rapid detection system as trace water indicator and cyanide detector. <i>Dyes and Pigments</i> , 2019, 166, 1-7.	2.0	13

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73	Sulfur quantum dot-based portable paper sensors for fluorometric and colorimetric dual-channel detection of cobalt. <i>Journal of Materials Science</i> , 2021, 56, 4782-4796.	1.7	13
74	Highly selective and sensitive fluorescent nanosensor for zinc ions. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 1504-1507.	4.0	11
75	Synthesis, Characterization, Crystal Structure, and Biological Activities of Transition Metal Complexes with 1-phenyl-3-methyl-5-hydroxypyrazole-4-methylene-8-quinolineimine. <i>Zeitschrift für Anorganische Und Allgemeine Chemie</i> , 2013, 639, 832-841.		11
76	Sensitive and selective ratiometric nanosensors for visual detection of Cu ²⁺ based on ions promoted oxidation reaction. <i>Sensors and Actuators B: Chemical</i> , 2017, 247, 139-145.	4.0	11
77	A carbon-dot-based dual-emission probe for ultrasensitive visual detection of copper ions. <i>New Journal of Chemistry</i> , 2018, 42, 19771-19778.	1.4	11
78	Improved methanol oxidation on a PtRu/RuO ₂ /C composite catalyst with close contact. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2013, 108, 433-441.	0.8	10
79	An Innovative Approach to Separate Iron Oxide Concentrate from High-sulfur and Low-grade Pyrite Cinders. <i>Journal of Iron and Steel Research International</i> , 2016, 23, 756-764.	1.4	10
80	Silica-embedded CdTe quantum dots functionalized with rhodamine derivative for instant visual detection of ferric ions in aqueous media. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 372, 140-146.	2.0	10
81	Film-based fluorescent sensor for visual monitoring and efficient removal of aniline in solutions and gas phase. <i>Journal of Hazardous Materials</i> , 2022, 435, 129016.	6.5	10
82	A Crowd Simulation Based UAV Control Architecture for Industrial Disaster Evacuation. , 2016, , .		9
83	Construction of salicylaldehyde analogues as turn-on fluorescence probes and their electronic effect on sensitive and selective detection of As(^v) in groundwater. <i>Analytical Methods</i> , 2019, 11, 955-964.	1.3	9
84	Interaction of a Schiff-base fluorescent sensor with Al ³⁺ : experimental and computational studies. <i>Journal of Coordination Chemistry</i> , 2014, 67, 737-744.	0.8	8
85	Portable smartphone-integrated paper sensors for fluorescence detection of As(III) in groundwater. <i>Royal Society Open Science</i> , 2020, 7, 201500.	1.1	8
86	Effects of Lewis acid-base site and oxygen vacancy in MgAl minerals on peroxymonosulfate activation towards sulfamethoxazole degradation via radical and non-radical mechanism. <i>Separation and Purification Technology</i> , 2022, 286, 120437.	3.9	7
87	One-Pot Synthesis of Monodisperse Palladium Tin Nanoparticles with Controlled Composition and Size and Its Catalytic Ability Study. <i>Catalysis Letters</i> , 2015, 145, 1837-1844.	1.4	6
88	A Highly Selective Turn-On Fluorescent Chemosensor for Zinc Ion in Aqueous Media. <i>Journal of Fluorescence</i> , 2013, 23, 1239-1245.	1.3	5
89	Lanthanide Complexes of 1-phenyl-3-methyl-5-hydroxypyrazole-4-carbaldehyde-(4-hydroxybenzoyl) Hydrazone: Crystal Structure and Interaction Studies With Biomacromolecules. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2013, 43, 483-494.	0.6	5
90	Gd-complex labeled magnetite nanoparticles as fluorescent and targeted magnetic resonance imaging contrast agent. <i>Materials Letters</i> , 2013, 98, 34-37.	1.3	5

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91	Novel AlEgens with a 3,5-dibromobenzaldehyde skeleton: molecular design, synthesis, tunable emission and detection application. <i>Analytical Methods</i> , 2018, 10, 5486-5492.	1.3	4
92	Synthesis, characterisation, <i>in vitro</i> DNA binding properties and antioxidant activities of Ln(III) complexes with chromone-3-carbaldehyde-(2-hydroxy) benzoyl hydrazone. <i>Progress in Reaction Kinetics and Mechanism</i> , 2015, 40, 313-329.	1.1	2
93	Controlled synthesis of truncated octahedral bismuth micron particles with giant positive magnetoresistance. <i>CrystEngComm</i> , 2015, 17, 7056-7062.	1.3	2
94	Composition Control Synthesis and Catalytic Properties in the Suzuki Reaction of Bimetallic PdSn Nanoparticles. <i>International Journal of Chemical Kinetics</i> , 2016, 48, 3-10.	1.0	2
95	Graphene oxide based ratiometric fluorescent paper sensor for hypochlorous acid visual detection. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 375, 141-147.	2.0	2
96	Synthesis, Characterization, DNA Binding Properties, and Antioxidant Activity of Novel Copper(II) and Zinc(II) Complexes with Bis(pyrrol-2-yl-methylamine) Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 637, n/a-n/a.	0.6	1
97	Reinjection flow field-flow fractionation method for nanoparticle quantitative analysis in unknown and complex samples. <i>Journal of Chromatography A</i> , 2021, 1638, 461897.	1.8	1