Yan Li

List of Publications by Year
in descending order

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68 papers	4,628 citations	101543 36 h-index	102487 66 g-index
68 all docs	68 docs citations	68 times ranked	5791 citing authors

#	Article	IF	Citations
1	High-Efficiency â€œGreenâ€•Quantum Dot Solar Cells. Journal of the American Chemical Society, 2014, 136, 9203-9210.	13.7	547
2	A Direct White-Light-Emitting Metalâ˜'Organic Framework with Tunable Yellow-to-White Photoluminescence by Variation of Excitation Light. Journal of the American Chemical Society, 2009, 131, 13572-13573.	13.7	454
3	Photocatalytic degradation of organic pollutants coupled with simultaneous photocatalytic H2 evolution over graphene quantum dots/Mn-N-TiO2/g-C3N4 composite catalysts: Performance and mechanism. Applied Catalysis B: Environmental, 2018, 227, 312-321.	20.2	246
4	Crystal Structures and Magnetic and Luminescent Properties of a Series of Homodinuclear Lanthanide Complexes with 4-Cyanobenzoic Ligand. Inorganic Chemistry, 2006, 45, 6308-6316.	4.0	209
5	Amorphous TiO₂ Buffer Layer Boosts Efficiency of Quantum Dot Sensitized Solar Cells to over 9%. Chemistry of Materials, 2015, 27, 8398-8405.	6.7	197
6	Nitrogen-Doped Mesoporous Carbons as Counter Electrodes in Quantum Dot Sensitized Solar Cells with a Conversion Efficiency Exceeding 12%. Journal of Physical Chemistry Letters, 2017, 8, 559-564.	4.6	193
7	Cosensitized Quantum Dot Solar Cells with Conversion Efficiency over 12%. Advanced Materials, 2018, 30, 1705746.	21.0	148
8	CdSeTe/CdS Type-I Core/Shell Quantum Dot Sensitized Solar Cells with Efficiency over 9%. Journal of Physical Chemistry C, 2015, 119, 28800-28808.	3.1	131
9	Mn doped quantum dot sensitized solar cells with power conversion efficiency exceeding 9%. Journal of Materials Chemistry A, 2016, 4, 877-886.	10.3	122
10	A Novel Metalâ˜'Organic Network with High Thermal Stability: Nonlinear Optical and Photoluminescent Properties. Inorganic Chemistry, 2008, 47, 7945-7947.	4.0	112
11	Anti-aggregation of gold nanoparticle-based colorimetric sensor for glutathione with excellent selectivity and sensitivity. Analyst, The, 2011, 136, 196-200.	3.5	109
12	Adenosine capped QDs based fluorescent sensor for detection of dopamine with high selectivity and sensitivity. Analyst, The, 2014, 139, 93-98.	3.5	108
13	Size-controlled synthesis of CdS nanoparticles confined on covalent triazine-based frameworks for durable photocatalytic hydrogen evolution under visible light. Nanoscale, 2018, 10, 19509-19516.	5.6	108
14	Hg²⁺-mediated aggregation of gold nanoparticles for colorimetric screening of biothiols. Analyst, The, 2012, 137, 924-931.	3.5	101
15	Surface engineering of PbS quantum dot sensitized solar cells with a conversion efficiency exceeding 7%. Journal of Materials Chemistry A, 2016, 4, 7214-7221.	10.3	101
16	Facile Synthesis of Highly Luminescent UV-Blue-Emitting ZnSe/ZnS Core/Shell Nanocrystals in Aqueous Media. Journal of Physical Chemistry C, 2009, 113, 14145-14150.	3.1	99
17	Highly luminescent and stable CsPbBr3 perovskite quantum dots modified by phosphine ligands. Nano Research, 2019, 12, 785-789.	10.4	99
18	A ferroelectric inorganicâ€“organic hybrid based on NLO-phore stilbazolium. Journal of Materials Chemistry, 2009, 19, 2179.	6.7	95

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19	Bifunctional Multidentate Ligand Modified Highly Stable Water-Soluble Quantum Dots. Inorganic Chemistry, 2010, 49, 3768-3775.	4.0	95
20	Facile Synthesis of Highly Luminescent Mn-Doped ZnS Nanocrystals. Inorganic Chemistry, 2011, 50, 10432-10438.	4.0	89
21	Highly selective and sensitive visualizable detection of Hg2+ based on anti-aggregation of gold nanoparticles. Talanta, 2011, 84, 508-512.	5.5	81
22	Different Molecular Frameworks of Zinc(II) and Cadmium(II) Coordination Polymers Constructed by Flexible Double Betaine Ligands. Crystal Growth and Design, 2006, 6, 444-450.	3.0	72
23	Facile Secondary Deposition for Improving Quantum Dot Loading in Fabricating Quantum Dot Solar Cells. Journal of the American Chemical Society, 2019, 141, 4300-4307.	13.7	66
24	Highly efficient and stable quasi-solid-state quantum dot-sensitized solar cells based on a superabsorbent polyelectrolyte. Journal of Materials Chemistry A, 2016, 4, 1461-1468.	10.3	60
25	Hydrothermal syntheses, crystal structures and luminescent properties of zinc(II) coordination polymers constructed by bifunctional tetrazolate-5-carboxylate ligands. CrystEngComm, 2010, 12, 260-269.	2.6	57
26	Unprecedented (3,10)-Connected 2-D Metalâ^'Organic Framework Constructed from Octanuclear Cobalt(II) Clusters and a New Bifunctional Ligand. Inorganic Chemistry, 2007, 46, 6852-6854.	4.0	56
27	Highly bright water-soluble silica coated quantum dots with excellent stability. Journal of Materials Chemistry B, 2014, 2, 5043-5051.	5.8	55
28	A 3D-diamond-like tetrazole-based Zn(II) coordination polymer: Crystal structure, nonlinear optical effect and luminescent property. Inorganic Chemistry Communication, 2008, 11, 969-971.	3.9	54
29	Performance enhancement of quantum dot sensitized solar cells by adding electrolyte additives. Journal of Materials Chemistry A, 2015, 3, 17091-17097.	10.3	49
30	Tetrazoleâ€“Viologen-based Flexible Microporous Metalâ€“Organic Framework with High CO₂ Selective Uptake. Inorganic Chemistry, 2016, 55, 7335-7340.	4.0	48
31	Quantum dots-based ratiometric fluorescence probe for mercuric ions in biological fluids. Talanta, 2014, 119, 564-571.	5.5	47
32	Synthesis of Gold Nanoparticles on Rice Husk Silica for Catalysis Applications. Industrial & Engineering Chemistry Research, 2015, 54, 5656-5663.	3.7	47
33	Quasi-solid-state quantum dot sensitized solar cells with power conversion efficiency over 9% and high stability. Journal of Materials Chemistry A, 2016, 4, 14849-14856.	10.3	47
34	A general strategy via chemically covalent combination for constructing heterostructured catalysts with enhanced photocatalytic hydrogen evolution. Chemical Communications, 2019, 55, 4150-4153.	4.1	45
35	Metalâ€“organic framework derived Co,N-bidoped carbons as superior electrode catalysts for quantum dot sensitized solar cells. Journal of Materials Chemistry A, 2018, 6, 2129-2138.	10.3	41
36	Hydrothermal syntheses, crystal structures and magnetic properties of four Mn(ii) and Co(ii) coordination polymers generated from new carboxylate-introduced 1,2,3-triazole ligands. CrystEngComm, 2011, 13, 3868.	2.6	37

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37	Hydrothermal syntheses, structures and luminescent properties of group IIB metal coordination polymers based on bifunctional 1H-tetrazolate-5-acetic acid ligand. Inorganic Chemistry Communication, 2010, 13, 250-253.	3.9	36
38	A quantum dot-based â€œoffâ€“onâ€•fluorescent probe for biological detection of zinc ions. Analyst, The, 2013, 138, 2181.	3.5	34
39	Preparation of Bismuth Oxide Quantum Dots and their Photocatalytic Activity in a Homogeneous System. ChemCatChem, 2010, 2, 1115-1121.	3.7	31
40	Heat-resistant Pb(<scp>ii</scp>)-based X-ray scintillating metalâ€“organic frameworks for sensitive dosage detection via an aggregation-induced luminescent chromophore. Dalton Transactions, 2020, 49, 7309-7314.	3.3	30
41	Synthesis, Crystal and Band Structures, and Properties of a New Mixed Three-Dimensional Framework Metal Pnictidehalide Semiconductor, (Hg6Sb4)(CdI6). Inorganic Chemistry, 2007, 46, 7321-7325.	4.0	19
42	The Synthesis, Crystal and Band Structures, and Properties of the Quaternary Supramolecular Complexes [Hg6Z4](MX6)Hgy (Z = As, Sb; M = Hg, Cd; X = Cl, Br, I;y = 0, 0.5, 0.6). European Journal of Inorganic Chemistry, 2007, 2007, 977-984.	2.0	16
43	Two Cu(II) double betaine coordination polymers with different metal-organic frameworks. Journal of Molecular Structure, 2007, 837, 231-236.	3.6	16
44	A novel metalâ€“organic framework with bifunctional tetrazolate-5-carboxylate ligand: Crystal structure and luminescent properties. Inorganic Chemistry Communication, 2011, 14, 407-410.	3.9	16
45	Cu_xS nanoparticle@carbon nanorod composites prepared from metalâ€“organic frameworks as efficient electrode catalysts for quantum dot sensitized solar cells. Journal of Materials Chemistry A, 2019, 7, 2210-2218.	10.3	15
46	Two novel anion-directed Cu(II) double betaine coordination polymers with different open frameworks: Inorganic chains [Cu3(Î¼3â€“OH)2(Î¼2â€“H2O)2]n as secondary building units with unusual chair-like [Cu3O4] cores. Inorganic Chemistry Communication, 2007, 10, 1026-1030.	3.9	14
47	Stable water-soluble quantum dots capped by poly(ethylene glycol) modified dithiocarbamate. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 410, 144-152.	4.7	14
48	Titanium mesh based fully flexible highly efficient quantum dots sensitized solar cells. Journal of Materials Chemistry A, 2017, 5, 5577-5584.	10.3	13
49	N-doped carbon@Cu nanocomposites as counter electrode catalysts in quantum dot-sensitized solar cells. Solar Energy, 2018, 169, 505-511.	6.1	13
50	Copper(II), nickel(II) and cobalt(II) complexes of 4-cyanobenzonic acid: syntheses, crystal structures and spectral properties. Journal of Molecular Structure, 2005, 740, 147-151.	3.6	12
51	A unique 3-D 3dâ€“4f heterometallic coordination polymer with double betaine ligand: Crystal structure and magnetic properties. Inorganic Chemistry Communication, 2007, 10, 787-791.	3.9	12
52	Silica coating of luminescent quantum dots prepared in aqueous media for cellular labeling. Materials Research Bulletin, 2014, 60, 543-551.	5.2	12
53	[SmNi(pic)3(H2O)5]n(ClO4)2nÂ·3nH2O, the first Smâ€“Ni heterometallic complex of picolinic acid ligand showing novel basket weave topology: Synthesis, structure and magnetics. Inorganic Chemistry Communication, 2005, 8, 1078-1081.	3.9	11
54	Synthesis, crystal structures and magnetic properties of three new 4-cyanobenzoate complexes. Journal of Molecular Structure, 2007, 842, 38-45.	3.6	11

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55	Tetrazole-viologen based metal complex: Photochromism and reversible fluorescence modulation. Inorganic Chemistry Communication, 2016, 68, 56-59.	3.9	11
56	One-step synthesis of MOF-derived Cu@N-doped carbon composites as counter electrode catalysts for quantum dot-sensitized solar cells. Electrochimica Acta, 2021, 380, 138228.	5.2	9
57	Sodium carboxymethyl starch-based highly conductive gel electrolyte for quasi-solid-state quantum dot-sensitized solar cells. Research on Chemical Intermediates, 2018, 44, 1161-1172.	2.7	9
58	Al/Zn co-incorporated Cuâ€“Inâ€“Se quantum dots for high efficiency quantum dot sensitized solar cells. New Journal of Chemistry, 2020, 44, 4304-4310.	2.8	8
59	Surface Engineering Boosting Al/Zn-Coincorporated Cuâ€“Inâ€“Se Quantum Dot-Sensitized Solar Cell Efficiency. ACS Applied Energy Materials, 2021, 4, 5767-5774.	5.1	8
60	Effective surface passivation on CsPbBr3 nanocrystals via post-treatment with aromatic carboxylic acid. Dyes and Pigments, 2022, 198, 109806.	3.7	8
61	Visual detection of biological thiols based on lightening quantum dotâ€“TiO2 composites. Analyst, The, 2014, 139, 996.	3.5	7
62	Syntheses, crystal structures and magnetic properties of two new 3-cyanobenzate coordination complexes. Inorganic Chemistry Communication, 2005, 8, 708-712.	3.9	5
63	A new approach to Hg1â^'XCdxTe: Syntheses, crystal and band structures, and optical properties. Solid State Sciences, 2008, 10, 69-73.	3.2	4
64	Efficient quantum dot sensitized solar cells via improved loading amount management. Green Energy and Environment, 2023, 8, 213-223.	8.7	4
65	Dimethyl 5-(4-phenyl-1H-1,2,3-triazol-1-yl)benzene-1,3-dicarboxylate. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o3591-o3593.	0.2	2
66	4-(1H-Tetrazol-5-yl)benzoic acid monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1368-o1368.	0.2	2
67	Facile synthesis of high-quality CdTe/CdS core/shell quantum dots in aqueous phase by using dual capping ligands. RSC Advances, 0, , .	3.6	1
68	Controllable growth of silver-seeded PbS nanostructures. Journal of Materials Science, 2011, 46, 670-674.	3.7	0