

# Hongjie Song

## List of Publications by Year in descending order

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60  
papers

2,527  
citations

218677

26  
h-index

197818

49  
g-index

60  
all docs

60  
docs citations

60  
times ranked

3360  
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene sheets decorated with SnO <sub>2</sub> nanoparticles: in situ synthesis and highly efficient materials for cataluminescence gas sensors. <i>Journal of Materials Chemistry</i> , 2011, 21, 5972.	6.7	290
2	SiO <sub>2</sub> /graphene composite for highly selective adsorption of Pb(II) ion. <i>Journal of Colloid and Interface Science</i> , 2012, 369, 381-387.	9.4	231
3	Turn-on Persistent Luminescence Probe Based on Graphitic Carbon Nitride for Imaging Detection of Biothiols in Biological Fluids. <i>Analytical Chemistry</i> , 2013, 85, 11876-11884.	6.5	197
4	Well-redispersed ceria nanoparticles: Promising peroxidase mimetics for H <sub>2</sub> O <sub>2</sub> and glucose detection. <i>Analytical Methods</i> , 2012, 4, 3261.	2.7	194
5	Metal-organic frameworks (MOFs) combined with ZnO quantum dots as a fluorescent sensing platform for phosphate. <i>Sensors and Actuators B: Chemical</i> , 2014, 197, 50-57.	7.8	98
6	A cataluminescence gas sensor for triethylamine based on nanosized LaF <sub>3</sub> -CeO <sub>2</sub> . <i>Sensors and Actuators B: Chemical</i> , 2012, 169, 261-266.	7.8	93
7	Fabrication of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> composites for cataluminescence sensing of H <sub>2</sub> S. <i>Sensors and Actuators B: Chemical</i> , 2015, 211, 370-376.	7.8	89
8	A metal (Co)-organic framework-based chemiluminescence system for selective detection of L-cysteine. <i>Analyst</i> , 2015, 140, 2656-2663.	3.5	79
9	Recent advances in chemiluminescence for reactive oxygen species sensing and imaging analysis. <i>Microchemical Journal</i> , 2019, 146, 83-97.	4.5	64
10	Quantum dots-based chemiluminescence probes: an overview. <i>Luminescence</i> , 2019, 34, 530-543.	2.9	62
11	Strategies in liquid-phase chemiluminescence and their applications in bioassay. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 82, 394-411.	11.4	58
12	Chemiluminescence of Oleic Acid Capped Black Phosphorus Quantum Dots for Highly Selective Detection of Sulfite in PM <sub>2.5</sub> . <i>Analytical Chemistry</i> , 2019, 91, 9174-9180.	6.5	58
13	Advances in nanomaterial-assisted cataluminescence and its sensing applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 67, 107-127.	11.4	53
14	Novel metal-organic frameworks-based hydrogen sulfide cataluminescence sensors. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 614-621.	7.8	53
15	A Y-doped metal-organic framework-based cataluminescence gas sensor for isobutanol. <i>Sensors and Actuators B: Chemical</i> , 2014, 201, 413-419.	7.8	43
16	Stable and Water-Dispersible Graphene Nanosheets: Sustainable Preparation, Functionalization, and High-Performance Adsorbents for Pb <sup>2+</sup> . <i>ChemPlusChem</i> , 2012, 77, 379-386.	2.8	42
17	Highly sensitive cataluminescence gas sensors for 2-butanone based on g-C <sub>3</sub> N <sub>4</sub> sheets decorated with CuO nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8831-8841.	3.7	38
18	The morphological evolution of hydroxyapatite on high-efficiency Pb <sup>2+</sup> removal and antibacterial activity. <i>Microchemical Journal</i> , 2017, 135, 16-25.	4.5	36

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19	Hierarchical hollow microsphere and flower-like indium oxide: Controllable synthesis and application as H <sub>2</sub> S cataluminescence sensing materials. <i>Materials Research Bulletin</i> , 2012, 47, 2212-2218.	5.2	35
20	Cataluminescence Coupled with Photoassisted Technology: A Highly Efficient Metal-Free Gas Sensor for Carbon Monoxide. <i>Analytical Chemistry</i> , 2019, 91, 13158-13164.	6.5	35
21	UV-Assisted Cataluminescent Sensor for Carbon Monoxide Based on Oxygen-Functionalized g-C <sub>3</sub> N <sub>4</sub> Nanomaterials. <i>Analytical Chemistry</i> , 2018, 90, 9598-9605.	6.5	31
22	Ratiometric Cataluminescence for Rapid Recognition of Volatile Organic Compounds Based on Energy Transfer Process. <i>Analytical Chemistry</i> , 2019, 91, 4860-4867.	6.5	31
23	Enhanced peroxidase-like activity of Mo-doped ceria nanoparticles for sensitive colorimetric detection of glucose. <i>Analytical Methods</i> , 2018, 10, 76-83.	2.7	30
24	Engineering Ratiometric Persistent Luminous Sensor Arrays for Biothiols Identification. <i>Analytical Chemistry</i> , 2020, 92, 6645-6653.	6.5	30
25	Metal-Tagged CRISPR/Cas12a Bioassay Enables Ultrasensitive and Highly Selective Evaluation of Kanamycin Bioaccumulation in Fish Samples. <i>Analytical Chemistry</i> , 2021, 93, 14214-14222.	6.5	30
26	Hierarchical SnO <sub>2</sub> architectures: controllable growth on graphene by atmospheric pressure chemical vapour deposition and application in cataluminescence gas sensor. <i>CrystEngComm</i> , 2014, 16, 3331.	2.6	27
27	A cubic luminescent graphene oxide functionalized Zn-based metal-organic framework composite for fast and highly selective detection of Cu <sup>2+</sup> ions in aqueous solution. <i>Analyst</i> , 2014, 139, 764-770.	3.5	26
28	Ratiometric Cataluminescence Sensor of Amine Vapors for Discriminating Meat Spoilage. <i>Analytical Chemistry</i> , 2021, 93, 6692-6697.	6.5	26
29	Efficient generation of sulfate radicals in Fe(II)/S(IV) system induced by WS <sub>2</sub> nanosheets and examined by its intrinsic chemiluminescence. <i>Chemical Communications</i> , 2020, 56, 6993-6996.	4.1	26
30	A highly selective and fast-response photoluminescence humidity sensor based on F <sup>+</sup> decorated NH <sub>2</sub> -MIL-53(Al) nanorods. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9465-9471.	5.5	25
31	Controllable deposition of ZnO-doped SnO <sub>2</sub> nanowires on Au/graphene and their application in cataluminescence sensing for alcohols and ketones. <i>Sensors and Actuators B: Chemical</i> , 2014, 203, 726-735.	7.8	24
32	K <sup>+</sup> Ion-Doped Mixed Carbon Nitride: A Daylight-Driven Photocatalyst and Luminophore for Enhanced Chemiluminescence. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 5478-5486.	8.0	23
33	Triazine-based graphitic carbon nitride: controllable synthesis and enhanced cataluminescent sensing for formic acid. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 7499-7509.	3.7	21
34	Multifunctional Reduced Graphene Oxide-Based Nanoplatform for Synergistic Targeted Chemo-Photothermal Therapy. <i>ACS Applied Bio Materials</i> , 2020, 3, 5213-5222.	4.6	20
35	Enhanced cataluminescence sensing characteristics of ethanol on hierarchical spheres ZnO. <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 93-99.	7.8	19
36	Accelerated reducing synthesis of Ag@CDs composite and simultaneous determination of glucose during the synthetic process. <i>RSC Advances</i> , 2014, 4, 3992-3997.	3.6	19

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37	Recent Advances in Graphitic Carbon Nitride-Based Chemiluminescence, Cataluminescence and Electrochemiluminescence. <i>Journal of Analysis and Testing</i> , 2017, 1, 274-290.	5.1	18
38	Porous boron nitride: A novel metal-free cataluminescence material for high performance H <sub>2</sub> S sensing. <i>Sensors and Actuators B: Chemical</i> , 2021, 332, 129512.	7.8	18
39	New advanced oxidation progress with chemiluminescence behavior based on NaClO triggered by WS <sub>2</sub> nanosheets. <i>Journal of Hazardous Materials</i> , 2022, 429, 128329.	12.4	18
40	Cataluminescence gas sensor for ketones based on nanosized NaYF <sub>4</sub> :Er. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 300-306.	7.8	17
41	Hierarchical spheres In <sub>2</sub> S <sub>3</sub> -based cataluminescence sensor for ammonium sulfide. <i>Microchemical Journal</i> , 2018, 138, 116-121.	4.5	16
42	Ratiometric two-photon fluorescent probe for detection of hypochlorite in living cells. <i>Talanta</i> , 2020, 217, 121099.	5.5	15
43	Photocatalysis enhanced cataluminescence gas sensor for carbon monoxide based on perylenetetracarboxylic diimide. <i>Sensors and Actuators B: Chemical</i> , 2020, 315, 128080.	7.8	15
44	Fabrication of fluorescent nitrogen-rich graphene quantum dots by tin(IV) catalytic carbonization of ethanolamine. <i>RSC Advances</i> , 2015, 5, 60085-60089.	3.6	14
45	Multiplex DNA Walking Machines for Lung Cancer-Associated miRNAs. <i>Analytical Chemistry</i> , 2022, 94, 1787-1794.	6.5	13
46	Recent advances in black phosphorus-based optical sensors. <i>Applied Spectroscopy Reviews</i> , 2019, 54, 275-284.	6.7	12
47	Transient Chemiluminescence Assay for Real-Time Monitoring of the Processes of SO <sub>3</sub> <sup>2-</sup> -Based Advanced Oxidation Reactions. <i>Environmental Science &amp; Technology</i> , 2022, 56, 3170-3180.	10.0	12
48	Ozone-induced ratiometric cataluminescence for aromatic compounds discrimination based on Eu,Tb co-doped MgO. <i>Sensors and Actuators B: Chemical</i> , 2021, 327, 128939.	7.8	11
49	Cataluminescence sensing of carbon disulfide based on CeO <sub>2</sub> hierarchical hollow microspheres. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5113-5122.	3.7	10
50	Synergistic chemiluminescence nanoprobe: Au clusters-Cu <sup>2+</sup> -induced chemiexcitation of cyclic peroxides and resonance energy transfer. <i>Chemical Communications</i> , 2020, 56, 3151-3154.	4.1	10
51	A novel Ce(IV)-MOF-based cataluminescence sensor for detection of hydrogen sulfide. <i>Sensors and Actuators B: Chemical</i> , 2022, 362, 131746.	7.8	10
52	Efficient Photoinduced Thermocatalytic Chemiluminescence System Based on the Z-Scheme Heterojunction Ag <sub>3</sub> PO <sub>4</sub> /Ag/Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> for H <sub>2</sub> S Sensing. <i>Analytical Chemistry</i> , 2022, 94, 9415-9423.	6.5	10
53	ZnO Nanoparticle-Decorated CeO <sub>2</sub> Nanospheres for Cataluminescence Sensing of H <sub>2</sub> S. <i>ACS Applied Nano Materials</i> , 2021, 4, 9557-9565.	5.0	9
54	Lanthanide Nanoprobes for the Multiplex Evaluation of Breast Cancer Biomarkers. <i>Analytical Chemistry</i> , 2021, 93, 13719-13726.	6.5	9

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55	Co <sub>3</sub> O <sub>4</sub> modified polymeric carbon nitride for external light-free chlorine activating degradation of organic pollutants. <i>Journal of Hazardous Materials</i> , 2022, 429, 128193.	12.4	9
56	Flower-like Gold Nanoparticles for In Situ Tailoring Luminescent Molecules for Synergistic Enhanced Chemiluminescence. <i>Analytical Chemistry</i> , 2022, 94, 8947-8957.	6.5	9
57	Evaluating the Band Gaps of Semiconductors by Cataluminescence. <i>Analytical Chemistry</i> , 2021, 93, 14454-14461.	6.5	6
58	A novel method to synthesize luminescent silicon carbide nanoparticles based on dielectric barrier discharge plasma. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16949-16956.	5.5	5
59	Ozone-Activated Cataluminescence Sensor System for Dichloroalkanes Based on Silica Nanospheres. <i>ACS Sensors</i> , 2021, 6, 2893-2901.	7.8	4
60	Modified triazine-based carbon nitride as a high efficiency fluorescence sensor for the label-free detection of Ag <sup>+</sup> . <i>Journal of Materials Research</i> , 2020, 35, 3235-3246.	2.6	1