

Hongjie Song

List of Publications by Year in descending order

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60
papers

2,527
citations

218592

26
h-index

197736

49
g-index

60
all docs

60
docs citations

60
times ranked

3360
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiplex DNA Walking Machines for Lung Cancer-Associated miRNAs. <i>Analytical Chemistry</i> , 2022, 94, 1787-1794.	3.2	13
2	K ⁺ Ion-Doped Mixed Carbon Nitride: A Daylight-Driven Photocatalyst and Luminophore for Enhanced Chemiluminescence. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 5478-5486.	4.0	23
3	Co ₃ O ₄ modified polymeric carbon nitride for external light-free chlorine activating degradation of organic pollutants. <i>Journal of Hazardous Materials</i> , 2022, 429, 128193.	6.5	9
4	New advanced oxidation progress with chemiluminescence behavior based on NaClO triggered by WS ₂ nanosheets. <i>Journal of Hazardous Materials</i> , 2022, 429, 128329.	6.5	18
5	Transient Chemiluminescence Assay for Real-Time Monitoring of the Processes of SO ₃ ²⁻ -Based Advanced Oxidation Reactions. <i>Environmental Science & Technology</i> , 2022, 56, 3170-3180.	4.6	12
6	A novel Ce(IV)-MOF-based cataluminescence sensor for detection of hydrogen sulfide. <i>Sensors and Actuators B: Chemical</i> , 2022, 362, 131746.	4.0	10
7	Efficient Photoinduced Thermocatalytic Chemiluminescence System Based on the Z-Scheme Heterojunction Ag ₃ PO ₄ /Ag/Bi ₄ Ti ₃ O ₁₂ for H ₂ S Sensing. <i>Analytical Chemistry</i> , 2022, 94, 9415-9423.	3.2	10
8	Flower-like Gold Nanoparticles for In Situ Tailoring Luminescent Molecules for Synergistic Enhanced Chemiluminescence. <i>Analytical Chemistry</i> , 2022, 94, 8947-8957.	3.2	9
9	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.	4.0	11
10	Ratiometric Cataluminescence Sensor of Amine Vapors for Discriminating Meat Spoilage. <i>Analytical Chemistry</i> , 2021, 93, 6692-6697.	3.2	26
11	Porous boron nitride: A novel metal-free cataluminescence material for high performance H ₂ S sensing. <i>Sensors and Actuators B: Chemical</i> , 2021, 332, 129512.	4.0	18
12	Ozone-Activated Cataluminescence Sensor System for Dichloroalkanes Based on Silica Nanospheres. <i>ACS Sensors</i> , 2021, 6, 2893-2901.	4.0	4
13	ZnO Nanoparticle-Decorated CeO ₂ Nanospheres for Cataluminescence Sensing of H ₂ S. <i>ACS Applied Nano Materials</i> , 2021, 4, 9557-9565.	2.4	9
14	Lanthanide Nanoprobes for the Multiplex Evaluation of Breast Cancer Biomarkers. <i>Analytical Chemistry</i> , 2021, 93, 13719-13726.	3.2	9
15	Evaluating the Band Gaps of Semiconductors by Cataluminescence. <i>Analytical Chemistry</i> , 2021, 93, 14454-14461.	3.2	6
16	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.	3.2	30
17	Multifunctional Reduced Graphene Oxide-Based Nanoplatfrom for Synergistic Targeted Chemo-Photothermal Therapy. <i>ACS Applied Bio Materials</i> , 2020, 3, 5213-5222.	2.3	20
18	Modified triazine-based carbon nitride as a high efficiency fluorescence sensor for the label-free detection of Ag ⁺ . <i>Journal of Materials Research</i> , 2020, 35, 3235-3246.	1.2	1

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19	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.	2.7	5
20	Ratiometric two-photon fluorescent probe for detection of hypochlorite in living cells. <i>Talanta</i> , 2020, 217, 121099.	2.9	15
21	Photocatalysis enhanced cataluminescence gas sensor for carbon monoxide based on perylenetetracarboxylic diimide. <i>Sensors and Actuators B: Chemical</i> , 2020, 315, 128080.	4.0	15
22	Synergistic chemiluminescence nanoprobe: Au clusters-Cu ²⁺ -induced chemiexcitation of cyclic peroxides and resonance energy transfer. <i>Chemical Communications</i> , 2020, 56, 3151-3154.	2.2	10
23	Engineering Ratiometric Persistent Luminous Sensor Arrays for Biothiols Identification. <i>Analytical Chemistry</i> , 2020, 92, 6645-6653.	3.2	30
24	Efficient generation of sulfate radicals in Fe(II)/S(IV) system induced by WS ₂ nanosheets and examined by its intrinsic chemiluminescence. <i>Chemical Communications</i> , 2020, 56, 6993-6996.	2.2	26
25	Cataluminescence Coupled with Photoassisted Technology: A Highly Efficient Metal-Free Gas Sensor for Carbon Monoxide. <i>Analytical Chemistry</i> , 2019, 91, 13158-13164.	3.2	35
26	Chemiluminescence of Oleic Acid Capped Black Phosphorus Quantum Dots for Highly Selective Detection of Sulfite in PM _{2.5} . <i>Analytical Chemistry</i> , 2019, 91, 9174-9180.	3.2	58
27	Quantum dots-based chemiluminescence probes: an overview. <i>Luminescence</i> , 2019, 34, 530-543.	1.5	62
28	Recent advances in black phosphorus-based optical sensors. <i>Applied Spectroscopy Reviews</i> , 2019, 54, 275-284.	3.4	12
29	Ratiometric Cataluminescence for Rapid Recognition of Volatile Organic Compounds Based on Energy Transfer Process. <i>Analytical Chemistry</i> , 2019, 91, 4860-4867.	3.2	31
30	Recent advances in chemiluminescence for reactive oxygen species sensing and imaging analysis. <i>Microchemical Journal</i> , 2019, 146, 83-97.	2.3	64
31	Hierarchical spheres In ₂ S ₃ -based cataluminescence sensor for ammonium sulfide. <i>Microchemical Journal</i> , 2018, 138, 116-121.	2.3	16
32	Enhanced peroxidase-like activity of Mo-doped ceria nanoparticles for sensitive colorimetric detection of glucose. <i>Analytical Methods</i> , 2018, 10, 76-83.	1.3	30
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.	1.9	21
34	Cataluminescence sensing of carbon disulfide based on CeO ₂ hierarchical hollow microspheres. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5113-5122.	1.9	10
35	UV-Assisted Cataluminescent Sensor for Carbon Monoxide Based on Oxygen-Functionalized g-C ₃ N ₄ Nanomaterials. <i>Analytical Chemistry</i> , 2018, 90, 9598-9605.	3.2	31
36	Recent Advances in Graphitic Carbon Nitride-Based Chemiluminescence, Cataluminescence and Electrochemiluminescence. <i>Journal of Analysis and Testing</i> , 2017, 1, 274-290.	2.5	18

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37	A highly selective and fast-response photoluminescence humidity sensor based on F ⁺ decorated NH ₂ -MIL-53(Al) nanorods. Journal of Materials Chemistry C, 2017, 5, 9465-9471.	2.7	25
38	The morphological evolution of hydroxyapatite on high-efficiency Pb ²⁺ removal and antibacterial activity. Microchemical Journal, 2017, 135, 16-25.	2.3	36
39	Strategies in liquid-phase chemiluminescence and their applications in bioassay. TrAC - Trends in Analytical Chemistry, 2016, 82, 394-411.	5.8	58
40	Highly sensitive cataluminescence gas sensors for 2-butanone based on g-C ₃ N ₄ sheets decorated with CuO nanoparticles. Analytical and Bioanalytical Chemistry, 2016, 408, 8831-8841.	1.9	38
41	Cataluminescence gas sensor for ketones based on nanosized NaYF ₄ :Er. Sensors and Actuators B: Chemical, 2016, 222, 300-306.	4.0	17
42	Advances in nanomaterial-assisted cataluminescence and its sensing applications. TrAC - Trends in Analytical Chemistry, 2015, 67, 107-127.	5.8	53
43	Fabrication of \pm -Fe ₂ O ₃ /g-C ₃ N ₄ composites for cataluminescence sensing of H ₂ S. Sensors and Actuators B: Chemical, 2015, 211, 370-376.	4.0	89
44	A metal (Co)-organic framework-based chemiluminescence system for selective detection of α -cysteine. Analyst, The, 2015, 140, 2656-2663.	1.7	79
45	Fabrication of fluorescent nitrogen-rich graphene quantum dots by tin(IV) catalytic carbonization of ethanolamine. RSC Advances, 2015, 5, 60085-60089.	1.7	14
46	Novel metal-organic frameworks-based hydrogen sulfide cataluminescence sensors. Sensors and Actuators B: Chemical, 2015, 220, 614-621.	4.0	53
47	Metal-organic frameworks (MOFs) combined with ZnO quantum dots as a fluorescent sensing platform for phosphate. Sensors and Actuators B: Chemical, 2014, 197, 50-57.	4.0	98
48	A cubic luminescent graphene oxide functionalized Zn-based metal-organic framework composite for fast and highly selective detection of Cu ²⁺ ions in aqueous solution. Analyst, The, 2014, 139, 764-770.	1.7	26
49	Hierarchical SnO ₂ architectures: controllable growth on graphene by atmospheric pressure chemical vapour deposition and application in cataluminescence gas sensor. CrystEngComm, 2014, 16, 3331.	1.3	27
50	Accelerated reducing synthesis of Ag@CDs composite and simultaneous determination of glucose during the synthetic process. RSC Advances, 2014, 4, 3992-3997.	1.7	19
51	Controllable deposition of ZnO-doped SnO ₂ nanowires on Au/graphene and their application in cataluminescence sensing for alcohols and ketones. Sensors and Actuators B: Chemical, 2014, 203, 726-735.	4.0	24
52	A Y-doped metal-organic framework-based cataluminescence gas sensor for isobutanol. Sensors and Actuators B: Chemical, 2014, 201, 413-419.	4.0	43
53	Turn-on Persistent Luminescence Probe Based on Graphitic Carbon Nitride for Imaging Detection of Biothiols in Biological Fluids. Analytical Chemistry, 2013, 85, 11876-11884.	3.2	197
54	Well-redispersed ceria nanoparticles: Promising peroxidase mimetics for H ₂ O ₂ and glucose detection. Analytical Methods, 2012, 4, 3261.	1.3	194

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55	Enhanced cataluminescence sensing characteristics of ethanol on hierarchical spheres ZnO. Sensors and Actuators B: Chemical, 2012, 173, 93-99.	4.0	19
56	A cataluminescence gas sensor for triethylamine based on nanosized LaF ₃ @CeO ₂ . Sensors and Actuators B: Chemical, 2012, 169, 261-266.	4.0	93
57	Hierarchical hollow microsphere and flower-like indium oxide: Controllable synthesis and application as H ₂ S cataluminescence sensing materials. Materials Research Bulletin, 2012, 47, 2212-2218.	2.7	35
58	Stable and Water-Dispersible Graphene Nanosheets: Sustainable Preparation, Functionalization, and High-Performance Adsorbents for Pb ²⁺ . ChemPlusChem, 2012, 77, 379-386.	1.3	42
59	SiO ₂ /graphene composite for highly selective adsorption of Pb(II) ion. Journal of Colloid and Interface Science, 2012, 369, 381-387.	5.0	231
60	Graphene sheets decorated with SnO ₂ nanoparticles: in situ synthesis and highly efficient materials for cataluminescence gas sensors. Journal of Materials Chemistry, 2011, 21, 5972.	6.7	290