

Hongjie Song

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,527
citations

218381

26
h-index

197535

49
g-index

60
all docs

60
docs citations

60
times ranked

3360
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Graphene sheets decorated with SnO ₂ 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 ₂ /graphene composite for highly selective adsorption of Pb(II) ion. <i>Journal of Colloid and Interface Science</i> , 2012, 369, 381-387. | 5.0 | 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. | 3.2 | 197 |
| 4 | Well-redispersed ceria nanoparticles: Promising peroxidase mimetics for H ₂ O ₂ and glucose detection. <i>Analytical Methods</i> , 2012, 4, 3261. | 1.3 | 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. | 4.0 | 98 |
| 6 | A cataluminescence gas sensor for triethylamine based on nanosized LaF ₃ -CeO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2012, 169, 261-266. | 4.0 | 93 |
| 7 | Fabrication of γ -Fe ₂ O ₃ /g-C ₃ N ₄ composites for cataluminescence sensing of H ₂ S. <i>Sensors and Actuators B: Chemical</i> , 2015, 211, 370-376. | 4.0 | 89 |
| 8 | A metal (Co)-organic framework-based chemiluminescence system for selective detection of L-cysteine. <i>Analyst</i> , 2015, 140, 2656-2663. | 1.7 | 79 |
| 9 | Recent advances in chemiluminescence for reactive oxygen species sensing and imaging analysis. <i>Microchemical Journal</i> , 2019, 146, 83-97. | 2.3 | 64 |
| 10 | Quantum dots-based chemiluminescence probes: an overview. <i>Luminescence</i> , 2019, 34, 530-543. | 1.5 | 62 |
| 11 | Strategies in liquid-phase chemiluminescence and their applications in bioassay. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 82, 394-411. | 5.8 | 58 |
| 12 | 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 |
| 13 | Advances in nanomaterial-assisted cataluminescence and its sensing applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 67, 107-127. | 5.8 | 53 |
| 14 | Novel metal-organic frameworks-based hydrogen sulfide cataluminescence sensors. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 614-621. | 4.0 | 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. | 4.0 | 43 |
| 16 | Stable and Water-Dispersible Graphene Nanosheets: Sustainable Preparation, Functionalization, and High-Performance Adsorbents for Pb ²⁺ . <i>ChemPlusChem</i> , 2012, 77, 379-386. | 1.3 | 42 |
| 17 | Highly sensitive cataluminescence gas sensors for 2-butanone based on g-C ₃ N ₄ sheets decorated with CuO nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8831-8841. | 1.9 | 38 |
| 18 | The morphological evolution of hydroxyapatite on high-efficiency Pb ²⁺ removal and antibacterial activity. <i>Microchemical Journal</i> , 2017, 135, 16-25. | 2.3 | 36 |

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|----|---|-----|-----------|
| 19 | Hierarchical hollow microsphere and flower-like indium oxide: Controllable synthesis and application as H ₂ S cataluminescence sensing materials. <i>Materials Research Bulletin</i> , 2012, 47, 2212-2218. | 2.7 | 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. | 3.2 | 35 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | Engineering Ratiometric Persistent Luminous Sensor Arrays for Biothiols Identification. <i>Analytical Chemistry</i> , 2020, 92, 6645-6653. | 3.2 | 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. | 3.2 | 30 |
| 26 | Hierarchical SnO ₂ architectures: controllable growth on graphene by atmospheric pressure chemical vapour deposition and application in cataluminescence gas sensor. <i>CrystEngComm</i> , 2014, 16, 3331. | 1.3 | 27 |
| 27 | 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. <i>Analyst</i> , 2014, 139, 764-770. | 1.7 | 26 |
| 28 | Ratiometric Cataluminescence Sensor of Amine Vapors for Discriminating Meat Spoilage. <i>Analytical Chemistry</i> , 2021, 93, 6692-6697. | 3.2 | 26 |
| 29 | 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 |
| 30 | A highly selective and fast-response photoluminescence humidity sensor based on F ⁺ decorated NH ₂ -MIL-53(Al) nanorods. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9465-9471. | 2.7 | 25 |
| 31 | Controllable deposition of ZnO-doped SnO ₂ 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. | 4.0 | 24 |
| 32 | 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 |
| 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 | Multifunctional Reduced Graphene Oxide-Based Nanoplatform for Synergistic Targeted Chemo-Photothermal Therapy. <i>ACS Applied Bio Materials</i> , 2020, 3, 5213-5222. | 2.3 | 20 |
| 35 | Enhanced cataluminescence sensing characteristics of ethanol on hierarchical spheres ZnO. <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 93-99. | 4.0 | 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. | 1.7 | 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. | 2.5 | 18 |
| 38 | 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 |
| 39 | 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 |
| 40 | Cataluminescence gas sensor for ketones based on nanosized NaYF ₄ :Er. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 300-306. | 4.0 | 17 |
| 41 | Hierarchical spheres In ₂ S ₃ -based cataluminescence sensor for ammonium sulfide. <i>Microchemical Journal</i> , 2018, 138, 116-121. | 2.3 | 16 |
| 42 | Ratiometric two-photon fluorescent probe for detection of hypochlorite in living cells. <i>Talanta</i> , 2020, 217, 121099. | 2.9 | 15 |
| 43 | 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 |
| 44 | Fabrication of fluorescent nitrogen-rich graphene quantum dots by tin(IV) catalytic carbonization of ethanolamine. <i>RSC Advances</i> , 2015, 5, 60085-60089. | 1.7 | 14 |
| 45 | Multiplex DNA Walking Machines for Lung Cancer-Associated miRNAs. <i>Analytical Chemistry</i> , 2022, 94, 1787-1794. | 3.2 | 13 |
| 46 | Recent advances in black phosphorus-based optical sensors. <i>Applied Spectroscopy Reviews</i> , 2019, 54, 275-284. | 3.4 | 12 |
| 47 | 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 |
| 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. | 4.0 | 11 |
| 49 | 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 |
| 50 | 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 |
| 51 | 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 |
| 52 | 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 |
| 53 | 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 |
| 54 | Lanthanide Nanoprobes for the Multiplex Evaluation of Breast Cancer Biomarkers. <i>Analytical Chemistry</i> , 2021, 93, 13719-13726. | 3.2 | 9 |

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|----|--|-----|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | Evaluating the Band Gaps of Semiconductors by Cataluminescence. <i>Analytical Chemistry</i> , 2021, 93, 14454-14461. | 3.2 | 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. | 2.7 | 5 |
| 59 | Ozone-Activated Cataluminescence Sensor System for Dichloroalkanes Based on Silica Nanospheres. <i>ACS Sensors</i> , 2021, 6, 2893-2901. | 4.0 | 4 |
| 60 | 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 |