

Tooba Hallaj

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,280
citations

304743

22
h-index

345221

36
g-index

39
all docs

39
docs citations

39
times ranked

1520
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Chemiluminescence reaction of glucose-derived graphene quantum dots with hypochlorite, and its application to the determination of free chlorine. <i>Mikrochimica Acta</i> , 2015, 182, 789-796. | 5.0 | 110 |
| 2 | Chemiluminescence of graphene quantum dots and its application to the determination of uric acid. <i>Journal of Luminescence</i> , 2014, 153, 73-78. | 3.1 | 95 |
| 3 | Carbon dots-silver nanoparticles fluorescence resonance energy transfer system as a novel turn-on fluorescent probe for selective determination of cysteine. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 309, 8-14. | 3.9 | 94 |
| 4 | Sulfur and nitrogen co-doped carbon quantum dots as the chemiluminescence probe for detection of Cu ²⁺ ions. <i>Journal of Luminescence</i> , 2017, 182, 246-251. | 3.1 | 93 |
| 5 | Doped-carbon dots: Recent advances in their biosensing, bioimaging and therapy applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 203, 111743. | 5.0 | 77 |
| 6 | Facile synthesis of carbon quantum dot/silver nanocomposite and its application for colorimetric detection of methimazole. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 425-432. | 7.8 | 70 |
| 7 | Strong enhancement of the chemiluminescence of the cerium(IV)-thiosulfate reaction by carbon dots, and its application to the sensitive determination of dopamine. <i>Mikrochimica Acta</i> , 2014, 181, 671-677. | 5.0 | 65 |
| 8 | A novel chemiluminescence method for determination of bisphenol A based on the carbon dot-enhanced HCO_3^- system. <i>Journal of Luminescence</i> , 2015, 158, 160-164. | 3.1 | 65 |
| 9 | Direct chemiluminescence of carbon dots induced by potassium ferricyanide and its analytical application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 122, 715-720. | 3.9 | 46 |
| 10 | An enzyme-free fluorescent probe based on carbon dots @ MnO ₂ nanosheets for determination of uric acid. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 356, 603-609. | 3.9 | 43 |
| 11 | A new turn-off fluorescence probe based on graphene quantum dots for detection of Au(III) ion. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 153, 619-624. | 3.9 | 38 |
| 12 | Green synthesis of nitrogen-doped carbon dots from lentil and its application for colorimetric determination of thioridazine hydrochloride. <i>RSC Advances</i> , 2016, 6, 104467-104473. | 3.6 | 37 |
| 13 | Application of the chemiluminescence system composed of silicon-doped carbon dots, iron(II) and K ₂ S ₂ O ₈ to the determination of norfloxacin. <i>Mikrochimica Acta</i> , 2017, 184, 1587-1593. | 5.0 | 33 |
| 14 | Preconcentration of trace cadmium and manganese using 1-(2-pyridylazo)-2-naphthol-modified TiO ₂ nanoparticles and their determination by flame atomic absorption spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2009, 89, 749-758. | 3.3 | 32 |
| 15 | A novel chemiluminescence sensor for the determination of indomethacin based on sulfur and nitrogen co-doped carbon quantum dots @ KMnO ₄ reaction. <i>Luminescence</i> , 2017, 32, 1174-1179. | 2.9 | 31 |
| 16 | An amplified chemiluminescence system based on Si-doped carbon dots for detection of catecholamines. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 201, 223-228. | 3.9 | 30 |
| 17 | enhancement effect of carbon quantum dots on the chemiluminescence of R^+ system. <i>Journal of Luminescence</i> , 2015, 158, 160-164. | | |

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|----|--|-----|-----------|
| 19 | Determination of 2,4-dichlorophenol in water samples using a chemiluminescence system consisting of graphene quantum dots, rhodamine B and cerium(IV) ion. <i>Mikrochimica Acta</i> , 2016, 183, 1219-1225. | 5.0 | 25 |
| 20 | In situ formation of Ag/Au nanorods as a platform to design a non-aggregation colorimetric assay for uric acid detection in biological fluids. <i>Microchemical Journal</i> , 2020, 154, 104642. | 4.5 | 25 |
| 21 | S, N-doped carbon quantum dots enhanced Luminol-Mn(IV) chemiluminescence reaction for detection of uric acid in biological fluids. <i>Microchemical Journal</i> , 2020, 156, 104841. | 4.5 | 23 |
| 22 | Interaction of glucose-derived carbon quantum dots with silver and gold nanoparticles and its application for the fluorescence detection of 6-thioguanine. <i>Luminescence</i> , 2017, 32, 292-297. | 2.9 | 22 |
| 23 | Inhibition of CD73 using folate targeted nanoparticles carrying anti-CD73 siRNA potentiates anticancer efficacy of Dinaciclib. <i>Life Sciences</i> , 2020, 259, 118150. | 4.3 | 22 |
| 24 | A chemiluminescence reaction consisting of manganese(IV), sodium sulfite, and sulfur- and nitrogen-doped carbon quantum dots, and its application for the determination of oxytetracycline. <i>Mikrochimica Acta</i> , 2020, 187, 191. | 5.0 | 22 |
| 25 | A highly sensitive plasmonic sensor for detection of selenium based on the shape transformation of silver nanoprisms. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1307-1312. | 7.8 | 21 |
| 26 | A dual-mode colorimetric and fluorometric nanosensor for detection of uric acid based on N, P co-doped carbon dots and in-situ formation of Au/Ag core-shell nanoparticles. <i>Microchemical Journal</i> , 2021, 162, 105865. | 4.5 | 21 |
| 27 | A sensitive turn-off fluorometric sensor based on S,N doped carbon dots for environmental analysis of Hg(II) ion. <i>Luminescence</i> , 2021, 36, 1151-1158. | 2.9 | 16 |
| 28 | A sensitive colorimetric probe for detection of 6-thioguanine based on its protective effect on the silver nanoprisms. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 210, 30-35. | 3.9 | 11 |
| 29 | A turn off fluorometric and paper-based colorimetric dual-mode sensor for isoniazid detection. <i>Luminescence</i> , 2022, 37, 153-160. | 2.9 | 11 |
| 30 | A sensitive plasmonic probe based on in situ growth of a Ag shell on a Au@N-CD nanocomposite for detection of isoniazid in environmental and biological samples. <i>New Journal of Chemistry</i> , 2019, 43, 5980-5986. | 2.8 | 9 |
| 31 | Plasmon-enhanced fluorimetric and colorimetric dual sensor based on fluorescein/Ag nanoprisms for sensitive determination of mancozeb. <i>Food Chemistry</i> , 2022, 369, 130967. | 8.2 | 9 |
| 32 | Terbium-to-quantum dot Förster resonance energy transfer for homogeneous and sensitive detection of histone methyltransferase activity. <i>Nanoscale</i> , 2020, 12, 13719-13730. | 5.6 | 7 |
| 33 | A dual colorimetric and fluorometric sensor based on N, P-CDs and shape transformation of AgNPs for the determination of 6-mercaptopurine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 262, 120104. | 3.9 | 6 |
| 34 | A sensitive chemiluminescence method for the determination of celecoxib in pharmaceutical and biological samples. <i>Journal of Analytical Chemistry</i> , 2015, 70, 166-172. | 0.9 | 5 |
| 35 | Angiotensin-converting enzyme as a new immunologic target for the new SARS-CoV-2. <i>Immunology and Cell Biology</i> , 2021, 99, 192-205. | 2.3 | 5 |
| 36 | Morphology transition of Ag nanoprisms as a platform to design a dual sensor for NADH sensitive assay. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 431, 114043. | 3.9 | 3 |

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|----|--|-----|-----------|
| 37 | Energy transfer with nanoparticles for in vitro diagnostics. <i>Frontiers of Nanoscience</i> , 2020, 16, 25-65. | 0.6 | 1 |
| 38 | A sensitive homogeneous enzyme assay for euchromatic histone-lysine-N-methyltransferase 2 (G9a) based on terbium-to-quantum dot time-resolved FRET. <i>BioImpacts</i> , 2020, 11, 173-179. | 1.5 | 1 |
| 39 | Microwave-assisted facile synthesis of N, P co-doped fluorescent carbon dot probe for the determination of nifedipine. <i>Analytical Sciences</i> , 2022, 38, 393-399. | 1.6 | 1 |