

S Sofia M Rodrigues

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

715
citations

567247

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526264

27
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docs citations

30
times ranked

904
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Application of quantum dots as analytical tools in automated chemical analysis: A review. <i>Analytica Chimica Acta</i> , 2012, 735, 9-22. | 5.4 | 207 |
| 2 | Application of nanocrystalline CdTe quantum dots in chemical analysis: Implementation of chemo-sensing schemes based on analyte-triggered photoluminescence modulation. <i>Coordination Chemistry Reviews</i> , 2017, 330, 127-143. | 18.8 | 59 |
| 3 | Fluorescence enhancement of CdTe MPA-capped quantum dots by glutathione for hydrogen peroxide determination. <i>Talanta</i> , 2014, 122, 157-165. | 5.5 | 41 |
| 4 | Plastic antibodies tailored on quantum dots for an optical detection of myoglobin down to the femtomolar range. <i>Scientific Reports</i> , 2018, 8, 4944. | 3.3 | 41 |
| 5 | Tuning CdTe quantum dots reactivity for multipoint detection of mercury(II), silver(I) and copper(II). <i>Journal of Luminescence</i> , 2019, 207, 386-396. | 3.1 | 32 |
| 6 | Label-free quantum dot conjugates for human protein IL-2 based on molecularly imprinted polymers. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127343. | 7.8 | 32 |
| 7 | Chemiluminometric determination of captopril in a multi-pumping flow system. <i>Talanta</i> , 2012, 96, 210-215. | 5.5 | 28 |
| 8 | Determination of iron in biodiesel based on fluorescence quenching of CdTe quantum dots. <i>Fuel</i> , 2014, 117, 520-527. | 6.4 | 27 |
| 9 | Synthesis of distinctly thiol-capped CdTe quantum dots under microwave heating: multivariate optimization and characterization. <i>Journal of Materials Science</i> , 2017, 52, 3208-3224. | 3.7 | 24 |
| 10 | Multiplexed analysis combining distinctly-sized CdTe-MPA quantum dots and chemometrics for multiple mutually interfering analyte determination. <i>Talanta</i> , 2017, 174, 572-580. | 5.5 | 22 |
| 11 | Determination of copper in biodiesel samples using CdTe-GSH quantum dots as photoluminescence probes. <i>Microchemical Journal</i> , 2014, 117, 144-148. | 4.5 | 19 |
| 12 | Imprinted Fluorescent Cellulose Membranes for the On-Site Detection of Myoglobin in Biological Media. <i>ACS Applied Bio Materials</i> , 2021, 4, 4224-4235. | 4.6 | 19 |
| 13 | Enhancing reactive species generation upon photo-activation of CdTe quantum dots for the chemiluminometric determination of unreacted reagent in UV/ | 5.5 | 17 |
| 14 | Competitive metal-ligand binding between CdTe quantum dots and EDTA for free Ca ²⁺ determination. <i>Talanta</i> , 2015, 134, 173-182. | 5.5 | 17 |
| 15 | Fluorescence probe for mercury(II) based on the aqueous synthesis of CdTe quantum dots stabilized with 2-mercaptoethanesulfonate. <i>New Journal of Chemistry</i> , 2017, 41, 3265-3272. | 2.8 | 17 |
| 16 | Automated determination of Rifamycins making use of MPA-capped CdTe quantum dots. <i>Journal of Luminescence</i> , 2016, 175, 158-164. | 3.1 | 16 |
| 17 | Chemiluminometric evaluation of melatonin and selected melatonin precursors interaction with reactive oxygen and nitrogen species. <i>Analytical Biochemistry</i> , 2012, 420, 1-6. | 2.4 | 15 |
| 18 | Selective determination of sulphide based on photoluminescence quenching of MPA-capped CdTe nanocrystals by exploiting a gas-diffusion multi-pumping flow method. <i>Analytical Methods</i> , 2014, 6, 7956-7966. | 2.7 | 15 |

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|----|--|-----|-----------|
| 19 | Antioxidant capacity automatic assay based on inline photogenerated radical species from l-glutathione-capped CdTe quantum dots. <i>Talanta</i> , 2015, 141, 220-229. | 5.5 | 14 |
| 20 | Cellulose-based hydrogel on quantum dots with molecularly imprinted polymers for the detection of CA19-9 protein cancer biomarker. <i>Mikrochimica Acta</i> , 2022, 189, 134. | 5.0 | 10 |
| 21 | Study of the quenching effect of quinolones over CdTe-quantum dots using sequential injection analysis and multicommutation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 80, 147-154. | 2.8 | 7 |
| 22 | A CdTe@MPA quantum dot fluorescence enhancement flow method for chlorhexidine determination. <i>Analytical Methods</i> , 2014, 6, 4240-4246. | 2.7 | 7 |
| 23 | Clean photoinduced generation of free reactive oxygen species by silica films embedded with CdTe@MTA quantum dots. <i>RSC Advances</i> , 2016, 6, 8563-8571. | 3.6 | 7 |
| 24 | Exploitation of a single interface flow system for on-line aqueous biphasic extraction. <i>Talanta</i> , 2010, 81, 1847-1851. | 5.5 | 5 |
| 25 | Immobilization of Distinctly Capped CdTe Quantum Dots onto Porous Aminated Solid Supports. <i>ChemPhysChem</i> , 2015, 16, 1880-1888. | 2.1 | 5 |
| 26 | Determination of phenylglyoxylic acid in urine using a multi-pumping flow system. <i>International Journal of Environmental Analytical Chemistry</i> , 2011, 91, 1256-1266. | 3.3 | 4 |
| 27 | A novel multi-commutated method for the determination of hydroxytyrosol in enriched foods using mercaptopropionic acid-capped CdTe quantum dots. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2013, 30, 1485-1492. | 2.3 | 4 |
| 28 | Mathematical modeling of dispersion in single interface flow analysis. <i>Analytica Chimica Acta</i> , 2010, 663, 178-183. | 5.4 | 1 |
| 29 | Quantum Dots: Light Emitters for Diagnostics and Therapeutics. , 2018, , 467-501. | | 1 |