

# S Sofia M Rodrigues

## List of Publications by Citations

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30  
papers

583  
citations

14  
h-index

23  
g-index

30  
ext. papers

638  
ext. citations

5.4  
avg, IF

3.7  
L-index

#	Paper	IF	Citations
30	Application of quantum dots as analytical tools in automated chemical analysis: a review. <i>Analytica Chimica Acta</i> , <b>2012</b> , 735, 9-22	6.6	187
29	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> , <b>2017</b> , 330, 127-143	23.2	46
28	Fluorescence enhancement of CdTe MPA-capped quantum dots by glutathione for hydrogen peroxide determination. <i>Talanta</i> , <b>2014</b> , 122, 157-65	6.2	34
27	Plastic antibodies tailored on quantum dots for an optical detection of myoglobin down to the femtomolar range. <i>Scientific Reports</i> , <b>2018</b> , 8, 4944	4.9	28
26	Determination of iron in biodiesel based on fluorescence quenching of CdTe quantum dots. <i>Fuel</i> , <b>2014</b> , 117, 520-527	7.1	25
25	Chemiluminometric determination of captopril in a multi-pumping flow system. <i>Talanta</i> , <b>2012</b> , 96, 210-56.2		25
24	Synthesis of distinctly thiol-capped CdTe quantum dots under microwave heating: multivariate optimization and characterization. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 3208-3224	4.3	22
23	Tuning CdTe quantum dots reactivity for multipoint detection of mercury(II), silver(I) and copper(II). <i>Journal of Luminescence</i> , <b>2019</b> , 207, 386-396	3.8	21
22	Label-free quantum dot conjugates for human protein IL-2 based on molecularly imprinted polymers. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 304, 127343	8.5	19
21	Determination of copper in biodiesel samples using CdTe-GSH quantum dots as photoluminescence probes. <i>Microchemical Journal</i> , <b>2014</b> , 117, 144-148	4.8	18
20	Competitive metal-ligand binding between CdTe quantum dots and EDTA for free Ca <sup>2+</sup> determination. <i>Talanta</i> , <b>2015</b> , 134, 173-182	6.2	17
19	Enhancing reactive species generation upon photo-activation of CdTe quantum dots for the chemiluminometric determination of unreacted reagent in UV/S <sub>2</sub> O <sub>8</sub> ( <sup>2-</sup> ) drug degradation process. <i>Talanta</i> , <b>2015</b> , 135, 27-33	6.2	17
18	Fluorescence probe for mercury(II) based on the aqueous synthesis of CdTe quantum dots stabilized with 2-mercaptoethanesulfonate. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 3265-3272	3.6	16
17	Multiplexed analysis combining distinctly-sized CdTe-MPA quantum dots and chemometrics for multiple mutually interfering analyte determination. <i>Talanta</i> , <b>2017</b> , 174, 572-580	6.2	15
16	Chemiluminometric evaluation of melatonin and selected melatonin precursors Interaction with reactive oxygen and nitrogen species. <i>Analytical Biochemistry</i> , <b>2012</b> , 420, 1-6	3.1	13
15	Antioxidant capacity automatic assay based on inline photogenerated radical species from L-glutathione-capped CdTe quantum dots. <i>Talanta</i> , <b>2015</b> , 141, 220-9	6.2	12
14	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> , <b>2014</b> , 6, 7956-7966 <sup>12</sup>	3.2	12

13	Automated determination of Rifamycins making use of MPA-CdTe quantum dots. <i>Journal of Luminescence</i> , <b>2016</b> , 175, 158-164	3.8	11
12	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> , <b>2013</b> , 80, 147-54	3.5	7
11	Imprinted Fluorescent Cellulose Membranes for the On-Site Detection of Myoglobin in Biological Media.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 4224-4235	4.1	7
10	Clean photoinduced generation of free reactive oxygen species by silica films embedded with CdTe-MTA quantum dots. <i>RSC Advances</i> , <b>2016</b> , 6, 8563-8571	3.7	6
9	A CdTe-MPA quantum dot fluorescence enhancement flow method for chlorhexidine determination. <i>Analytical Methods</i> , <b>2014</b> , 6, 4240-4246	3.2	6
8	Immobilization of Distinctly Capped CdTe Quantum Dots onto Porous Aminated Solid Supports. <i>ChemPhysChem</i> , <b>2015</b> , 16, 1880-8	3.2	5
7	Exploitation of a single interface flow system for on-line aqueous biphasic extraction. <i>Talanta</i> , <b>2010</b> , 81, 1847-51	6.2	5
6	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> , <b>2013</b> , 30, 1485-92	3.2	4
5	Determination of phenylglyoxylic acid in urine using a multi-pumping flow system. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2011</b> , 91, 1256-1266	1.8	3
4	Cellulose-based hydrogel on quantum dots with molecularly imprinted polymers for the detection of CA19-9 protein cancer biomarker.. <i>Mikrochimica Acta</i> , <b>2022</b> , 189, 134	5.8	2
3	Semiconductor Quantum Dots in Chemical Analysis <b>2019</b> , 309-343		
2	Mathematical modeling of dispersion in single interface flow analysis. <i>Analytica Chimica Acta</i> , <b>2010</b> , 663, 178-83	6.6	
1	Quantum Dots: Light Emitters for Diagnostics and Therapeutics <b>2018</b> , 467-501		