S Sofia M Rodrigues

List of Publications by Year in Descending Order

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	Cellulose-based hydrogel on quantum dots with molecularly imprinted polymers for the detection of CA19-9 protein cancer biomarker.. *Mikrochimica Acta*, **2022**, 189, 134	5.8	2
29	Imprinted Fluorescent Cellulose Membranes for the On-Site Detection of Myoglobin in Biological Media.. *ACS Applied Bio Materials*, **2021**, 4, 4224-4235	4.1	7
28	Label-free quantum dot conjugates for human protein IL-2 based on molecularly imprinted polymers. *Sensors and Actuators B: Chemical*, **2020**, 304, 127343	8.5	19
27	Semiconductor Quantum Dots in Chemical Analysis **2019**, 309-343		
26	Tuning CdTe quantum dots reactivity for multipoint detection of mercury(II), silver(I) and copper(II). *Journal of Luminescence*, **2019**, 207, 386-396	3.8	21
25	Plastic antibodies tailored on quantum dots for an optical detection of myoglobin down to the femtomolar range. *Scientific Reports*, **2018**, 8, 4944	4.9	28
24	Quantum Dots: Light Emitters for Diagnostics and Therapeutics **2018**, 467-501		
23	Fluorescence probe for mercury(II) based on the aqueous synthesis of CdTe quantum dots stabilized with 2-mercaptoethanesulfonate. *New Journal of Chemistry*, **2017**, 41, 3265-3272	3.6	16
22	Synthesis of distinctly thiol-capped CdTe quantum dots under microwave heating: multivariate optimization and characterization. *Journal of Materials Science*, **2017**, 52, 3208-3224	4.3	22
21	Multiplexed analysis combining distinctly-sized CdTe-MPA quantum dots and chemometrics for multiple mutually interfering analyte determination. *Talanta*, **2017**, 174, 572-580	6.2	15
20	Application of nanocrystalline CdTe quantum dots in chemical analysis: Implementation of chemo-sensing schemes based on analyte-triggered photoluminescence modulation. *Coordination Chemistry Reviews*, **2017**, 330, 127-143	23.2	46
19	Clean photoinduced generation of free reactive oxygen species by silica films embedded with CdTe□MTA quantum dots. *RSC Advances*, **2016**, 6, 8563-8571	3.7	6
18	Automated determination of Rifamycins making use of MPA□CdTe quantum dots. *Journal of Luminescence*, **2016**, 175, 158-164	3.8	11
17	Immobilization of Distinctly Capped CdTe Quantum Dots onto Porous Aminated Solid Supports. *ChemPhysChem*, **2015**, 16, 1880-8	3.2	5
16	Antioxidant capacity automatic assay based on inline photogenerated radical species from L-glutathione-capped CdTe quantum dots. *Talanta*, **2015**, 141, 220-9	6.2	12
15	Competitive metal-ligand binding between CdTe quantum dots and EDTA for free Ca2+ determination. *Talanta*, **2015**, 134, 173-182	6.2	17
14	Enhancing reactive species generation upon photo-activation of CdTe quantum dots for the chemiluminometric determination of unreacted reagent in UV/S2O8(2-) drug degradation process. *Talanta*, **2015**, 135, 27-33	6.2	17

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13	Determination of copper in biodiesel samples using CdTe-GSH quantum dots as photoluminescence probes. *Microchemical Journal*, **2014**, 117, 144-148	4.8	18
12	Selective determination of sulphide based on photoluminescence quenching of MPA-capped CdTe nanocrystals by exploiting a gas-diffusion multi-pumping flow method. *Analytical Methods*, **2014**, 6, 7956-7966	3.2	12
11	Fluorescence enhancement of CdTe MPA-capped quantum dots by glutathione for hydrogen peroxide determination. *Talanta*, **2014**, 122, 157-65	6.2	34
10	A CdTe QMPA quantum dot fluorescence enhancement flow method for chlorhexidine determination. *Analytical Methods*, **2014**, 6, 4240-4246	3.2	6
9	Determination of iron in biodiesel based on fluorescence quenching of CdTe quantum dots. *Fuel*, **2014**, 117, 520-527	7.1	25
8	Study of the quenching effect of quinolones over CdTe-quantum dots using sequential injection analysis and multicommutation. *Journal of Pharmaceutical and Biomedical Analysis*, **2013**, 80, 147-54	3.5	7
7	A novel multi-commutated method for the determination of hydroxytyrosol in enriched foods using mercaptopropionic acid-capped CdTe quantum dots. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2013**, 30, 1485-92	3.2	4
6	Chemiluminometric determination of captopril in a multi-pumping flow system. *Talanta*, **2012**, 96, 210-5	6.2	25
5	Application of quantum dots as analytical tools in automated chemical analysis: a review. *Analytica Chimica Acta*, **2012**, 735, 9-22	6.6	187
4	Chemiluminometric evaluation of melatonin and selected melatonin precursors Interaction with reactive oxygen and nitrogen species. *Analytical Biochemistry*, **2012**, 420, 1-6	3.1	13
3	Determination of phenylglyoxylic acid in urine using a multi-pumping flow system. *International Journal of Environmental Analytical Chemistry*, **2011**, 91, 1256-1266	1.8	3
2	Exploitation of a single interface flow system for on-line aqueous biphasic extraction. *Talanta*, **2010**, 81, 1847-51	6.2	5
1	Mathematical modeling of dispersion in single interface flow analysis. *Analytica Chimica Acta*, **2010**, 663, 178-83	6.6	