David S M Ribeiro

List of Publications by Year
in descending order

45 papers	1,022 citations	489802 18 h-index	488211 31 g-index
46 all docs	46 docs citations	46 times ranked	1163 citing authors

#	Article	IF	Citations
1	Photoluminescent and visual determination of ibandronic acid using a carbon dots/AgInS2 quantum dots ratiometric sensing platform. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 267, 120592.	2.0	17
2	The use of in-situ Raman spectroscopy to monitor at real time the quality of different types of edible oils under frying conditions. Food Control, 2022, 136, 108879.	2.8	10
3	Cellulose-based hydrogel on quantum dots with molecularly imprinted polymers for the detection of CA19-9 protein cancer biomarker. Mikrochimica Acta, 2022, 189, 134.	2.5	10
4	Visual detection using quantum dots sensing platforms. Coordination Chemistry Reviews, 2021, 429, 213637.	9.5	43
5	Near infrared spectroscopy coupled to MCR-ALS for the identification and quantification of saffron adulterants: Application to complex mixtures. Food Control, 2021, 123, 107776.	2.8	13
6	Imprinted Fluorescent Cellulose Membranes for the On-Site Detection of Myoglobin in Biological Media. ACS Applied Bio Materials, 2021, 4, 4224-4235.	2.3	19
7	Comparison of near infrared spectroscopy and Raman spectroscopy for the identification and quantification through MCR-ALS and PLS of peanut oil adulterants. Talanta, 2021, 230, 122373.	2.9	23
8	Multiplexed detection using quantum dots as photoluminescent sensing elements or optical labels. Coordination Chemistry Reviews, 2021, 448, 214181.	9.5	26
9	Determination of atenolol based on the reversion of the fluorescence resonance energy transfer between AgInS₂quantum dots and Au nanoparticles. Analyst, The, 2021, 146, 1004-1015.	1.7	11
10	Chemometric-assisted kinetic determination of oxytetracycline using AgInS2 quantum dots as PL sensing platforms. Analytica Chimica Acta, 2021, 1188, 339174.	2.6	7
11	Label-free quantum dot conjugates for human protein IL-2 based on molecularly imprinted polymers. Sensors and Actuators B: Chemical, 2020, 304, 127343.	4.0	32
12	Rationally designed synthesis of bright AgInS2/ZnS quantum dots with emission control. Nano Research, 2020, 13, 2438-2450.	5.8	36
13	Photocatalytic activity of AgInS2 quantum dots upon visible light irradiation for melatonin determination through its reactive oxygen species scavenging effect. Microchemical Journal, 2020, 155, 104728.	2.3	21
14	Detection of melamine and sucrose as adulterants in milk powder using near-infrared spectroscopy with DD-SIMCA as one-class classifier and MCR-ALS as a means to provide pure profiles of milk and of both adulterants with forensic evidence: A short communication. Talanta, 2020, 216, 120937.	2.9	34
15	Dual-emission CdTe/AgInS2 photoluminescence probe coupled to neural network data processing for the simultaneous determination of folic acid and iron (II). Analytica Chimica Acta, 2020, 1114, 29-41.	2.6	16
16	Portable and benchtop Raman spectrometers coupled to cluster analysis to identify quinine sulfate polymorphs in solid dosage forms and antimalarial drug quantification in solution by AuNPs-SERS with MCR-ALS. Analytical Methods, 2020, 12, 2407-2421.	1.3	7
17	Dual-emission ratiometric probe combining carbon dots and CdTe quantum dots for fluorometric and visual determination of H2O2. Sensors and Actuators B: Chemical, 2019, 296, 126665.	4.0	50
18	Tuning CdTe quantum dots reactivity for multipoint detection of mercury(II), silver(I) and copper(II). Journal of Luminescence, 2019, 207, 386-396.	1.5	32

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19	Plastic antibodies tailored on quantum dots for an optical detection of myoglobin down to the femtomolar range. Scientific Reports, 2018, 8, 4944.	1.6	41
20	Quantum Dots: Light Emitters for Diagnostics and Therapeutics. , 2018, , 467-501.		1
21	Fluorescence probe for mercury(<scp>ii</scp>) based on the aqueous synthesis of CdTe quantum dots stabilized with 2-mercaptoethanesulfonate. New Journal of Chemistry, 2017, 41, 3265-3272.	1.4	17
22	Synthesis of distinctly thiol-capped CdTe quantum dots under microwave heating: multivariate optimization and characterization. Journal of Materials Science, 2017, 52, 3208-3224.	1.7	24
23	Multiplexed analysis combining distinctly-sized CdTe-MPA quantum dots and chemometrics for multiple mutually interfering analyte determination. Talanta, 2017, 174, 572-580.	2.9	22
24	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.	9.5	59
25	Physical and chemical immobilization of choline oxidase onto different porous solid supports: Adsorption studies. Enzyme and Microbial Technology, 2016, 90, 76-82.	1.6	2
26	Clean photoinduced generation of free reactive oxygen species by silica films embedded with CdTeâ€“MTA quantum dots. RSC Advances, 2016, 6, 8563-8571.	1.7	7
27	Immobilization of Distinctly Capped CdTe Quantum Dots onto Porous Aminated Solid Supports. ChemPhysChem, 2015, 16, 1880-1888.	1.0	5
28	Antioxidant capacity automatic assay based on inline photogenerated radical species from l-glutathione-capped CdTe quantum dots. Talanta, 2015, 141, 220-229.	2.9	14
29	Competitive metalâ€“ligand binding between CdTe quantum dots and EDTA for free Ca 2+ determination. Talanta, 2015, 134, 173-182.	2.9	17
30	pH-sensitive spectrophotometric control of nilutamide in an automatic micro-flow system. New Journal of Chemistry, 2014, 38, 2856.	1.4	18
31	Determination of copper in biodiesel samples using CdTe-GSH quantum dots as photoluminescence probes. Microchemical Journal, 2014, 117, 144-148.	2.3	19
32	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.	1.3	15
33	Fluorescence enhancement of CdTe MPA-capped quantum dots by glutathione for hydrogen peroxide determination. Talanta, 2014, 122, 157-165.	2.9	41
34	Chemiluminometric determination of ascorbic acid in pharmaceutical formulations exploiting photoâ€activation of GSHâ€capped CdTe quantum dots. Luminescence, 2014, 29, 901-907.	1.5	17
35	Automatic multiple photodegradation unit on a multipumping flow system: Monitoring of ketoprofen. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 271, 77-84.	2.0	4
36	Exploiting adsorption and desorption at solidâ€“liquid interface for the fluorometric monitoring of glibenclamide in adulterated drinks. Analytica Chimica Acta, 2012, 721, 97-103.	2.6	6

#	Article	IF	Citations
37	Application of quantum dots as analytical tools in automated chemical analysis: A review. Analytica Chimica Acta, 2012, 735, 9-22.	2.6	207
38	Photoactivation by visible light of CdTe quantum dots for inline generation of reactive oxygen species in an automated multipumping flow system. Analytica Chimica Acta, 2012, 735, 69-75.	2.6	25
39	Automatic miniaturized fluorometric flow system for chemical and toxicological control of glibenclamide. Talanta, 2011, 84, 1329-1335.	2.9	5
40	Automated determination of diazepam in spiked alcoholic beverages associated with drug-facilitated crimes. Analytica Chimica Acta, 2010, 668, 67-73.	2.6	16
41	Diazepam Fluorimetric Monitoring Upon Photo-Degradation in an Automatic Miniaturized Flow System. Journal of Fluorescence, 2010, 20, 915-922.	1.3	4
42	Exploiting the oxidative coupling reaction of MBTH for indapamide determination. Talanta, 2009, 79, 1161-1168.	2.9	8
43	Automatic Multipumping Flow System for Handling Viscous Solutions: Application to the Spectrophotometric Determination of Trimipramine. Analytical Letters, 2008, 41, 2684-2696.	1.0	4
44	New designs for inhibitors of the NF-Î¹B: DNA binding. Theoretical Chemistry Accounts, 2005, 113, 197-204.	0.5	1
45	Electrochemical Study of Ion Transfer of Acetylcholine Across the Interface of Water and a Lipid-Modified 1,2-Dichloroethane. Journal of Physical Chemistry B, 2005, 109, 12549-12559.	1.2	14