

# Ricardo Q Aucã©lio

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3581646/publications.pdf>

Version: 2024-02-01

60  
papers

861  
citations

566801

15  
h-index

525886

27  
g-index

60  
all docs

60  
docs citations

60  
times ranked

1070  
citing authors

#	ARTICLE	IF	CITATIONS
1	The determination of trace elements in crude oil and its heavy fractions by atomic spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 939-951.	1.5	152
2	The determination of trace metals in lubricating oils by atomic spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 952-961.	1.5	104
3	A moderate metal-binding hydrazone meets the criteria for a bioinorganic approach towards Parkinson's disease: Therapeutic potential, blood-brain barrier crossing evaluation and preliminary toxicological studies. <i>Journal of Inorganic Biochemistry</i> , 2017, 170, 160-168.	1.5	43
4	Determination of histamine in tuna fish by photoluminescence sensing using thioglycolic acid modified CdTe quantum dots and cationic solid phase extraction. <i>Journal of Luminescence</i> , 2017, 182, 71-78.	1.5	31
5	Thioglycolic acid-CdTe quantum dots sensing and molecularly imprinted polymer based solid phase extraction for the determination of kanamycin in milk, vaccine and stream water samples. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 444-454.	4.0	28
6	Spectrometric methods for the determination of chlorine in crude oil and petroleum derivatives – A review. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013, 86, 102-107.	1.5	24
7	A simple electroanalytical procedure for the determination of calcium in biodiesel. <i>Fuel</i> , 2014, 115, 658-665.	3.4	24
8	Sequential Determination of Hydrocortisone and Epinephrine in Pharmaceutical Formulations via Photochemically Enhanced Fluorescence. <i>Mikrochimica Acta</i> , 2004, 146, 79-84.	2.5	22
9	Selective determination of tobramycin in the presence of streptomycin through the visible light effect on surface plasmon resonance of gold nanoparticles. <i>Microchemical Journal</i> , 2014, 116, 206-215.	2.3	22
10	Determination of the fungicide kresoxim-methyl in grape juices using square-wave voltammetry and a boron-doped diamond electrode. <i>Journal of Electroanalytical Chemistry</i> , 2013, 708, 46-53.	1.9	21
11	Quantification of thyroxine by the selective photoluminescence quenching of L-cysteine@ZnS quantum dots in aqueous solution containing hexadecyltrimethylammonium bromide. <i>Journal of Luminescence</i> , 2014, 156, 16-24.	1.5	21
12	Electrochemical determination of picoxystrobin on boron-doped diamond electrode: Square-wave voltammetry versus BIA-multiple pulse amperometry. <i>Microchemical Journal</i> , 2015, 123, 1-8.	2.3	21
13	Photoluminescence suppression effect caused by histamine on amino-functionalized graphene quantum dots with the mediation of Fe <sup>3+</sup> , Cu <sup>2+</sup> , Eu <sup>3+</sup> : Application in the analysis of spoiled tuna fish. <i>Microchemical Journal</i> , 2017, 133, 448-459.	2.3	21
14	Direct chlorine determination in crude oils by energy dispersive X-ray fluorescence spectrometry: An improved method based on a proper strategy for sample homogenization and calibration with inorganic standards. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2011, 66, 368-372.	1.5	20
15	Spherical gold nanoparticles and gold nanorods for the determination of gentamicin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 172, 126-134.	2.0	18
16	Voltammetric determination of creatinine using a gold electrode modified with Nafion mixed with graphene quantum dots-copper. <i>Journal of Electroanalytical Chemistry</i> , 2020, 878, 114561.	1.9	18
17	Combination of ultrasonic extraction in a surfactant-rich medium and distillation for mercury speciation in offshore petroleum produced waters by gas chromatography cold vapor atomic fluorescence spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2019, 158, 105641.	1.5	16
18	Selective Determination of Rutin by Fluorescence Attenuation of the CdS-2-mercaptopropionic Acid Nanocrystal Probe. <i>Analytical Letters</i> , 2013, 46, 207-224.	1.0	15

#	ARTICLE	IF	CITATIONS
19	Electrochemical Oxidation of the Fungicide Dimoxystrobin and Its Amperometric Determination by Batch-Injection Analysis. <i>Analytical Letters</i> , 2014, 47, 492-503.	1.0	14
20	Determination of the fungicide picoxystrobin using anodic stripping voltammetry on a metal film modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2013, 97, 202-209.	2.6	13
21	Square-wave voltammetric determination of primaquine in urine using a multi-walled carbon nanotube modified electrode. <i>Microchemical Journal</i> , 2019, 150, 104201.	2.3	12
22	Determination of gentamicin sulfate by batch-injection amperometry after solid-phase extraction using a kanamycin-template imprinted polymer. <i>Microchemical Journal</i> , 2019, 145, 187-195.	2.3	12
23	Laser induced fluorescence and photochemical derivatization for trace determination of camptothecin. <i>Talanta</i> , 2010, 83, 256-261.	2.9	11
24	Different approaches for sensing captopril based on functionalized graphene quantum dots as photoluminescent probe. <i>Journal of Luminescence</i> , 2016, 179, 83-92.	1.5	11
25	Gold nanoparticles produced using NaBH <sub>4</sub> in absence and in the presence of one-tail or two-tail cationic surfactants: Characteristics and optical responses induced by aminoglycosides. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 614, 126174.	2.3	11
26	Gold nanoparticles coupled with graphene quantum dots in organized medium to quantify aminoglycoside anti-biotics in yellow fever vaccine after solid phase extraction using a selective imprinted polymer. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 158, 480-493.	1.4	10
27	Determination of lapachol in the presence of other naphthoquinones using 3MPA-CdTe quantum dots fluorescent probe. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 100, 155-160.	2.0	9
28	Speciation and ultra trace determination of mercury in produced waters from offshore drilling operations using portable instrumentation and matrix-matching calibration. <i>Microchemical Journal</i> , 2019, 146, 1072-1082.	2.3	9
29	Methods for the determination of silicon and aluminum in fuel oils and in crude oils by X-ray fluorescence spectrometry. <i>Fuel</i> , 2019, 243, 493-500.	3.4	9
30	Determination of Kresoxim-Methyl in Water and in Grapes by High-Performance Liquid Chromatography (HPLC) Using Photochemical-Induced Fluorescence and Dispersive Liquid-Liquid Microextraction (DLLME). <i>Analytical Letters</i> , 2020, 53, 2202-2221.	1.0	9
31	Photo-generation of mercury cold vapor mediated by graphene quantum dots/TiO <sub>2</sub> nanocomposite: On line time-resolved speciation at ultra-trace levels. <i>Analytica Chimica Acta</i> , 2020, 1127, 256-268.	2.6	9
32	Thiomersal photo-degradation with visible light mediated by graphene quantum dots: Indirect quantification using optical multipath mercury cold-vapor absorption spectrophotometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 138, 81-89.	1.5	8
33	Indirect voltammetric determination of thiomersal in influenza vaccine using photo-degradation and graphene quantum dots modified glassy carbon electrode. <i>Talanta</i> , 2020, 215, 120938.	2.9	7
34	Room-temperature Phosphorimetry for the Selective Determination of Yohimbine in the Presence of Reserpine-like Indolic Alkaloids.. <i>Analytical Sciences</i> , 2002, 18, 831-834.	0.8	6
35	Improved quantum dots fluorescence quenching using organized medium: A study of the effect of naphthoquinones aiming the analysis of plant extracts. <i>Microchemical Journal</i> , 2013, 110, 775-782.	2.3	6
36	Spectrofluorimetric determination of tetrabenazine after photochemical derivatization in basic medium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 100, 166-170.	2.0	6

#	ARTICLE	IF	CITATIONS
37	Determination of captopril using selective photoluminescence enhancement of 2-mercaptopropionic modified CdTe quantum dots. <i>Materials Research Express</i> , 2014, 1, 026202.	0.8	6
38	Quantification of neomycin in rubella vaccine by off/on metal ion mediated photoluminescence from functionalized graphene quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 220, 117139.	2.0	6
39	Electrooxidation of trifloxystrobin at the boron-doped diamond electrode: electrochemical mechanism, quantitative determination and degradation studies. <i>International Journal of Environmental Analytical Chemistry</i> , 2016, 96, 959-977.	1.8	5
40	Luminescence imaging and toxicity assessment of graphene quantum dots using <i>in vitro</i> models. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2022, 30, 657-666.	1.0	5
41	Room-temperature phosphorimetry for the determination of trace contaminations of camptothecin in anticancer drugs. <i>Microchemical Journal</i> , 2010, 96, 108-113.	2.3	4
42	Photochemical derivatization of amitriptyline using a green chemistry approach: fluorimetric determination and photochemical reaction mechanism. <i>Analytical Methods</i> , 2014, 6, 4022.	1.3	4
43	Kanamycin detection at graphene quantum dot-decorated gold nanoparticles in organized medium after solid-phase extraction using an aminoglycoside imprinted polymer. <i>MethodsX</i> , 2018, 5, 1605-1612.	0.7	4
44	Fluorimetric determination of cyclofenil using photochemical derivatization. <i>Talanta</i> , 2008, 74, 1442-1449.	2.9	3
45	Selective Spectrofluorimetric Method and Uncertainty Calculation for the Determination of Camptothecin in the Presence of Irinotecan and Topotecan. <i>Analytical Letters</i> , 2010, 43, 520-531.	1.0	3
46	Physicochemical properties and toxicological assessment of modified CdS nanoparticles. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	3
47	Study of the interaction of flavonoids with 3-mercaptopropionic acid modified CdTe quantum dots mediated by cetyltrimethyl ammonium bromide in aqueous medium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 172, 147-155.	2.0	3
48	Determination of varenicline after photochemical fluorescence enhancement using spectrofluorimetry and high-performance liquid chromatography. <i>Microchemical Journal</i> , 2019, 144, 172-179.	2.3	3
49	Pre-concentration of rosuvastatin using solid-phase extraction in a molecularly imprinted polymer and analytical application in water supply. <i>Environmental Science and Pollution Research</i> , 2020, 27, 11724-11735.	2.7	3
50	Evaluation of Polycyclic Aromatic Hydrocarbons in Dried Leaves of Yerba Mate ( <i>Ilex</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (pa 1575-1589.	1.4	3
51	Use of selective quenching of a photoluminescent probe based on a Eu(III) $\beta^2$ -diketonate complex for determination of methylmercury in produced water after liquid-liquid extraction. <i>Talanta</i> , 2022, 244, 123406.	2.9	3
52	Fast determination of trace metals in edible oils and fats by inductively coupled plasma mass spectrometry and ultrasonic acidic extraction. , 2022, 1, 100003.		3
53	Novel Electrochemical Determination of Atorvastatin by Monitoring the Suppression of a Lead Probe. <i>Analytical Letters</i> , 2021, 54, 541-557.	1.0	2
54	Selective Determination of Harmol by Room-Temperature Phosphorimetry: A Comparative Performance with Micellar Electrokinetic Capillary Chromatography. <i>Analytical Letters</i> , 2008, 41, 1648-1657.	1.0	1

#	ARTICLE	IF	CITATIONS
55	Voltammetric determination of lapachol in the presence of lapachones and in ethanolic extract of <i>Tabebuia impetiginosa</i> using an epoxy-graphite composite electrode. <i>Microchemical Journal</i> , 2017, 133, 629-637.	2.3	1
56	Square Wave Voltammetric Determination of 8-Hydroxyquinoline-2-Carboxaldehyde Isonicotinoyl Hydrazone (INH HQ), a Promising Metal-Protein Attenuating Compound for the Treatment of Alzheimer's Disease, Using a Multiwalled Carbon Nanotube (MWCNT) Modified Glassy Carbon Electrode (GCE). <i>Analytical Letters</i> , 2020, 53, 2337-2354.	1.0	1
57	Synthesis and application of a highly fluorescent styryl-benzothiadiazole derivative as a chemosensor for ethanol in hydroalcoholic solutions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 271, 120913.	2.0	1
58	Simple Voltammetric Determination of Iron in Ethanol and Biodiesel Using a Bismuth Film Coated Glassy Carbon Electrode. <i>Analytical Letters</i> , 2022, 55, 2325-2346.	1.0	1
59	Micelar-Electrokinetic Chromatography Separation of Nitrogen-Containing Aromatic Compounds in Diesel Prepared as Microemulsion. <i>Brazilian Journal of Analytical Chemistry</i> , 2019, 6, .	0.3	0
60	Determination of Creatinine in Urine by Voltammetry and Glassy Carbon Electrode Modified with Functionalized Multiwalled Carbon Nanotubes and Copper. <i>Electroanalysis</i> , 0, , .	1.5	0