

Jose Costa-Fernandez

List of Publications by Year in descending order

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147
papers

4,983
citations

87888

38
h-index

110387

64
g-index

152
all docs

152
docs citations

152
times ranked

5109
citing authors

#	ARTICLE	IF	CITATIONS
1	Signal amplification strategies for clinical biomarker quantification using elemental mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 53-62.	3.7	4
2	Design and Evaluation of a Competitive Phosphorescent Immunosensor for Aflatoxin M1 Quantification in Milk Samples Using Mn:ZnS Quantum Dots as Antibody Tags. <i>Chemosensors</i> , 2022, 10, 41.	3.6	0
3	Near-Infrared Sensors for Onsite and Noninvasive Quantification of Macronutrients in Breast Milk. <i>Sensors</i> , 2022, 22, 1311.	3.8	6
4	Advances in quantum dots as diagnostic tools. <i>Advances in Clinical Chemistry</i> , 2022, 107, 1-40.	3.7	8
5	Inorganic nanoparticles coupled to nucleic acid enzymes as analytical signal amplification tools. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 5201-5215.	3.7	3
6	Analytical tools for the characterization and quantification of metal nanoclusters. , 2022, , 57-88.		0
7	Exploring quantitative cellular bioimaging and assessment of CdSe/ZnS quantum dots cellular uptake in single cells, using ns-LA-ICP-SFMS. <i>Talanta</i> , 2021, 227, 122162.	5.5	8
8	Optoelectronic Instrumentation and Measurement Strategies for Optical Chemical (Bio)Sensing. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7849.	2.5	3
9	Distributions of mercury and selenium in rats ingesting mercury selenide nanoparticles. <i>Ecotoxicology and Environmental Safety</i> , 2021, 226, 112867.	6.0	10
10	Formation Mechanism and Toxicological Significance of Biogenic Mercury Selenide Nanoparticles in Human Hepatoma HepG2 Cells. <i>Chemical Research in Toxicology</i> , 2021, 34, 2471-2484.	3.3	11
11	Capabilities of asymmetrical flow field " Flow fractionation on-line coupled to different detectors for characterization of water-stabilized quantum dots bioconjugated to biomolecules. <i>Talanta</i> , 2020, 206, 120228.	5.5	10
12	Obtaining information from the brain in a non-invasive way: determination of iron in nasal exudate to differentiate hemorrhagic and ischemic strokes. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020, 58, 847-853.	2.3	9
13	Catalytic Gold Deposition for Ultrasensitive Optical Immunosensing of Prostate Specific Antigen. <i>Sensors</i> , 2020, 20, 5287.	3.8	5
14	Integrated analytical platforms for the comprehensive characterization of bioconjugated inorganic nanomaterials aiming at biological applications. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1518-1529.	3.0	15
15	Assessment of the Potential and Limitations of Elemental Mass Spectrometry in Life Sciences for Absolute Quantification of Biomolecules Using Generic Standards. <i>Analytical Chemistry</i> , 2020, 92, 13500-13508.	6.5	11
16	Portable Instrument for Monitoring Environmental Toxins Using Immobilized Quantum Dots as the Sensing Material. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3246.	2.5	3
17	Quantitative assessment of cellular uptake and differential toxic effects of HgSe nanoparticles in human cells. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1979-1988.	3.0	9
18	Visual detection of microRNA146a by using RNA-functionalized gold nanoparticles. <i>Mikrochimica Acta</i> , 2020, 187, 192.	5.0	16

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19	Electrochemical quantification of Ag ₂ S quantum dots: evaluation of different surface coating ligands for bacteria determination. <i>Mikrochimica Acta</i> , 2020, 187, 169.	5.0	9
20	Quantum Dot Bioconjugates for Diagnostic Applications. <i>Topics in Current Chemistry</i> , 2020, 378, 35.	5.8	36
21	Iron Measured in Nasal Exudate Samples as a New and Useful Biomarker in the Differential Diagnosis of Patients with Acute Stroke. <i>Cerebrovascular Diseases</i> , 2020, 49, 625-631.	1.7	1
22	Critical evaluation of fast and highly resolved elemental distribution in single cells using LA-ICP-SFMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 655-663.	3.0	47
23	Functionalized phosphorescent nanoparticles in (bio)chemical sensing and imaging – A review. <i>Analytica Chimica Acta</i> , 2019, 1046, 16-31.	5.4	49
24	Design of Engineered Cyclodextrin Derivatives for Spontaneous Coating of Highly Porous Metal-Organic Framework Nanoparticles in Aqueous Media. <i>Nanomaterials</i> , 2019, 9, 1103.	4.1	28
25	Carbon Quantum Dots Codoped with Nitrogen and Lanthanides for Multimodal Imaging. <i>Advanced Functional Materials</i> , 2019, 29, 1903884.	14.9	76
26	Simple and rapid electrochemical quantification of water-stabilized HgSe nanoparticles of great concern in environmental studies. <i>Talanta</i> , 2019, 200, 72-77.	5.5	5
27	Community Leaders: Alfredo Sanz-Medel. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 633-635.	3.0	0
28	Quantitative Assessment of Individual Populations Present in Nanoparticle–Antibody Conjugate Mixtures Using AF4-ICP-MS/MS. <i>Analytical Chemistry</i> , 2019, 91, 3567-3574.	6.5	18
29	Near-infrared fluorescent nanoprobe for highly sensitive cyanide quantification in natural waters. <i>Talanta</i> , 2019, 192, 463-470.	5.5	15
30	Advances in absolute protein quantification and quantitative protein mapping using ICP-MS. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 104, 148-159.	11.4	38
31	Phosphorescence (a) Principles and Instrumentation. , 2018, , 284-284.		0
32	Optical Atomic Emission Spectrometry/Flame Photometry. , 2018, , .		1
33	Green synthesis of fluorescent carbon dots from spices for in vitro imaging and tumour cell growth inhibition. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 530-544.	2.8	139
34	Isotopically enriched nanoparticles in combination with mass spectrometry for the assessment of nanoparticle-biomolecule stoichiometries in engineered nanoassemblies. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018, 149, 99-106.	2.9	5
35	Controlling Ligand Surface Density on Streptavidin-Magnetic Particles by a Simple, Rapid, and Reliable Chemiluminescent Test. <i>Bioconjugate Chemistry</i> , 2018, 29, 2646-2653.	3.6	9
36	Capping of Mn-Doped ZnS Quantum Dots with DHLA for Their Stabilization in Aqueous Media: Determination of the Nanoparticle Number Concentration and Surface Ligand Density. <i>Langmuir</i> , 2017, 33, 6333-6341.	3.5	32

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37	Assessment of the removal of side nanoparticulated populations generated during one-pot synthesis by asymmetric flow field-flow fractionation coupled to elemental mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1519, 156-161.	3.7	8
38	Sensitive prostate specific antigen quantification using dihydrolipoic acid surface-functionalized phosphorescent quantum dots. <i>Analytica Chimica Acta</i> , 2017, 987, 118-126.	5.4	17
39	Study of conformational changes and protein aggregation of bovine serum albumin in presence of Sb(III) and Sb(V). <i>PLoS ONE</i> , 2017, 12, e0170869.	2.5	15
40	Highly sensitive nanoparticle-based immunoassays with elemental detection: Application to Prostate-Specific Antigen quantification. <i>Biosensors and Bioelectronics</i> , 2016, 85, 128-134.	10.1	36
41	Elemental Mass Spectrometry for Absolute Intact Protein Quantification without Protein-Specific Standards: Application to Snake Venomics. <i>Analytical Chemistry</i> , 2016, 88, 9699-9706.	6.5	47
42	Improving the analytical performance of a phosphorescent nanosensor by optimizing a ratiometric technique. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 574-581.	7.8	2
43	Mass spectrometry for the characterization and quantification of engineered inorganic nanoparticles. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 84, 139-148.	11.4	46
44	Precise determination of the nanoparticle concentration and ligand density of engineered water-soluble HgSe fluorescent nanoparticles. <i>RSC Advances</i> , 2016, 6, 19964-19972.	3.6	19
45	Determination of the ratio of fluorophore/nanoparticle for fluorescence-labelled nanoparticles. <i>Analyst</i> , 2016, 141, 1266-1272.	3.5	9
46	Voltammetric determination of size and particle concentration of Cd-based quantum dots. <i>Electrochimica Acta</i> , 2015, 166, 100-106.	5.2	19
47	Asymmetric flow field-flow fractionation coupled to inductively coupled plasma mass spectrometry for the quantification of quantum dots bioconjugation efficiency. <i>Journal of Chromatography A</i> , 2015, 1422, 247-252.	3.7	21
48	Sensitive targeted multiple protein quantification based on elemental detection of Quantum Dots. <i>Analytica Chimica Acta</i> , 2015, 879, 77-84.	5.4	25
49	Aqueous synthesis of near-infrared highly fluorescent platinum nanoclusters. <i>Nanotechnology</i> , 2015, 26, 215601.	2.6	15
50	Photoluminescent Nanoparticles for Optical Imaging in Biology and Medicine. <i>Frontiers in Nanobiomedical Research</i> , 2014, , 307-344.	0.1	0
51	Improving pulsed radiofrequency glow discharge for time-of-flight mass spectrometry simultaneous elemental and molecular analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 7431-7443.	3.7	0
52	Mass Spectrometry for the Characterization of Gold Nanoparticles. <i>Comprehensive Analytical Chemistry</i> , 2014, 66, 329-356.	1.3	10
53	A Quantum Dot-Based Immunoassay for Screening of Tetracyclines in Bovine Muscle. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 1733-1740.	5.2	46
54	Elemental ratios for characterization of quantum-dots populations in complex mixtures by asymmetrical flow field-flow fractionation on-line coupled to fluorescence and inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , 2014, 839, 8-13.	5.4	29

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55	Nanostructural transformations of silver nanoclusters occurring during their synthesis and after interaction with UV-light. <i>Materials Research Express</i> , 2014, 1, 015039.	1.6	10
56	A General Perspective of the Characterization and Quantification of Nanoparticles: Imaging, Spectroscopic, and Separation Techniques. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2014, 39, 423-458.	12.3	72
57	The influence of surface coating on the properties of water-soluble CdSe and CdSe/ZnS quantum dots. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	16
58	Room temperature phosphorimetric determination of bromate in flour based on energy transfer. <i>Talanta</i> , 2013, 116, 231-236.	5.5	10
59	Influence of Mn ²⁺ concentration on Mn ²⁺ -doped ZnS quantum dot synthesis: evaluation of the structural and photoluminescent properties. <i>Nanoscale</i> , 2013, 5, 9156.	5.6	62
60	One-step aqueous synthesis of fluorescent copper nanoclusters by direct metal reduction. <i>Nanotechnology</i> , 2013, 24, 495601.	2.6	38
61	Synthesis and characterization of hapten-quantum dots bioconjugates: Application to development of a melamine fluorescentimmunoassay. <i>Talanta</i> , 2013, 106, 243-248.	5.5	13
62	An Overview of Atomic Spectrometric Techniques. <i>Metal Ions in Life Sciences</i> , 2013, , 1-51.	1.0	0
63	Mn-doped ZnS quantum dots for the determination of acetone by phosphorescence attenuation. <i>Analytica Chimica Acta</i> , 2012, 712, 120-126.	5.4	81
64	Immobilization of phosphorescent quantum dots in a sol-gel matrix for acetone sensing. <i>Sensors and Actuators B: Chemical</i> , 2012, 174, 102-108.	7.8	24
65	Elemental and molecular detection for Quantum Dots-based immunoassays: A critical appraisal. <i>Biosensors and Bioelectronics</i> , 2012, 33, 165-171.	10.1	44
66	Reusable phosphorescent probes based on molecularly imprinted polymers for the determination of propranolol in urine. <i>Sensors and Actuators B: Chemical</i> , 2012, 168, 370-375.	7.8	14
67	New integrated elemental and molecular strategies as a diagnostic tool for the quality of water soluble quantum dots and their bioconjugates. <i>Nanoscale</i> , 2011, 3, 954.	5.6	31
68	Plasma-based mass spectrometry for simultaneous acquisition of elemental and molecular information. <i>Analyst</i> , 2011, 136, 246-256.	3.5	16
69	Conjugated Polymer Microspheres for "Turn-Off"/"Turn-On" Fluorescence Optosensing of Inorganic Ions in Aqueous Media. <i>Analytical Chemistry</i> , 2011, 83, 2712-2718.	6.5	45
70	Fluorescent conjugated polymers for chemical and biochemical sensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1513-1525.	11.4	102
71	Development of a quantum dot-based fluorescent immunoassay for progesterone determination in bovine milk. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4753-4759.	10.1	62
72	Dynamic analysis of the photoenhancement process of colloidal quantum dots with different surface modifications. <i>Nanotechnology</i> , 2011, 22, 385703.	2.6	14

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73	Nanoparticles as fluorescent labels for optical imaging and sensing in genomics and proteomics. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 29-42.	3.7	114
74	Quantum dot-based array for sensitive detection of <i>Escherichia coli</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 2755-2762.	3.7	38
75	Elemental ratio determinations and compound-independent calibration using microsecond pulsed glow discharge time-of-flight mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 2771-2777.	3.7	7
76	Present and future of glow discharge " Time of flight mass spectrometry in analytical chemistry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2011, 66, 399-412.	2.9	38
77	Characterization of photoluminescence activation of semiconductor nanoparticles for optical sensors. , 2010, , .		0
78	Inorganic mass spectrometry as a tool for characterisation at the nanoscale. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 15-29.	3.7	55
79	Chemical characterization of engineered nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 951-952.	3.7	19
80	A focus on quantum dots for luminescent bioanalysis. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 1395-1396.	3.7	2
81	Sol-gels doped with polymer-coated ZnS/CdSe quantum dots for the detection of organic vapors. <i>Sensors and Actuators B: Chemical</i> , 2010, 144, 198-202.	7.8	28
82	Gas chromatography coupled to tunable pulsed glow discharge time-of-flight mass spectrometry for environmental analysis. <i>Analyst, The</i> , 2010, 135, 987.	3.5	11
83	Halogenated molecularly imprinted polymers for selective determination of carbaryl by phosphorescence measurements. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 1569-1576.	3.7	11
84	A critical comparison between two different ratiometric techniques for optical luminescence sensing. <i>Sensors and Actuators B: Chemical</i> , 2009, 139, 237-244.	7.8	12
85	Tunable Microsecond-Pulsed Glow Discharge Design for the Simultaneous Acquisition of Elemental and Molecular Chemical Information Using a Time-of-Flight Mass Spectrometer. <i>Analytical Chemistry</i> , 2009, 81, 2591-2599.	6.5	24
86	Elemental mass spectrometry: a powerful tool for an accurate characterisation at elemental level of quantum dots. <i>Chemical Communications</i> , 2009, , 3107.	4.1	41
87	Entrapment of quantum dots in sol-gel matrices to develop sensing material based on fluorescence resonance energy transfer. <i>Chemical Communications</i> , 2009, , 5454.	4.1	10
88	Chapter 1. A General Overview of Atomic Spectrometric Techniques. <i>Metal Ions in Life Sciences</i> , 2009, , 1-50.	1.0	0
89	Bromine determination in polymers by inductively coupled plasma-mass spectrometry and its potential for fast first screening of brominated flame retardants in polymers and paintings. <i>Analytica Chimica Acta</i> , 2008, 623, 140-145.	5.4	22
90	Simple bio-conjugation of polymer-coated quantum dots with antibodies for fluorescence-based immunoassays. <i>Analyst, The</i> , 2008, 133, 444.	3.5	46

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91	Measurement of Polycyclic Aromatic Hydrocarbons by using Molecularly Imprinted Polymers. , 2008, , .		1
92	Ratiometric Methods For Optical Fiber Instrumentation Based On Luminescence Sensors. , 2008, , .		1
93	Direct and rapid discrimination of aflatoxigenic strains based on fibre-optic room temperature phosphorescence detection. Analyst, The, 2007, 132, 307-313.	3.5	9
94	Bioanalytics and biolabeling with semiconductor nanoparticles (quantum dots). Journal of Materials Chemistry, 2007, 17, 1343-1346.	6.7	108
95	Room temperature phosphorescence optosensing of benzo[a]pyrene in water using halogenated molecularly imprinted polymers. Analyst, The, 2007, 132, 218-223.	3.5	67
96	Direct screening of tetracyclines in water and bovine milk using room temperature phosphorescence detection. Analytica Chimica Acta, 2007, 589, 51-58.	5.4	53
97	A molecularly imprinted polymer for carbaryl determination in water. Sensors and Actuators B: Chemical, 2007, 123, 798-804.	7.8	78
98	Quantification of bromine in flame-retardant coatings by radiofrequency glow dischargeâ€“optical emission spectrometry. Analytical and Bioanalytical Chemistry, 2007, 389, 683-690.	3.7	11
99	Solid-supported room temperature phosphorescence from aflatoxins for analytical detection of Aspergillus spp. strains. Analyst, The, 2006, 131, 785-787.	3.5	5
100	A ratiometric approach for pH optosensing with a single fluorophore indicator. Analytica Chimica Acta, 2006, 562, 197-203.	5.4	24
101	Determination of phosphorescence lifetimes in the presence of high background signals using phase-shift measurements. Sensors and Actuators B: Chemical, 2006, 113, 249-258.	7.8	18
102	Luminescent ratiometric method in the frequency domain with dual phase-shift measurements: Application to oxygen sensing. Sensors and Actuators B: Chemical, 2006, 117, 266-273.	7.8	26
103	The use of luminescent quantum dots for optical sensing. TrAC - Trends in Analytical Chemistry, 2006, 25, 207-218.	11.4	486
104	Room-temperature phosphorescence (RTP) for optical sensing. TrAC - Trends in Analytical Chemistry, 2006, 25, 958-967.	11.4	129
105	Optical sensors based on luminescent quantum dots. Analytical and Bioanalytical Chemistry, 2006, 384, 37-40.	3.7	54
106	Design of a Low-Cost Optical Instrument for pH Fluorescence Measurements. IEEE Transactions on Instrumentation and Measurement, 2006, 55, 1215-1221.	4.7	24
107	Tailoring the pH response range of fluorescent-based pH sensing phases by solâ€“gel surfactants co-immobilization. Sensors and Actuators B: Chemical, 2005, 107, 69-76.	7.8	39
108	Surface-modified CdSe quantum dots for the sensitive and selective determination of Cu(II) in aqueous solutions by luminescent measurements. Analytica Chimica Acta, 2005, 549, 20-25.	5.4	191

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109	Iodinated molecularly imprinted polymer for room temperature phosphorescence optosensing of fluoranthene. <i>Chemical Communications</i> , 2005, , 3224.	4.1	30
110	Photoactivated luminescent CdSe quantum dots as sensitive cyanide probes in aqueous solutions. <i>Chemical Communications</i> , 2005, , 883-885.	4.1	294
111	Flow-through optosensing of 1-naphthaleneacetic acid in water and apples by heavy atom induced "room temperature phosphorescence measurements. <i>Talanta</i> , 2005, 66, 696-702.	5.5	17
112	Dual emission probe for luminescence oxygen sensing: a critical comparison between intensity, lifetime and ratiometric measurements. <i>Talanta</i> , 2005, 66, 611-618.	5.5	38
113	Molecularly Imprinted Polymers Based on Iodinated Monomers for Selective Room-Temperature Phosphorescence Optosensing of Fluoranthene in Water. <i>Analytical Chemistry</i> , 2005, 77, 7005-7011.	6.5	53
114	Radiofrequency glow-discharge devices for direct solid analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 379, 17-29.	3.7	33
115	Analytical Spectroscopy at the Colloquium Spectroscopicum Internationale XXXIII, 7-12 September 2003, Granada, Spain. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 379, 12-14.	3.7	0
116	A radiofrequency glow-discharge-time-of-flight mass spectrometer for direct analysis of glasses. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 379, 658-67.	3.7	23
117	Heavy atom induced room temperature phosphorescence: a tool for the analytical characterization of polycyclic aromatic hydrocarbons. <i>Analytica Chimica Acta</i> , 2004, 516, 213-220.	5.4	36
118	Surface-modified CdSe quantum dots as luminescent probes for cyanide determination. <i>Analytica Chimica Acta</i> , 2004, 522, 1-8.	5.4	168
119	Flow-through solid-phase energy transfer-room temperature phosphorescence for orthophosphate determinations at trace levels. <i>Talanta</i> , 2004, 62, 827-833.	5.5	14
120	Flow injection determination of nitrite by fluorescence quenching. <i>Talanta</i> , 2004, 62, 991-995.	5.5	24
121	Fluorescence optosensors based on different transducers for the determination of polycyclic aromatic hydrocarbons in water. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 377, 614-623.	3.7	24
122	Energy transfer "room temperature phosphorescence for the optosensing of transition metal ions. <i>Analytica Chimica Acta</i> , 2003, 486, 1-10.	5.4	10
123	Room temperature phosphorimetric determination of cyanide based on triplet state energy transfer. <i>Analytica Chimica Acta</i> , 2003, 491, 27-35.	5.4	15
124	Analytical potential of a glow discharge chamber coupled to a time of flight mass spectrometer for qualitative in-depth profile analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 612-617.	3.0	17
125	Quantitative depth profile analysis by direct current glow discharge time of flight mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 864-871.	3.0	22
126	Critical comparison between quadrupole and time-of-flight inductively coupled plasma mass spectrometers for isotope ratio measurements in elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 950-957.	3.0	40

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127	Development of a Prototype Instrument for Multiposition Sensing of Dissolved Oxygen by Using Room-Temperature Phosphorescence Measurements. <i>Applied Spectroscopy</i> , 2002, 56, 947-951.	2.2	4
128	Characterization of a simple glow discharge coupled to a time of flight mass spectrometer for in-depth profile analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 1126-1131.	3.0	19
129	Further development of a simple glow discharge source for direct solid analysis by on-axis time of flight mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 786-789.	3.0	23
130	Spectrafluorimetric method for the rapid screening of toxic heavy metals in water samples. <i>Analytica Chimica Acta</i> , 2002, 451, 203-210.	5.4	30
131	Determination of trace levels of mercury in water samples based on room temperature phosphorescence energy transfer. <i>Analytica Chimica Acta</i> , 2002, 455, 179-186.	5.4	31
132	Title is missing!. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 1253-1258.	3.0	29
133	Determination of lead and mercury in sea water by preconcentration in a flow injection system followed by atomic absorption spectrometry detection. <i>Talanta</i> , 2001, 55, 1071-1078.	5.5	57
134	Room temperature phosphorescence pH optosensor based on energy transfer. <i>Analytica Chimica Acta</i> , 2001, 431, 1-9.	5.4	22
135	Room-temperature phosphorescence fiber-optic instrumentation for simultaneous multiposition analysis of dissolved oxygen. <i>Analytica Chimica Acta</i> , 2001, 429, 55-64.	5.4	12
136	Fluorimetric method for the determination of trace levels of mercury in sea water using 6-mercaptopurine. <i>Analytica Chimica Acta</i> , 2000, 419, 33-40.	5.4	29
137	Air moisture sensing materials based on the room temperature phosphorescence quenching of immobilized mercurochrome. <i>Analytica Chimica Acta</i> , 2000, 407, 61-69.	5.4	33
138	Time-of-flight mass spectrometry as a tool for speciation analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2000, 55, 767-778.	2.9	38
139	Portable Fibre Optic Oxygen Sensor Based on Room-Temperature Phosphorescence Lifetime. <i>Mikrochimica Acta</i> , 2000, 134, 145-152.	5.0	13
140	Rapid simultaneous multielemental speciation by capillary electrophoresis coupled to inductively coupled plasma time-of-flight mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 1063-1067.	3.0	59
141	Flow-through room temperature phosphorescence optosensing for the determination of lead in sea water. <i>Analytica Chimica Acta</i> , 1999, 395, 1-9.	5.4	23
142	Low-level mercury determination with thiamine by fluorescence optosensing. <i>Talanta</i> , 1999, 49, 907-913.	5.5	39
143	Sol-gel immobilized room-temperature phosphorescent metal-chelate as luminescent oxygen sensing material. <i>Analytica Chimica Acta</i> , 1998, 360, 17-26.	5.4	59
144	A critical comparison of different solid supports to develop room-temperature phosphorescence sensing phases of air moisture. <i>Sensors and Actuators B: Chemical</i> , 1997, 38, 103-109.	7.8	23

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145	Direct coupling of high-performance liquid chromatography to microwave-induced plasma atomic emission spectrometry via volatile-species generation and its application to mercury and arsenic speciation. Journal of Analytical Atomic Spectrometry, 1995, 10, 1019-1025.	3.0	91
146	Effect of plasma pressure on the determination of mercury by microwave-induced plasma atomic emission spectrometry. Journal of Analytical Atomic Spectrometry, 1995, 10, 649-653.	3.0	22
147	A time domain error measure for resampled irregular data. , 0, , .		7