

Joaquim C G Esteves Da Silva

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

285
papers

6,582
citations

40
h-index

66
g-index

301
ext. papers

7,435
ext. citations

4.5
avg, IF

6.43
L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 285 | Determination of Physicochemical Water Quality of the Ghis-Nekor Aquifer (Al Hoceima, Morocco) Using Hydrochemistry, Multiple Isotopic Tracers, and the Geographical Information System (GIS). <i>Water (Switzerland)</i> , 2022 , 14, 606 | 3 | 1 |
| 284 | Rationalizing the role of electron/charge transfer in the intramolecular chemiexcitation of dioxetanone-based chemi-/bioluminescent systems. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022 , 429, 113904 | 4.7 | 1 |
| 283 | Optimal Design Approach Applied to Headspace GC for the Monitoring of Diacetyl Concentration, Spectrophotometric Assessment of Phenolic Compounds and Antioxidant Potential in Different Fermentation Processes of Barley. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 37 | 2.6 | 1 |
| 282 | Life Cycle Assessment-Based Comparative Study between High-Yield and Standard Bottom-Up Procedures for the Fabrication of Carbon Dots. <i>Materials</i> , 2022 , 15, 3446 | 3.5 | 0 |
| 281 | Development of a Coelenterazine Derivative with Enhanced Superoxide Anion-Triggered Chemiluminescence in Aqueous Solution. <i>Chemosensors</i> , 2022 , 10, 174 | 4 | 0 |
| 280 | Profiling the Volatile and Non-Volatile Compounds along with the Antioxidant Properties of Malted Barley. <i>Separations</i> , 2022 , 9, 119 | 3.1 | 0 |
| 279 | Photocatalytic removal of pharmaceutical water pollutants by TiO ₂ -Carbon dots nanocomposites: A review.. <i>Chemosphere</i> , 2022 , 301, 134731 | 8.4 | 2 |
| 278 | Phytochemical Composition, Antioxidant and Antifungal Activity of <i>Thymus capitatus</i> , a Medicinal Plant Collected from Northern Morocco. <i>Antibiotics</i> , 2022 , 11, 681 | 4.9 | 4 |
| 277 | Chemical composition and antioxidant and antimicrobial activities of <i>Lactarius sanguifluus</i> , a wild edible mushroom from northern Morocco. <i>Euro-Mediterranean Journal for Environmental Integration</i> , 2021 , 6, 1 | 1.7 | 4 |
| 276 | Chemical Composition, Bioactive Compounds, and Antioxidant Activity of Two Wild Edible Mushrooms and from Two Countries (Morocco and Portugal). <i>Biomolecules</i> , 2021 , 11, | 5.9 | 14 |
| 275 | Dye Removal from Colored Textile Wastewater Using Seeds and Biochar of Barley (<i>Hordeum vulgare</i> L.). <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5125 | 2.6 | 5 |
| 274 | Assessment of colloidal NaGdF ₄ :Er ³⁺ /Yb ³⁺ upconversion phosphor as contrast enhancer for optical coherence tomography. <i>Journal of Alloys and Compounds</i> , 2021 , 865, 158737 | 5.7 | 2 |
| 273 | Comparative life cycle assessment of high-yield synthesis routes for carbon dots.. <i>NanoImpact</i> , 2021 , 23, 100332 | 5.6 | 6 |
| 272 | Preparation, characterization, and photocatalytic activity under UV and visible light of Co, Mn, and Ni mono-doped and (P,Mo) and (P,W) co-doped TiO ₂ nanoparticles: a comparative study. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 25130-25145 | 5.1 | 12 |
| 271 | Elucidation of the photocatalytic degradation mechanism of an azo dye under visible light in the presence of cobalt doped TiO ₂ nanomaterials. <i>Chemosphere</i> , 2021 , 266, 128931 | 8.4 | 22 |
| 270 | Normal breast epithelial MCF-10A cells to evaluate the safety of carbon dots. <i>RSC Medicinal Chemistry</i> , 2021 , 12, 245-253 | 3.5 | 3 |
| 269 | Degradation studies of UV filter hexyl 2-[4-(diethylamino)-2-hydroxybenzoyl]-benzoate (DHBB) in aqueous solution. <i>Journal of Contaminant Hydrology</i> , 2021 , 236, 103740 | 3.9 | 0 |

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| 268 | Three-way calibration using PARAFAC and MCR-ALS with previous synchronization of second-order chromatographic data through a new functional alignment of pure vectors for the quantification in the presence of retention time shifts in peak position and shape. <i>Analytica Chimica Acta</i> , 2021 , 1146, 98-108 | 6.6 | 4 |
| 267 | Advanced Oxidation Processes Coupled with Nanomaterials for Water Treatment. <i>Nanomaterials</i> , 2021 , 11, | 5.4 | 8 |
| 266 | Target-Oriented Synthesis of Marine Coelenterazine Derivatives with Anticancer Activity by Applying the Heavy-Atom Effect. <i>Biomedicines</i> , 2021 , 9, | 4.8 | 1 |
| 265 | Turning Spent Coffee Grounds into Sustainable Precursors for the Fabrication of Carbon Dots. <i>Nanomaterials</i> , 2020 , 10, | 5.4 | 14 |
| 264 | Life Cycle Assessment of the Sustainability of Enhancing the Photodegradation Activity of TiO with Metal-Doping. <i>Materials</i> , 2020 , 13, | 3.5 | 11 |
| 263 | Evaluation of Different Bottom-up Routes for the Fabrication of Carbon Dots. <i>Nanomaterials</i> , 2020 , 10, | 5.4 | 25 |
| 262 | Synthesis and physicochemical characterization of a ZnO-Chitosan hybrid-biocomposite used as an environmentally friendly photocatalyst under UV-A and visible light irradiations. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104260 | 6.8 | 6 |
| 261 | Comparative life cycle assessment of bottom-up synthesis routes for carbon dots derived from citric acid and urea. <i>Journal of Cleaner Production</i> , 2020 , 254, 120080 | 10.3 | 23 |
| 260 | Evaluation of the Environmental Impact and Efficiency of N-Doping Strategies in the Synthesis of Carbon Dots. <i>Materials</i> , 2020 , 13, | 3.5 | 19 |
| 259 | Simultaneous Determination of Medicinal Drugs with Overlapping Profiles Contained in Low Chromatographic Resolution Data using HPLC-DAD and Multivariate Curve Resolution. <i>Current Analytical Chemistry</i> , 2020 , 16, 843-853 | 1.7 | 4 |
| 258 | Structural coloration based on photonic crystals for coating applications on wood. <i>European Journal of Wood and Wood Products</i> , 2020 , 78, 293-300 | 2.1 | 6 |
| 257 | At-line monitoring of salification process of the antiretroviral lamivudine-saccharinate salt using FT-MIR spectroscopy with multivariate curve resolution. <i>Vibrational Spectroscopy</i> , 2020 , 106, 102992 | 2.1 | 2 |
| 256 | Modelling the absorption spectra of polycyclic aromatic hydrocarbons over Seoul, South Korea. <i>Environmental Technology and Innovation</i> , 2020 , 17, 100536 | 7 | 1 |
| 255 | COVID-19 Pandemic Consequences on Coastal Water Quality Using WST Sentinel-3 Data: Case of Tangier, Morocco. <i>Water (Switzerland)</i> , 2020 , 12, 2638 | 3 | 23 |
| 254 | Synthesis of NaGdF ₄ :Er ³⁺ /Yb ³⁺ Upconversion Particles as Exogenous Contrast Agent for Swept-Source Optical Coherence Tomography: In Vitro Animal Tissue Imaging. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 18366-18378 | 3.8 | 6 |
| 253 | Hypochlorite fluorescence sensing by phenylboronic acid-alizarin adduct based carbon dots. <i>Talanta</i> , 2020 , 208, 120447 | 6.2 | 18 |
| 252 | 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. <i>Analytical Methods</i> , 2020 , 12, 2407-2421 | 3.2 | 4 |
| 251 | Fate and behaviour of acetaminophen, 17 β -ethynylestradiol and carbamazepine in aqueous solution. <i>Water Science and Technology</i> , 2020 , 81, 395-409 | 2.2 | |

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| 250 | Study of the Combination of Self-Activating Photodynamic Therapy and Chemotherapy for Cancer Treatment. <i>Biomolecules</i> , 2019 , 9, | 5.9 | 14 |
| 249 | Molecular vibration assisted triplet-triplet annihilation nir-upconversion luminescence of fluorescein. <i>Optical Materials</i> , 2019 , 96, 109286 | 3.3 | 1 |
| 248 | Single-molecule chemiluminescent photosensitizer for a self-activating and tumor-selective photodynamic therapy of cancer. <i>European Journal of Medicinal Chemistry</i> , 2019 , 183, 111683 | 6.8 | 13 |
| 247 | Insight into the hybrid luminescence showed by carbon dots and molecular fluorophores in solution. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 20919-20926 | 3.6 | 26 |
| 246 | A review on advanced oxidation processes: From classical to new perspectives coupled to two- and multi-way calibration strategies to monitor degradation of contaminants in environmental samples. <i>Trends in Environmental Analytical Chemistry</i> , 2019 , 24, e00072 | 12 | 39 |
| 245 | Infrared interceded YF ₃ : Er ³⁺ /Yb ³⁺ upconversion phosphor for crime scene and anti-counterfeiting applications. <i>Optical Materials</i> , 2019 , 92, 347-351 | 3.3 | 15 |
| 244 | Thermal decomposition mediated Er ³⁺ /Yb ³⁺ codoped NaGdF ₄ upconversion phosphor for optical thermometry. <i>Materials Research Express</i> , 2019 , 6, 086211 | 1.7 | 8 |
| 243 | At-line green synthesis monitoring of new pharmaceutical co-crystals lamivudine:theophylline polymorph I and II, quantification of polymorph I among its APIs using FT-IR spectroscopy and MCR-ALS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 169, 235-244 | 3.5 | 8 |
| 242 | Glucose Sensing by Fluorescent Nanomaterials. <i>Critical Reviews in Analytical Chemistry</i> , 2019 , 49, 542-553. | 3.2 | 20 |
| 241 | Multifunctional applications of NaGdF ₄ :Ho ³⁺ /Yb ³⁺ up-conversion phosphor synthesized via two different routes: a comparative study. <i>Materials Research Express</i> , 2019 , 6, 106201 | 1.7 | 4 |
| 240 | Synthesis of Fe- and Co-Doped TiO with Improved Photocatalytic Activity Under Visible Irradiation Toward Carbamazepine Degradation. <i>Materials</i> , 2019 , 12, | 3.5 | 54 |
| 239 | Environmental fate and behaviour of benzophenone-8 in aqueous solution. <i>Environmental Technology and Innovation</i> , 2019 , 13, 48-61 | 7 | 2 |
| 238 | Improvement in upconversion/downshifting luminescence of Gd ₂ O ₃ :Ho ³⁺ /Yb ³⁺ phosphor through Ca ²⁺ / Zn ²⁺ incorporation and optical thermometry studies. <i>Materials Research Bulletin</i> , 2019 , 112, 28-37 | 5.1 | 26 |
| 237 | Comparative study of the chemiluminescence of coelenterazine, coelenterazine-e and Cypridina luciferin with an experimental and theoretical approach. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019 , 190, 21-31 | 6.7 | 13 |
| 236 | 3-Hydroxyphenylboronic Acid-Based Carbon Dot Sensors for Fructose Sensing. <i>Journal of Fluorescence</i> , 2019 , 29, 265-270 | 2.4 | 14 |
| 235 | P-doped carbon nano-powders for fingerprint imaging. <i>Talanta</i> , 2019 , 194, 150-157 | 6.2 | 17 |
| 234 | Magnetic tuning in upconversion emission enhanced through Ag ⁺ ions co-doped in GdF ₃ : Ho ³⁺ /Yb ³⁺ phosphor and a real-time temperature sensing demonstration. <i>Journal of Alloys and Compounds</i> , 2019 , 776, 207-214 | 5.7 | 16 |
| 233 | Enhanced Excited-State Proton Transfer via a Mixed Methanol-Water Molecular Bridge of 1-Naphthol-3,6-disulfonate in Methanol-Water Mixtures. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 48-58 | 3.8 | 6 |

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| 232 | Experimental Design Optimization of Dairy Wastewater Ozonation Treatment. <i>Water, Air, and Soil Pollution</i> , 2018 , 229, 1 | 2.6 | 5 |
| 231 | Excited-State Proton Transfer of Phenol Cyanine Picolinium Photoacid. <i>ACS Omega</i> , 2018 , 3, 2058-2073 | 3.9 | 5 |
| 230 | Study of coelenterazine luminescence: Electrostatic interactions as the controlling factor for efficient chemiexcitation. <i>Journal of Luminescence</i> , 2018 , 199, 339-347 | 3.8 | 13 |
| 229 | Enhanced Excited-State Proton Transfer via a Mixed Water-Methanol Molecular Bridge of 1-Naphthol-5-Sulfonate in Methanol-Water Mixtures. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 4704-4716 | 2.8 | 10 |
| 228 | Combined experimental and theoretical study of Coelenterazine chemiluminescence in aqueous solution. <i>Journal of Luminescence</i> , 2018 , 194, 139-145 | 3.8 | 8 |
| 227 | Role of Ca ²⁺ co-dopants on structural and optical properties of YF ₃ :Tm ³⁺ /Yb ³⁺ upconversion phosphor for improved optical thermometry. <i>Sensors and Actuators A: Physical</i> , 2018 , 280, 179-187 | 3.9 | 16 |
| 226 | Excited-State Proton Transfer from the Photoacid 2-Naphthol-8-sulfonate to Acetonitrile/Water Mixtures. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 6166-6175 | 2.8 | 14 |
| 225 | Security writing application of thermal decomposition assisted NaYF ₄ :Er ³⁺ /Yb ³⁺ upconversion phosphor. <i>Laser Physics Letters</i> , 2018 , 15, 075901 | 1.5 | 12 |
| 224 | Geocological evaluation of local surroundings for the purposes of recreational tourism. <i>Journal of the Geographical Institute Jovan Cvijic SASA</i> , 2018 , 68, 215-231 | 1.2 | 6 |
| 223 | Excited-State Proton Transfer to HO in Mixtures of CHCN-HO of a Superphotoacid, Chlorobenzoate Phenol Cyanine Picolinium (CBCyP). <i>Journal of Physical Chemistry A</i> , 2018 , 122, 8126-8135 | 2.8 | 1 |
| 222 | Effect of pH of Precursor on Up/Downconversion and Cathodoluminescence of Gd ₂ O ₃ :Ho ³⁺ /Yb ³⁺ Phosphor and Magneto-Optic Studies. <i>ChemistrySelect</i> , 2018 , 3, 10566-10573 | 1.8 | 6 |
| 221 | Sulfur and nitrogen co-doped carbon dots sensors for nitric oxide fluorescence quantification. <i>Analytica Chimica Acta</i> , 2017 , 960, 117-122 | 6.6 | 34 |
| 220 | Combined experimental and theoretical study of the photochemistry of 4- and 3-hydroxycoumarin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 338, 23-36 | 4.7 | 11 |
| 219 | Thermo-responsive microgels based on encapsulated carbon quantum dots. <i>New Journal of Chemistry</i> , 2017 , 41, 4835-4842 | 3.6 | 13 |
| 218 | Effect of O and NO atmospheric pollutants on Platanus x acerifolia pollen: Immunochemical and spectroscopic analysis. <i>Science of the Total Environment</i> , 2017 , 599-600, 291-297 | 10.2 | 20 |
| 217 | Fate and behaviour of the UV filter 3-methylbutyl-(2E)-3-(4-methoxyphenyl)-acrylate (IMC) in aqueous solution. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 2469-2479 | 6.8 | 1 |
| 216 | Theoretical modulation of singlet/triplet chemiexcitation of chemiluminescent imidazopyrazinone dioxetanone via C-substitution. <i>Photochemical and Photobiological Sciences</i> , 2017 , 16, 897-907 | 4.2 | 15 |
| 215 | Carbon footprint of the insulation cork board. <i>Journal of Cleaner Production</i> , 2017 , 143, 925-932 | 10.3 | 32 |

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| 214 | Theoretical Analysis of the Effect Provoked by Bromine-Addition on the Thermolysis and Chemiexcitation of a Model Dioxetanone. <i>Journal of Chemistry</i> , 2017 , 2017, 1-8 | 2.3 | |
| 213 | Density Functional Theory Calculation of the Absorption Properties of Brown Carbon Chromophores Generated by Catechol Heterogeneous Ozonolysis. <i>ACS Earth and Space Chemistry</i> , 2017 , 1, 353-360 | 3.2 | 16 |
| 212 | Mechanistic Insight into Cypridina Bioluminescence with a Combined Experimental and Theoretical Chemiluminescent Approach. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 7862-7871 | 3.4 | 17 |
| 211 | A Computational Investigation of the Equilibrium Constants for the Fluorescent and Chemiluminescent States of Coelenteramide. <i>ChemPhysChem</i> , 2017 , 18, 117-123 | 3.2 | 16 |
| 210 | Carbon dots coated with vitamin B12 as selective ratiometric nanosensor for phenolic carbofuran. <i>Sensors and Actuators B: Chemical</i> , 2017 , 239, 553-561 | 8.5 | 38 |
| 209 | Theoretical characterization of the chemical bonds of some three-membered ring compounds through QTAIM theory. <i>Structural Chemistry</i> , 2016 , 27, 663-670 | 1.8 | 7 |
| 208 | Characterization of cellulose membranes modified with luminescent silicon quantum dots nanoparticles. <i>Carbohydrate Polymers</i> , 2016 , 151, 939-946 | 10.3 | 11 |
| 207 | Excited-State Proton Transfer and Formation of the Excited Tautomer of 3-Hydroxypyridine-Dipicolinium Cyanine Dye. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 6184-99 | 2.8 | 3 |
| 206 | Carbon dots on based folic acid coated with PAMAM dendrimer as platform for Pt(IV) detection. <i>Journal of Colloid and Interface Science</i> , 2016 , 465, 165-73 | 9.3 | 42 |
| 205 | Carbon Nanomaterials for Tumor Targeting Theranostics 2016 , 229-250 | | |
| 204 | DMABI tripod structures with sensing capabilities: synthesis, characterization and fluorescence analysis. <i>New Journal of Chemistry</i> , 2016 , 40, 2393-2400 | 3.6 | 2 |
| 203 | Carbon dots prepared from citric acid and urea as fluorescent probes for hypochlorite and peroxyxynitrite. <i>Mikrochimica Acta</i> , 2016 , 183, 1769-1777 | 5.8 | 88 |
| 202 | A theoretical study of the strong interactions between carbon dioxide and OH ⁺ and NH ₂ ⁺ products resulting from protonation of 1,2-dioxirane-3-one and 1,2-oxaziridine-3-one, respectively. <i>Structural Chemistry</i> , 2016 , 27, 1743-1751 | 1.8 | 5 |
| 201 | Chemiluminescence and Bioluminescence as an Excitation Source in the Photodynamic Therapy of Cancer: A Critical Review. <i>ChemPhysChem</i> , 2016 , 17, 2286-94 | 3.2 | 59 |
| 200 | Carbon dots as fluorescent sensor for detection of explosive nitrocompounds. <i>Carbon</i> , 2016 , 106, 171-178 | 10.4 | 93 |
| 199 | Comparison of the Photoprotolytic Processes of Three 7-Hydroxycoumarins. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 10297-10310 | 3.4 | 13 |
| 198 | Interstate Crossing-Induced Chemiexcitation Mechanism as the Basis for Imidazopyrazinone Bioluminescence. <i>ChemistrySelect</i> , 2016 , 1, 3343-3356 | 1.8 | 16 |
| 197 | Effects of CO ₂ on Acer negundo pollen fertility, protein content, allergenic properties, and carbohydrates. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 6904-11 | 5.1 | 5 |

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|-----|---|-----|----|
| 196 | Fluorescent chemosensor for pyridine based on N-doped carbon dots. <i>Journal of Colloid and Interface Science</i> , 2015 , 458, 209-16 | 9.3 | 48 |
| 195 | Fluorescent sensor for Cr(VI) based in functionalized silicon quantum dots with dendrimers. <i>Talanta</i> , 2015 , 144, 862-7 | 6.2 | 38 |
| 194 | An Optimized Firefly Luciferase Bioluminescent Assay for the Analysis of Free Fatty Acids. <i>Photochemistry and Photobiology</i> , 2015 , 91, 980-4 | 3.6 | 3 |
| 193 | Protonated heterocyclic derivatives of cyclopropane and cyclopropanone: classical species, alternate sites, and ring fragmentation. <i>Canadian Journal of Chemistry</i> , 2015 , 93, 708-714 | 0.9 | 5 |
| 192 | Peroxynitrite and nitric oxide fluorescence sensing by ethylenediamine doped carbon dots. <i>Sensors and Actuators B: Chemical</i> , 2015 , 220, 1043-1049 | 8.5 | 24 |
| 191 | Degradation in chlorinated water of the UV filter 4-tert-butyl-4'-methoxydibenzoylmethane present in commercial sunscreens. <i>Environmental Technology (United Kingdom)</i> , 2015 , 36, 1319-26 | 2.6 | 20 |
| 190 | A theoretical study of the UV absorption of 4-methylbenzylidene camphor: from the UVB to the UVA region. <i>Photochemical and Photobiological Sciences</i> , 2015 , 14, 465-72 | 4.2 | 6 |
| 189 | ZnS:Mn nanoparticles functionalized by PAMAM-OH dendrimer based fluorescence ratiometric probe for cadmium. <i>Talanta</i> , 2015 , 134, 317-324 | 6.2 | 9 |
| 188 | Microwave-assisted synthesis of carbon dots and its potential as analysis of four heterocyclic aromatic amines. <i>Talanta</i> , 2015 , 132, 845-50 | 6.2 | 49 |
| 187 | Theoretical study of the nontraditional enol-based photoacidity of firefly oxyluciferin. <i>ChemPhysChem</i> , 2015 , 16, 455-64 | 3.2 | 16 |
| 186 | Effects of atmospheric pollutants (CO, O ₃ , SO ₂) on the allergenicity of <i>Betula pendula</i> , <i>Ostrya carpinifolia</i> , and <i>Carpinus betulus</i> pollen. <i>International Journal of Environmental Health Research</i> , 2015 , 25, 312-21 | 3.6 | 17 |
| 185 | Gas-phase thermochemical properties of some tri-substituted phenols: A density functional theory study. <i>Journal of Chemical Thermodynamics</i> , 2015 , 80, 65-72 | 2.9 | 5 |
| 184 | Theoretical characterization of molecular complexes formed between triplet vinyl nitrene and Lewis acids. <i>Structural Chemistry</i> , 2015 , 26, 565-571 | 1.8 | 2 |
| 183 | Recent Applications of Magnesium Chemical Sensors in Biological Samples. <i>Critical Reviews in Analytical Chemistry</i> , 2015 , 45, 32-40 | 5.2 | 7 |
| 182 | Chemical excitation induced proton transfer: enolate oxyluciferin as the firefly bioluminophore. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 2140-8 | 3.4 | 25 |
| 181 | Three-membered ring amides: a calculational and conceptual study of the structure and energetics of 1,2-oxaziridine-3-one and aziridine-2,3-dione. <i>Canadian Journal of Chemistry</i> , 2015 , 93, 406-413 | 0.9 | 6 |
| 180 | Theoretical analysis of the binding of potential inhibitors to protein kinases MK2 and MK3. <i>Medicinal Chemistry</i> , 2015 , 11, 573-9 | 1.8 | 4 |
| 179 | In vitro exposure of <i>Ostrya carpinifolia</i> and <i>Carpinus betulus</i> pollen to atmospheric levels of CO, O ₃ and SO ₂ . <i>Environmental Science and Pollution Research</i> , 2014 , 21, 2256-2262 | 5.1 | 7 |

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| 178 | Effect of air pollutant NO ₂ on <i>Betula pendula</i> , <i>Ostrya carpinifolia</i> and <i>Carpinus betulus</i> pollen fertility and human allergenicity. <i>Environmental Pollution</i> , 2014 , 186, 50-5 | 9.3 | 38 |
| 177 | Structural and electronic characterization of a <i>Fridericia heliota</i> luciferin-related derivative, based on quantum chemistry. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014 , 288, 46-54 | 4.7 | |
| 176 | Anthocyanin profile and antioxidant capacity of black carrots (<i>Daucus carota</i> L. ssp. <i>sativus</i> var. <i>atrorubens</i> Alef.) from Cuevas Bajas, Spain. <i>Journal of Food Composition and Analysis</i> , 2014 , 33, 71-76 | 4.1 | 110 |
| 175 | A computational study of the structure, aromaticity and enthalpy of formation of UVA filter 4-tert-butyl-4'-methoxydibenzoylmethane. <i>Computational and Theoretical Chemistry</i> , 2014 , 1038, 6-16 | 2 | 1 |
| 174 | UV filter 2-ethylhexyl 4-methoxycinnamate: a structure, energetic and UV-Vis spectral analysis based on density functional theory. <i>Journal of Physical Organic Chemistry</i> , 2014 , 27, 47-56 | 2.1 | 20 |
| 173 | AsLn2, a luciferin-related modified tripeptide from the bioluminescent earthworm <i>Fridericia heliota</i> . <i>Tetrahedron Letters</i> , 2014 , 55, 463-465 | 2 | 10 |
| 172 | CompX, a luciferin-related tyrosine derivative from the bioluminescent earthworm <i>Fridericia heliota</i> . Structure elucidation and total synthesis. <i>Tetrahedron Letters</i> , 2014 , 55, 460-462 | 2 | 11 |
| 171 | Thermochemistry of organic azides revisited. <i>Thermochimica Acta</i> , 2014 , 597, 78-84 | 2.9 | 11 |
| 170 | A nitric oxide quantitative assay by a glyceraldehyde 3-phosphate dehydrogenase/phosphoglycerate kinase/firefly luciferase optimized coupled bioluminescent assay. <i>Analytical Methods</i> , 2014 , 6, 3741-3750 | 3.2 | 1 |
| 169 | Changes in the IgE-reacting protein profiles of <i>Acer negundo</i> , <i>Platanus x acerifolia</i> and <i>Quercus robur</i> pollen in response to ozone treatment. <i>International Journal of Environmental Health Research</i> , 2014 , 24, 515-27 | 3.6 | 13 |
| 168 | Carbon dots obtained using hydrothermal treatment of formaldehyde. Cell imaging in vitro. <i>Nanoscale</i> , 2014 , 6, 9071-7 | 7.7 | 71 |
| 167 | Photodegradation of avobenzone: stabilization effect of antioxidants. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014 , 140, 36-40 | 6.7 | 99 |
| 166 | Study of the transformation of two salicylates used in personal care products in chlorinated water. <i>Water Research</i> , 2014 , 65, 32-9 | 12.5 | 4 |
| 165 | Carbon dots from tryptophan doped glucose for peroxy nitrite sensing. <i>Analytica Chimica Acta</i> , 2014 , 852, 174-80 | 6.6 | 38 |
| 164 | Luminescent carbon nanoparticles: effects of chemical functionalization, and evaluation of Ag ⁺ sensing properties. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 8342 | 13 | 80 |
| 163 | Structural, energetic, and UV-Vis spectral analysis of UVA filter 4-tert-butyl-4'-methoxydibenzoylmethane. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 1511-8 | 2.8 | 23 |
| 162 | Feeling and investigating blue: On the enthalpy of formation of indigo. <i>Journal of Chemical Thermodynamics</i> , 2014 , 73, 69-75 | 2.9 | 3 |
| 161 | Occurrence of Personal Care Products and Transformation Processes in Chlorinated Waters. <i>Handbook of Environmental Chemistry</i> , 2014 , 123-136 | 0.8 | 1 |

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|-----|---|-----|----|
| 160 | Quantitative analysis of organophosphorus pesticides in freshwater using an optimized firefly luciferase-based coupled bioluminescent assay. <i>Luminescence</i> , 2014 , 29, 378-85 | 2.5 | 4 |
| 159 | Study of firefly luciferin oxidation and isomerism as possible inhibition pathways for firefly bioluminescence. <i>Chemical Physics Letters</i> , 2014 , 592, 188-191 | 2.5 | 3 |
| 158 | Gas-phase molecular structure and energetics of UVB filter 4-methylbenzylidene camphor: A computational study. <i>Computational and Theoretical Chemistry</i> , 2014 , 1033, 67-73 | 2 | 2 |
| 157 | Computational study on the vinyl azide decomposition. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 5038-45 | 4.5 | 12 |
| 156 | Quantum/molecular mechanics study of firefly bioluminescence on luciferase oxidative conformation. <i>Chemical Physics Letters</i> , 2014 , 608, 45-49 | 2.5 | 13 |
| 155 | A theoretical analysis of the potential role of π -stacking interactions in the photoprotolytic cycle of firefly luciferin. <i>ChemPhysChem</i> , 2014 , 15, 3761-7 | 3.2 | 1 |
| 154 | Fingerprint detection and using intercalated CdSe nanoparticles on non-porous surfaces. <i>Analytica Chimica Acta</i> , 2014 , 812, 228-35 | 6.6 | 30 |
| 153 | Comparative theoretical study of the binding of potential cancer-treatment drugs to Checkpoint kinase 1. <i>Chemical Physics Letters</i> , 2014 , 591, 273-276 | 2.5 | |
| 152 | Theoretical study of the effect of resonance on π -stacked firefly oxyluciferin dimers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014 , 278, 9-13 | 4.7 | 1 |
| 151 | Dioxetanones π -peroxide bond as a charge-shifted bond: implications in the chemiluminescence process. <i>Structural Chemistry</i> , 2014 , 25, 1075-1081 | 1.8 | 7 |
| 150 | NO Fluorescence Quantification by Chitosan CdSe Quantum Dots Nanocomposites. <i>Journal of Fluorescence</i> , 2014 , 24, 639-48 | 2.4 | 8 |
| 149 | Analysis of the performance of DFT functionals in the study of light emission by oxyluciferin analogs. <i>International Journal of Quantum Chemistry</i> , 2013 , 113, 45-51 | 2.1 | 14 |
| 148 | Solid luminescent CdSe-thiolated porous phosphate heterostructures. Application in fingerprint detection in different surfaces. <i>Surface and Interface Analysis</i> , 2013 , 45, 612-618 | 1.5 | 11 |
| 147 | NO fluorescence sensing by europium tetracyclines complexes in the presence of H ₂ O ₂ . <i>Journal of Fluorescence</i> , 2013 , 23, 681-8 | 2.4 | 5 |
| 146 | Luminescent behavior of CdTe quantum dots: Neodymium(III) complex-capped nanoparticles. <i>Journal of Luminescence</i> , 2013 , 134, 408-413 | 3.8 | 2 |
| 145 | Theoretical photodynamic study of the photoprotolytic cycle of firefly oxyluciferin. <i>ChemPhysChem</i> , 2013 , 14, 2711-6 | 3.2 | 17 |
| 144 | Oxyluciferin photoacidity: the missing element for solving the keto-enol mystery?. <i>ChemPhysChem</i> , 2013 , 14, 3441-6 | 3.2 | 25 |
| 143 | The structure and energetics of pyrrolidinones, tetrahydrofuranones, piperidinones, and tetrahydropyranones: a computational study. <i>Structural Chemistry</i> , 2013 , 24, 1829-1839 | 1.8 | 7 |

| | | | |
|-----|--|-----|----|
| 142 | Theoretical study of the superoxide anion assisted firefly oxyluciferin formation. <i>Chemical Physics Letters</i> , 2013 , 590, 180-182 | 2.5 | |
| 141 | Adsorption of uranyl ions on kaolinite, montmorillonite, humic acid and composite clay material. <i>Applied Clay Science</i> , 2013 , 85, 53-63 | 5.2 | 42 |
| 140 | Theoretical fingerprinting of the photophysical properties of four firefly bioluminophores. <i>Photochemical and Photobiological Sciences</i> , 2013 , 12, 2028-35 | 4.2 | 15 |
| 139 | Interstate crossing-induced chemiexcitation as the reason for the chemiluminescence of dioxetanones. <i>ChemPhysChem</i> , 2013 , 14, 1071-9 | 3.2 | 25 |
| 138 | Theoretical study of the correlation between superoxide anion consumption and firefly luciferin chemiluminescence. <i>Chemical Physics Letters</i> , 2013 , 577, 127-130 | 2.5 | 5 |
| 137 | An optimized bioluminescent assay for inorganic sulfate quantitation in freshwater. <i>Analytical Methods</i> , 2013 , 5, 1317 | 3.2 | 5 |
| 136 | Efficient firefly chemi/bioluminescence: evidence for chemiexcitation resulting from the decomposition of a neutral firefly dioxetanone molecule. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 94-100 | 2.8 | 25 |
| 135 | Chemiluminescence of 1,2-dioxetanone studied by a closed-shell DFT approach. <i>International Journal of Quantum Chemistry</i> , 2013 , 113, 1709-1716 | 2.1 | 5 |
| 134 | Current analytical strategies for C-reactive protein quantification in blood. <i>Clinica Chimica Acta</i> , 2013 , 415, 1-9 | 6.2 | 34 |
| 133 | Inclusion of thiol DAB dendrimer/CdSe quantum dots based in a membrane structure: Surface and bulk membrane modification. <i>Electrochimica Acta</i> , 2013 , 89, 652-659 | 6.7 | 8 |
| 132 | Component analysis of fluorescence spectra of thiol DAB dendrimer/ZnSe-PEA nanoparticles. <i>Talanta</i> , 2013 , 105, 267-71 | 6.2 | 4 |
| 131 | Coal Rank Increase and Aerial Oxidation by a Combination of Fourier Transform Infrared Spectroscopy with Multivariate Analysis. <i>Spectroscopy Letters</i> , 2013 , 46, 277-285 | 1.1 | 2 |
| 130 | Amino, Ammonio and Aminioethenes: A Theoretical Study of their Structure and Energetics. <i>Journal of Physical Organic Chemistry</i> , 2013 , 26, 613-625 | 2.1 | 4 |
| 129 | Firefly luciferin as a multifunctional chemiluminescence molecule. <i>Photochemical and Photobiological Sciences</i> , 2013 , 12, 1615-21 | 4.2 | 5 |
| 128 | Mechanistic study of the unimolecular decomposition of 1,2-dioxetanedione. <i>Journal of Physical Organic Chemistry</i> , 2013 , 26, 659-663 | 2.1 | 13 |
| 127 | Theoretical study of the efficient fluorescence quenching process of the firefly luciferin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013 , 266, 47-54 | 4.7 | 11 |
| 126 | Exposure of <i>Betula pendula</i> Roth pollen to atmospheric pollutants CO, O ₃ and SO ₂ . <i>Grana</i> , 2013 , 52, 299-304 | 0.8 | 14 |
| 125 | Degradation of UV filters 2-ethylhexyl-4-methoxycinnamate and 4-tert-butyl-4'-methoxydibenzoylmethane in chlorinated water. <i>Environmental Chemistry</i> , 2013 , 10, 127 | 3.2 | 28 |

| | | | |
|-----|---|------|-----|
| 124 | Novel Cyclodextrin modified CdTe quantum dots as fluorescence nanosensor for acetylsalicylic acid and metabolites. <i>Materials Science and Engineering C</i> , 2012 , 32, 799-803 | 8.3 | 20 |
| 123 | Niclosamide quantification in methyl-Cyclodextrin after derivatization to aminoniclosamide. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2012 , 72, 89-94 | | 6 |
| 122 | Optimisation of bisphenol A removal from water using chemically modified pine bark and almond shell. <i>Chemistry and Ecology</i> , 2012 , 28, 141-152 | 2.3 | 6 |
| 121 | Advances in the knowledge of light emission by firefly luciferin and oxyluciferin. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012 , 117, 33-9 | 6.7 | 66 |
| 120 | Flow injection analysis for nitric oxide quantification based on reduced fluoresceinamine. <i>Analytical Methods</i> , 2012 , 4, 1089 | 3.2 | 2 |
| 119 | In vitro exposure of <i>Acer negundo</i> pollen to atmospheric levels of SO ₂ and NO ₂ effects on allergenicity and germination. <i>Environmental Science & Technology</i> , 2012 , 46, 2406-12 | 10.3 | 40 |
| 118 | Thiolated DAB dendrimers and CdSe quantum dots nanocomposites for Cd(II) or Pb(II) sensing. <i>Talanta</i> , 2012 , 88, 403-7 | 6.2 | 40 |
| 117 | CdSe and ZnSe quantum dots capped with PEA for screening C-reactive protein in human serum. <i>Talanta</i> , 2012 , 93, 411-4 | 6.2 | 13 |
| 116 | Thiolated DAB dendrimer/ZnSe nanoparticles for C-reactive protein recognition in human serum. <i>Talanta</i> , 2012 , 99, 574-9 | 6.2 | 14 |
| 115 | The degradation products of UV filters in aqueous and chlorinated aqueous solutions. <i>Water Research</i> , 2012 , 46, 3167-76 | 12.5 | 110 |
| 114 | Layer-by-layer immobilization of carbon dots fluorescent nanomaterials on single optical fiber. <i>Analytica Chimica Acta</i> , 2012 , 735, 90-5 | 6.6 | 42 |
| 113 | Theoretical analysis of the color tuning mechanism of oxyluciferin and 5-hydroxyoxyluciferin. <i>Computational and Theoretical Chemistry</i> , 2012 , 988, 56-62 | 2 | 11 |
| 112 | Comparative theoretical study of the binding of luciferyl-adenylate and dehydroluciferyl-adenylate to firefly luciferase. <i>Chemical Physics Letters</i> , 2012 , 543, 137-141 | 2.5 | 6 |
| 111 | CdS Quantum Dots Nanoparticles Dispersed in Zeolites. Optical Study. <i>Journal of Dispersion Science and Technology</i> , 2012 , 33, 786-791 | 1.5 | 2 |
| 110 | Excited-state proton transfer of firefly dehydroluciferin. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 10770-9 | 2.9 | 13 |
| 109 | TD-DFT/molecular mechanics study of the <i>Photinus pyralis</i> bioluminescence system. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 2008-13 | 3.4 | 27 |
| 108 | Aza-Diels-Alder reaction between cyclopentadiene and protonated N-phenylethyliminoacetates of 8-phenylmenthol and 8-phenylneomenthol: a density functional theory study. <i>Journal of Physical Organic Chemistry</i> , 2012 , 25, 515-522 | 2.1 | 3 |
| 107 | Density functional theory study of 1,2-dioxetanone decomposition in condensed phase. <i>Journal of Computational Chemistry</i> , 2012 , 33, 2118-23 | 3.5 | 11 |

| | | | |
|-----|--|------|-----|
| 106 | Response to comment on density functional theory study of 1,2-dioxetanone decomposition in condensed phase. <i>Journal of Computational Chemistry</i> , 2012 , 33, 2127-2130 | 3.5 | 6 |
| 105 | Reduced fluoresceinamine for peroxyxynitrite quantification in the presence of nitric oxide. <i>Journal of Fluorescence</i> , 2012 , 22, 1127-40 | 2.4 | 5 |
| 104 | Firefly chemiluminescence and bioluminescence: efficient generation of excited states. <i>ChemPhysChem</i> , 2012 , 13, 2257-62 | 3.2 | 64 |
| 103 | Comparative study of the photoprotolytic reactions of D-luciferin and oxyluciferin. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 7452-61 | 2.8 | 41 |
| 102 | Optical Characterization of CdS Quantum Dots Nanoparticles Dispersed in Clays. <i>Journal of Dispersion Science and Technology</i> , 2012 , 33, 1139-1143 | 1.5 | 1 |
| 101 | Fatty Acid and Cholesterol Content of Manchego Type Cheese Prepared with Incorporated Avocado Oil. <i>International Journal of Food Properties</i> , 2012 , 15, 796-808 | 3 | 3 |
| 100 | A New Insight on Silicon Dots. <i>Current Analytical Chemistry</i> , 2012 , 8, 67-77 | 1.7 | 4 |
| 99 | Computational Studies of the Luciferase Light-Emitting Product: Oxyluciferin. <i>Journal of Chemical Theory and Computation</i> , 2011 , 7, 809-17 | 6.4 | 73 |
| 98 | Metal-enhanced photoluminescence from carbon nanodots. <i>Chemical Communications</i> , 2011 , 47, 5313-55.8 | 5.8 | 55 |
| 97 | CdSe quantum dots capped PAMAM dendrimer nanocomposites for sensing nitroaromatic compounds. <i>Talanta</i> , 2011 , 83, 1335-40 | 6.2 | 49 |
| 96 | Analytical and bioanalytical applications of carbon dots. <i>TrAC - Trends in Analytical Chemistry</i> , 2011 , 30, 1327-1336 | 14.6 | 470 |
| 95 | Kinetics of inhibition of firefly luciferase by dehydroluciferyl-coenzyme A, dehydroluciferin and L-luciferin. <i>Photochemical and Photobiological Sciences</i> , 2011 , 10, 1039-45 | 4.2 | 42 |
| 94 | Chemometric analysis of excitation emission matrices of fluorescent nanocomposites. <i>Journal of Fluorescence</i> , 2011 , 21, 1987-96 | 2.4 | 9 |
| 93 | Hybrid porous phosphate heterostructures as adsorbents of Hg(II) and Ni(II) from industrial sewage. <i>Journal of Hazardous Materials</i> , 2011 , 190, 694-9 | 12.8 | 10 |
| 92 | Computational investigation of the effect of pH on the color of firefly bioluminescence by DFT. <i>ChemPhysChem</i> , 2011 , 12, 951-60 | 3.2 | 64 |
| 91 | Study on the effects of intermolecular interactions on firefly multicolor bioluminescence. <i>ChemPhysChem</i> , 2011 , 12, 3002-8 | 3.2 | 33 |
| 90 | Theoretical modulation of the color of light emitted by firefly oxyluciferin. <i>Journal of Computational Chemistry</i> , 2011 , 32, 2654-63 | 3.5 | 28 |
| 89 | PARAFAC based methods for the analysis of Diltiazem drug excitation emission matrices of fluorescence obtained by a derivatization reaction. <i>Analytical Methods</i> , 2011 , 3, 2758 | 3.2 | 2 |

| | | | |
|----|--|------|-----|
| 88 | CdS nanocomposites assembled in porous phosphate heterostructures for fingerprint detection. <i>Optical Materials</i> , 2011 , 33, 893-898 | 3.3 | 37 |
| 87 | LC-MS and microscale NMR analysis of luciferin-related compounds from the bioluminescent earthworm <i>Fridericia heliota</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011 , 102, 218-23 | 6.7 | 14 |
| 86 | Vapor pressures and enthalpies of vaporization of azides. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 1652-1659 | 2.9 | 13 |
| 85 | Chemometric Classification of Cultivars of Olives 2010 , 33-42 | | 2 |
| 84 | Luminol-Doped Nanostructured Composite Materials for Chemiluminescent Sensing of Hydrogen Peroxide. <i>Analytical Letters</i> , 2010 , 43, 2762-2772 | 2.2 | 0 |
| 83 | Reduced fluoresceinamine as a fluorescent sensor for nitric oxide. <i>Sensors</i> , 2010 , 10, 1661-9 | 3.8 | 12 |
| 82 | Wavelength encoded analytical imaging and fiber optic sensing with pH sensitive CdTe quantum dots. <i>Talanta</i> , 2010 , 80, 1932-8 | 6.2 | 34 |
| 81 | Factorial analysis of the trihalomethane formation in the reaction of colloidal, hydrophobic, and transphilic fractions of DOM with free chlorine. <i>Environmental Science and Pollution Research</i> , 2010 , 17, 1389-400 | 5.1 | 27 |
| 80 | Fluorescent properties of a hybrid cadmium sulfide-dendrimer nanocomposite and its quenching with nitromethane. <i>Journal of Fluorescence</i> , 2010 , 20, 143-51 | 2.4 | 26 |
| 79 | Fluorescent carbon dots capped with PEG200 and mercaptosuccinic acid. <i>Journal of Fluorescence</i> , 2010 , 20, 1023-8 | 2.4 | 68 |
| 78 | Porous phosphate heterostructures containing CdS quantum dots: assembly, characterization and photoluminescence. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010 , 67, 225-232 | | 4 |
| 77 | Parallel factor analysis of EEM of the fluorescence of carbon dots nanoparticles. <i>Journal of Chemometrics</i> , 2010 , 24, 655-664 | 1.6 | 12 |
| 76 | LC-MS identification of derivatized free fatty acids from adipocere in soil samples. <i>Journal of Separation Science</i> , 2010 , 33, 143-54 | 3.4 | 9 |
| 75 | Firefly luciferase inhibition. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2010 , 101, 1-8 | 6.7 | 76 |
| 74 | Comparison of adipocere formation in four soil types of the Porto (Portugal) district. <i>Forensic Science International</i> , 2010 , 195, 168.e1-6 | 2.6 | 10 |
| 73 | Hg(II) sensing based on functionalized carbon dots obtained by direct laser ablation. <i>Sensors and Actuators B: Chemical</i> , 2010 , 145, 702-707 | 8.5 | 210 |
| 72 | Multivariate analysis of the water quality variation in the Serra da Estrela (Portugal) Natural Park as a consequence of road deicing with salt. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2010 , 102, 130-135 | 3.8 | 16 |
| 71 | Optical fiber sensor for Hg(II) based on carbon dots. <i>Biosensors and Bioelectronics</i> , 2010 , 26, 1302-6 | 11.8 | 165 |

| | | | |
|----|--|-----|-----|
| 70 | Firefly bioluminescence: a mechanistic approach of luciferase catalyzed reactions. <i>IUBMB Life</i> , 2009 , 61, 6-17 | 4.7 | 156 |
| 69 | PARAFAC analysis of the quenching of EEM of fluorescence of glutathione capped CdTe quantum dots by Pb(II). <i>Journal of Fluorescence</i> , 2009 , 19, 141-9 | 2.4 | 34 |
| 68 | Optimized chromatographic and bioluminescent methods for inorganic pyrophosphate based on its conversion to ATP by firefly luciferase. <i>Talanta</i> , 2009 , 77, 1497-503 | 6.2 | 31 |
| 67 | ADSORPTION AND RECOVERY OF NITRATED POLYCYCLIC AROMATIC HYDROCARBONS ON HYBRID SURFACTANT EXPANDED ZIRCONIUM-PHOSPHATE. <i>Polycyclic Aromatic Compounds</i> , 2009 , 29, 28-40 | 1.3 | 4 |
| 66 | Mercury(II) sensing based on the quenching of fluorescence of CdS-dendrimer nanocomposites. <i>Analyst, The</i> , 2009 , 134, 2447-52 | 5 | 44 |
| 65 | Kinetics of inhibition of firefly luciferase by oxyluciferin and dehydroluciferyl-adenylate. <i>Photochemical and Photobiological Sciences</i> , 2008 , 7, 1085-90 | 4.2 | 69 |
| 64 | Multiway chemometric decomposition of EEM of fluorescence of CdTe quantum dots obtained as function of pH. <i>Analytica Chimica Acta</i> , 2008 , 628, 143-54 | 6.6 | 30 |
| 63 | Optimization of Verapamil drug analysis by excitation-emission fluorescence in combination with second-order multivariate calibration. <i>Journal of Fluorescence</i> , 2008 , 18, 1065-76 | 2.4 | 12 |
| 62 | An optimized luciferase bioluminescent assay for coenzyme A. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 391, 2161-8 | 4.4 | 15 |
| 61 | Factorial analysis optimization of a Diltiazem kinetic spectrophotometric quantification method. <i>Analytica Chimica Acta</i> , 2008 , 609, 1-12 | 6.6 | 16 |
| 60 | Fiber optic lifetime pH sensing based on ruthenium(II) complexes with dicarboxybipyridine. <i>Analytica Chimica Acta</i> , 2008 , 626, 62-70 | 6.6 | 33 |
| 59 | Pyrophosphate and tripolyphosphate affect firefly luciferase luminescence because they act as substrates and not as allosteric effectors. <i>FEBS Journal</i> , 2008 , 275, 1500-1509 | 5.7 | 33 |
| 58 | Experimental Determination of Ultraviolet Radiation Protection of Common Materials. <i>Journal of Chemical Education</i> , 2007 , 84, 1963 | 2.4 | 1 |
| 57 | Evaluation of the pesticide contamination of groundwater sampled over two years from a vulnerable zone in Portugal. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 6227-35 | 5.7 | 67 |
| 56 | PARAFAC2 and MCR-ALS quantification of Diltiazem antihypertensor based on a kinetic spectrophotometric methodology. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2007 , 89, 90-96 | 3.8 | 19 |
| 55 | MCR of the quenching of the EEM of fluorescence of dissolved organic matter by metal ions. <i>Analytica Chimica Acta</i> , 2007 , 595, 9-18 | 6.6 | 31 |
| 54 | Factorial analysis of the trihalomethanes formation in water disinfection using chlorine. <i>Analytica Chimica Acta</i> , 2007 , 595, 266-74 | 6.6 | 56 |
| 53 | Pentachlorophenol association with fulvic acids from recycled wastes. <i>Environmental Pollution</i> , 2007 , 146, 174-9 | 9.3 | 4 |

| | | | |
|----|--|------|----|
| 52 | Firefly luciferase produces hydrogen peroxide as a coproduct in dehydroluciferyl adenylate formation. <i>ChemBioChem</i> , 2006 , 7, 929-35 | 3.8 | 46 |
| 51 | Multivariate curve resolution of multidimensional excitation-emission quenching matrices of a Laurentian soil fulvic acid. <i>Chemosphere</i> , 2006 , 64, 1939-48 | 8.4 | 20 |
| 50 | Multivariate curve resolution of synchronous fluorescence spectra matrices of fulvic acids obtained as a function of pH. <i>Applied Spectroscopy</i> , 2006 , 60, 1315-21 | 3.1 | 22 |
| 49 | PARAFAC and PARAFAC2 calibration models for antihypertensor Nifedipine quantification. <i>Analytica Chimica Acta</i> , 2006 , 559, 271-280 | 6.6 | 10 |
| 48 | Chemometric interpretation of pesticide occurrence in soil samples from an intensive horticulture area in north Portugal. <i>Analytica Chimica Acta</i> , 2006 , 560, 164-171 | 6.6 | 23 |
| 47 | Chemometric classification of olives from three Portuguese cultivars of <i>Olea europaea</i> L.. <i>Analytica Chimica Acta</i> , 2005 , 544, 229-235 | 6.6 | 19 |
| 46 | Multivariate curve resolution analysis excitation-emission matrices of fluorescence of humic substances. <i>Analytica Chimica Acta</i> , 2005 , 546, 52-59 | 6.6 | 46 |
| 45 | Coenzyme A affects firefly luciferase luminescence because it acts as a substrate and not as an allosteric effector. <i>FEBS Journal</i> , 2005 , 272, 5206-16 | 5.7 | 65 |
| 44 | Synthesis of luciferyl coenzyme A: a bioluminescent substrate for firefly luciferase in the presence of AMP. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 3427-9 | 16.4 | 7 |
| 43 | Synthesis of Luciferyl Coenzyme A: A Bioluminescent Substrate for Firefly Luciferase in the Presence of AMP. <i>Angewandte Chemie</i> , 2005 , 117, 3493-3495 | 3.6 | 6 |
| 42 | Detection of 2,4,6-trichloroanisole in chlorinated water at nanogram per litre levels by SPME-GC-ECD. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 382, 341-6 | 4.4 | 23 |
| 41 | Luminescence-Based Optical Fiber Chemical Sensors. <i>Fiber and Integrated Optics</i> , 2005 , 24, 201-225 | 0.8 | 19 |
| 40 | Identification of luciferyl adenylate and luciferyl coenzyme a synthesized by firefly luciferase. <i>ChemBioChem</i> , 2004 , 5, 110-5 | 3.8 | 35 |
| 39 | Chemical synthesis and firefly luciferase produced dehydroluciferyl-coenzyme A. <i>Tetrahedron Letters</i> , 2004 , 45, 2117-2120 | 2 | 13 |
| 38 | pH opposite effects on synthesis of dinucleoside polyphosphates and on oxidation reactions catalyzed by firefly luciferase. <i>FEBS Letters</i> , 2003 , 543, 37-41 | 3.8 | 15 |
| 37 | Detection of verapamil drug by fluorescence and trilinear decomposition techniques. <i>Analytica Chimica Acta</i> , 2002 , 453, 105-115 | 6.6 | 53 |
| 36 | Metal ion complexation properties of fulvic acids extracted from composted sewage sludge as compared to a soil fulvic acid. <i>Water Research</i> , 2002 , 36, 3404-9 | 12.5 | 31 |
| 35 | Identification of enzyme produced firefly oxyluciferin by reverse phase HPLC. <i>Tetrahedron Letters</i> , 2001 , 42, 8173-8176 | 2 | 39 |

| | | | |
|----|---|------|-----|
| 34 | Factorial analysis of a chemiluminescence system for bromate detection in water. <i>Analytica Chimica Acta</i> , 2001 , 450, 175-184 | 6.6 | 40 |
| 33 | Sediments as monitors of heavy metal contamination in the Ave river basin (Portugal): multivariate analysis of data. <i>Environmental Pollution</i> , 1999 , 105, 311-23 | 9.3 | 240 |
| 32 | Parafac decomposition of three-way kinetic-spectrophotometric spectral matrices corresponding to mixtures of heavy metal ions. <i>Talanta</i> , 1999 , 49, 889-97 | 6.2 | 25 |
| 31 | Effect of pH on complexation of Fe(III) with fulvic acids. <i>Environmental Toxicology and Chemistry</i> , 1998 , 17, 1268-1273 | 3.8 | 13 |
| 30 | Effect of the pH on the complexation of Cu(II), Ni(II) and Fe(III) ions by a vine leaf litter extract by fluorescence quenching. <i>Mikrochimica Acta</i> , 1998 , 130, 63-69 | 5.8 | 1 |
| 29 | Fluorescence quenching of anthropogenic fulvic acids by Cu(II), Fe(III) and UO(2)(2+). <i>Talanta</i> , 1998 , 45, 1155-65 | 6.2 | 108 |
| 28 | Acid-base properties of fulvic acids extracted from an untreated sewage sludge and from composted sludge. <i>Water Research</i> , 1998 , 32, 441-449 | 12.5 | 18 |
| 27 | Method for the differentiation of leaf litter extracts and study of their interaction with Cu(II) by molecular fluorescence. <i>Canadian Journal of Chemistry</i> , 1998 , 76, 1197-1209 | 0.9 | 4 |
| 26 | Trilinear PARAFAC decomposition of synchronous fluorescence spectra of mixtures of the major metabolites of acetylsalicylic acid. <i>Analyst, The</i> , 1998 , 123, 2067-70 | 5 | 20 |
| 25 | Method for Rapid Screening of Chlorophenols Using a Reduced Calibration Set of UV Spectra and Multivariate Calibration Techniques. <i>Analytical Letters</i> , 1998 , 31, 2549-2563 | 2.2 | 14 |
| 24 | The complexation of Cu(II) by anthropogenic fulvic acids extracted from composted urban and livestock wastes. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 1997 , 32, 469-82 | 2.2 | |
| 23 | Procedure for the Classification of Fulvic Acids and Similar Substances Based on the Variation With pH of Their Synchronous Fluorescence Spectra. <i>Analyst, The</i> , 1997 , 122, 1299-1306 | 5 | 11 |
| 22 | Study of the complexation of Cu(II) by fulvic acids extracted from a sewage sludge and its compost. <i>Fresenius Journal of Analytical Chemistry</i> , 1997 , 357, 950-957 | | 7 |
| 21 | Variation of the stability of complexes of Al(III) with a fulvic acid extracted from a humic cambisol soil in the pH range three to five. <i>Environmental Toxicology and Chemistry</i> , 1997 , 16, 1845-1850 | 3.8 | 4 |
| 20 | Study of the interaction of Al(III) with a soil fulvic acid in the acid pH range by self-modeling mixture analysis of synchronous fluorescence spectral data. <i>Analytica Chimica Acta</i> , 1997 , 349, 23-31 | 6.6 | 14 |
| 19 | . <i>Environmental Toxicology and Chemistry</i> , 1997 , 16, 1845 | 3.8 | 2 |
| 18 | Quantitative Study of Be(II) Complexation by Soil Fulvic Acids by Molecular Fluorescence Spectroscopy. <i>Environmental Science & Technology</i> , 1996 , 30, 3155-3160 | 10.3 | 19 |
| 17 | Interaction of Fulvic Acids with Al(III) Studied by Self-Modeling Curve Resolution of Second-Derivative Synchronous Fluorescence Spectra. <i>Applied Spectroscopy</i> , 1996 , 50, 436-443 | 3.1 | 20 |

| | | | |
|----|--|------|----|
| 16 | Study of the interaction of a soil fulvic acid with UO_2^{2+} by self-modelling mixture analysis of synchronous molecular fluorescence spectra. <i>Analyst, The</i> , 1996 , 121, 1373 | 5 | 22 |
| 15 | Monitoring of molecular transformations in acid-base reactions by evolving factor analysis of Fourier transform infrared spectral data. <i>Talanta</i> , 1996 , 43, 1443-56 | 6.2 | 7 |
| 14 | Simultaneous use of evolving factor analysis of fluorescence spectral data and analysis of pH titration data for comparison of the acid-base properties of fulvic acids. <i>Analytica Chimica Acta</i> , 1996 , 318, 365-372 | 6.6 | 20 |
| 13 | Classification of binding sites for Al(III) in fulvic acids extracted from leaf litters and soils by synchronous fluorescence spectroscopy and multidimensional chemometric analysis. <i>Analytica Chimica Acta</i> , 1996 , 333, 71-82 | 6.6 | 8 |
| 12 | Characterization of the binding sites for Al(III) and Be(II) in a sample of marine fulvic acids. <i>Marine Chemistry</i> , 1996 , 54, 293-302 | 3.7 | 15 |
| 11 | Evolving factor analysis of synchronous fluorescence spectra of humic substances in the presence of Cu(II). <i>Chemometrics and Intelligent Laboratory Systems</i> , 1995 , 27, 115-128 | 3.8 | 22 |
| 10 | Characterization of the Acid-Base Properties of Humic Substances by Chemometric Analysis of Synchronous Fluorescence and pH Potentiometric Data. <i>Analytical Letters</i> , 1995 , 28, 2401-2411 | 2.2 | 10 |
| 9 | Beryllium(II) as a Probe for Study of the Interactions of Metals and Fulvic Acids by Synchronous Fluorescence Spectroscopy. <i>Applied Spectroscopy</i> , 1995 , 49, 1500-1506 | 3.1 | 15 |
| 8 | Self-modelling curve resolution analysis of synchronous fluorescence spectroscopy data for characterization of acid mixtures and study of acid-base equilibria. <i>Analyst, The</i> , 1995 , 120, 2553-2560 | 5 | 17 |
| 7 | Multi-wavelength analysis of synchronous fluorescence spectra of the complexes between a soil fulvic acid and Cu(II). <i>Analytica Chimica Acta</i> , 1994 , 292, 121-132 | 6.6 | 30 |
| 6 | Seasonal variations of heavy metals in sediments and aquatic mosses from the Cũado river basin (Portugal). <i>Science of the Total Environment</i> , 1994 , 142, 143-156 | 10.2 | 58 |
| 5 | Evolving Factor Analysis of Synchronous Fluorescence Spectra of Fulvic Acids in the Presence of Aluminum. <i>Applied Spectroscopy</i> , 1994 , 48, 363-372 | 3.1 | 37 |
| 4 | A combination of synchronous fluorescence spectroscopy with chemometric treatment and internal standards in non-aqueous potentiometric titrations of fulvic acids. <i>Talanta</i> , 1994 , 41, 2095-104 | 6.2 | 9 |
| 3 | Factor analysis of molecular fluorescence data of marine and soil fulvic acids. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1993 , 19, 155-167 | 3.8 | 28 |
| 2 | Study of aqueous acidic properties of fulvic acids by evolving factor analysis of pH + FT-IR titration data. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1992 , 17, 249-258 | 3.8 | 11 |
| 1 | Elucidating the chemiexcitation of dioxetanones by replacing the peroxide bond with S-S, N-N and C-C bonds. <i>New Journal of Chemistry</i> , | 3.6 | 1 |