

Joaquim C G Esteves Da Silva

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#	Paper	IF	Citations
285	Analytical and bioanalytical applications of carbon dots. <i>TrAC - Trends in Analytical Chemistry</i> , 2011 , 30, 1327-1336	14.6	470
284	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
283	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
282	Optical fiber sensor for Hg(II) based on carbon dots. <i>Biosensors and Bioelectronics</i> , 2010 , 26, 1302-6	11.8	165
281	Firefly bioluminescence: a mechanistic approach of luciferase catalyzed reactions. <i>IUBMB Life</i> , 2009 , 61, 6-17	4.7	156
280	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
279	The degradation products of UV filters in aqueous and chlorinated aqueous solutions. <i>Water Research</i> , 2012 , 46, 3167-76	12.5	110
278	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
277	Photodegradation of avobenzone: stabilization effect of antioxidants. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014 , 140, 36-40	6.7	99
276	Carbon dots as fluorescent sensor for detection of explosive nitrocompounds. <i>Carbon</i> , 2016 , 106, 171-178	10.4	93
275	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
274	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
273	Firefly luciferase inhibition. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2010 , 101, 1-8	6.7	76
272	Computational Studies of the Luciferase Light-Emitting Product: Oxyluciferin. <i>Journal of Chemical Theory and Computation</i> , 2011 , 7, 809-17	6.4	73
271	Carbon dots obtained using hydrothermal treatment of formaldehyde. Cell imaging in vitro. <i>Nanoscale</i> , 2014 , 6, 9071-7	7.7	71
270	Kinetics of inhibition of firefly luciferase by oxyluciferin and dehydroluciferyl-adenylate. <i>Photochemical and Photobiological Sciences</i> , 2008 , 7, 1085-90	4.2	69
269	Fluorescent carbon dots capped with PEG200 and mercaptosuccinic acid. <i>Journal of Fluorescence</i> , 2010 , 20, 1023-8	2.4	68

268	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
267	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
266	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
265	Firefly chemiluminescence and bioluminescence: efficient generation of excited states. <i>ChemPhysChem</i> , 2012 , 13, 2257-62	3.2	64
264	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
263	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
262	Seasonal variations of heavy metals in sediments and aquatic mosses from the Cado river basin (Portugal). <i>Science of the Total Environment</i> , 1994 , 142, 143-156	10.2	58
261	Factorial analysis of the trihalomethanes formation in water disinfection using chlorine. <i>Analytica Chimica Acta</i> , 2007 , 595, 266-74	6.6	56
260	Metal-enhanced photoluminescence from carbon nanodots. <i>Chemical Communications</i> , 2011 , 47, 5313-5	5.8	55
259	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
258	Detection of verapamil drug by fluorescence and trilinear decomposition techniques. <i>Analytica Chimica Acta</i> , 2002 , 453, 105-115	6.6	53
257	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
256	CdSe quantum dots capped PAMAM dendrimer nanocomposites for sensing nitroaromatic compounds. <i>Talanta</i> , 2011 , 83, 1335-40	6.2	49
255	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
254	Firefly luciferase produces hydrogen peroxide as a coproduct in dehydroluciferyl adenylate formation. <i>ChemBioChem</i> , 2006 , 7, 929-35	3.8	46
253	Multivariate curve resolution analysis excitation-emission matrices of fluorescence of humic substances. <i>Analytica Chimica Acta</i> , 2005 , 546, 52-59	6.6	46
252	Mercury(II) sensing based on the quenching of fluorescence of CdS-dendrimer nanocomposites. <i>Analyst, The</i> , 2009 , 134, 2447-52	5	44
251	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

250	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
249	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
248	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
247	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
246	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
245	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
244	Factorial analysis of a chemiluminescence system for bromate detection in water. <i>Analytica Chimica Acta</i> , 2001 , 450, 175-184	6.6	40
243	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
242	Identification of enzyme produced firefly oxyluciferin by reverse phase HPLC. <i>Tetrahedron Letters</i> , 2001 , 42, 8173-8176	2	39
241	Fluorescent sensor for Cr(VI) based in functionalized silicon quantum dots with dendrimers. <i>Talanta</i> , 2015 , 144, 862-7	6.2	38
240	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
239	Carbon dots from tryptophan doped glucose for peroxyxynitrite sensing. <i>Analytica Chimica Acta</i> , 2014 , 852, 174-80	6.6	38
238	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
237	CdS nanocomposites assembled in porous phosphate heterostructures for fingerprint detection. <i>Optical Materials</i> , 2011 , 33, 893-898	3.3	37
236	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
235	Identification of luciferyl adenylate and luciferyl coenzyme a synthesized by firefly luciferase. <i>ChemBioChem</i> , 2004 , 5, 110-5	3.8	35
234	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
233	Current analytical strategies for C-reactive protein quantification in blood. <i>Clinica Chimica Acta</i> , 2013 , 415, 1-9	6.2	34

232	Wavelength encoded analytical imaging and fiber optic sensing with pH sensitive CdTe quantum dots. <i>Talanta</i> , 2010 , 80, 1932-8	6.2	34
231	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
230	Study on the effects of intermolecular interactions on firefly multicolor bioluminescence. <i>ChemPhysChem</i> , 2011 , 12, 3002-8	3.2	33
229	Fiber optic lifetime pH sensing based on ruthenium(II) complexes with dicarboxybipyridine. <i>Analytica Chimica Acta</i> , 2008 , 626, 62-70	6.6	33
228	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
227	Carbon footprint of the insulation cork board. <i>Journal of Cleaner Production</i> , 2017 , 143, 925-932	10.3	32
226	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
225	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
224	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
223	Fingerprint detection and using intercalated CdSe nanoparticles on non-porous surfaces. <i>Analytica Chimica Acta</i> , 2014 , 812, 228-35	6.6	30
222	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
221	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
220	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
219	Theoretical modulation of the color of light emitted by firefly oxyluciferin. <i>Journal of Computational Chemistry</i> , 2011 , 32, 2654-63	3.5	28
218	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
217	TD-DFT/molecular mechanics study of the Photinus pyralis bioluminescence system. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 2008-13	3.4	27
216	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
215	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

214	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
213	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
212	Chemiexcitation induced proton transfer: enolate oxyluciferin as the firefly bioluminophore. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 2140-8	3.4	25
211	Evaluation of Different Bottom-up Routes for the Fabrication of Carbon Dots. <i>Nanomaterials</i> , 2020 , 10,	5.4	25
210	Oxyluciferin photoacidity: the missing element for solving the keto-enol mystery?. <i>ChemPhysChem</i> , 2013 , 14, 3441-6	3.2	25
209	Interstate crossing-induced chemiexcitation as the reason for the chemiluminescence of dioxetanones. <i>ChemPhysChem</i> , 2013 , 14, 1071-9	3.2	25
208	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
207	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
206	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
205	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
204	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
203	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
202	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
201	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
200	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
199	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
198	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
197	Elucidation of the photocatalytic degradation mechanism of an azo dye under visible light in the presence of cobalt doped TiO nanomaterials. <i>Chemosphere</i> , 2021 , 266, 128931	8.4	22

196	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
195	Glucose Sensing by Fluorescent Nanomaterials. <i>Critical Reviews in Analytical Chemistry</i> , 2019 , 49, 542-553	3.2	20
194	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
193	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
192	Novel β -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
191	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
190	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
189	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
188	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
187	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
186	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
185	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
184	Luminescence-Based Optical Fiber Chemical Sensors. <i>Fiber and Integrated Optics</i> , 2005 , 24, 201-225	0.8	19
183	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
182	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
181	Hypochlorite fluorescence sensing by phenylboronic acid-alizarin adduct based carbon dots. <i>Talanta</i> , 2020 , 208, 120447	6.2	18
180	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
179	Theoretical photodynamic study of the photoprotolytic cycle of firefly oxyluciferin. <i>ChemPhysChem</i> , 2013 , 14, 2711-6	3.2	17

178	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
177	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
176	P-doped carbon nano-powders for fingerprint imaging. <i>Talanta</i> , 2019 , 194, 150-157	6.2	17
175	Theoretical study of the nontraditional enol-based photoacidity of firefly oxyluciferin. <i>ChemPhysChem</i> , 2015 , 16, 455-64	3.2	16
174	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
173	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
172	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
171	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
170	Factorial analysis optimization of a Diltiazem kinetic spectrophotometric quantification method. <i>Analytica Chimica Acta</i> , 2008 , 609, 1-12	6.6	16
169	Interstate Crossing-Induced Chemiexcitation Mechanism as the Basis for Imidazopyrazinone Bioluminescence. <i>ChemistrySelect</i> , 2016 , 1, 3343-3356	1.8	16
168	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
167	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
166	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
165	Theoretical fingerprinting of the photophysical properties of four firefly bioluminophores. <i>Photochemical and Photobiological Sciences</i> , 2013 , 12, 2028-35	4.2	15
164	An optimized luciferase bioluminescent assay for coenzyme A. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 391, 2161-8	4.4	15
163	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
162	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
161	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

160	Study of the Combination of Self-Activating Photodynamic Therapy and Chemotherapy for Cancer Treatment. <i>Biomolecules</i> , 2019 , 9,	5.9	14
159	Turning Spent Coffee Grounds into Sustainable Precursors for the Fabrication of Carbon Dots. <i>Nanomaterials</i> , 2020 , 10,	5.4	14
158	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
157	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
156	Thiolated DAB dendrimer/ZnSe nanoparticles for C-reactive protein recognition in human serum. <i>Talanta</i> , 2012 , 99, 574-9	6.2	14
155	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
154	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
153	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
152	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
151	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
150	3-Hydroxyphenylboronic Acid-Based Carbon Dot Sensors for Fructose Sensing. <i>Journal of Fluorescence</i> , 2019 , 29, 265-270	2.4	14
149	Thermo-responsive microgels based on encapsulated carbon quantum dots. <i>New Journal of Chemistry</i> , 2017 , 41, 4835-4842	3.6	13
148	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
147	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
146	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
145	Quantum/molecular mechanics study of firefly bioluminescence on luciferase oxidative conformation. <i>Chemical Physics Letters</i> , 2014 , 608, 45-49	2.5	13
144	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
143	Excited-state proton transfer of firefly dehydroluciferin. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 10770-9	2.9	13

142	Mechanistic study of the unimolecular decomposition of 1,2-dioxetanedione. <i>Journal of Physical Organic Chemistry</i> , 2013 , 26, 659-663	2.1	13
141	Vapor pressures and enthalpies of vaporization of azides. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 1652-1659	2.9	13
140	Effect of pH on complexation of Fe(III) with fulvic acids. <i>Environmental Toxicology and Chemistry</i> , 1998 , 17, 1268-1273	3.8	13
139	Chemical synthesis and firefly luciferase produced dehydroluciferyl-coenzyme A. <i>Tetrahedron Letters</i> , 2004 , 45, 2117-2120	2	13
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