Maria J Ruedas-Rama

List of Publications by Year
in descending order

59 papers	2,420 citations	218677 26 h-index	197818 49 g-index
60 all docs	60 docs citations	60 times ranked	3846 citing authors

#	Article	IF	Citations
1	Circularly Polarized Luminescence of [6]Helicenes through Excitedâ€State Intramolecular Proton Transfer. Helvetica Chimica Acta, 2022, 105, .	1.6	4
2	Chimeric Drug Design with a Noncharged Carrier for Mitochondrial Delivery. Pharmaceutics, 2021, 13, 254.	4.5	5
3	Protein O-Fucosyltransferase 1 Undergoes Interdomain Flexibility in Solution. Molecules, 2021, 26, 2105.	3.8	5
4	DIGITAL TEAMS FOR PURSUING EXCELLENCE IN ONLINE EDUCATION. , 2021, , .		0
5	Breast Cancer Cell Subtypes Display Different Metabolic Phenotypes That Correlate with Their Clinical Classification. Biology, 2021, 10, 1267.	2.8	5
6	Mitochondrial pH Nanosensors for Metabolic Profiling of Breast Cancer Cell Lines. International Journal of Molecular Sciences, 2020, 21, 3731.	4.1	8
7	A Quantum Dot-Based FLIM Glucose Nanosensor. Sensors, 2019, 19, 4992.	3.8	11
8	miR-122 direct detection in human serum by time-gated fluorescence imaging. Chemical Communications, 2019, 55, 14958-14961.	4.1	13
9	Synthesis and Spectroscopy of Benzylamineâ€Substituted BODIPYs for Bioimaging. European Journal of Organic Chemistry, 2018, 2018, 2561-2571.	2.4	14
10	Metallofluorescent Nanoparticles for Multimodal Applications. ACS Omega, 2018, 3, 144-153.	3.5	15
11	OFF/ON switching of circularly polarized luminescence by oxophilic interaction of homochiral sulfoxide-containing o-OPEs with metal cations. Chemical Communications, 2018, 54, 13985-13988.	4.1	53
12	Two-Step Amyloid Aggregation: Sequential Lag Phase Intermediates. Scientific Reports, 2017, 7, 40065.	3.3	30
13	Nitrogenâ€Induced Transformation of Vitaminâ€…C into Multifunctional Upâ€converting Carbon Nanodots in the Visibleâ€“NIR Range. Chemistry - A European Journal, 2017, 23, 3067-3073.	3.3	15
14	Effect of the substitution position (2, 3 or 8) on the spectroscopic and photophysical properties of BODIPY dyes with a phenyl, styryl or phenylethynyl group. RSC Advances, 2016, 6, 102899-102913.	3.6	27
15	New Dual Fluorescent Probe for Simultaneous Biothiol and Phosphate Bioimaging. Chemistry - A European Journal, 2015, 21, 14772-14779.	3.3	23
16	Development of a New Dual Polarity and Viscosity Probe Based on the Foldamer Concept. Organic Letters, 2015, 17, 2844-2847.	4.6	17
17	Single-Molecule FRET Reveals Hidden Complexity in a Protein Energy Landscape. Structure, 2015, 23, 190-198.	3.3	5
18	The First Step of Amyloidogenic Aggregation. Journal of Physical Chemistry B, 2015, 119, 8260-8267.	2.6	12

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19	Intracellular Zn2+ detection with quantum dot-based FLIM nanosensors. Chemical Communications, 2015, 51, 16964-16967.	4.1	17
20	Unusual spectroscopic and photophysical properties of meso-tert-butylBODIPY in comparison to related alkylated BODIPY dyes. RSC Advances, 2015, 5, 89375-89388.	3.6	58
21	Rational design of a new fluorescent â€˜ON/OFFâ€™ xanthene dye for phosphate detection in live cells. Organic and Biomolecular Chemistry, 2014, 12, 6432-6439.	2.8	11
22	Novel ortho-OPE metallofoldamers: binding-induced folding promoted by nucleating Ag(<scp>i</scp>)â€“alkyne interactions. Chemical Science, 2014, 5, 4582-4591.	7.4	29
23	Interaction of YOYO-3 with Different DNA Templates to Form H-Aggregates. Journal of Physical Chemistry B, 2014, 118, 6098-6106.	2.6	9
24	8-HaloBODIPYs and Their 8-(C, N, O, S) Substituted Analogues: Solvent Dependent UVâ€“Vis Spectroscopy, Variable Temperature NMR, Crystal Structure Determination, and Quantum Chemical Calculations. Journal of Physical Chemistry A, 2014, 118, 1576-1594.	2.5	62
25	pH sensitive quantum dotâ€“anthraquinone nanoconjugates. Nanotechnology, 2014, 25, 195501.	2.6	12
26	Real-Time Phosphate Sensing in Living Cells using Fluorescence Lifetime Imaging Microscopy (FLIM). Journal of Physical Chemistry B, 2013, 117, 8143-8149.	2.6	50
27	Carbon dots for copper detection with down and upconversion fluorescent properties as excitation sources. Chemical Communications, 2013, 49, 1103.	4.1	261
28	Fluorescence Lifetime Imaging Microscopy for the Detection of Intracellular pH with Quantum Dot Nanosensors. ACS Nano, 2013, 7, 6387-6395.	14.6	165
29	SOLVING SINGLE BIOMOLECULES BY ADVANCED FRET-BASED SINGLE-MOLECULE FLUORESCENCE TECHNIQUES. Biophysical Reviews and Letters, 2013, 08, 161-190.	0.8	12
30	Early Amyloidogenic Oligomerization Studied through Fluorescence Lifetime Correlation Spectroscopy. International Journal of Molecular Sciences, 2012, 13, 9400-9418.	4.1	22
31	Ubiquitin chain conformation regulates recognition and activity of interacting proteins. Nature, 2012, 492, 266-270.	27.8	166
32	A chloride ion nanosensor for time-resolved fluorimetry and fluorescence lifetime imaging. Analyst, The, 2012, 137, 1500.	3.5	53
33	Visible Absorption and Fluorescence Spectroscopy of Conformationally Constrained, Annulated BODIPY Dyes. Journal of Physical Chemistry A, 2012, 116, 9621-9631.	2.5	51
34	Bulk and Single-Molecule Fluorescence Studies of the Saturation of the DNA Double Helix Using YOYO-3 Intercalator Dye. Journal of Physical Chemistry B, 2012, 116, 11561-11569.	2.6	7
35	Fluorescent nanoparticles for intracellular sensing: A review. Analytica Chimica Acta, 2012, 751, 1-23.	5.4	276
36	Dynamics of Water-in-Oil Nanoemulsions Revealed by Fluorescence Lifetime Correlation Spectroscopy. Langmuir, 2011, 27, 12792-12799.	3.5	23

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37	Quantum dot photoluminescence lifetime-based pH nanosensor. Chemical Communications, 2011, 47, 2898.	4.1	72
38	Effect of Surface Modification on Semiconductor Nanocrystal Fluorescence Lifetime. ChemPhysChem, 2011, 12, 919-929.	2.1	26
39	Analytical Nanosphere Sensors Using Quantum Dotâ˜Enzyme Conjugates for Urea and Creatinine. Analytical Chemistry, 2010, 82, 9043-9049.	6.5	70
40	Formation of Stable BOBO-3 H-Aggregate Complexes Hinders DNA Hybridization. Journal of Physical Chemistry B, 2010, 114, 9063-9071.	2.6	9
41	Photophysics and Binding Constant Determination of the Homodimeric Dye BOBO-3 and DNA Oligonucleotides. Journal of Physical Chemistry B, 2010, 114, 1094-1103.	2.6	17
42	Binding of BOBO-3 Intercalative Dye to DNA Homo-Oligonucleotides with Different Base Compositions. Journal of Physical Chemistry B, 2010, 114, 6713-6721.	2.6	12
43	Ratiometric pH-dot ANSors. Analyst, The, 2010, 135, 1585.	3.5	42
44	Similarity between the kinetic parameters of the buffer-mediated proton exchange reaction of a xanthenic derivative in its ground- and excited-state. Physical Chemistry Chemical Physics, 2010, 12, 323-327.	2.8	13
45	Multiplexed energy transfer mechanisms in a dual-function quantum dot for zinc and manganese. Analyst, The, 2009, 134, 159-169.	3.5	53
46	A quantum dotâ€“lucigenin probe for Clâ˜. Analyst, The, 2008, 133, 1556.	3.5	49
47	Pharmaceutical powders analysis using FT-Raman spectrometry: Simultaneous determination of sulfathiazole and sulfanilamide. Talanta, 2008, 74, 1603-1607.	5.5	12
48	Azamacrocycle Activated Quantum Dot for Zinc Ion Detection. Analytical Chemistry, 2008, 80, 8260-8268.	6.5	139
49	A multi-ion particle sensor. Chemical Communications, 2007, , 1544.	4.1	48
50	Ultrasonic Trapping of Microparticles in Suspension and Reaction Monitoring Using Raman Microspectroscopy. Analytical Chemistry, 2007, 79, 7853-7857.	6.5	25
51	The Emerging Use of Quantum Dots in Analysis. Analytical Letters, 2007, 40, 1497-1520.	1.8	63
52	K+-selective nanospheres: maximising response range and minimising response time. Analyst, The, 2006, 131, 1282.	3.5	59
53	Resolution of Biparametric Mixtures Using Bead Injection Spectroscopic Flow-through Renewable Surface Sensors. Analytical Sciences, 2005, 21, 1079-1084.	1.6	17
54	Flow-through sensor with Fourier transform Raman detection for determination of sulfonamides. Analyst, The, 2005, 130, 1617.	3.5	18

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55	A flow-injection renewable surface sensor for the fluorimetric determination of vanadium(V) with Alizarin Red S. Talanta, 2005, 66, 1333-1339.	5.5	41
56	Bead injection spectroscopy-flow injection analysis (BIS-FIA): an interesting tool applicable to pharmaceutical analysis. Journal of Pharmaceutical and Biomedical Analysis, 2004, 35, 1027-1034.	2.8	31
57	Implementation of flow-through multi-sensors with bead injection spectroscopy: fluorimetric renewable surface biparameter sensor for determination of berillium and aluminum. Talanta, 2004, 62, 879-886.	5.5	24
58	Use of a solid sensing zone implemented with unsegmented flow analysis for simultaneous determination of thiabendazole and warfarin. Analytica Chimica Acta, 2002, 459, 235-243.	5.4	27
59	A Flow-through Sensing Device with Fluorometric Transduction for the Determination of Warfarin by Using an Anion-Exchanger Gel Combined with an FIA System.. Analytical Sciences, 2001, 17, 1007-1010.	1.6	7