

# Maria J Ruedas-Rama

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

2,420  
citations

249298

26  
h-index

223390

49  
g-index

60  
all docs

60  
docs citations

60  
times ranked

4372  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent nanoparticles for intracellular sensing: A review. <i>Analytica Chimica Acta</i> , 2012, 751, 1-23.	2.6	276
2	Carbon dots for copper detection with down and upconversion fluorescent properties as excitation sources. <i>Chemical Communications</i> , 2013, 49, 1103.	2.2	261
3	Ubiquitin chain conformation regulates recognition and activity of interacting proteins. <i>Nature</i> , 2012, 492, 266-270.	13.7	166
4	Fluorescence Lifetime Imaging Microscopy for the Detection of Intracellular pH with Quantum Dot Nanosensors. <i>ACS Nano</i> , 2013, 7, 6387-6395.	7.3	165
5	Azamacrocyclic Activated Quantum Dot for Zinc Ion Detection. <i>Analytical Chemistry</i> , 2008, 80, 8260-8268.	3.2	139
6	Quantum dot photoluminescence lifetime-based pH nanosensor. <i>Chemical Communications</i> , 2011, 47, 2898.	2.2	72
7	Analytical Nanosphere Sensors Using Quantum Dot-Enzyme Conjugates for Urea and Creatinine. <i>Analytical Chemistry</i> , 2010, 82, 9043-9049.	3.2	70
8	The Emerging Use of Quantum Dots in Analysis. <i>Analytical Letters</i> , 2007, 40, 1497-1520.	1.0	63
9	8-HaloBODIPYs and Their 8-(C, N, O, S) Substituted Analogues: Solvent Dependent UV-Vis Spectroscopy, Variable Temperature NMR, Crystal Structure Determination, and Quantum Chemical Calculations. <i>Journal of Physical Chemistry A</i> , 2014, 118, 1576-1594.	1.1	62
10	K <sup>+</sup> -selective nanospheres: maximising response range and minimising response time. <i>Analyst</i> , 2006, 131, 1282.	1.7	59
11	Unusual spectroscopic and photophysical properties of meso-tert-butylBODIPY in comparison to related alkylated BODIPY dyes. <i>RSC Advances</i> , 2015, 5, 89375-89388.	1.7	58
12	Multiplexed energy transfer mechanisms in a dual-function quantum dot for zinc and manganese. <i>Analyst</i> , 2009, 134, 159-169.	1.7	53
13	A chloride ion nanosensor for time-resolved fluorimetry and fluorescence lifetime imaging. <i>Analyst</i> , 2012, 137, 1500.	1.7	53
14	OFF/ON switching of circularly polarized luminescence by oxophilic interaction of homochiral sulfoxide-containing <i>chiral</i> -OPEs with metal cations. <i>Chemical Communications</i> , 2018, 54, 13985-13988.	2.2	53
15	Visible Absorption and Fluorescence Spectroscopy of Conformationally Constrained, Annulated BODIPY Dyes. <i>Journal of Physical Chemistry A</i> , 2012, 116, 9621-9631.	1.1	51
16	Real-Time Phosphate Sensing in Living Cells using Fluorescence Lifetime Imaging Microscopy (FLIM). <i>Journal of Physical Chemistry B</i> , 2013, 117, 8143-8149.	1.2	50
17	A quantum dot-luciferin probe for Cl <sup>-</sup> . <i>Analyst</i> , 2008, 133, 1556.	1.7	49
18	A multi-ion particle sensor. <i>Chemical Communications</i> , 2007, , 1544.	2.2	48

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19	Ratiometric pH-dot ANSors. <i>Analyst, The</i> , 2010, 135, 1585.	1.7	42
20	A flow-injection renewable surface sensor for the fluorimetric determination of vanadium(V) with Alizarin Red S. <i>Talanta</i> , 2005, 66, 1333-1339.	2.9	41
21	Bead injection spectroscopy-flow injection analysis (BIS-FIA): an interesting tool applicable to pharmaceutical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 35, 1027-1034.	1.4	31
22	Two-Step Amyloid Aggregation: Sequential Lag Phase Intermediates. <i>Scientific Reports</i> , 2017, 7, 40065.	1.6	30
23	Novel <i>ortho</i> -OPE metallofoldamers: binding-induced folding promoted by nucleating Ag-alkyne interactions. <i>Chemical Science</i> , 2014, 5, 4582-4591.	3.7	29
24	Use of a solid sensing zone implemented with unsegmented flow analysis for simultaneous determination of thiabendazole and warfarin. <i>Analytica Chimica Acta</i> , 2002, 459, 235-243.	2.6	27
25	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. <i>RSC Advances</i> , 2016, 6, 102899-102913.	1.7	27
26	Effect of Surface Modification on Semiconductor Nanocrystal Fluorescence Lifetime. <i>ChemPhysChem</i> , 2011, 12, 919-929.	1.0	26
27	Ultrasonic Trapping of Microparticles in Suspension and Reaction Monitoring Using Raman Microspectroscopy. <i>Analytical Chemistry</i> , 2007, 79, 7853-7857.	3.2	25
28	Implementation of flow-through multi-sensors with bead injection spectroscopy: fluorimetric renewable surface biparameter sensor for determination of berillium and aluminum. <i>Talanta</i> , 2004, 62, 879-886.	2.9	24
29	Dynamics of Water-in-Oil Nanoemulsions Revealed by Fluorescence Lifetime Correlation Spectroscopy. <i>Langmuir</i> , 2011, 27, 12792-12799.	1.6	23
30	New Dual Fluorescent Probe for Simultaneous Biothiol and Phosphate Bioimaging. <i>Chemistry - A European Journal</i> , 2015, 21, 14772-14779.	1.7	23
31	Early Amyloidogenic Oligomerization Studied through Fluorescence Lifetime Correlation Spectroscopy. <i>International Journal of Molecular Sciences</i> , 2012, 13, 9400-9418.	1.8	22
32	Flow-through sensor with Fourier transform Raman detection for determination of sulfonamides. <i>Analyst, The</i> , 2005, 130, 1617.	1.7	18
33	Resolution of Biparametric Mixtures Using Bead Injection Spectroscopic Flow-through Renewable Surface Sensors. <i>Analytical Sciences</i> , 2005, 21, 1079-1084.	0.8	17
34	Photophysics and Binding Constant Determination of the Homodimeric Dye BOBO-3 and DNA Oligonucleotides. <i>Journal of Physical Chemistry B</i> , 2010, 114, 1094-1103.	1.2	17
35	Development of a New Dual Polarity and Viscosity Probe Based on the Foldamer Concept. <i>Organic Letters</i> , 2015, 17, 2844-2847.	2.4	17
36	Intracellular Zn <sup>2+</sup> detection with quantum dot-based FLIM nanosensors. <i>Chemical Communications</i> , 2015, 51, 16964-16967.	2.2	17

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37	Nitrogen-Induced Transformation of Vitamin C into Multifunctional Upconverting Carbon Nanodots in the Visible-NIR Range. <i>Chemistry - A European Journal</i> , 2017, 23, 3067-3073.	1.7	15
38	Metallofluorescent Nanoparticles for Multimodal Applications. <i>ACS Omega</i> , 2018, 3, 144-153.	1.6	15
39	Synthesis and Spectroscopy of Benzylamine-Substituted BODIPYs for Bioimaging. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2561-2571.	1.2	14
40	Similarity between the kinetic parameters of the buffer-mediated proton exchange reaction of a xanthenic derivative in its ground- and excited-state. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 323-327.	1.3	13
41	miR-122 direct detection in human serum by time-gated fluorescence imaging. <i>Chemical Communications</i> , 2019, 55, 14958-14961.	2.2	13
42	Pharmaceutical powders analysis using FT-Raman spectrometry: Simultaneous determination of sulfathiazole and sulfanilamide. <i>Talanta</i> , 2008, 74, 1603-1607.	2.9	12
43	Binding of BOBO-3 Intercalative Dye to DNA Homo-Oligonucleotides with Different Base Compositions. <i>Journal of Physical Chemistry B</i> , 2010, 114, 6713-6721.	1.2	12
44	SOLVING SINGLE BIOMOLECULES BY ADVANCED FRET-BASED SINGLE-MOLECULE FLUORESCENCE TECHNIQUES. <i>Biophysical Reviews and Letters</i> , 2013, 08, 161-190.	0.9	12
45	pH sensitive quantum dot-anthraquinone nanoconjugates. <i>Nanotechnology</i> , 2014, 25, 195501.	1.3	12
46	The First Step of Amyloidogenic Aggregation. <i>Journal of Physical Chemistry B</i> , 2015, 119, 8260-8267.	1.2	12
47	Rational design of a new fluorescent ON/OFF xanthene dye for phosphate detection in live cells. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 6432-6439.	1.5	11
48	A Quantum Dot-Based FLIM Glucose Nanosensor. <i>Sensors</i> , 2019, 19, 4992.	2.1	11
49	Formation of Stable BOBO-3 H-Aggregate Complexes Hinders DNA Hybridization. <i>Journal of Physical Chemistry B</i> , 2010, 114, 9063-9071.	1.2	9
50	Interaction of YOYO-3 with Different DNA Templates to Form H-Aggregates. <i>Journal of Physical Chemistry B</i> , 2014, 118, 6098-6106.	1.2	9
51	Mitochondrial pH Nanosensors for Metabolic Profiling of Breast Cancer Cell Lines. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3731.	1.8	8
52	A Flow-through Sensing Device with Fluorometric Transduction for the Determination of Warfarin by Using an Anion-Exchanger Gel Combined with an FIA System. <i>Analytical Sciences</i> , 2001, 17, 1007-1010.	0.8	7
53	Bulk and Single-Molecule Fluorescence Studies of the Saturation of the DNA Double Helix Using YOYO-3 Intercalator Dye. <i>Journal of Physical Chemistry B</i> , 2012, 116, 11561-11569.	1.2	7
54	Single-Molecule FRET Reveals Hidden Complexity in a Protein Energy Landscape. <i>Structure</i> , 2015, 23, 190-198.	1.6	5

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55	Chimeric Drug Design with a Noncharged Carrier for Mitochondrial Delivery. <i>Pharmaceutics</i> , 2021, 13, 254.	2.0	5
56	Protein O-Fucosyltransferase 1 Undergoes Interdomain Flexibility in Solution. <i>Molecules</i> , 2021, 26, 2105.	1.7	5
57	Breast Cancer Cell Subtypes Display Different Metabolic Phenotypes That Correlate with Their Clinical Classification. <i>Biology</i> , 2021, 10, 1267.	1.3	5
58	Circularly Polarized Luminescence of [6]Helicenes through Excited-State Intramolecular Proton Transfer. <i>Helvetica Chimica Acta</i> , 2022, 105, .	1.0	4
59	DIGITAL TEAMS FOR PURSUING EXCELLENCE IN ONLINE EDUCATION. , 2021, , .		0