

Susana Rocha

List of Publications by Citations

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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.

60
papers

2,319
citations

21
h-index

47
g-index

71
ext. papers

2,820
ext. citations

8.7
avg, IF

4.37
L-index

#	Paper	IF	Citations
60	Role of PFKFB3-driven glycolysis in vessel sprouting. <i>Cell</i> , 2013 , 154, 651-63	56.2	798
59	The ER Stress Sensor PERK Coordinates ER-Plasma Membrane Contact Site Formation through Interaction with Filamin-A and F-Actin Remodeling. <i>Molecular Cell</i> , 2017 , 65, 885-899.e6	17.6	114
58	Quantitative multicolor super-resolution microscopy reveals tetherin HIV-1 interaction. <i>PLoS Pathogens</i> , 2011 , 7, e1002456	7.6	108
57	Water-soluble monofunctional perylene and terylene dyes: powerful labels for single-enzyme tracking. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 3372-5	16.4	105
56	Fluorescent probes for superresolution imaging of lipid domains on the plasma membrane. <i>Chemical Science</i> , 2011 , 2, 1548	9.4	95
55	Live-cell SERS endoscopy using plasmonic nanowire waveguides. <i>Advanced Materials</i> , 2014 , 26, 5124-8	24	93
54	Polymeric Engineering of Nanoparticles for Highly Efficient Multifunctional Drug Delivery Systems. <i>Scientific Reports</i> , 2019 , 9, 2666	4.9	73
53	Green-to-red photoconvertible Dronpa mutant for multimodal super-resolution fluorescence microscopy. <i>ACS Nano</i> , 2014 , 8, 1664-73	16.7	68
52	Role of glutamine synthetase in angiogenesis beyond glutamine synthesis. <i>Nature</i> , 2018 , 561, 63-69	50.4	68
51	Mapping of surface-enhanced fluorescence on metal nanoparticles using super-resolution photoactivation localization microscopy. <i>ChemPhysChem</i> , 2012 , 13, 973-81	3.2	60
50	Linking phospholipase mobility to activity by single-molecule wide-field microscopy. <i>ChemPhysChem</i> , 2009 , 10, 151-61	3.2	58
49	Visualization of molecular fluorescence point spread functions via remote excitation switching fluorescence microscopy. <i>Nature Communications</i> , 2015 , 6, 6287	17.4	53
48	Super-resolution Localization and Defocused Fluorescence Microscopy on Resonantly Coupled Single-Molecule, Single-Nanorod Hybrids. <i>ACS Nano</i> , 2016 , 10, 2455-66	16.7	50
47	A surface-bound molecule that undergoes optically biased Brownian rotation. <i>Nature Nanotechnology</i> , 2014 , 9, 131-6	28.7	48
46	Influence of lipid heterogeneity and phase behavior on phospholipase A2 action at the single molecule level. <i>Biophysical Journal</i> , 2010 , 98, 1873-82	2.9	44
45	Local elongation of endothelial cell-anchored von Willebrand factor strings precedes ADAMTS13 protein-mediated proteolysis. <i>Journal of Biological Chemistry</i> , 2011 , 286, 36361-7	5.4	39
44	Water-Soluble Monofunctional Perylene and Terylene Dyes: Powerful Labels for Single-Enzyme Tracking. <i>Angewandte Chemie</i> , 2008 , 120, 3420-3423	3.6	39

43	Ensemble and single particle fluorimetric techniques in concerted action to study the diffusion and aggregation of the glycine receptor β isoforms in the cell plasma membrane. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012 , 1818, 3131-40	3.8	25
42	Capsid-Labelled HIV To Investigate the Role of Capsid during Nuclear Import and Integration. <i>Journal of Virology</i> , 2020 , 94,	6.6	24
41	Dynamic Oligomerization of Integrase Orchestrates HIV Nuclear Entry. <i>Scientific Reports</i> , 2016 , 6, 36485	4.9	24
40	Analysis of alpha3 GlyR single particle tracking in the cell membrane. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014 , 1843, 544-53	4.9	23
39	The HIV-1 integrase mutant R263A/K264A is 2-fold defective for TRN-SR2 binding and viral nuclear import. <i>Journal of Biological Chemistry</i> , 2014 , 289, 25351-61	5.4	21
38	From 2D to 3D Cancer Cell Models-The Enigmas of Drug Delivery Research. <i>Nanomaterials</i> , 2020 , 10,	5.4	20
37	Super-resolution mapping of glutamate receptors in <i>C. elegans</i> by confocal correlated PALM. <i>Scientific Reports</i> , 2015 , 5, 13532	4.9	19
36	Membrane distribution of the glycine receptor β studied by optical super-resolution microscopy. <i>Histochemistry and Cell Biology</i> , 2014 , 142, 79-90	2.4	16
35	Unraveling excited-state dynamics in a polyfluorene-perylenediimide copolymer. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 1277-86	3.4	16
34	Spectroscopic properties, excitation, and electron transfer in an anionic water-soluble poly(fluorene-alt-phenylene)-perylenediimide copolymer. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 7548-59	3.4	14
33	Structural characterization of fibrous synthetic hydrogels using fluorescence microscopy. <i>Soft Matter</i> , 2020 , 16, 4210-4219	3.6	13
32	Improved HaloTag Ligand Enables BRET Imaging With NanoLuc. <i>Frontiers in Chemistry</i> , 2019 , 7, 938	5	13
31	Photoswitchable fluorescent proteins for superresolution fluorescence microscopy circumventing the diffraction limit of light. <i>Methods in Molecular Biology</i> , 2014 , 1076, 793-812	1.4	13
30	Fast-tracking of single emitters in large volumes with nanometer precision. <i>Optics Express</i> , 2020 , 28, 28656-28671	5.6	11
29	The mutation of Transportin 3 gene that causes limb girdle muscular dystrophy 1F induces protection against HIV-1 infection. <i>PLoS Pathogens</i> , 2019 , 15, e1007958	7.6	11
28	Single Viruses on the Fluorescence Microscope: Imaging Molecular Mobility, Interactions and Structure Sheds New Light on Viral Replication. <i>Viruses</i> , 2018 , 10,	6.2	11
27	Fluorescence Photobleaching as an Intrinsic Tool to Quantify the 3D Expansion Factor of Biological Samples in Expansion Microscopy. <i>ACS Omega</i> , 2020 , 5, 6792-6799	3.9	10
26	Excited state dynamics of the photoconvertible fluorescent protein Kaede revealed by ultrafast spectroscopy. <i>Photochemical and Photobiological Sciences</i> , 2014 , 13, 867-74	4.2	10

25	Membrane remodeling processes induced by phospholipase action. <i>Langmuir</i> , 2014 , 30, 4743-51	4	10
24	Mapping Transient Protein Interactions at the Nanoscale in Living Mammalian Cells. <i>ACS Nano</i> , 2018 , 12, 9842-9854	16.7	9
23	Mechanism Behind the Apparent Large Stokes Shift in LSSmOrange Investigated by Time-Resolved Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 14880-91	3.4	8
22	Photoconversion of Far-Red Organic Dyes: Implications for Multicolor Super-Resolution Imaging. <i>ChemPhotoChem</i> , 2018 , 2, 433-441	3.3	8
21	HIV virions as nanoscopic test tubes for probing oligomerization of the integrase enzyme. <i>ACS Nano</i> , 2014 , 8, 3531-45	16.7	8
20	FRET-based intracellular investigation of nanoprodugs toward highly efficient anticancer drug delivery. <i>Nanoscale</i> , 2020 , 12, 16710-16715	7.7	8
19	Orthogonal Probing of Single-Molecule Heterogeneity by Correlative Fluorescence and Force Microscopy. <i>ACS Nano</i> , 2018 , 12, 168-177	16.7	6
18	Cellular localization and dynamics of the Mrr type IV restriction endonuclease of Escherichia coli. <i>Nucleic Acids Research</i> , 2014 , 42, 3908-18	20.1	6
17	EGF RECEPTOR DYNAMICS IN EGF-RESPONDING CELLS REVEALED BY FUNCTIONAL IMAGING DURING SINGLE PARTICLE TRACKING. <i>Biophysical Reviews and Letters</i> , 2013 , 08, 229-242	1.2	6
16	Polymorphic forms of o-benzylphenol and slow molecular motions in the amorphous state. <i>Journal of Non-Crystalline Solids</i> , 2004 , 344, 119-127	3.9	6
15	Synergy of Advanced Experimental and Modeling Tools to Underpin the Synthesis of Static Step-Growth-Based Networks Involving Polymeric Precursor Building Blocks. <i>Macromolecules</i> , 2021 , 54, 9280-9298	5.5	6
14	Photoconvertible Behavior of LSSmOrange Applicable for Single Emission Band Optical Highlighting. <i>Biophysical Journal</i> , 2016 , 111, 1014-25	2.9	6
13	Imaging the Replication of Single Viruses: Lessons Learned from HIV and Future Challenges To Overcome. <i>ACS Nano</i> , 2020 , 14, 10775-10783	16.7	4
12	Chimeric Drug Design with a Noncharged Carrier for Mitochondrial Delivery. <i>Pharmaceutics</i> , 2021 , 13,	6.4	4
11	Gold-Etched Silver Nanowire Endoscopy: Toward a Widely Accessible Platform for Surface-Enhanced Raman Scattering-Based Analysis in Living Cells. <i>Analytical Chemistry</i> , 2021 , 93, 5037-5045	7.8	3
10	Spatial Proteomic Analysis of Isogenic Metastatic Colorectal Cancer Cells Reveals Key Dysregulated Proteins Associated with Lymph Node, Liver, and Lung Metastasis.. <i>Cells</i> , 2022 , 11,	7.9	2
9	Quantification of FRET-induced angular displacement by monitoring sensitized acceptor anisotropy using a dim fluorescent donor. <i>Nature Communications</i> , 2021 , 12, 2541	17.4	2
8	Single particle tracking of ADAMTS13 (a disintegrin and metalloprotease with thrombospondin type-1 repeats) molecules on endothelial von Willebrand factor strings. <i>Journal of Biological Chemistry</i> , 2014 , 289, 8903-15	5.4	1

7	Watching Individual Enzymes at Work. <i>Springer Series in Chemical Physics</i> , 2010 , 495-511	0.3	1
6	Development and characterization of BODIPY-derived tracers for fluorescent labeling of the endoplasmic reticulum. <i>Dyes and Pigments</i> , 2020 , 176, 108200	4.6	1
5	Spatially and Temporally Resolved Heterogeneities in a Miscible Polymer Blend. <i>ACS Omega</i> , 2020 , 5, 23931-23939	3.9	1
4	Gold-Photodeposited Silver Nanowire Endoscopy for Cytosolic and Nuclear pH Sensing. <i>ACS Applied Nano Materials</i> , 2021 , 4, 9886-9894	5.6	1
3	Label-Free Iron Oxide Nanoparticles as Multimodal Contrast Agents in Cells Using Multi-Photon and Magnetic Resonance Imaging.. <i>International Journal of Nanomedicine</i> , 2021 , 16, 8375-8389	7.3	1
2	Correlative Atomic Force and Single-Molecule Fluorescence Microscopy of Nucleoprotein Complexes. <i>Methods in Molecular Biology</i> , 2018 , 1814, 339-359	1.4	0
1	Two-Photon-Induced [2 + 2] Cycloaddition of Bis-thymines: A Biocompatible and Reversible Approach. <i>ACS Omega</i> , 2020 , 5, 11547-11552	3.9	0