Susana Rocha

List of Publications by Year in Descending Order

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	Spatial Proteomic Analysis of Isogenic Metastatic Colorectal Cancer Cells Reveals Key Dysregulated Proteins Associated with Lymph Node, Liver, and Lung Metastasis.. *Cells*, **2022**, 11,	7.9	2
59	Synergy of Advanced Experimental and Modeling Tools to Underpin the Synthesis of Static Step-Growth-Based Networks Involving Polymeric Precursor Building Blocks. *Macromolecules*, **2021**, 54, 9280-9298	5.5	6
58	Quantification of FRET-induced angular displacement by monitoring sensitized acceptor anisotropy using a dim fluorescent donor. *Nature Communications*, **2021**, 12, 2541	17.4	2
57	Gold-Etched Silver Nanowire Endoscopy: Toward a Widely Accessible Platform for Surface-Enhanced Raman Scattering-Based Analysis in Living Cells. *Analytical Chemistry*, **2021**, 93, 5037-5045	7.8	3
56	Chimeric Drug Design with a Noncharged Carrier for Mitochondrial Delivery. *Pharmaceutics*, **2021**, 13,	6.4	4
55	Gold-Photodeposited Silver Nanowire Endoscopy for Cytosolic and Nuclear pH Sensing. *ACS Applied Nano Materials*, **2021**, 4, 9886-9894	5.6	1
54	Label-Free Iron Oxide Nanoparticles as Multimodal Contrast Agents in Cells Using Multi-Photon and Magnetic Resonance Imaging.. *International Journal of Nanomedicine*, **2021**, 16, 8375-8389	7.3	1
53	Structural characterization of fibrous synthetic hydrogels using fluorescence microscopy. *Soft Matter*, **2020**, 16, 4210-4219	3.6	13
52	Fluorescence Photobleaching as an Intrinsic Tool to Quantify the 3D Expansion Factor of Biological Samples in Expansion Microscopy. *ACS Omega*, **2020**, 5, 6792-6799	3.9	10
51	Capsid-Labelled HIV To Investigate the Role of Capsid during Nuclear Import and Integration. *Journal of Virology*, **2020**, 94,	6.6	24
50	Fast-tracking of single emitters in large volumes with nanometer precision. *Optics Express*, **2020**, 28, 28656-28671	3.9	11
49	Development and characterization of BODIPY-derived tracers for fluorescent labeling of the endoplasmic reticulum. *Dyes and Pigments*, **2020**, 176, 108200	4.6	1
48	Two-Photon-Induced [2 + 2] Cycloaddition of Bis-thymines: A Biocompatible and Reversible Approach. *ACS Omega*, **2020**, 5, 11547-11552	3.9	0
47	From 2D to 3D Cancer Cell Models-The Enigmas of Drug Delivery Research. *Nanomaterials*, **2020**, 10,	5.4	20
46	FRET-based intracellular investigation of nanoprodrugs toward highly efficient anticancer drug delivery. *Nanoscale*, **2020**, 12, 16710-16715	7.7	8
45	Spatially and Temporally Resolved Heterogeneities in a Miscible Polymer Blend. *ACS Omega*, **2020**, 5, 23931-23939	3.9	1
44	Imaging the Replication of Single Viruses: Lessons Learned from HIV and Future Challenges To Overcome. *ACS Nano*, **2020**, 14, 10775-10783	16.7	4

43	The mutation of Transportin 3 gene that causes limb girdle muscular dystrophy 1F induces protection against HIV-1 infection. *PLoS Pathogens*, **2019**, 15, e1007958	7.6	11
42	Polymeric Engineering of Nanoparticles for Highly Efficient Multifunctional Drug Delivery Systems. *Scientific Reports*, **2019**, 9, 2666	4.9	73
41	Improved HaloTag Ligand Enables BRET Imaging With NanoLuc. *Frontiers in Chemistry*, **2019**, 7, 938	5	13
40	Photoconversion of Far-Red Organic Dyes: Implications for Multicolor Super-Resolution Imaging. *ChemPhotoChem*, **2018**, 2, 433-441	3.3	8
39	Orthogonal Probing of Single-Molecule Heterogeneity by Correlative Fluorescence and Force Microscopy. *ACS Nano*, **2018**, 12, 168-177	16.7	6
38	Correlative Atomic Force and Single-Molecule Fluorescence Microscopy of Nucleoprotein Complexes. *Methods in Molecular Biology*, **2018**, 1814, 339-359	1.4	0
37	Single Viruses on the Fluorescence Microscope: Imaging Molecular Mobility, Interactions and Structure Sheds New Light on Viral Replication. *Viruses*, **2018**, 10,	6.2	11
36	Mapping Transient Protein Interactions at the Nanoscale in Living Mammalian Cells. *ACS Nano*, **2018**, 12, 9842-9854	16.7	9
35	Role of glutamine synthetase in angiogenesis beyond glutamine synthesis. *Nature*, **2018**, 561, 63-69	50.4	68
34	The ER Stress Sensor PERK Coordinates ER-Plasma Membrane Contact Site Formation through Interaction with Filamin-A and F-Actin Remodeling. *Molecular Cell*, **2017**, 65, 885-899.e6	17.6	114
33	Dynamic Oligomerization of Integrase Orchestrates HIV Nuclear Entry. *Scientific Reports*, **2016**, 6, 36485	4.9	24
32	Super-resolution Localization and Defocused Fluorescence Microscopy on Resonantly Coupled Single-Molecule, Single-Nanorod Hybrids. *ACS Nano*, **2016**, 10, 2455-66	16.7	50
31	Photoconvertible Behavior of LSSmOrange Applicable for Single Emission Band Optical Highlighting. *Biophysical Journal*, **2016**, 111, 1014-25	2.9	6
30	Visualization of molecular fluorescence point spread functions via remote excitation switching fluorescence microscopy. *Nature Communications*, **2015**, 6, 6287	17.4	53
29	Mechanism Behind the Apparent Large Stokes Shift in LSSmOrange Investigated by Time-Resolved Spectroscopy. *Journal of Physical Chemistry B*, **2015**, 119, 14880-91	3.4	8
28	Super-resolution mapping of glutamate receptors in C. elegans by confocal correlated PALM. *Scientific Reports*, **2015**, 5, 13532	4.9	19
27	Membrane distribution of the glycine receptor β studied by optical super-resolution microscopy. *Histochemistry and Cell Biology*, **2014**, 142, 79-90	2.4	16
26	Single particle tracking of ADAMTS13 (a disintegrin and metalloprotease with thrombospondin type-1 repeats) molecules on endothelial von Willebrand factor strings. *Journal of Biological Chemistry*, **2014**, 289, 8903-15	5.4	1

25	Analysis of alpha3 GlyR single particle tracking in the cell membrane. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2014**, 1843, 544-53	4.9	23
24	Excited state dynamics of the photoconvertible fluorescent protein Kaede revealed by ultrafast spectroscopy. *Photochemical and Photobiological Sciences*, **2014**, 13, 867-74	4.2	10
23	Photoswitchable fluorescent proteins for superresolution fluorescence microscopy circumventing the diffraction limit of light. *Methods in Molecular Biology*, **2014**, 1076, 793-812	1.4	13
22	A surface-bound molecule that undergoes optically biased Brownian rotation. *Nature Nanotechnology*, **2014**, 9, 131-6	28.7	48
21	Green-to-red photoconvertible Dronpa mutant for multimodal super-resolution fluorescence microscopy. *ACS Nano*, **2014**, 8, 1664-73	16.7	68
20	Membrane remodeling processes induced by phospholipase action. *Langmuir*, **2014**, 30, 4743-51	4	10
19	HIV virions as nanoscopic test tubes for probing oligomerization of the integrase enzyme. *ACS Nano*, **2014**, 8, 3531-45	16.7	8
18	Live-cell SERS endoscopy using plasmonic nanowire waveguides. *Advanced Materials*, **2014**, 26, 5124-8	24	93
17	Cellular localization and dynamics of the Mrr type IV restriction endonuclease of Escherichia coli. *Nucleic Acids Research*, **2014**, 42, 3908-18	20.1	6
16	The HIV-1 integrase mutant R263A/K264A is 2-fold defective for TRN-SR2 binding and viral nuclear import. *Journal of Biological Chemistry*, **2014**, 289, 25351-61	5.4	21
15	Role of PFKFB3-driven glycolysis in vessel sprouting. *Cell*, **2013**, 154, 651-63	56.2	798
14	EGF RECEPTOR DYNAMICS IN EGF-RESPONDING CELLS REVEALED BY FUNCTIONAL IMAGING DURING SINGLE PARTICLE TRACKING. *Biophysical Reviews and Letters*, **2013**, 08, 229-242	1.2	6
13	Spectroscopic properties, excitation, and electron transfer in an anionic water-soluble poly(fluorene-alt-phenylene)-perylenediimide copolymer. *Journal of Physical Chemistry B*, **2012**, 116, 7548-59	3.4	14
12	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. *Biochimica Et Biophysica Acta - Biomembranes*, **2012**, 1818, 3131-40	3.8	25
11	Mapping of surface-enhanced fluorescence on metal nanoparticles using super-resolution photoactivation localization microscopy. *ChemPhysChem*, **2012**, 13, 973-81	3.2	60
10	Fluorescent probes for superresolution imaging of lipid domains on the plasma membrane. *Chemical Science*, **2011**, 2, 1548	9.4	95
9	Local elongation of endothelial cell-anchored von Willebrand factor strings precedes ADAMTS13 protein-mediated proteolysis. *Journal of Biological Chemistry*, **2011**, 286, 36361-7	5.4	39
8	Quantitative multicolor super-resolution microscopy reveals tetherin HIV-1 interaction. *PLoS Pathogens*, **2011**, 7, e1002456	7.6	108

7	Unraveling excited-state dynamics in a polyfluorene-perylenediimide copolymer. *Journal of Physical Chemistry B*, **2010**, 114, 1277-86	3.4	16
6	Influence of lipid heterogeneity and phase behavior on phospholipase A2 action at the single molecule level. *Biophysical Journal*, **2010**, 98, 1873-82	2.9	44
5	Watching Individual Enzymes at Work. *Springer Series in Chemical Physics*, **2010**, 495-511	0.3	1
4	Linking phospholipase mobility to activity by single-molecule wide-field microscopy. *ChemPhysChem*, **2009**, 10, 151-61	3.2	58
3	Water-soluble monofunctional perylene and terrylene dyes: powerful labels for single-enzyme tracking. *Angewandte Chemie - International Edition*, **2008**, 47, 3372-5	16.4	105
2	Water-Soluble Monofunctional Perylene and Terrylene Dyes: Powerful Labels for Single-Enzyme Tracking. *Angewandte Chemie*, **2008**, 120, 3420-3423	3.6	39
1	Polymorphic forms of o-benzylphenol and slow molecular motions in the amorphous state. *Journal of Non-Crystalline Solids*, **2004**, 344, 119-127	3.9	6