

# Ignacio Izeddin

## List of Publications by Year in descending order

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34  
papers

2,487  
citations

361388

20  
h-index

395678

33  
g-index

37  
all docs

37  
docs citations

37  
times ranked

3631  
citing authors

#	ARTICLE	IF	CITATIONS
1	Super-resolution imaging: when biophysics meets nanophotonics. <i>Nanophotonics</i> , 2022, 11, 169-202.	6.0	6
2	Additive Manufacturing of 3D Luminescent $ZrO_2:Eu^{3+}$ Architectures. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	15
3	Anomalous Subdiffusion in Living Cells: Bridging the Gap Between Experiments and Realistic Models Through Collaborative Challenges. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	31
4	Relocating Single Molecules in Super-Resolved Fluorescence Lifetime Images near a Plasmonic Nanostructure. <i>ACS Photonics</i> , 2020, 7, 393-400.	6.6	15
5	Cram�r-Rao analysis of lifetime estimations in time-resolved fluorescence microscopy. <i>Optics Express</i> , 2019, 27, 21239.	3.4	13
6	Multi-scale tracking reveals scale-dependent chromatin dynamics after DNA damage. <i>Molecular Biology of the Cell</i> , 2017, 28, 3323-3332.	2.1	71
7	Single molecule study of non-specific binding kinetics of LacI in mammalian cells. <i>Faraday Discussions</i> , 2015, 184, 393-400.	3.2	23
8	Single-molecule tracking in live cells reveals distinct target-search strategies of transcription factors in the nucleus. <i>ELife</i> , 2014, 3, .	6.0	273
9	Single cell correlation fractal dimension of chromatin. <i>Nucleus</i> , 2014, 5, 75-84.	2.2	40
10	Accessing the third dimension in localization-based super-resolution microscopy. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 16340-16348.	2.8	38
11	Geometry of the nucleus: a perspective on gene expression regulation. <i>Current Opinion in Chemical Biology</i> , 2014, 20, 112-119.	6.1	48
12	The SNARE Sec22b has a non-fusogenic function in plasma membrane expansion. <i>Nature Cell Biology</i> , 2014, 16, 434-444.	10.3	123
13	Visualizing the Ultrastructures and Dynamics of Synapses by Single-Molecule Nanoscopy. <i>Neuromethods</i> , 2014, , 75-91.	0.3	3
14	Quantitative Nanoscopy of Inhibitory Synapses: Counting Gephyrin Molecules and Receptor Binding Sites. <i>Neuron</i> , 2013, 79, 308-321.	8.1	190
15	Real-Time Dynamics of RNA Polymerase II Clustering in Live Human Cells. <i>Science</i> , 2013, 341, 664-667.	12.6	417
16	Dual-color 3D PALM/dSTORM imaging of centrosomal proteins using MicAO 3DSR. <i>Proceedings of SPIE</i> , 2013, , .	0.8	7
17	Wavelet analysis for single molecule localization microscopy. <i>Optics Express</i> , 2012, 20, 2081.	3.4	173
18	PSF shaping using adaptive optics for three-dimensional single-molecule super-resolution imaging and tracking. <i>Optics Express</i> , 2012, 20, 4957.	3.4	140

#	ARTICLE	IF	CITATIONS
19	Super-Resolution Dynamic Imaging of Dendritic Spines Using a Low-Affinity Photoconvertible Actin Probe. PLoS ONE, 2011, 6, e15611.	2.5	137
20	Assessing the localization of centrosomal proteins by PALM/STORM nanoscopy. Cytoskeleton, 2011, 68, 619-627.	2.0	74
21	Lateral Diffusion on Tubular Membranes: Quantification of Measurements Bias. PLoS ONE, 2011, 6, e25731.	2.5	43
22	Endothelium-dependent contraction induced by acetylcholine in the chicken ductus arteriosus involves cyclooxygenase-1 activation and TP receptor stimulation. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2010, 157, 28-34.	1.8	12
23	Saturation of luminescence from Si nanocrystals embedded in SiO <sub>2</sub> . Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 183-187.	1.8	27
24	Mid-infrared spectroscopy of the Er-related donor state in Si/Si:Er <sup>3+</sup> nanolayers. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 146, 131-134.	3.5	0
25	Space-separated quantum cutting with silicon nanocrystals for photovoltaic applications. Nature Photonics, 2008, 2, 105-109.	31.4	302
26	Energy transfer in Er-doped $\text{SiO}_2$ with Si nanocrystals. Physical Review B, 2008, 78, .	4.2	70
27	Donor-State-Enabling Er-Related Luminescence in Silicon: Direct Identification and Resonant Excitation. Physical Review Letters, 2007, 99, 077401.	7.8	29
28	Non-radiative sub-microsecond recombination of excited Er <sup>3+</sup> ions in SiO <sub>2</sub> sensitized with Si nanocrystals. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 38, 144-147.	2.7	7
29	Er-Doped Electro-Optical Memory Element for 1.5- $\mu\text{m}$ Silicon Photonics. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 1539-1544.	2.9	8
30	Isotope effects and temperature-dependence studies on vibrational lifetimes of interstitial oxygen in silicon. Nuclear Instruments & Methods in Physics Research B, 2006, 253, 200-204.	1.4	0
31	Nanosecond Dynamics of the Near-Infrared Photoluminescence of Er-Doped SiO <sub>2</sub> Sensitized with Si Nanocrystals. Physical Review Letters, 2006, 97, 207401.	7.8	87
32	Isotope Dependence of the Lifetime of the $1136\text{ cm}^{-1}$ Vibration of Oxygen in Silicon. Physical Review Letters, 2006, 96, 225503.	7.8	34
33	Photoluminescence and excitation spectroscopy of the $1.5\text{ }\mu\text{m}$ Er-related band in MBE-grown GaN layers. Superlattices and Microstructures, 2004, 36, 701-705.	3.1	5
34	Excitation paths in RE-doped III-V semiconductors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 105, 141-145.	3.5	12