

Antonino Ingargiola

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,203
citations

758635

12
h-index

676716

22
g-index

39
all docs

39
docs citations

39
times ranked

1530
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward dynamic structural biology: Two decades of single-molecule Förster resonance energy transfer. <i>Science</i> , 2018, 359, .	6.0	414
2	FRET-based dynamic structural biology: Challenges, perspectives and an appeal for open-science practices. <i>ELife</i> , 2021, 10, .	2.8	152
3	Optical crosstalk in single photon avalanche diode arrays: a new complete model. <i>Optics Express</i> , 2008, 16, 8381.	1.7	106
4	Backtracked and paused transcription initiation intermediate of <i>Escherichia coli</i> RNA polymerase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6562-E6571.	3.3	78
5	FRETBursts: An Open Source Toolkit for Analysis of Freely-Diffusing Single-Molecule FRET. <i>PLoS ONE</i> , 2016, 11, e0160716.	1.1	62
6	Silicon Photon-Counting Avalanche Diodes for Single-Molecule Fluorescence Spectroscopy. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014, 20, 248-267.	1.9	56
7	Photon-HDF5: An Open File Format for Timestamp-Based Single-Molecule Fluorescence Experiments. <i>Biophysical Journal</i> , 2016, 110, 26-33.	0.2	45
8	Photon-Timing Jitter Dependence on Injection Position in Single-Photon Avalanche Diodes. <i>IEEE Journal of Quantum Electronics</i> , 2011, 47, 151-159.	1.0	36
9	A New Approach to Optical Crosstalk Modeling in Single-Photon Avalanche Diodes. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 330-332.	1.3	35
10	Membrane insertion of α and membrane potential sensing by β semiconductor voltage nanosensors: Feasibility demonstration. <i>Science Advances</i> , 2018, 4, e1601453.	4.7	33
11	Characterizing highly dynamic conformational states: The transcription bubble in RNAP-promoter open complex as an example. <i>Journal of Chemical Physics</i> , 2018, 148, 123315.	1.2	29
12	Multispot single-molecule FRET: High-throughput analysis of freely diffusing molecules. <i>PLoS ONE</i> , 2017, 12, e0175766.	1.1	27
13	8-spot smFRET analysis using two 8-pixel SPAD arrays. , 2013, 8590, .		23
14	Monte Carlo Diffusion-Enhanced Photon Inference: Distance Distributions and Conformational Dynamics in Single-Molecule FRET. <i>Journal of Physical Chemistry B</i> , 2018, 122, 11598-11615.	1.2	17
15	Different types of pausing modes during transcription initiation. <i>Transcription</i> , 2017, 8, 242-253.	1.7	16
16	Single-molecule FRET experiments with a red-enhanced custom technology SPAD. , 2013, 8590, .		13
17	48-spot single-molecule FRET setup with periodic acceptor excitation. <i>Journal of Chemical Physics</i> , 2018, 148, 123304.	1.2	12
18	Photon-HDF5: open data format and computational tools for timestamp-based single-molecule experiments. <i>Proceedings of SPIE</i> , 2016, 9714, .	0.8	10

#	ARTICLE	IF	CITATIONS
19	Avalanche Current Measurements in SPADs by Means of Hot-Carrier Luminescence. IEEE Photonics Technology Letters, 2011, 23, 1319-1321.	1.3	7
20	Optical crosstalk in SPAD arrays for high-throughput single-molecule fluorescence spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 912, 255-258.	0.7	6
21	High-throughput smFRET analysis of freely diffusing nucleic acid molecules and associated proteins. Methods, 2019, 169, 21-45.	1.9	5
22	16-Ch time-resolved single-molecule spectroscopy using line excitation. Proceedings of SPIE, 2017, 10071, .	0.8	4
23	Open Computational Tools for Freely Diffusing Single-Molecule Fluorescence Analysis. Biophysical Journal, 2016, 110, 634a.	0.2	2
24	A Multispot Confocal Platform for High-Throughput Freely Diffusing Single-Molecule FRET Studies. Biophysical Journal, 2016, 110, 194a-195a.	0.2	1
25	Photon-HDF5: An Open File Format for Timestamp-Based Single-Molecule Fluorescence Data. Biophysical Journal, 2016, 110, 633a.	0.2	1
26	Sensing Membrane Potential by Inorganic Semiconductor Nanorods. Biophysical Journal, 2016, 110, 519a-520a.	0.2	0
27	A 16 Channel Spad Array for High-Throughput Tcspc Measurements of Single-Molecule FRET of Freely Diffusing Molecules. Biophysical Journal, 2016, 110, 633a.	0.2	0
28	Pausing in Escherichia coli Transcription Initiation. Biophysical Journal, 2016, 110, 231a.	0.2	0