

Enrico Gratton

List of Publications by Year in descending order

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Version: 2024-02-01

552
papers

42,899
citations

1371

108
h-index

3650

180
g-index

570
all docs

570
docs citations

570
times ranked

31544
citing authors

#	ARTICLE	IF	CITATIONS
1	Dengue Virus Capsid-Protein Dynamics in Live Infected Cells Studied by Pair Correlation. <i>Methods in Molecular Biology</i> , 2022, 2409, 99-117.	0.9	1
2	Spatial transcriptomics using combinatorial fluorescence spectral and lifetime encoding, imaging and analysis. <i>Nature Communications</i> , 2022, 13, 169.	12.8	31
3	High Resolution Fluorescence Lifetime Maps from Minimal Photon Counts. <i>ACS Photonics</i> , 2022, 9, 1015-1025.	6.6	14
4	Determination of cardiac fibrosis using picosirius red fluorescence. <i>Biophysical Journal</i> , 2022, 121, 279a.	0.5	0
5	In vivo macromolecular crowding is differentially modulated by aquaporin 0 in zebrafish lens: Insights from a nanoenvironment sensor and spectral imaging. <i>Science Advances</i> , 2022, 8, eabj4833.	10.3	11
6	Radial pair correlation of molecular brightness fluctuations maps protein diffusion as a function of oligomeric state within live cell nuclear architecture. <i>Biophysical Journal</i> , 2022, , .	0.5	0
7	Visualizing the mode of action and supramolecular assembly of teixobactin analogues in <i>Bacillus subtilis</i> . <i>Chemical Science</i> , 2022, 13, 7747-7754.	7.4	6
8	Fluorescence lifetime microscopy unveils the supramolecular organization of liposomal Doxorubicin. <i>Nanoscale</i> , 2022, 14, 8901-8905.	5.6	11
9	Multiplexed bioluminescence microscopy via phasor analysis. <i>Nature Methods</i> , 2022, 19, 893-898.	19.0	22
10	Advances in fluorescence microscopy techniques to study kidney function. <i>Nature Reviews Nephrology</i> , 2021, 17, 128-144.	9.6	33
11	LAURDAN since Weber: The Quest for Visualizing Membrane Heterogeneity. <i>Accounts of Chemical Research</i> , 2021, 54, 976-987.	15.6	50
12	Spatiotemporal Dynamics of RAC1 Signaling During Wound Healing in Förster Resonance Energy Transfer Biosensor Mice. <i>Biophysical Journal</i> , 2021, 120, 105a.	0.5	0
13	Phasor S-FLIM: a new paradigm for fast and robust spectral fluorescence lifetime imaging. <i>Nature Methods</i> , 2021, 18, 542-550.	19.0	52
14	The Phasor Plot: A Universal Circle to Advance Fluorescence Lifetime Analysis and Interpretation. <i>Annual Review of Biophysics</i> , 2021, 50, 575-593.	10.0	67
15	Phasor-based image segmentation: machine learning clustering techniques. <i>Biomedical Optics Express</i> , 2021, 12, 3410.	2.9	18
16	Phasor-based hyperspectral snapshot microscopy allows fast imaging of live, three-dimensional tissues for biomedical applications. <i>Communications Biology</i> , 2021, 4, 721.	4.4	30
17	Method of transmission filters to measure emission spectra in strongly scattering media. <i>Biomedical Optics Express</i> , 2021, 12, 3760.	2.9	4
18	UTX condensation underlies its tumour-suppressive activity. <i>Nature</i> , 2021, 597, 726-731.	27.8	98

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19	Bacterial Infection Diagnosis and Antibiotic Prescription in 3 h as an Answer to Antibiotic Resistance: The Case of Urinary Tract Infections. <i>Antibiotics</i> , 2021, 10, 1168.	3.7	5
20	In vivo pair correlation microscopy reveals dengue virus capsid protein nucleocytoplasmic bidirectional movement in mammalian infected cells. <i>Scientific Reports</i> , 2021, 11, 24415.	3.3	5
21	Rapid bacterial detection and antibiotic susceptibility testing in whole blood using one-step, high throughput blood digital PCR. <i>Lab on A Chip</i> , 2020, 20, 477-489.	6.0	75
22	CAPRYDAA, an anthracene dye analog to LAURDAN: a comparative study using cuvette and microscopy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 88-99.	5.8	18
23	Image mean square displacement to study the lateral mobility of Angiotensin II type 1 and Endothelin 1 type A receptors on living cells. <i>Microscopy Research and Technique</i> , 2020, 83, 381-392.	2.2	2
24	BMAL1 Associates with NOP58 in the Nucleolus and Contributes to Pre-rRNA Processing. <i>IScience</i> , 2020, 23, 101151.	4.1	13
25	A modular microarray imaging system for highly specific COVID-19 antibody testing. <i>Lab on A Chip</i> , 2020, 20, 3302-3309.	6.0	34
26	Rapid isolation of rare targets from large fluid volumes. <i>Scientific Reports</i> , 2020, 10, 12458.	3.3	4
27	Biophysical properties of AKAP95 protein condensates regulate splicing and tumorigenesis. <i>Nature Cell Biology</i> , 2020, 22, 960-972.	10.3	97
28	Noninvasive two-photon optical biopsy of retinal fluorophores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22532-22543.	7.1	25
29	S-adenosyl- <scp>l</scp> -homocysteine hydrolase links methionine metabolism to the circadian clock and chromatin remodeling. <i>Science Advances</i> , 2020, 6, .	10.3	49
30	Blind Resolution of Lifetime Components in Individual Pixels of Fluorescence Lifetime Images Using the Phasor Approach. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10126-10137.	2.6	20
31	Phasor approach to autofluorescence lifetime imaging FLIM can be a quantitative biomarker of chronic renal parenchymal injury. <i>Kidney International</i> , 2020, 98, 1341-1346.	5.2	2
32	Quantifying nuclear wide chromatin compaction by phasor analysis of histone FÄ†rster resonance energy transfer (FRET) in frequency domain fluorescence lifetime imaging microscopy (FLIM) data. <i>Data in Brief</i> , 2020, 30, 105401.	1.0	12
33	Defining Epidermal Basal Cell States during Skin Homeostasis and Wound Healing Using Single-Cell Transcriptomics. <i>Cell Reports</i> , 2020, 30, 3932-3947.e6.	6.4	139
34	Serial femtosecond crystallography on in vivo-grown crystals drives elucidation of mosquitoicidal Cyt1Aa bioactivation cascade. <i>Nature Communications</i> , 2020, 11, 1153.	12.8	31
35	Image Correlation Microscopy Approach to Study Collagen Accumulation for Distinguishing Recurrence in Liver Cancer Patients. <i>Biophysical Journal</i> , 2020, 118, 309a-310a.	0.5	0
36	Bile acid sequestration reverses liver injury and prevents progression of nonalcoholic steatohepatitis in Western dietâ€fed mice. <i>Journal of Biological Chemistry</i> , 2020, 295, 4733-4747.	3.4	37

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37	Oncogenic Gain of Function in Glioblastoma Is Linked to Mutant p53 Amyloid Oligomers. <i>IScience</i> , 2020, 23, 100820.	4.1	45
38	Resolution of 4 components in the same pixel in FLIM images using the phasor approach. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 035001.	2.3	33
39	Super-Resolution Fluorescence Imaging Reveals That Serine Incorporator Protein 5 Inhibits Human Immunodeficiency Virus Fusion by Disrupting Envelope Glycoprotein Clusters. <i>ACS Nano</i> , 2020, 14, 10929-10943.	14.6	45
40	AO DIVER: Development of a three-dimensional adaptive optics system to advance the depth limits of multiphoton imaging. <i>APL Photonics</i> , 2020, 5, 120801.	5.7	5
41	Syncrip/hnRNP Q is required for activity-induced Msp300/Nesprin-1 expression and new synapse formation. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	17
42	Barriers to Diffusion in Cells: Visualization of Membraneless Particles in the Nucleus. <i>The Biophysicist</i> , 2020, 1, .	0.3	2
43	Solvatochromic Properties of Acdan and Spectral Phasor Analysis Reveal the Role of Aquaporin OA in Regulating Macromolecular Crowding in the Zebrafish Lens In Vivo. <i>Biophysical Journal</i> , 2020, 118, 166a.	0.5	0
44	A tracking-based nanoimaging method for fast detection of surfaces' inhomogeneities using gold nanoparticles. <i>Microscopy Research and Technique</i> , 2019, 82, 1835-1842.	2.2	1
45	The DIVER Microscope for Imaging in Scattering Media. <i>Methods and Protocols</i> , 2019, 2, 53.	2.0	22
46	Multicomponent Analysis of Phasor Plot in a Single Pixel to Calculate Changes of Metabolic Trajectory in Biological Systems. <i>Journal of Physical Chemistry A</i> , 2019, 123, 9865-9873.	2.5	34
47	Nanoscale Distribution of Nuclear Sites by Super-Resolved Image Cross-Correlation Spectroscopy. <i>Biophysical Journal</i> , 2019, 117, 2054-2065.	0.5	18
48	The inner centromere is a biomolecular condensate scaffolded by the chromosomal passenger complex. <i>Nature Cell Biology</i> , 2019, 21, 1127-1137.	10.3	66
49	Capturing Metabolism-Dependent Solvent Dynamics in the Lumen of a Trafficking Lysosome. <i>ACS Nano</i> , 2019, 13, 1670-1682.	14.6	15
50	An ultrasensitive test for profiling circulating tumor DNA using integrated comprehensive droplet digital detection. <i>Lab on A Chip</i> , 2019, 19, 993-1005.	6.0	42
51	Determination of the metabolic index using the fluorescence lifetime of free and bound nicotinamide adenine dinucleotide using the phasor approach. <i>Journal of Biophotonics</i> , 2019, 12, e201900156.	2.3	41
52	Mechanisms of phosphate transport. <i>Nature Reviews Nephrology</i> , 2019, 15, 482-500.	9.6	99
53	StarD5: an ER stress protein regulates plasma membrane and intracellular cholesterol homeostasis. <i>Journal of Lipid Research</i> , 2019, 60, 1087-1098.	4.2	25
54	Number and brightness analysis to study spatio-temporal distribution of the angiotensin II AT1 and the endothelin-1 ETA receptors: Influence of ligand binding. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 917-924.	2.4	10

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55	Phasor histone FLIM-FRET microscopy quantifies spatiotemporal rearrangement of chromatin architecture during the DNA damage response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7323-7332.	7.1	54
56	Metabolic Reprogramming in Astrocytes Distinguishes Region-Specific Neuronal Susceptibility in Huntington Mice. <i>Cell Metabolism</i> , 2019, 29, 1258-1273.e11.	16.2	97
57	3D Orbital Tracking under STED Microscopy. <i>Biophysical Journal</i> , 2019, 116, 440a.	0.5	0
58	Capturing Metabolism-Dependent Solvent Polarity Fluctuations in a Trafficking Lysosome. <i>Biophysical Journal</i> , 2019, 116, 307a.	0.5	0
59	Multi-Modal Fluorescence Characterization of Cell Cycle Progression and Cytokinesis. <i>Biophysical Journal</i> , 2019, 116, 24a.	0.5	0
60	Pair Correlation Analysis Maps the Dynamic Two-Dimensional Organization of Natural Killer Cell Receptors at the Synapse. <i>ACS Nano</i> , 2019, 13, 14274-14282.	14.6	14
61	Shedding light on melanins within in situ human eye melanocytes using 2-photon microscopy profiling techniques. <i>Scientific Reports</i> , 2019, 9, 18585.	3.3	16
62	Widefield multifrequency fluorescence lifetime imaging using a two-color complementary metal-oxide semiconductor camera with lateral electric field charge modulators. <i>Journal of Biophotonics</i> , 2019, 12, e201800223.	2.3	6
63	Visualizing the regulation of SLC34 proteins at the apical membrane. <i>Pflugers Archiv European Journal of Physiology</i> , 2019, 471, 533-542.	2.8	3
64	Fluorescence lifetime detection with particle counting devices. <i>Biomedical Optics Express</i> , 2019, 10, 1223.	2.9	3
65	Comparison between iMSD and 2D-pCF analysis for molecular motion studies on in vivo cells: The case of the epidermal growth factor receptor. <i>Methods</i> , 2018, 140-141, 74-84.	3.8	12
66	Educated natural killer cells show dynamic movement of the activating receptor NKp46 and confinement of the inhibitory receptor Ly49A. <i>Science Signaling</i> , 2018, 11, .	3.6	22
67	Multicomponent Analysis of Phasor Plot to Decipher Changes in Metabolic Trajectory of Biological Systems. <i>Biophysical Journal</i> , 2018, 114, 167a.	0.5	1
68	Viral highway to nucleus exposed by image correlation analyses. <i>Scientific Reports</i> , 2018, 8, 1152.	3.3	10
69	Selective plane illumination microscopy with a light sheet of uniform thickness formed by an electrically tunable lens. <i>Microscopy Research and Technique</i> , 2018, 81, 924-928.	2.2	33
70	FXR/TGR5 Dual Agonist Prevents Progression of Nephropathy in Diabetes and Obesity. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 118-137.	6.1	133
71	Quantitative image mean squared displacement (iMSD) analysis of the dynamics of profilin 1 at the membrane of live cells. <i>Methods</i> , 2018, 140-141, 119-125.	3.8	6
72	Comprehensive correlation analysis for super-resolution dynamic fingerprinting of cellular compartments using the Zeiss Airyscan detector. <i>Nature Communications</i> , 2018, 9, 5120.	12.8	39

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73	Measuring Lateral Diffusion of Receptors On Plasma Membrane of Macrophages Using Raster Image Correlation Spectroscopy. <i>Microscopy and Microanalysis</i> , 2018, 24, 1356-1357.	0.4	0
74	Complement proteins associated with synapse proteins in an Alzheimer's disease mouse model lacking C5aR1. <i>Molecular Immunology</i> , 2018, 102, 218.	2.2	0
75	Differences between FLIM phasor analyses for data collected with the Becker and Hickl SPC830 card and with the FLIMbox card. <i>Microscopy Research and Technique</i> , 2018, 81, 980-989.	2.2	19
76	Fit-free analysis of fluorescence lifetime imaging data using the phasor approach. <i>Nature Protocols</i> , 2018, 13, 1979-2004.	12.0	217
77	Precision and accuracy of single-molecule FRET measurements—a multi-laboratory benchmark study. <i>Nature Methods</i> , 2018, 15, 669-676.	19.0	350
78	Aggregation-primed molten globule conformers of the p53 core domain provide potential tools for studying p53C aggregation in cancer. <i>Journal of Biological Chemistry</i> , 2018, 293, 11374-11387.	3.4	34
79	Visualization of barriers and obstacles to molecular diffusion in live cells by spatial pair-cross-correlation in two dimensions. <i>Biomedical Optics Express</i> , 2018, 9, 303.	2.9	26
80	Hyperspectral imaging in highly scattering media by the spectral phasor approach using two filters. <i>Biomedical Optics Express</i> , 2018, 9, 3503.	2.9	16
81	LAURDAN fluorescence and phasor plots reveal the effects of a H2O2 bolus in NIH-3T3 fibroblast membranes dynamics and hydration. <i>Free Radical Biology and Medicine</i> , 2018, 128, 144-156.	2.9	33
82	New insight into the interaction of TRAF2 C-terminal domain with lipid raft microdomains. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 813-822.	2.4	12
83	Spatial analysis of Cdc42 activity reveals a role for plasma membrane-associated Cdc42 in centrosome regulation. <i>Molecular Biology of the Cell</i> , 2017, 28, 2135-2145.	2.1	19
84	Intracellular Dynamics of Nanoparticles Probed by an Image-Derived Mean Square Displacement Approach. <i>Biophysical Journal</i> , 2017, 112, 296a-297a.	0.5	0
85	An apolipoprotein-enriched biomolecular corona switches the cellular uptake mechanism and trafficking pathway of lipid nanoparticles. <i>Nanoscale</i> , 2017, 9, 17254-17262.	5.6	73
86	Cholesterol modulates the cellular localization of Orai1 channels and its disposition among membrane domains. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 1481-1490.	2.4	29
87	A multidimensional phasor approach reveals LAURDAN photophysics in NIH-3T3 cell membranes. <i>Scientific Reports</i> , 2017, 7, 9215.	3.3	47
88	Mapping the Dynamics of the Glucocorticoid Receptor within the Nuclear Landscape. <i>Scientific Reports</i> , 2017, 7, 6219.	3.3	35
89	Metabolic fingerprinting of bacteria by fluorescence lifetime imaging microscopy. <i>Scientific Reports</i> , 2017, 7, 3743.	3.3	42
90	A laser-scanning confocal microscopy study of carrageenan in red algae from seaweed farms near the Caribbean entrance of the Panama Canal. <i>Journal of Applied Phycology</i> , 2017, 29, 495-508.	2.8	6

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91	Measuring the effect of a Western diet on liver tissue architecture by FLIM autofluorescence and harmonic generation microscopy. <i>Biomedical Optics Express</i> , 2017, 8, 3143.	2.9	32
92	sideSPIM – selective plane illumination based on a conventional inverted microscope. <i>Biomedical Optics Express</i> , 2017, 8, 3918.	2.9	22
93	Human immunodeficiency virus type-1 (HIV-1) evades antibody-dependent phagocytosis. <i>PLoS Pathogens</i> , 2017, 13, e1006793.	4.7	20
94	Self-assisted optothermal trapping of gold nanorods under two-photon excitation. <i>Methods and Applications in Fluorescence</i> , 2016, 4, 035003.	2.3	10
95	Measurements of absolute concentrations of NADH in cells using the phasor FLIM method. <i>Biomedical Optics Express</i> , 2016, 7, 2441.	2.9	88
96	Imaging in turbid media: a transmission detector gives 2-3 order of magnitude enhanced sensitivity compared to epi-detection schemes. <i>Biomedical Optics Express</i> , 2016, 7, 3747.	2.9	8
97	Characterizing fibrosis in UUO mice model using multiparametric analysis of phasor distribution from FLIM images. <i>Biomedical Optics Express</i> , 2016, 7, 3519.	2.9	33
98	Quantifying the dynamics of the oligomeric transcription factor STAT3 by pair correlation of molecular brightness. <i>Nature Communications</i> , 2016, 7, 11047.	12.8	28
99	Fluctuation Spectroscopy Analysis of Glucose Capped Gold Nanoparticles. <i>Langmuir</i> , 2016, 32, 13409-13417.	3.5	4
100	The intracellular trafficking mechanism of Lipofectamine-based transfection reagents and its implication for gene delivery. <i>Scientific Reports</i> , 2016, 6, 25879.	3.3	158
101	Spatial Characterization of Bioenergetics and Metabolism of Primordial to Preovulatory Follicles in Whole Ex Vivo Murine Ovary. <i>Biology of Reproduction</i> , 2016, 95, 129-129.	2.7	52
102	Label-free imaging of metabolism and oxidative stress in human induced pluripotent stem cell-derived cardiomyocytes. <i>Biomedical Optics Express</i> , 2016, 7, 1690.	2.9	41
103	Modular polymer biosensors by solvent immersion imprint lithography. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 98-103.	2.1	8
104	Label-free identification of macrophage phenotype by fluorescence lifetime imaging microscopy. <i>Journal of Biomedical Optics</i> , 2016, 21, 046005.	2.6	49
105	Measurements of Fluorescence Decay Time by the Frequency Domain Method. <i>Springer Series on Fluorescence</i> , 2016, , 67-80.	0.8	4
106	Metabolic changes associated with methionine stress sensitivity in MDA-MB-468 breast cancer cells. <i>Cancer & Metabolism</i> , 2016, 4, 9.	5.0	58
107	Multi-scale silica structures for improved HIV-1 Capsid (p24) antigen detection. <i>Analyst</i> , The, 2016, 141, 4181-4188.	3.5	3
108	Spatiotemporal Fluctuation Analysis: A Powerful Tool for the Future Nanoscopy of Molecular Processes. <i>Biophysical Journal</i> , 2016, 111, 679-685.	0.5	17

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109	Label-free fluorescence lifetime and second harmonic generation imaging microscopy improves quantification of experimental renal fibrosis. <i>Kidney International</i> , 2016, 90, 1123-1128.	5.2	58
110	Spectral phasor analysis of LAURDAN fluorescence in live A549 lung cells to study the hydration and time evolution of intracellular lamellar body-like structures. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 2625-2635.	2.6	62
111	Persistent nuclear actin filaments inhibit transcription by RNA polymerase II. <i>Journal of Cell Science</i> , 2016, 129, 3412-25.	2.0	60
112	Automated detection and analysis of depolarization events in human cardiomyocytes using MaDEC. <i>Computers in Biology and Medicine</i> , 2016, 75, 109-117.	7.0	2
113	Diffusion Tensor Analysis by Two-Dimensional Pair Correlation of Fluorescence Fluctuations in Cells. <i>Biophysical Journal</i> , 2016, 111, 841-851.	0.5	20
114	Optical measurement of focal offset in tunable lenses. <i>Optics Express</i> , 2016, 24, 1031.	3.4	7
115	Development of an image Mean Square Displacement (iMSD)-based method as a novel approach to study the intracellular trafficking of nanoparticles. <i>Acta Biomaterialia</i> , 2016, 42, 189-198.	8.3	14
116	Phasor Analysis of Local ICS Detects Heterogeneity in Size and Number of Intracellular Vesicles. <i>Biophysical Journal</i> , 2016, 111, 619-629.	0.5	34
117	3D microtumors in vitro supported by perfused vascular networks. <i>Scientific Reports</i> , 2016, 6, 31589.	3.3	301
118	Spatial dynamics of SIRT1 and the subnuclear distribution of NADH species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12715-12720.	7.1	59
119	Spatial Dynamics of SIRT1 Dictate Metabolic Transitions in the Cell Nucleus. <i>Biophysical Journal</i> , 2016, 110, 237a-238a.	0.5	0
120	Fluorescence Anisotropy Imaging in 3D with Single Plane Illumination Microscopy. <i>Biophysical Journal</i> , 2016, 110, 482a.	0.5	0
121	Intestinal Phospholipid Remodeling Is Required for Dietary-Lipid Uptake and Survival on a High-Fat Diet. <i>Cell Metabolism</i> , 2016, 23, 492-504.	16.2	98
122	Intrinsic Biomarker for Oxidative Stress by FLIM. <i>Biophysical Journal</i> , 2016, 110, 165a.	0.5	0
123	Connectivity Map of the Cell Interior. <i>Biophysical Journal</i> , 2016, 110, 15a.	0.5	0
124	Spider Silk Peptide Is a Compact, Linear Nanospring Ideal for Intracellular Tension Sensing. <i>Nano Letters</i> , 2016, 16, 2096-2102.	9.1	61
125	Assessment of Membrane Fluidity Fluctuations during Cellular Development Reveals Time and Cell Type Specificity. <i>PLoS ONE</i> , 2016, 11, e0158313.	2.5	33
126	Noise modulation in retinoic acid signaling sharpens segmental boundaries of gene expression in the embryonic zebrafish hindbrain. <i>ELife</i> , 2016, 5, e14034.	6.0	39

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127	Tracking transcription factor mobility and interaction in Arabidopsis roots with fluorescence correlation spectroscopy. <i>ELife</i> , 2016, 5, .	6.0	79
128	Visualizing Cellular Metabolic Processes With Combined Nonlinear Optical Microscopy. , 2016, , .		0
129	Imaging Fibrosis and Separating Collagens using Second Harmonic Generation and Phasor Approach to Fluorescence Lifetime Imaging. <i>Scientific Reports</i> , 2015, 5, 13378.	3.3	79
130	Spatiotemporal regulation of Heterochromatin Protein 1- alpha oligomerization and dynamics in live cells. <i>Scientific Reports</i> , 2015, 5, 12001.	3.3	19
131	Live Cell Characterization of DNA Aggregation Delivered through Lipofection. <i>Scientific Reports</i> , 2015, 5, 10528.	3.3	7
132	Characterization of exogenous DNA mobility in live cells through fluctuation correlation spectroscopy. <i>Scientific Reports</i> , 2015, 5, 13848.	3.3	9
133	Modulated CMOS camera for fluorescence lifetime microscopy. <i>Microscopy Research and Technique</i> , 2015, 78, 1075-1081.	2.2	38
134	Model-free methods to study membrane environmental probes: a comparison of the spectral phasor and generalized polarization approaches. <i>Methods and Applications in Fluorescence</i> , 2015, 3, 047001.	2.3	41
135	Spatio-Temporal Regulation of Rac1 Mobility by Actin Islands. <i>PLoS ONE</i> , 2015, 10, e0143753.	2.5	1
136	LXRs link metabolism to inflammation through Abca1-dependent regulation of membrane composition and TLR signaling. <i>ELife</i> , 2015, 4, e08009.	6.0	219
137	Fluorescence lifetime imaging of endogenous biomarker of oxidative stress. <i>Scientific Reports</i> , 2015, 5, 9848.	3.3	104
138	Eisosomes Are Dynamic Plasma Membrane Domains Showing Pil1-Lsp1 Heteroligomer Binding Equilibrium. <i>Biophysical Journal</i> , 2015, 108, 1633-1644.	0.5	24
139	Background-Free Super-Resolution Microscopy of Subcellular Structures by Lifetime Tuning and Photons Separation. <i>Biophysical Journal</i> , 2015, 108, 359a.	0.5	0
140	InÂVivo Single-Cell Detection of Metabolic Oscillations in Stem Cells. <i>Cell Reports</i> , 2015, 10, 1-7.	6.4	118
141	The Laurdan Spectral Phasor Method to Explore Membrane Micro-heterogeneity and Lipid Domains in Live Cells. <i>Methods in Molecular Biology</i> , 2015, 1232, 273-290.	0.9	40
142	Spectral properties and dynamics of gold nanorods revealed by EMCCD-based spectral phasor method. <i>Microscopy Research and Technique</i> , 2015, 78, 283-293.	2.2	6
143	NADH fluorescence lifetime is an endogenous reporter of Î±â€šynuclein aggregation in live cells. <i>FASEB Journal</i> , 2015, 29, 2484-2494.	0.5	24
144	Host Cell Plasma Membrane Phosphatidylserine Regulates the Assembly and Budding of Ebola Virus. <i>Journal of Virology</i> , 2015, 89, 9440-9453.	3.4	82

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145	Number and brightness analysis of sFRP4 domains in live cells demonstrates vesicle association signal of the NLD domain and dynamic intracellular responses to Wnt3a. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 64, 91-96.	2.8	15
146	Single cell visualization of transcription kinetics variance of highly mobile identical genes using 3D nanoimaging. <i>Scientific Reports</i> , 2015, 5, 9258.	3.3	21
147	Modes of Diffusion of Cholera Toxin Bound to GM1 on Live Cell Membrane by Image Mean Square Displacement Analysis. <i>Biophysical Journal</i> , 2015, 108, 1448-1458.	0.5	23
148	Encoding and decoding spatio-temporal information for super-resolution microscopy. <i>Nature Communications</i> , 2015, 6, 6701.	12.8	95
149	Electrically tunable lens speeds up 3D orbital tracking. <i>Biomedical Optics Express</i> , 2015, 6, 2181.	2.9	31
150	3D fluorescence anisotropy imaging using selective plane illumination microscopy. <i>Optics Express</i> , 2015, 23, 22308.	3.4	15
151	Active focus stabilization for upright selective plane illumination microscopy. <i>Optics Express</i> , 2015, 23, 14707.	3.4	9
152	Live-cell observation of cytosolic HIV-1 assembly onset reveals RNA-interacting Gag oligomers. <i>Journal of Cell Biology</i> , 2015, 210, 629-646.	5.2	86
153	Digital quantification of miRNA directly in plasma using integrated comprehensive droplet digital detection. <i>Lab on A Chip</i> , 2015, 15, 4217-4226.	6.0	64
154	Spectral Properties of Single Gold Nanoparticles in Close Proximity to Biological Fluorophores Excited by 2-Photon Excitation. <i>PLoS ONE</i> , 2015, 10, e0124975.	2.5	8
155	Supervised Machine Learning for Classification of the Electrophysiological Effects of Chronotropic Drugs on Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. <i>PLoS ONE</i> , 2015, 10, e0144572.	2.5	28
156	Lpcat3-dependent production of arachidonoyl phospholipids is a key determinant of triglyceride secretion. <i>ELife</i> , 2015, 4, .	6.0	142
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