Richard N Day

List of Publications by Year
in descending order

50 papers	4,547 citations	218677 26 h-index	223800 46 g-index
50 all docs	50 docs citations	50 times ranked	6427 citing authors

#	Article	IF	Citations
1	A bright monomeric green fluorescent protein derived from Branchiostoma lanceolatum. Nature Methods, 2013, 10, 407-409.	19.0	1,087
2	The fluorescent protein palette: tools for cellular imaging. Chemical Society Reviews, 2009, 38, 2887.	38.1	711
3	Fluorescence Resonance Energy Transfer Microscopy of Localized Protein Interactions in the Living Cell Nucleus. Methods, 2001, 25, 4-18.	3.8	230
4	An Improved Cerulean Fluorescent Protein with Enhanced Brightness and Reduced Reversible Photoswitching. PLoS ONE, 2011, 6, e17896.	2.5	228
5	Characterization of one- and two-photon excitation fluorescence resonance energy transfer microscopy. Methods, 2003, 29, 58-73.	3.8	213
6	Investigating protein-protein interactions in living cells using fluorescence lifetime imaging microscopy. Nature Protocols, 2011, 6, 1324-1340.	12.0	207
7	Both Pit-1 and the Estrogen Receptor Are Required for Estrogen Responsiveness of the Rat Prolactin Gene. Molecular Endocrinology, 1990, 4, 1964-1971.	3.7	198
8	Visualization of Pit-1 Transcription Factor Interactions in the Living Cell Nucleus by Fluorescence Resonance Energy Transfer Microscopy. Molecular Endocrinology, 1998, 12, 1410-1419.	3.7	118
9	Green fluorescent protein and its derivatives as versatile markers for gene expression in living Drosophila melanogaster, plant and mammalian cells. Gene, 1996, 173, 83-87.	2.2	108
10	Chapter 18: Visualizing Protein Interactions in Living Cells Using Digitized GFP Imaging and FRET Microscopy. Methods in Cell Biology, 1998, 58, 293-314.	1.1	105
11	The Distal Enhancer Region of the Rat Prolactin Gene Contains Elements Conferring Response to Multiple Hormones. Molecular Endocrinology, 1989, 3, 3-9.	3.7	103
12	Clustered Point Mutation Analysis of the Rat Prolactin Promoter. Molecular Endocrinology, 1990, 4, 1564-1571.	3.7	100
13	Fluorescent proteins for FRET microscopy: Monitoring protein interactions in living cells. BioEssays, 2012, 34, 341-350.	2.5	99
14	Monitoring dynamic protein interactions with photoquenching FRET. Nature Methods, 2006, 3, 519-524.	19.0	89
15	Characterization of an improved donor fluorescent protein for Fol̂rster resonance energy transfer microscopy. Journal of Biomedical Optics, 2008, 13, 031203.	2.6	76
16	Characterization of spectral FRET imaging microscopy for monitoring nuclear protein interactions. Journal of Microscopy, 2007, 228, 139-152.	1.8	72
17	Pituitary Calcium Channel Modulation and Regulation of Prolactin Gene Expression. Molecular Endocrinology, 1990, 4, 736-742.	3.7	68
18	SERCA2 Deficiency Impairs Pancreatic Î²-Cell Function in Response to Diet-Induced Obesity. Diabetes, 2016, 65, 3039-3052.	0.6	65

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19	Fluorescent protein tools for studying protein dynamics in living cells: a review. Journal of Biomedical Optics, 2008, 13, 031202.	2.6	60
20	Three-Color Spectral FRET Microscopy Localizes Three Interacting Proteins in Living Cells. Biophysical Journal, 2010, 99, 1274-1283.	0.5	59
21	Monitoring Protein Interactions in Living Cells with Fluorescence Lifetime Imaging Microscopy. Methods in Enzymology, 2012, 504, 371-391.	1.0	59
22	Characterization of an orange acceptor fluorescent protein for sensitized spectral fluorescence resonance energy transfer microscopy using a white-light laser. Journal of Biomedical Optics, 2009, 14, 054009.	2.6	54
23	A PIT-1 Homeodomain Mutant Blocks the Intranuclear Recruitment Of the CCAAT/Enhancer Binding Protein Î± Required for Prolactin Gene Transcription. Molecular Endocrinology, 2003, 17, 209-222.	3.7	50
24	Measuring protein interactions using FÃ¶rster resonance energy transfer and fluorescence lifetime imaging microscopy. Methods, 2014, 66, 200-207.	3.8	40
25	Visualizing Protein-Protein Interactions in the Nucleus of the Living Cell. Molecular Endocrinology, 1999, 13, 517-526.	3.7	32
26	A Versatile, Portable Intravital Microscopy Platform for Studying Beta-cell Biology In Vivo. Scientific Reports, 2019, 9, 8449.	3.3	32
27	A practical method for monitoring FRET-based biosensors in living animals using two-photon microscopy. American Journal of Physiology - Cell Physiology, 2015, 309, C724-C735.	4.6	28
28	Selective Inhibition of Prolactin Gene Transcription by the ETS-2 Repressor Factor. Journal of Biological Chemistry, 1998, 273, 31909-31915.	3.4	26
29	A simple approach for measuring FRET in fluorescent biosensors using two-photon microscopy. Nature Protocols, 2016, 11, 2066-2080.	12.0	26
30	Strengths and Weaknesses of Recently Engineered Red Fluorescent Proteins Evaluated in Live Cells Using Fluorescence Correlation Spectroscopy. International Journal of Molecular Sciences, 2013, 14, 20340-20358.	4.1	25
31	Imaging protein behavior inside the living cell. Molecular and Cellular Endocrinology, 2005, 230, 1-6.	3.2	22
32	Molecular Imaging, FRET Microscopy and Spectroscopy. Journal of Biomedical Optics, 2006, 11, 069901.	2.6	20
33	Monitoring Biosensor Activity in Living Cells with Fluorescence Lifetime Imaging Microscopy. International Journal of Molecular Sciences, 2012, 13, 14385-14400.	4.1	20
34	Mechanical Loading in Osteocytes Induces Formation of a Src/Pyk2/MBD2 Complex That Suppresses Anabolic Gene Expression. PLoS ONE, 2014, 9, e97942.	2.5	17
35	Spying on the hidden lives of proteins. Nature Biotechnology, 1999, 17, 425-426.	17.5	15
36	Inferring Diffusion Dynamics from FCS in Heterogeneous Nuclear Environments. Biophysical Journal, 2015, 109, 7-17.	0.5	15

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37	Functional interactions with Pit-1 reorganize co-repressor complexes in the living cell nucleus. Journal of Cell Science, 2005, 118, 3277-3288.	2.0	14
38	Unraveling transcription factor interactions with heterochromatin protein 1 using fluorescence lifetime imaging microscopy and fluorescence correlation spectroscopy. Journal of Biomedical Optics, 2013, 18, 025002.	2.6	14
39	Dynamic Interactions between Pit-1 and C/EBPÎ± in the Pituitary Cell Nucleus. Molecular and Cellular Biology, 2006, 26, 8087-8098.	2.3	11
40	Intravital microscopy of biosensor activities and intrinsic metabolic states. Methods, 2017, 128, 95-104.	3.8	10
41	PIE-FLIM Measurements of Two Different FRET-Based Biosensor Activities in the Same Living Cells. Biophysical Journal, 2020, 118, 1820-1829.	0.5	8
42	Direct visualization by FRET-FLIM of a putative mechanosome complex involving Src, Pyk2 and MBD2 in living MLO-Y4 cells. PLoS ONE, 2021, 16, e0261660.	2.5	4
43	Dynamic nuclear protein interactions investigated using fluorescence lifetime and fluorescence fluctuation spectroscopy. Proceedings of SPIE, 2012, , .	0.8	3
44	Measuring FÃ¶rster Resonance Energy Transfer Using Fluorescence Lifetime Imaging Microscopy. Microscopy Today, 2015, 23, 44-51.	0.3	3
45	Imaging cell biology and physiology in vivo using intravital microscopy. Methods, 2017, 128, 1-2.	3.8	2
46	PIT-1 Protein Localization at Different Optical Sections in a Single Living Cell Using FRET Microscopy and Green Fluorescent Proteins. Microscopy and Microanalysis, 1997, 3, 133-134.	0.4	1
47	Shining a light on protein sociobiology. Nature Biotechnology, 1998, 16, 514-515.	17.5	0
48	Measuring Protein Interactions Using FÃ¶rster Resonance Energy Transfer and Fluorescence Lifetime Imaging Microscopy. Microscopy and Microanalysis, 2014, 20, 2130-2131.	0.4	0
49	Imaging Lifetimes. Springer Series on Fluorescence, 2016, , 143-161.	0.8	0
50	Functional Interaction of the Estrogen Receptor with the Tissue-Specific, Homeodomain Transcription Factor, PIT-1. , 1994, , 131-161.		0