Steven S Vogel

List of Publications by Year
in descending order

54 papers	5,036 citations	186265 28 h-index	161849 54 g-index
57 all docs	57 docs citations	57 times ranked	6312 citing authors

#	Article	IF	Citations
1	A Guide to Fluorescence Lifetime Microscopy and FÃ¶rster's Resonance Energy Transfer in Neuroscience. Current Protocols in Neuroscience, 2020, 94, e108.	2.6	8
2	FRET as a biomolecular research tool â€” understanding its potential while avoiding pitfalls. Nature Methods, 2019, 16, 815-829.	19.0	354
3	VenusA206 Dimers Behave Coherently at Room Temperature. Biophysical Journal, 2019, 116, 1918-1930.	0.5	10
4	Auto-FPFA: An Automated Microscope for Characterizing Genetically Encoded Biosensors. Scientific Reports, 2018, 8, 7374.	3.3	5
5	Deciphering CaMKII Multimerization Using Fluorescence Correlation Spectroscopy and Homo-FRET Analysis. Biophysical Journal, 2017, 112, 1270-1281.	0.5	16
6	Zinc-Induced Polymerization of Killer-Cell Ig-like Receptor into Filaments Promotes Its Inhibitory Function at Cytotoxic Immunological Synapses. Molecular Cell, 2016, 62, 21-33.	9.7	23
7	A Single Amino Acid Change in Inhibitory Killer Cell Ig-like Receptor Results in Constitutive Receptor Self-Association and Phosphorylation. Journal of Immunology, 2015, 194, 817-826.	0.8	13
8	Covert Changes in CaMKII Holoenzyme Structure Identified for Activation and Subsequent Interactions. Biophysical Journal, 2015, 108, 2158-2170.	0.5	17
9	An Introduction to Interpreting Time Resolved Fluorescence Anisotropy Curves. Springer Series in Chemical Physics, 2015, , 385-406.	0.2	2
10	Size, stoichiometry, and organization of soluble LC3-associated complexes. Autophagy, 2014, 10, 861-877.	9.1	19
11	Estimating the distance separating fluorescent protein FRET pairs. Methods, 2014, 66, 131-138.	3.8	60
12	Deep brain optical measurements of cell typeâ€“specific neural activity in behaving mice. Nature Protocols, 2014, 9, 1213-1228.	12.0	115
13	Dysferlin stabilizes stress-induced Ca ²⁺ signaling in the transverse tubule membrane. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20831-20836.	7.1	104
14	Concurrent activation of striatal direct and indirect pathways during action initiation. Nature, 2013, 494, 238-242.	27.8	1,008
15	FRET 65: A Celebration of FoÌˆrster. Journal of Biomedical Optics, 2012, 17, 011001.	2.6	8
16	Fluorescence Polarization and Fluctuation Analysis Monitors Subunit Proximity, Stoichiometry, and Protein Complex Hydrodynamics. PLoS ONE, 2012, 7, e38209.	2.5	46
17	The Impact of Heterogeneity and Dark Acceptor States on FRET: Implications for Using Fluorescent Protein Donors and Acceptors. PLoS ONE, 2012, 7, e49593.	2.5	60
18	Membrane wounding triggers ATP release and dysferlin-mediated intercellular calcium signaling. Journal of Cell Science, 2010, 123, 1884-1893.	2.0	44

#	Article	IF	Citations
19	Chapter 8 Spectral imaging and its use in the measurement of FÃ¶rster resonance energy transfer in living cells. Laboratory Techniques in Biochemistry and Molecular Biology / Edited By T S Work [and] E Work, 2009, 33, 351-394.	0.2	4
20	Structural rearrangement of CaMKIIÎ± catalytic domains encodes activation. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6369-6374.	7.1	72
21	Photophysical properties of Cerulean and Venus fluorescent proteins. Journal of Biomedical Optics, 2009, 14, 034047.	2.6	46
22	Channeling Calcium: A Shared Mechanism for Exocytosisâ€"Endocytosis Coupling. Science Signaling, 2009, 2, pe80.	3.6	7
23	Anomalous Surplus Energy Transfer Observed with Multiple FRET Acceptors. PLoS ONE, 2009, 4, e8031.	2.5	65
24	Two independent forms of endocytosis maintain embryonic cell surface homeostasis during early development. Developmental Biology, 2008, 316, 135-148.	2.0	20
25	Energy migration alters the fluorescence lifetime of Cerulean: implications for fluorescence lifetime imaging Forster resonance energy transfer measurements. Journal of Biomedical Optics, 2008, 13, 031204.	2.6	59
26	Measurement of FRET Efficiency and Ratio of Donor to Acceptor Concentration in Living Cells. Biophysical Journal, 2006, 91, L39-L41.	0.5	212
27	Cerulean, Venus, and VenusY67C FRET Reference Standards. Biophysical Journal, 2006, 91, L99-L101.	0.5	213
28	Fanciful FRET. Science Signaling, 2006, 2006, re2-re2.	3.6	250
29	Photobleaching of YFP does not produce a CFP-like species that affects FRET measurements. Nature Methods, 2006, 3, 491-491.	19.0	25
30	Quantitative linear unmixing of CFP and YFP from spectral images acquired with two-photon excitation. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2006, 69A, 904-911.	1.5	26
31	Quantitative Multiphoton Spectral Imaging and Its Use for Measuring Resonance Energy Transfer. Biophysical Journal, 2005, 89, 2736-2749.	0.5	171
32	An increase in surface area is not required for cell division in early sea urchin development. Developmental Biology, 2003, 259, 62-70.	2.0	7
33	Defective membrane repair in dysferlin-deficient muscular dystrophy. Nature, 2003, 423, 168-172.	27.8	869
34	The endomembrane requirement for cell surface repair. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 4592-4597.	7.1	139
35	Low pH Inhibits Compensatory Endocytosis at a Step Between Depolarization and Calcium Influx. Traffic, 2002, 3, 397-406.	2.7	18
36	Analysis of pancreatic development in living transgenic zebrafish embryos. Molecular and Cellular Endocrinology, 2001, 177, 117-124.	3.2	111

#	ARTICLE	IF	CITATIONS
37	Plasma Membrane Resident 'Fusion Complexes' Mediate Reconstituted Exocytosis. Traffic, 2001, 2, 654-667.	2.7	8
38	Concurrent expression of recombination activating genes 1 and 2 in zebrafish olfactory sensory neurons. Genesis, 2001, 29, 156-162.	1.6	76
39	A Kinetic Analysis of Calcium-Triggered Exocytosis. Journal of General Physiology, 2001, 118, 145-156.	1.9	29
40	Exocytotic Insertion of Calcium Channels Constrains Compensatory Endocytosis to Sites of Exocytosis. Journal of Cell Biology, 2000, 148, 755-768.	5.2	61
41	Calcium influx is required for endocytotic membrane retrieval. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 5019-5024.	7.1	48
42	Sea urchin egg preparations as systems for the study of calcium-triggered exocytosis. Journal of Physiology, 1999, 520, 15-21.	2.9	26
43	Submaximal Responses in Calcium-triggered Exocytosis Are Explained by Differences in the Calcium Sensitivity of Individual Secretory Vesicles. Journal of General Physiology, 1998, 112, 559-567.	1.9	53
44	The Calcium Sensitivity of Individual Secretory Vesicles Is Invariant with the Rate of Calcium Delivery. Journal of General Physiology, 1998, 112, 569-576.	1.9	14
45	Reconstitution of Calcium-triggered Membrane Fusion Using â€œReserveâ€• Granules. Journal of Biological Chemistry, 1998, 273, 2445-2451.	3.4	23
46	Poisson-distributed active fusion complexes underlie the control of the rate and extent of exocytosis by calcium.. Journal of Cell Biology, 1996, 134, 329-338.	5.2	47
47	Application of a membrane fusion assay for rapid drug screening. Pharmaceutical Research, 1995, 12, 1417-1422.	3.5	7
48	Direct membrane retrieval into large vesicles after exocytosis in sea urchin eggs.. Journal of Cell Biology, 1995, 131, 1183-1192.	5.2	84
49	Using Caged Calcium to Study Sea Urchin Egg Cortical Granule Exocytosis in Vitro. Methods, 1994, 6, 82-92.	3.8	20
50	Lysolipids reversibly inhibit Ca2+-, GTP- and pH-dependent fusion of biological membranes. FEBS Letters, 1993, 318, 71-76.	2.8	181
51	Proteins on exocytic vesicles mediate calcium-triggered fusion.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 4749-4753.	7.1	54
52	The Sea Urchin Cortical Reaction.. Annals of the New York Academy of Sciences, 1991, 635, 35-44.	3.8	29
53	Characterization of synaptophysin and G proteins in synaptic vesicles and plasma membrane ofAplysia californica. Brain Research, 1990, 508, 265-272.	2.2	16
54	G proteins in Aplysia: biochemical characterization and regional and subcellular distribution. Brain Research, 1989, 478, 281-292.	2.2	15