

Jesse D Goyette

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,903
citations

471509

17
h-index

345221

36
g-index

52
all docs

52
docs citations

52
times ranked

2862
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein-PAINT: Superresolution microscopy with signaling proteins. <i>Science Signaling</i> , 2022, 15, eabg9782.	3.6	10
2	The T cell receptor displays lateral signal propagation involving non-engaged receptors. <i>Nanoscale</i> , 2022, 14, 3513-3526.	5.6	3
3	Dephosphorylation accelerates the dissociation of ZAP70 from the T cell receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	6
4	Investigating Spatial Heterogeneity of Nanoparticles Movement in Live Cells with Pair-Correlation Microscopy and Phasor Analysis. <i>Analytical Chemistry</i> , 2021, 93, 3803-3812.	6.5	4
5	Biomechanics of T Cell Dysfunctions in Chronic Diseases. <i>Frontiers in Immunology</i> , 2021, 12, 600829.	4.8	11
6	The Benefits of Unnatural Amino Acid Incorporation as Protein Labels for Single Molecule Localization Microscopy. <i>Frontiers in Chemistry</i> , 2021, 9, 641355.	3.6	16
7	Determination of the molecular reach of the protein tyrosine phosphatase SHP-1. <i>Biophysical Journal</i> , 2021, 120, 2054-2066.	0.5	10
8	K-Neighbourhood Analysis: A Method for Understanding SMLM Images as Compositions of Local Neighbourhoods. <i>Frontiers in Bioinformatics</i> , 2021, 1, .	2.1	0
9	T Cell Membrane Heterogeneity Aids Antigen Recognition and T Cell Activation. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 609.	3.7	13
10	Clustering of the $\hat{\eta}$ -Chain Can Initiate T Cell Receptor Signaling. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3498.	4.1	20
11	Conformational States Control Lck Switching between Free and Confined Diffusion Modes in T Cells. <i>Biophysical Journal</i> , 2020, 118, 1489-1501.	0.5	8
12	Influence of FRET and fluorescent protein maturation on the quantification of binding affinity with dual-channel fluorescence cross-correlation spectroscopy. <i>Biomedical Optics Express</i> , 2020, 11, 6137.	2.9	2
13	Can single molecule localization microscopy detect nanoclusters in T cells?. <i>Current Opinion in Chemical Biology</i> , 2019, 51, 130-137.	6.1	14
14	The Influence of Molecular Reach and Diffusivity on the Efficacy of Membrane-Confined Reactions. <i>Biophysical Journal</i> , 2019, 117, 1189-1201.	0.5	10
15	Tethered Signaling in Inhibitory Immune Receptors. <i>Frontiers in Physics</i> , 2019, 6, .	2.1	3
16	How does T cell receptor clustering impact on signal transduction?. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	43
17	A generic cell surface ligand system for studying cell-cell recognition. <i>PLoS Biology</i> , 2019, 17, e3000549.	5.6	11
18	Biophysical assay for tethered signaling reactions reveals tether-controlled activity for the phosphatase SHP-1. <i>Science Advances</i> , 2017, 3, e1601692.	10.3	28

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19	A FRET sensor enables quantitative measurements of membrane charges in live cells. <i>Nature Biotechnology</i> , 2017, 35, 363-370.	17.5	52
20	Mechanisms of protein nanoscale clustering. <i>Current Opinion in Cell Biology</i> , 2017, 44, 86-92.	5.4	45
21	Introducing Membrane Charge and Membrane Potential to T Cell Signaling. <i>Frontiers in Immunology</i> , 2017, 8, 1513.	4.8	106
22	Integrins Form an Expanding Diffusional Barrier that Coordinates Phagocytosis. <i>Cell</i> , 2016, 164, 128-140.	28.9	163
23	Costimulation of IL-2 Production through CD28 Is Dependent on the Size of Its Ligand. <i>Journal of Immunology</i> , 2015, 195, 5432-5439.	0.8	12
24	Measuring Compressional Resistance in Large Surface Molecules. <i>Biophysical Journal</i> , 2014, 106, 235a.	0.5	0
25	S100A8 and S100A9 are oxidant scavengers in inflammation. <i>Free Radical Biology and Medicine</i> , 2013, 58, 170-186.	2.9	67
26	S100A12 Suppresses Pro-inflammatory, but Not Pro-Thrombotic Functions of Serum Amyloid A. <i>PLoS ONE</i> , 2013, 8, e62372.	2.5	12
27	Non-catalytic tyrosine-phosphorylated receptors. <i>Immunological Reviews</i> , 2012, 250, 258-276.	6.0	74
28	Inflammation-associated S100 proteins: new mechanisms that regulate function. <i>Amino Acids</i> , 2011, 41, 821-842.	2.7	290
29	Soluble Structure of CLIC and S100 Proteins Investigated by Atomic Force Microscopy. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2011, 02, 8-17.	0.5	3
30	S-Glutathionylation Regulates Inflammatory Activities of S100A9. <i>Journal of Biological Chemistry</i> , 2010, 285, 14377-14388.	3.4	60
31	Pleiotropic Roles of S100A12 in Coronary Atherosclerotic Plaque Formation and Rupture. <i>Journal of Immunology</i> , 2009, 183, 593-603.	0.8	68
32	Oxidative modifications of S100 proteins: functional regulation by redox. <i>Journal of Leukocyte Biology</i> , 2009, 86, 577-587.	3.3	133
33	Proteomics as a Method for Early Detection of Cancer: A Review of Proteomics, Exhaled Breath Condensate, and Lung Cancer Screening. <i>Journal of General Internal Medicine</i> , 2008, 23, 78-84.	2.6	122
34	229 Does S100A12 activate mast cells and monocytes/macrophages via rage?. <i>Cytokine</i> , 2008, 43, 293-294.	3.2	0
35	Mast Cell and Monocyte Recruitment by S100A12 and Its Hinge Domain. <i>Journal of Biological Chemistry</i> , 2008, 283, 13035-13043.	3.4	68
36	Serum Amyloid A Induces Monocyte Tissue Factor. <i>Journal of Immunology</i> , 2007, 178, 1852-1860.	0.8	104

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37	Inflammatory S100A9 and S100A12 proteins in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2006, 27, 1554-1563.	3.1	146
38	Probing the S100 protein family through genomic and functional analysis. <i>Genomics</i> , 2004, 84, 10-22.	2.9	153