

# Adam D Hoppe

## List of Publications by Year in descending order

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57  
papers

3,055  
citations

279487

23  
h-index

214527

47  
g-index

66  
all docs

66  
docs citations

66  
times ranked

4070  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescence Resonance Energy Transfer-Based Stoichiometry in Living Cells. <i>Biophysical Journal</i> , 2002, 83, 3652-3664.	0.2	327
2	Cdc42, Rac1, and Rac2 Display Distinct Patterns of Activation during Phagocytosis. <i>Molecular Biology of the Cell</i> , 2004, 15, 3509-3519.	0.9	312
3	Isolation of a Novel Swine Influenza Virus from Oklahoma in 2011 Which Is Distantly Related to Human Influenza C Viruses. <i>PLoS Pathogens</i> , 2013, 9, e1003176.	2.1	268
4	The coordination of signaling during Fc receptor-mediated phagocytosis. <i>Journal of Leukocyte Biology</i> , 2004, 76, 1093-1103.	1.5	260
5	Sequential signaling in plasma-membrane domains during macropinosome formation in macrophages. <i>Journal of Cell Science</i> , 2009, 122, 3250-3261.	1.2	155
6	The uniformity of phagosome maturation in macrophages. <i>Journal of Cell Biology</i> , 2004, 164, 185-194.	2.3	152
7	Membrane perforations inhibit lysosome fusion by altering pH and calcium in <i>Listeria monocytogenes</i> vacuoles. <i>Cellular Microbiology</i> , 2006, 8, 781-792.	1.1	148
8	Kinesin-1 structural organization and conformational changes revealed by FRET stoichiometry in live cells. <i>Journal of Cell Biology</i> , 2007, 176, 51-63.	2.3	133
9	Arp2 Links Autophagic Machinery with the Actin Cytoskeleton. <i>Molecular Biology of the Cell</i> , 2008, 19, 1962-1975.	0.9	111
10	A Phosphatidylinositol-3-Kinase-Dependent Signal Transition Regulates ARF1 and ARF6 during Fc $\gamma$ 3 Receptor-Mediated Phagocytosis. <i>PLoS Biology</i> , 2006, 4, e162.	2.6	109
11	A Cdc42 Activation Cycle Coordinated by PI 3-Kinase during Fc Receptor-mediated Phagocytosis. <i>Molecular Biology of the Cell</i> , 2010, 21, 470-480.	0.9	99
12	Coordination of Fc receptor signaling regulates cellular commitment to phagocytosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19332-19337.	3.3	93
13	Membrane bending occurs at all stages of clathrin-coat assembly and defines endocytic dynamics. <i>Nature Communications</i> , 2018, 9, 419.	5.8	82
14	Polarized Fluorescence Resonance Energy Transfer Microscopy. <i>Biophysical Journal</i> , 2004, 87, 2787-2797.	0.2	77
15	Abnormal small heat shock protein interactions involving neuropathy-associated HSP22 (HSPB8) mutants. <i>FASEB Journal</i> , 2006, 20, 2168-2170.	0.2	76
16	Quantitative Fluorescence Resonance Energy Transfer Microscopy Analysis of the Human Immunodeficiency Virus Type 1 Gag-Gag Interaction: Relative Contributions of the CA and NC Domains and Membrane Binding. <i>Journal of Virology</i> , 2009, 83, 7322-7336.	1.5	62
17	A FRET analysis to unravel the role of cholesterol in Rac1 and PI 3-kinase activation in the InlB/Met signalling pathway. <i>Cellular Microbiology</i> , 2007, 9, 790-803.	1.1	61
18	Myopathy-associated $\beta$ -crystallin Mutants. <i>Journal of Biological Chemistry</i> , 2007, 282, 34276-34287.	1.6	57

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19	Prediction of regulatory motifs from human Chip-sequencing data using a deep learning framework. <i>Nucleic Acids Research</i> , 2019, 47, 7809-7824.	6.5	47
20	N-Way FRET Microscopy of Multiple Protein-Protein Interactions in Live Cells. <i>PLoS ONE</i> , 2013, 8, e64760.	1.1	44
21	Three-Dimensional FRET Reconstruction Microscopy for Analysis of Dynamic Molecular Interactions in Live Cells. <i>Biophysical Journal</i> , 2008, 95, 400-418.	0.2	40
22	Abnormal interaction of motor neuropathy-associated mutant HspB8 (Hsp22) forms with the RNA helicase Ddx20 (gemin3). <i>Cell Stress and Chaperones</i> , 2010, 15, 567-582.	1.2	32
23	Live cell fluorescence microscopy to study microbial pathogenesis. <i>Cellular Microbiology</i> , 2009, 11, 540-550.	1.1	28
24	TIRF imaging of Fc gamma receptor microclusters dynamics and signaling on macrophages during frustrated phagocytosis. <i>BMC Immunology</i> , 2016, 17, 5.	0.9	28
25	Uniform Total Internal Reflection Fluorescence Illumination Enables Live Cell Fluorescence Resonance Energy Transfer Microscopy. <i>Microscopy and Microanalysis</i> , 2013, 19, 350-359.	0.2	27
26	Optimizing fluorescent protein trios for 3-Way FRET imaging of protein interactions in living cells. <i>Scientific Reports</i> , 2015, 5, 10270.	1.6	21
27	Sterols lower energetic barriers of membrane bending and fission necessary for efficient clathrin-mediated endocytosis. <i>Cell Reports</i> , 2021, 37, 110008.	2.9	20
28	Delivery of the CSF-1R to the lumen of macropinosomes promotes its destruction in macrophages. <i>Journal of Cell Science</i> , 2014, 127, 5228-39.	1.2	19
29	Genomic and evolutionary characterization of a novel influenza-C-like virus from swine. <i>Archives of Virology</i> , 2014, 159, 249-255.	0.9	19
30	The structural dynamics of macropinosome formation and PI3-kinase-mediated sealing revealed by lattice light sheet microscopy. <i>Nature Communications</i> , 2021, 12, 4838.	5.8	18
31	Both cytopathic and non-cytopathic bovine viral diarrhea virus (BVDV) induced autophagy at a similar rate. <i>Veterinary Immunology and Immunopathology</i> , 2017, 193-194, 1-9.	0.5	18
32	A computational approach to inferring cellular protein-protein binding affinities from quantitative fluorescence resonance energy transfer imaging. <i>Proteomics</i> , 2009, 9, 5371-5383.	1.3	14
33	Three-Dimensional Reconstruction of Three-Way FRET Microscopy Improves Imaging of Multiple Protein-Protein Interactions. <i>PLoS ONE</i> , 2016, 11, e0152401.	1.1	13
34	CSF-1 receptor signalling is governed by pre-requisite EHD1 mediated receptor display on the macrophage cell surface. <i>Cellular Signalling</i> , 2016, 28, 1325-1335.	1.7	10
35	FRETting about the affinity of bimolecular protein-protein interactions. <i>Protein Science</i> , 2018, 27, 1850-1856.	3.1	8
36	Selective BODIPY® based fluorescent chemosensor for imaging Pb <sup>2+</sup> ion in living cells. <i>Tetrahedron Letters</i> , 2012, 53, 4273-4275.	0.7	7

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37	Mediation of a Phase Transition in Hyaluronate Films by the Counterions Li, Cs, Mg and Ca as Observed by Infrared Spectroscopy, Optical Microscopy, and Optical Birefringence. <i>Journal of Biomolecular Structure and Dynamics</i> , 1999, 17, 607-616.	2.0	6
38	Generation of a CLTA reporter human induced pluripotent stem cell line, CRMi001-A-1, using the CRISPR/Cas9 system to monitor endogenous clathrin trafficking. <i>Stem Cell Research</i> , 2018, 33, 95-99.	0.3	6
39	Human Monoclonal Antibody Derived from Transchromosomal Cattle Neutralizes Multiple H1 Clades of Influenza A Virus by Recognizing a Novel Conformational Epitope in the Hemagglutinin Head Domain. <i>Journal of Virology</i> , 2020, 94, .	1.5	6
40	FRET-Based Imaging of Rac and Cdc42 Activation During Fc-Receptor-Mediated Phagocytosis in Macrophages. <i>Methods in Molecular Biology</i> , 2012, 827, 235-251.	0.4	6
41	Engineered IgG1-Fc Molecules Define Valency Control of Cell Surface Fc $\gamma$ 3 Receptor Inhibition and Activation in Endosomes. <i>Frontiers in Immunology</i> , 2020, 11, 617767.	2.2	5
42	Seroprevalence of SARS-CoV-2 antibodies among rural healthcare workers. <i>Journal of Medical Virology</i> , 2021, 93, 6611-6618.	2.5	4
43	Pulse shaping multiphoton FRET microscopy. , 2012, 8226, .		2
44	Three-dimensional FRET microscopy. , 2006, , .		1
45	Imaging Subresolution Membrane Curvature in Living Cells by Back Focal Plane Positioning Polarized Total Internal Reflection Microscopy (TIRFM). <i>Biophysical Journal</i> , 2012, 102, 726a.	0.2	1
46	Correlated fluorescence-atomic force microscopy studies of the clathrin mediated endocytosis in SKMEL cells. <i>Proceedings of SPIE</i> , 2017, , .	0.8	1
47	Sterols Lower Energetic Barriers of Membrane Bending and Fission Necessary for Efficient Clathrin Mediated Endocytosis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
48	Fluctuation Spectroscopy Methods for the Analysis of Membrane Processes. , 2014, , 236-259.		1
49	N-Way FRET Microscopy for Imaging Multiple Protein Interactions Within a Single Living Cell. <i>Biophysical Journal</i> , 2011, 100, 183a.	0.2	0
50	Three-Dimensional Multifluorophore FRET Microscopy. <i>Biophysical Journal</i> , 2012, 102, 198a.	0.2	0
51	Optimization of FRET Microscopy for Live-Cell Imaging of Multiple Protein-Protein Interactions. <i>Biophysical Journal</i> , 2013, 104, 669a.	0.2	0
52	Polarized-Tirf-Based Monitoring of Sub-Resolution Membrane Curvature Dynamics during Clathrin-Mediated Endocytosis. <i>Biophysical Journal</i> , 2013, 104, 618a-619a.	0.2	0
53	Raising the Speed Limit on 3D-3Way FRET Microscopy. <i>Biophysical Journal</i> , 2015, 108, 321a.	0.2	0
54	Imaging Sub-Diffraction Membrane Curvature Dynamics during Clathrin Mediated Endocytosis. <i>Biophysical Journal</i> , 2015, 108, 32a.	0.2	0

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55	Gga/Clathrinâ€Dependent Transport from the TGN to the Late Endosome/Prevacuolar Compartment. FASEB Journal, 2008, 22, 628.6.	0.2	0
56	FRETting for a benchmark (LB280). FASEB Journal, 2014, 28, LB280.	0.2	0
57	Sterol metabolism regulates clathrinâ€mediated endocytosis and intracellular trafficking within isogenic stem cell models. FASEB Journal, 2022, 36, .	0.2	0