

Kelly L Rogers

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

4,648
citations

126907

33
h-index

118850

62
g-index

70
all docs

70
docs citations

70
times ranked

6512
citing authors

#	ARTICLE	IF	CITATIONS
1	BAK/BAX macropores facilitate mitochondrial herniation and mtDNA efflux during apoptosis. <i>Science</i> , 2018, 359, .	12.6	581
2	TDP-43 Triggers Mitochondrial DNA Release via mPTP to Activate cGAS/STING in ALS. <i>Cell</i> , 2020, 183, 636-649.e18.	28.9	453
3	Super-Resolution Dissection of Coordinated Events during Malaria Parasite Invasion of the Human Erythrocyte. <i>Cell Host and Microbe</i> , 2011, 9, 9-20.	11.0	303
4	Spatial omics and multiplexed imaging to explore cancer biology. <i>Nature Methods</i> , 2021, 18, 997-1012.	19.0	279
5	MLKL trafficking and accumulation at the plasma membrane control the kinetics and threshold for necroptosis. <i>Nature Communications</i> , 2020, 11, 3151.	12.8	194
6	Essential Role of the PfRh5/PfRipr/CyRPA Complex during <i>Plasmodium falciparum</i> Invasion of Erythrocytes. <i>Cell Host and Microbe</i> , 2016, 20, 60-71.	11.0	170
7	Megakaryocytes possess a functional intrinsic apoptosis pathway that must be restrained to survive and produce platelets. <i>Journal of Experimental Medicine</i> , 2011, 208, 2017-2031.	8.5	162
8	The neuropeptide VIP confers anticipatory mucosal immunity by regulating ILC3 activity. <i>Nature Immunology</i> , 2020, 21, 168-177.	14.5	133
9	Neutrophil-Delivered Myeloperoxidase Dampens the Hydrogen Peroxide Burst after Tissue Wounding in Zebrafish. <i>Current Biology</i> , 2012, 22, 1818-1824.	3.9	117
10	Macrophages provide a transient muscle stem cell niche via NAMPT secretion. <i>Nature</i> , 2021, 591, 281-287.	27.8	111
11	Probing the Penetration of Antimicrobial Polymyxin Lipopeptides into Gram-Negative Bacteria. <i>Bioconjugate Chemistry</i> , 2014, 25, 750-760.	3.6	103
12	Î±/Î²-Peptide Foldamers Targeting Intracellular Proteinâ€“Protein Interactions with Activity in Living Cells. <i>Journal of the American Chemical Society</i> , 2015, 137, 11365-11375.	13.7	101
13	Fas-mediated neutrophil apoptosis is accelerated by Bid, Bak, and Bax and inhibited by Bcl-2 and Mcl-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13135-13140.	7.1	98
14	Monosodium Urate Crystals Generate Nuclease-Resistant Neutrophil Extracellular Traps via a Distinct Molecular Pathway. <i>Journal of Immunology</i> , 2018, 200, 1802-1816.	0.8	98
15	Flexible Usage and Interconnectivity of Diverse Cell Death Pathways Protect against Intracellular Infection. <i>Immunity</i> , 2020, 53, 533-547.e7.	14.3	98
16	Cell Traversal Activity Is Important for <i>Plasmodium falciparum</i> Liver Infection in Humanized Mice. <i>Cell Reports</i> , 2017, 18, 3105-3116.	6.4	91
17	Non-Invasive In Vivo Imaging of Calcium Signaling in Mice. <i>PLoS ONE</i> , 2007, 2, e974.	2.5	81
18	Spatial association with PTEX complexes defines regions for effector export into <i>Plasmodium falciparum</i> -infected erythrocytes. <i>Nature Communications</i> , 2013, 4, 1415.	12.8	79

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19	Visualization of local Ca ²⁺ dynamics with genetically encoded bioluminescent reporters. <i>European Journal of Neuroscience</i> , 2005, 21, 597-610.	2.6	77
20	Mcl-1 and Bcl-xL coordinately regulate megakaryocyte survival. <i>Blood</i> , 2012, 119, 5850-5858.	1.4	76
21	In vivo Bioluminescence Imaging of Ca ²⁺ Signalling in the Brain of <i>Drosophila</i> . <i>PLoS ONE</i> , 2007, 2, e275.	2.5	72
22	Effector and stem-like memory cell fates are imprinted in distinct lymph node niches directed by CXCR3 ligands. <i>Nature Immunology</i> , 2021, 22, 434-448.	14.5	66
23	Major Pathways of Polymyxin-Induced Apoptosis in Rat Kidney Proximal Tubular Cells. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 2136-2143.	3.2	59
24	Activation mechanism of PINK1. <i>Nature</i> , 2022, 602, 328-335.	27.8	59
25	<i>Plasmodium falciparum</i> ligand binding to erythrocytes induce alterations in deformability essential for invasion. <i>ELife</i> , 2017, 6, .	6.0	57
26	Smchd1 Targeting to the Inactive X Is Dependent on the Xist-HnrnpK-PRC1 Pathway. <i>Cell Reports</i> , 2018, 25, 1912-1923.e9.	6.4	56
27	Significant Accumulation of Polymyxin in Single Renal Tubular Cells: A Medicinal Chemistry and Triple Correlative Microscopy Approach. <i>Analytical Chemistry</i> , 2015, 87, 1590-1595.	6.5	54
28	A lineage of diploid platelet-forming cells precedes polyploid megakaryocyte formation in the mouse embryo. <i>Blood</i> , 2014, 124, 2725-2729.	1.4	52
29	Inhibition of platelet aggregation and 5-HT release by extracts of Australian plants used traditionally as headache treatments. <i>European Journal of Pharmaceutical Sciences</i> , 2000, 9, 355-363.	4.0	51
30	Analysis of Ca ²⁺ mediated signaling regulating <i>Toxoplasma</i> infectivity reveals complex relationships between key molecules. <i>Cellular Microbiology</i> , 2017, 19, e12685.	2.1	48
31	Quantitative analysis of <i>Plasmodium</i> ookinete motion in three dimensions suggests a critical role for cell shape in the biomechanics of malaria parasite gliding motility. <i>Cellular Microbiology</i> , 2014, 16, 734-750.	2.1	45
32	Deficiency in coatamer complex I causes aberrant activation of STING signalling. <i>Nature Communications</i> , 2022, 13, 2321.	12.8	43
33	Red-Shifted Aequorin-Based Bioluminescent Reporters for in Vivo Imaging of Ca ²⁺ Signaling. <i>Molecular Imaging</i> , 2007, 6, 7290.2006.00033.	1.4	41
34	Subcompartmentalisation of Proteins in the Rhoptries Correlates with Ordered Events of Erythrocyte Invasion by the Blood Stage Malaria Parasite. <i>PLoS ONE</i> , 2012, 7, e46160.	2.5	41
35	4D analysis of malaria parasite invasion offers insights into erythrocyte membrane remodeling and parasitophorous vacuole formation. <i>Nature Communications</i> , 2021, 12, 3620.	12.8	38
36	A toolbox for imaging RIPK1, RIPK3, and MLKL in mouse and human cells. <i>Cell Death and Differentiation</i> , 2021, 28, 2126-2144.	11.2	37

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37	New device for real-time bioluminescence imaging in moving rodents. <i>Journal of Biomedical Optics</i> , 2008, 13, 054035.	2.6	33
38	An Erg-driven transcriptional program controls B cell lymphopoiesis. <i>Nature Communications</i> , 2020, 11, 3013.	12.8	29
39	In vivo excitation of nanoparticles using luminescent bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8890-8895.	7.1	26
40	Cancer cell CCL5 mediates bone marrow independent angiogenesis in breast cancer. <i>Oncotarget</i> , 2016, 7, 85437-85449.	1.8	26
41	Localization of dipeptidyl peptidase-4 (CD26) to human pancreatic ducts and islet alpha cells. <i>Diabetes Research and Clinical Practice</i> , 2015, 110, 291-300.	2.8	25
42	Fluorescence detection of plant extracts that affect neuronal voltage-gated Ca ²⁺ channels. <i>European Journal of Pharmaceutical Sciences</i> , 2002, 15, 321-330.	4.0	23
43	The site of breast cancer metastases dictates their clonal composition and reversible transcriptomic profile. <i>Science Advances</i> , 2021, 7, .	10.3	23
44	The Use of Aequorins to Record and Visualize Ca ²⁺ Dynamics: From Subcellular Microdomains to Whole Organisms. <i>Methods in Cell Biology</i> , 2010, 99, 263-300.	1.1	22
45	Protein kinase R is an innate immune sensor of proteotoxic stress via accumulation of cytoplasmic IL-24. <i>Science Immunology</i> , 2022, 7, eabi6763.	11.9	22
46	Electron-multiplying charge-coupled detector-based bioluminescence recording of single-cell Ca ²⁺ . <i>Journal of Biomedical Optics</i> , 2008, 13, 1.	2.6	19
47	The reinvention of twentieth century microscopy for three-dimensional imaging. <i>Immunology and Cell Biology</i> , 2017, 95, 520-524.	2.3	19
48	Modulation of in vitro platelet 5-HT release by species of <i>Erythrina</i> and <i>Cymbopogon</i> . <i>Life Sciences</i> , 2001, 69, 1817-1829.	4.3	17
49	Red-shifted aequorin-based bioluminescent reporters for in vivo imaging of Ca ²⁺ signaling. <i>Molecular Imaging</i> , 2007, 6, 30-42.	1.4	17
50	Localization-based imaging of malarial antigens during red cell entry reaffirms role for AMA1 but not MTRAP in invasion. <i>Journal of Cell Science</i> , 2016, 129, 228-42.	2.0	16
51	Transcriptional modification of host cells harboring <i>Toxoplasma gondii</i> bradyzoites prevents IFN gamma-mediated cell death. <i>Cell Host and Microbe</i> , 2022, 30, 232-247.e6.	11.0	15
52	Isolation of Bioactive Compounds That Relate to the Anti-Platelet Activity of <i>Cymbopogon ambiguus</i> . <i>Evidence-based Complementary and Alternative Medicine</i> , 2011, 2011, 1-8.	1.2	14
53	Isolation of two phenylethanoid glycosides from <i>Eremophila gilesii</i> . <i>Journal of Ethnopharmacology</i> , 2003, 86, 123-125.	4.1	9
54	Alectinib induces marked red cell spherocanthocytosis in a near-ubiquitous fashion and is associated with reduced eosin-5-maleimide binding. <i>Pathology</i> , 2021, 53, 608-612.	0.6	9

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55	Molecular Mechanisms of Migraine. <i>Molecular Diagnosis and Therapy</i> , 2003, 3, 329-343.	3.3	8
56	Chromosomes distribute randomly to, but not within, human neutrophil nuclear lobes. <i>IScience</i> , 2021, 24, 102161.	4.1	8
57	RhopH2 and RhopH3 export enables assembly of the RhopH complex on <i>P. falciparum</i> -infected erythrocyte membranes. <i>Communications Biology</i> , 2022, 5, 333.	4.4	5
58	Epigenetic modulators of B cell fate identified through coupled phenotype-transcriptome analysis. <i>Cell Death and Differentiation</i> , 2022, 29, 2519-2530.	11.2	5
59	Converse Smith-Martin cell cycle kinetics by transformed B lymphocytes. <i>Cell Cycle</i> , 2018, 17, 2041-2051.	2.6	4
60	Imaging Africa: a strategic approach to optical microscopy training in Africa. <i>Nature Methods</i> , 2021, 18, 847-855.	19.0	4
61	Validation of method for enhanced production of red-shifted bioluminescent photons in vivo. , 2011, , .		2
62	A Step Beyond BRET: Fluorescence by Unbound Excitation from Luminescence (FUEL). <i>Journal of Visualized Experiments</i> , 2014, , .	0.3	2
63	Megakaryocytes possess a functional intrinsic apoptosis pathway that must be restrained to survive and produce platelets. <i>Journal of Cell Biology</i> , 2011, 194, i12-i12.	5.2	0
64	In Vitro and In Vivo Demonstrations of Fluorescence by Unbound Excitation from Luminescence (FUEL). <i>Methods in Molecular Biology</i> , 2014, 1098, 259-270.	0.9	0