

Alan R Kimmel

List of Publications by Year in descending order

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42
papers

2,199
citations

331670

21
h-index

276875

41
g-index

45
all docs

45
docs citations

45
times ranked

2360
citing authors

#	ARTICLE	IF	CITATIONS
1	Adoption of PERILIPIN as a unifying nomenclature for the mammalian PAT-family of intracellular lipid storage droplet proteins. <i>Journal of Lipid Research</i> , 2010, 51, 468-471.	4.2	370
2	On the Control of Lipolysis in Adipocytes. <i>Annals of the New York Academy of Sciences</i> , 1999, 892, 155-168.	3.8	225
3	The Perilipins: Major Cytosolic Lipid Droplet-associated Proteins and Their Roles in Cellular Lipid Storage, Mobilization, and Systemic Homeostasis. <i>Annual Review of Nutrition</i> , 2016, 36, 471-509.	10.1	208
4	The murine perilipin gene: the lipid droplet-associated perilipins derive from tissue-specific, mRNA splice variants and define a gene family of ancient origin. <i>Mammalian Genome</i> , 2001, 12, 741-749.	2.2	206
5	The murine perilipin gene: the lipid droplet-associated perilipins derive from tissue-specific, mRNA splice variants and define a gene family of ancient origin. <i>Mammalian Genome</i> , 2001, 12, 741-749.	2.2	137
6	Different molecular mechanisms for cAMP regulation of gene expression during <i>Dictyostelium</i> development. <i>Developmental Biology</i> , 1987, 122, 163-171.	2.0	107
7	Perilipin 5, a lipid droplet protein adapted to mitochondrial energy utilization. <i>Current Opinion in Lipidology</i> , 2014, 25, 110-117.	2.7	86
8	Multiple genes for cell surface cAMP receptors in <i>Dictyostelium discoideum</i> . <i>Genesis</i> , 1991, 12, 6-13.	2.1	85
9	Hydrophilic Peptides Derived from the Transframe Region of Gag-Pol Inhibit the HIV-1 Protease. <i>Biochemistry</i> , 1998, 37, 2105-2110.	2.5	85
10	The Signal to Move: <i>D. discoideum</i> Go Orienteering. <i>Science</i> , 2003, 300, 1525-1527.	12.6	82
11	Breaking symmetries: regulation of <i>Dictyostelium</i> development through chemoattractant and morphogen signal-response. <i>Current Opinion in Genetics and Development</i> , 2004, 14, 540-549.	3.3	62
12	Oscillatory signaling and network responses during the development of <i>Dictyostelium discoideum</i> . <i>Ageing Research Reviews</i> , 2008, 7, 234-248.	10.9	47
13	Perilipin 5 is protective in the ischemic heart. <i>International Journal of Cardiology</i> , 2016, 219, 446-454.	1.7	43
14	Crystallographic Analysis of Human Immunodeficiency Virus 1 Protease with an Analog of the Conserved CA-p2 Substrate. Interactions with Frequently Occurring Glutamic Acid Residue at P2' Position of Substrates. <i>FEBS Journal</i> , 1997, 249, 523-530.	0.2	39
15	Nonadaptive Regulation of ERK2 in <i>Dictyostelium</i> : Implications for Mechanisms of cAMP Relay. <i>Molecular Biology of the Cell</i> , 2006, 17, 4220-4227.	2.1	34
16	Loss of perilipin 2 in cultured myotubes enhances lipolysis and redirects the metabolic energy balance from glucose oxidation towards fatty acid oxidation. <i>Journal of Lipid Research</i> , 2017, 58, 2147-2161.	4.2	32
17	Phosphorylation of chemoattractant receptors regulates chemotaxis, actin re-organization, and signal-relay. <i>Journal of Cell Science</i> , 2013, 126, 4614-26.	2.0	31
18	Perilipin 3 Deficiency Stimulates Thermogenic Beige Adipocytes Through PPAR α Activation. <i>Diabetes</i> , 2018, 67, 791-804.	0.6	31

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19	The Application of the Cre-loxP System for Generating Multiple Knock-out and Knock-in Targeted Loci. <i>Methods in Molecular Biology</i> , 2013, 983, 249-267.	0.9	30
20	Plin2-deficiency reduces lipophagy and results in increased lipid accumulation in the heart. <i>Scientific Reports</i> , 2019, 9, 6909.	3.3	30
21	The Regulation of Dictyostelium Development by Transmembrane Signalling. <i>Journal of Eukaryotic Microbiology</i> , 1995, 42, 200-205.	1.7	29
22	Generation of Multiple Knockout Mutants Using the Cre-loxP System. , 2006, 346, 187-200.		25
23	mTORC1/AMPK responses define a core gene set for developmental cell fate switching. <i>BMC Biology</i> , 2019, 17, 58.	3.8	18
24	Plin2 deletion increases cholesteryl ester lipid droplet content and disturbs cholesterol balance in adrenal cortex. <i>Journal of Lipid Research</i> , 2021, 62, 100048.	4.2	18
25	Chemoattractant stimulation of TORC2 is regulated by receptor/G protein–targeted inhibitory mechanisms that function upstream and independently of an essential GEF/Ras activation pathway in <i>Dictyostelium</i> . <i>Molecular Biology of the Cell</i> , 2013, 24, 2146-2155.	2.1	17
26	Deficiency in perilipin 5 reduces mitochondrial function and membrane depolarization in mouse hearts. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 91, 9-13.	2.8	17
27	Structure and expression of the cAMP cell-surface receptor. <i>Genesis</i> , 1988, 9, 227-235.	2.1	16
28	A High-Throughput, Multi-Cell Phenotype Assay for the Identification of Novel Inhibitors of Chemotaxis/Migration. <i>Scientific Reports</i> , 2016, 6, 22273.	3.3	15
29	Chemotactic network responses to live bacteria show independence of phagocytosis from chemoreceptor sensing. <i>ELife</i> , 2017, 6, .	6.0	12
30	Genes encoding novel GTP-binding proteins in <i>Dictyostelium</i> . <i>Genesis</i> , 1988, 9, 259-265.	2.1	11
31	Biochemical Responses to Chemically Distinct Chemoattractants During the Growth and Development of <i>Dictyostelium</i> . <i>Methods in Molecular Biology</i> , 2016, 1407, 141-151.	0.9	8
32	Regulation of nucleosome positioning by a CHD Type III chromatin remodeler and its relationship to developmental gene expression in <i>Dictyostelium</i> . <i>Genome Research</i> , 2017, 27, 591-600.	5.5	8
33	Spatial and Temporal Dynamics of Signaling Components Involved in the Control of Chemotaxis in <i>Dictyostelium discoideum</i> . <i>Science Signaling</i> , 2004, 2004, tr3-tr3.	3.6	6
34	Regulation of gene expression by the intracellular second messengers IP3 and diacylglycerol. <i>Genesis</i> , 1988, 9, 351-358.	2.1	5
35	An Orphan Nuclear Receptor Finds a Home. <i>Molecular Cell</i> , 2010, 37, 155-157.	9.7	5
36	Quantification of Live Bacterial Sensing for Chemotaxis and Phagocytosis and of Macropinocytosis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 62.	3.9	3

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37	A post-transcriptional regulon controlled by TtpA, the single tristetraprolin family member expressed in <i>Dictyostelium discoideum</i> . <i>Nucleic Acids Research</i> , 2021, 49, 11920-11937.	14.5	3
38	A Unique High-Throughput Assay to Identify Novel Small Molecule Inhibitors of Chemotaxis and Migration. <i>Current Protocols in Cell Biology</i> , 2017, 74, 12.11.1-12.11.13.	2.3	2
39	Isolated Plin5-deficient cardiomyocytes store less lipid droplets than normal, but without increased sensitivity to hypoxia. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021, 1866, 158873.	2.4	2
40	An ERK Phosphoproteome Expands Chemotactic Signaling in <i>Dictyostelium</i> . <i>Developmental Cell</i> , 2019, 48, 421-422.	7.0	1
41	DPF is a cell-density sensing factor, with cell-autonomous and non-autonomous functions during <i>Dictyostelium</i> growth and development. <i>BMC Biology</i> , 2019, 17, 97.	3.8	1
42	Nutrient/Starvation sensing for Reciprocal mTORC1/AMPK response in <i>Dictyostelium</i> , at the junction between Growth and Development. <i>FASEB Journal</i> , 2018, 32, lb141.	0.5	0