

Ludwig Eichinger

List of Publications by Year in descending order

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99
papers

12,296
citations

136950

32
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34986

98
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102
all docs

102
docs citations

102
times ranked

23981
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
3	The genome of the social amoeba <i>Dictyostelium discoideum</i> . <i>Nature</i> , 2005, 435, 43-57.	27.8	1,179
4	Large scale multiplex PCR improves pathogen detection by DNA microarrays. <i>BMC Microbiology</i> , 2009, 9, 1.	3.3	241
5	Sequence and analysis of chromosome 2 of <i>Dictyostelium discoideum</i> . <i>Nature</i> , 2002, 418, 79-85.	27.8	176
6	Phylogeny-wide analysis of social amoeba genomes highlights ancient origins for complex intercellular communication. <i>Genome Research</i> , 2011, 21, 1882-1891.	5.5	145
7	Comparative genomics of the social amoebae <i>Dictyostelium discoideum</i> and <i>Dictyostelium purpureum</i> . <i>Genome Biology</i> , 2011, 12, R20.	9.6	141
8	<i>Dictyostelium</i> transcriptional host cell response upon infection with <i>Legionella</i> . <i>Cellular Microbiology</i> , 2006, 8, 438-456.	2.1	118
9	The Professional Phagocyte <i>Dictyostelium discoideum</i> as a Model Host for Bacterial Pathogens. <i>Current Drug Targets</i> , 2011, 12, 942-954.	2.1	115
10	Silencing of retrotransposons in <i>Dictyostelium</i> by DNA methylation and RNAi. <i>Nucleic Acids Research</i> , 2005, 33, 6405-6417.	14.5	109
11	<i>Acanthamoeba</i> and <i>Dictyostelium</i> as Cellular Models for <i>Legionella</i> Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 61.	3.9	101
12	Loss of <i>Dictyostelium</i> ATG9 results in a pleiotropic phenotype affecting growth, development, phagocytosis and clearance and replication of <i>Legionella pneumophila</i> . <i>Cellular Microbiology</i> , 2010, 12, 765-780.	2.1	89
13	Simple system “ substantial share: The use of <i>Dictyostelium</i> in cell biology and molecular medicine. <i>European Journal of Cell Biology</i> , 2013, 92, 45-53.	3.6	88
14	The <i>Dictyostelium</i> repertoire of seven transmembrane domain receptors. <i>European Journal of Cell Biology</i> , 2006, 85, 937-946.	3.6	81
15	Autophagy in <i>Dictyostelium</i> : Mechanisms, regulation and disease in a simple biomedical model. <i>Autophagy</i> , 2017, 13, 24-40.	9.1	74
16	The Genome of the Foraminiferan <i>Reticulomyxa filosa</i> . <i>Current Biology</i> , 2014, 24, 11-18.	3.9	73
17	Contrasting evolution of expression differences in the testis between species and subspecies of the house mouse. <i>Genome Research</i> , 2007, 17, 42-49.	5.5	67
18	Strumpellin is a novel valosin-containing protein binding partner linking hereditary spastic paraplegia to protein aggregation diseases. <i>Brain</i> , 2010, 133, 2920-2941.	7.6	62

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19	The Complex Repeats of Dictyostelium discoideum. Genome Research, 2001, 11, 585-594.	5.5	56
20	Characterization of actin- and lipid-binding domains in severin, a calcium-dependent F-actin fragmenting protein. Biochemistry, 1992, 31, 4779-4787.	2.5	54
21	The nuclear envelope protein Nesprin-2 has roles in cell proliferation and differentiation during wound healing. Nucleus, 2012, 3, 172-186.	2.2	52
22	Structure of Severin Domain 2 in Solution. Journal of Molecular Biology, 1995, 247, 21-27.	4.2	50
23	The Role of ATG16 in Autophagy and The Ubiquitin Proteasome System. Cells, 2019, 8, 2.	4.1	48
24	The Complex Repeats of Dictyostelium discoideum. Genome Research, 2001, 11, 585-594.	5.5	47
25	The Nucleo-cytoplasmic Actin-binding Protein CapG Lacks a Nuclear Export Sequence Present in Structurally Related Proteins. Journal of Biological Chemistry, 2003, 278, 17945-17952.	3.4	46
26	Identification of a Suppressor of the Dictyostelium Profilin-minus Phenotype as a CD36/LIMP-II Homologue. Journal of Cell Biology, 1999, 145, 167-181.	5.2	43
27	Dictyostelium as model system for studies of the actin cytoskeleton by molecular genetics. Microscopy Research and Technique, 1999, 47, 124-134.	2.2	42
28	Salmonella typhimurium is pathogenic for Dictyostelium cells and subverts the starvation response. Cellular Microbiology, 2011, 13, 1793-1811.	2.1	39
29	Cap100, a novel phosphatidylinositol 4,5- biphosphate- regulated protein that caps actin filaments but does not nucleate actin assembly. Cytoskeleton, 1992, 23, 133-144.	4.4	36
30	The Dictyostelium genome encodes numerous RasGEFs with multiple biological roles. Genome Biology, 2005, 6, R68.	9.6	36
31	Inter-kingdom Signaling by the Legionella Quorum Sensing Molecule LAI-1 Modulates Cell Migration through an IQGAP1-Cdc42-ARHGEF9-Dependent Pathway. PLoS Pathogens, 2015, 11, e1005307.	4.7	36
32	Loss of the novel Vcp (valosin containing protein) interactor Washc4 interferes with autophagy-mediated proteostasis in striated muscle and leads to myopathy in vivo. Autophagy, 2018, 14, 1911-1927.	9.1	35
33	Heteromeric p97/p97R155C Complexes Induce Dominant Negative Changes in Wild-Type and Autophagy 9-Deficient Dictyostelium strains. PLoS ONE, 2012, 7, e46879.	2.5	35
34	Manifestations of multicellularity: Dictyostelium reports in. Trends in Genetics, 2005, 21, 392-398.	6.7	34
35	Phosphorylation of CRN2 by CK2 regulates F-actin and Arp2/3 interaction and inhibits cell migration. Scientific Reports, 2012, 2, 241.	3.3	34
36	Characterization and Cloning of a DictyosteliumSte20-like Protein Kinase That Phosphorylates the Actin-binding Protein Severin. Journal of Biological Chemistry, 1998, 273, 12952-12959.	3.4	33

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37	NEW EMBO MEMBER'S REVIEW: Crawling into a new era—the Dictyostelium genome project. EMBO Journal, 2003, 22, 1941-1946.	7.8	31
38	Mapping the Functional Surface of Domain 2 in the Gelsolin Superfamily. Biochemistry, 2000, 39, 5322-5331.	2.5	29
39	Characterization of CD36/LIMPII Homologues in Dictyostelium discoideum. Journal of Biological Chemistry, 2001, 276, 38899-38910.	3.4	29
40	Comparative genomics of Dictyostelium discoideum and Entamoeba histolytica. Current Opinion in Microbiology, 2005, 8, 606-611.	5.1	29
41	Unusual combinatorial involvement of poly-A/T tracts in organizing genes and chromatin in Dictyostelium. Genome Research, 2012, 22, 1098-1106.	5.5	29
42	The phenotypes of ATG9, ATG16 and ATG9/16 knock-out mutants imply autophagy-dependent and -independent functions. Open Biology, 2015, 5, 150008.	3.6	29
43	Structure/function studies on cytoskeletal proteins in Dictyostelium amoebae as a paradigm. FEBS Letters, 1995, 369, 38-42.	2.8	28
44	Non-LTR retrotransposons with unique integration preferences downstream of Dictyostelium discoideum tRNA genes. Molecular Genetics and Genomics, 1999, 262, 772-780.	2.4	28
45	STATc is a key regulator of the transcriptional response to hyperosmotic shock. BMC Genomics, 2007, 8, 123.	2.8	28
46	In Vivo characterization of human myofibrillar myopathy genes in zebrafish. Biochemical and Biophysical Research Communications, 2015, 461, 217-223.	2.1	27
47	How much mutant protein is needed to cause a protein aggregate myopathy in vivo? Lessons from an exceptional desminopathy. Human Mutation, 2009, 30, E490-E499.	2.5	26
48	RpkA, a Highly Conserved GPCR with a Lipid Kinase Domain, Has a Role in Phagocytosis and Anti-Bacterial Defense. PLoS ONE, 2011, 6, e27311.	2.5	26
49	VCP and PSMF1: Antagonistic regulators of proteasome activity. Biochemical and Biophysical Research Communications, 2015, 463, 1210-1217.	2.1	26
50	A G Protein-Coupled Receptor with a Lipid Kinase Domain Is Involved in Cell-Density Sensing. Current Biology, 2007, 17, 892-897.	3.9	24
51	A Coronin7 Homolog with Functions in Actin-driven Processes*. Journal of Biological Chemistry, 2010, 285, 9249-9261.	3.4	23
52	A Tripeptidyl peptidase 1 is a binding partner of GPHR (Golgi pH regulator) in Dictyostelium. DMM Disease Models and Mechanisms, 2017, 10, 897-907.	2.4	22
53	The two Dictyostelium discoideum autophagy 8 proteins have distinct autophagic functions. European Journal of Cell Biology, 2017, 96, 312-324.	3.6	21
54	ATG16 mediates the autophagic degradation of the 19S proteasomal subunits PSMD1 and PSMD2. European Journal of Cell Biology, 2018, 97, 523-532.	3.6	21

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55	Redundant and unique roles of coronin proteins in Dictyostelium. Cellular and Molecular Life Sciences, 2011, 68, 303-313.	5.4	19
56	Coronin 2A (CRN5) expression is associated with colorectal adenoma-adenocarcinoma sequence and oncogenic signalling. BMC Cancer, 2015, 15, 638.	2.6	19
57	The two Dictyostelium autophagy eight proteins, ATG8a and ATG8b, associate with the autophagosome in succession. European Journal of Cell Biology, 2016, 95, 15-25.	3.6	19
58	Filamin-regulated F-actin Assembly Is Essential for Morphogenesis and Controls Phototaxis in Dictyostelium. Journal of Biological Chemistry, 2007, 282, 1948-1955.	3.4	17
59	A GPCR involved in post aggregation events in Dictyostelium discoideum. Developmental Biology, 2007, 312, 29-43.	2.0	17
60	Functional Characterization of Ubiquitin-Like Core Autophagy Protein ATG12 in Dictyostelium discoideum. Cells, 2019, 8, 72.	4.1	15
61	Functional Characterisation of the Autophagy ATG12~5/16 Complex in Dictyostelium discoideum. Cells, 2020, 9, 1179.	4.1	15
62	Revamp a model?status and prospects of the Dictyostelium genome project. Current Genetics, 2003, 44, 59-72.	1.7	14
63	Mutant p97 exhibits species-specific changes of its ATPase activity and compromises the UBXD9-mediated monomerisation of p97 hexamers. European Journal of Cell Biology, 2016, 95, 195-207.	3.6	14
64	A set of genes conserved in sequence and expression traces back the establishment of multicellularity in social amoebae. BMC Genomics, 2016, 17, 871.	2.8	13
65	The Coronin Family of Proteins. Sub-Cellular Biochemistry, 2008, 48, 1-5.	2.4	13
66	Detection of Opportunistic Infections by Low-density Microarrays. Diagnostic Molecular Pathology, 2007, 16, 18-26.	2.1	12
67	Dictyostelium discoideum and autophagy – a perfect pair. International Journal of Developmental Biology, 2019, 63, 485-495.	0.6	12
68	The Carboxy-Terminal Domain of Dictyostelium C-Module-Binding Factor Is an Independent Gene Regulatory Entity. PLoS ONE, 2009, 4, e5012.	2.5	12
69	Two Dictyostelium tyrosine kinase-like kinases function in parallel, stress-induced STAT activation pathways. Molecular Biology of the Cell, 2014, 25, 3222-3233.	2.1	10
70	The function of the inner nuclear envelope protein SUN1 in mRNA export is regulated by phosphorylation. Scientific Reports, 2017, 7, 9157.	3.3	10
71	Depletion of Nesprin-2 is associated with an embryonic lethal phenotype in mice. Nucleus, 2018, 9, 503-515.	2.2	10
72	Editorial: Amoebae as Host Models to Study the Interaction With Pathogens. Frontiers in Cellular and Infection Microbiology, 2019, 9, 47.	3.9	10

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73	ForC lacks canonical formin activity but bundles actin filaments and is required for multicellular development of Dictyostelium cells. <i>European Journal of Cell Biology</i> , 2013, 92, 201-212.	3.6	9
74	Coronin7 regulates WASP and SCAR through CRIB mediated interaction with Rac proteins. <i>Scientific Reports</i> , 2015, 5, 14437.	3.3	9
75	Expression of N471D strumpellin leads to defects in the endolysosomal system. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	2.4	9
76	The heterozygous R155C VCP mutation: Toxic in humans! Harmless in mice?. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 2770-2777.	2.1	9
77	CRN2 binds to TIMP4 and MMP14 and promotes perivascular invasion of glioblastoma cells. <i>European Journal of Cell Biology</i> , 2019, 98, 151046.	3.6	9
78	Dictyostelium Host Response to Legionella Infection: Strategies and Assays. <i>Methods in Molecular Biology</i> , 2013, 954, 417-438.	0.9	9
79	Characterization of the Ste20-like kinase Krs1 of Dictyostelium discoideum. <i>European Journal of Cell Biology</i> , 2006, 85, 1059-1068.	3.6	8
80	The Dictyostelium discoideum GPHR Ortholog Is an Endoplasmic Reticulum and Golgi Protein with Roles during Development. <i>Eukaryotic Cell</i> , 2015, 14, 41-54.	3.4	8
81	A Cytohesin Homolog in Dictyostelium Amoebae. <i>PLoS ONE</i> , 2010, 5, e9378.	2.5	8
82	RNAseq and quantitative proteomic analysis of Dictyostelium knock-out cells lacking the core autophagy proteins ATG9 and/or ATG16. <i>BMC Genomics</i> , 2021, 22, 444.	2.8	7
83	Microarray phenotyping places cyclase associated protein CAP at the crossroad of signaling pathways reorganizing the actin cytoskeleton in Dictyostelium. <i>Experimental Cell Research</i> , 2009, 315, 127-140.	2.6	6
84	Abundantly expressed class of noncoding RNAs conserved through the multicellular evolution of dictyostelid social amoebas. <i>Genome Research</i> , 2021, 31, 436-447.	5.5	5
85	Comparison of Probe Preparation Methods for DNA Microarrays. <i>BioTechniques</i> , 2002, 33, 884-888.	1.8	4
86	Analysis of Gene Expression Using cDNA Microarrays. , 2006, 346, 75-94.		4
87	Dictyostelium Host Response to Legionella Infection: Strategies and Assays. <i>Methods in Molecular Biology</i> , 2019, 1921, 347-370.	0.9	4
88	N471D WASH complex subunit strumpellin knock-out mice display mild motor and cardiac abnormalities and BPTF and KLHL11 dysregulation in brain tissue. <i>Neuropathology and Applied Neurobiology</i> , 2022, 48, .	3.2	4
89	Domain Organization of the UBX Domain Containing Protein 9 and Analysis of Its Interactions With the Homohexameric AAA + ATPase p97 (Valosin-Containing Protein). <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 748860.	3.7	4
90	The C-Terminal SynMuv/DdDUF926 Domain Regulates the Function of the N-Terminal Domain of DdNKAP. <i>PLoS ONE</i> , 2016, 11, e0168617.	2.5	3

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91	A convenient tool for bivariate data analysis and bar graph plotting with R. <i>Biochemistry and Molecular Biology Education</i> , 2019, 47, 207-210.	1.2	2
92	Analysis of organellar genomes in brown algae reveals an independent introduction of similar foreign sequences into the mitochondrial genome. <i>Genomics</i> , 2021, 113, 646-654.	2.9	2
93	Identification of the Protein Kinases Pyk3 and Phg2 as Regulators of the STATc-Mediated Response to Hyperosmolarity. <i>PLoS ONE</i> , 2014, 9, e90025.	2.5	2
94	DictyMOLD-a <i>Dictyostelium discoideum</i> genome browser database. <i>Bioinformatics</i> , 2005, 21, 696-697.	4.1	1
95	Editorial [Hot Topic: Model Organisms to Study Host - Pathogen Interaction: Prerequisites for the Identification of Novel Drug Targets (Guest Editor: Ludwig Eichinger)]. <i>Current Drug Targets</i> , 2011, 12, 934-935.	2.1	1
96	Nesprin-2 Interacts with Condensin Component SMC2. <i>International Journal of Cell Biology</i> , 2017, 2017, 1-15.	2.5	1
97	The regulatory subunit phr2AB of <i>Dictyostelium discoideum</i> phosphatase PP2A interacts with the centrosomal protein CEP161, a CDK5RAP2 ortholog. <i>Genes To Cells</i> , 2018, 23, 923-931.	1.2	1
98	A 24 th generation founder mutation impairs splicing of <i>RBBP8</i> in Pakistani families affected with Jawad syndrome. <i>Clinical Genetics</i> , 2021, 100, 486-488.	2.0	1
99	The Amoeba <i>Dictyostelium discoideum</i> Contributes to <i>Legionella</i> Infection. , 0, , 390-394.		0