

Ludwig Eichinger

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96
papers

10,242
citations

30
h-index

101
g-index

102
ext. papers

11,441
ext. citations

6.6
avg, IF

4.75
L-index

#	Paper	IF	Citations
96	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
95	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-546	10.2	2783
94	The genome of the social amoeba <i>Dictyostelium discoideum</i> . <i>Nature</i> , 2005 , 435, 43-57	50.4	1042
93	Sequence and analysis of chromosome 2 of <i>Dictyostelium discoideum</i> . <i>Nature</i> , 2002 , 418, 79-85	50.4	158
92	Large scale multiplex PCR improves pathogen detection by DNA microarrays. <i>BMC Microbiology</i> , 2009 , 9, 1	4.5	156
91	Comparative genomics of the social amoebae <i>Dictyostelium discoideum</i> and <i>Dictyostelium purpureum</i> . <i>Genome Biology</i> , 2011 , 12, R20	18.3	117
90	Phylogeny-wide analysis of social amoeba genomes highlights ancient origins for complex intercellular communication. <i>Genome Research</i> , 2011 , 21, 1882-91	9.7	112
89	<i>Dictyostelium</i> transcriptional host cell response upon infection with <i>Legionella</i> . <i>Cellular Microbiology</i> , 2006 , 8, 438-56	3.9	93
88	Silencing of retrotransposons in <i>Dictyostelium</i> by DNA methylation and RNAi. <i>Nucleic Acids Research</i> , 2005 , 33, 6405-17	20.1	91
87	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, 765-80	3.9	83
86	The professional phagocyte <i>Dictyostelium discoideum</i> as a model host for bacterial pathogens. <i>Current Drug Targets</i> , 2011 , 12, 942-54	3	73
85	The <i>Dictyostelium</i> repertoire of seven transmembrane domain receptors. <i>European Journal of Cell Biology</i> , 2006 , 85, 937-46	6.1	71
84	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	6.1	67
83	Contrasting evolution of expression differences in the testis between species and subspecies of the house mouse. <i>Genome Research</i> , 2007 , 17, 42-9	9.7	56
82	The genome of the foraminiferan <i>Reticulomyxa filosa</i> . <i>Current Biology</i> , 2014 , 24, 11-18	6.3	54
81	Characterization of actin- and lipid-binding domains in severin, a Ca(2+)-dependent F-actin fragmenting protein. <i>Biochemistry</i> , 1992 , 31, 4779-87	3.2	52
80	Strumpellin is a novel valosin-containing protein binding partner linking hereditary spastic paraplegia to protein aggregation diseases. <i>Brain</i> , 2010 , 133, 2920-41	11.2	51

79	The Complex Repeats of Dictyostelium discoideum. <i>Genome Research</i> , 2001 , 11, 585-594	9.7	51
78	and as Cellular Models for Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018 , 8, 61	5.9	50
77	Autophagy in Dictyostelium: Mechanisms, regulation and disease in a simple biomedical model. <i>Autophagy</i> , 2017 , 13, 24-40	10.2	48
76	The nuclear envelope protein Nesprin-2 has roles in cell proliferation and differentiation during wound healing. <i>Nucleus</i> , 2012 , 3, 172-86	3.9	45
75	Structure of severin domain 2 in solution. <i>Journal of Molecular Biology</i> , 1995 , 247, 21-7	6.5	44
74	The Nucleo-cytoplasmic actin-binding protein CapG lacks a nuclear export sequence present in structurally related proteins. <i>Journal of Biological Chemistry</i> , 2003 , 278, 17945-52	5.4	41
73	Identification of a suppressor of the Dictyostelium profilin-minus phenotype as a CD36/LIMP-II homologue. <i>Journal of Cell Biology</i> , 1999 , 145, 167-81	7.3	41
72	Dictyostelium as model system for studies of the actin cytoskeleton by molecular genetics. <i>Microscopy Research and Technique</i> , 1999 , 47, 124-34	2.8	39
71	The complex repeats of Dictyostelium discoideum. <i>Genome Research</i> , 2001 , 11, 585-94	9.7	39
70	Cap100, a novel phosphatidylinositol 4,5-bisphosphate-regulated protein that caps actin filaments but does not nucleate actin assembly. <i>Cytoskeleton</i> , 1992 , 23, 133-44		35
69	The Dictyostelium genome encodes numerous RasGEFs with multiple biological roles. <i>Genome Biology</i> , 2005 , 6, R68	18.3	32
68	Manifestations of multicellularity: Dictyostelium reports in. <i>Trends in Genetics</i> , 2005 , 21, 392-8	8.5	32
67	Heteromeric p97/p97R155C complexes induce dominant negative changes in wild-type and autophagy 9-deficient Dictyostelium strains. <i>PLoS ONE</i> , 2012 , 7, e46879	3.7	31
66	Mapping the functional surface of domain 2 in the gelsolin superfamily. <i>Biochemistry</i> , 2000 , 39, 5322-31	3.2	29
65	Characterization and cloning of a Dictyostelium Ste20-like protein kinase that phosphorylates the actin-binding protein severin. <i>Journal of Biological Chemistry</i> , 1998 , 273, 12952-9	5.4	29
64	Inter-kingdom Signaling by the Legionella Quorum Sensing Molecule LAI-1 Modulates Cell Migration through an IQGAP1-Cdc42-ARHGEF9-Dependent Pathway. <i>PLoS Pathogens</i> , 2015 , 11, e1005307 ^{7.6}		27
63	Salmonella typhimurium is pathogenic for Dictyostelium cells and subverts the starvation response. <i>Cellular Microbiology</i> , 2011 , 13, 1793-811	3.9	27
62	Crawling into a new era-the Dictyostelium genome project. <i>EMBO Journal</i> , 2003 , 22, 1941-6	13	27

61	The phenotypes of ATG9, ATG16 and ATG9/16 knock-out mutants imply autophagy-dependent and -independent functions. <i>Open Biology</i> , 2015 , 5, 150008	7	26
60	Unusual combinatorial involvement of poly-A/T tracts in organizing genes and chromatin in <i>Dictyostelium</i> . <i>Genome Research</i> , 2012 , 22, 1098-106	9.7	26
59	STATc is a key regulator of the transcriptional response to hyperosmotic shock. <i>BMC Genomics</i> , 2007 , 8, 123	4.5	25
58	Comparative genomics of <i>Dictyostelium discoideum</i> and <i>Entamoeba histolytica</i> . <i>Current Opinion in Microbiology</i> , 2005 , 8, 606-11	7.9	25
57	Characterization of CD36/LIMPII homologues in <i>Dictyostelium discoideum</i> . <i>Journal of Biological Chemistry</i> , 2001 , 276, 38899-910	5.4	25
56	Structure/function studies on cytoskeletal proteins in <i>Dictyostelium amoebae</i> as a paradigm. <i>FEBS Letters</i> , 1995 , 369, 38-42	3.8	25
55	Loss of the novel Vcp (valosin containing protein) interactor Washc4 interferes with autophagy-mediated proteostasis in striated muscle and leads to myopathy in vivo. <i>Autophagy</i> , 2018 , 14, 1911-1927	10.2	24
54	Phosphorylation of CRN2 by CK2 regulates F-actin and Arp2/3 interaction and inhibits cell migration. <i>Scientific Reports</i> , 2012 , 2, 241	4.9	24
53	Non-LTR retrotransposons with unique integration preferences downstream of <i>Dictyostelium discoideum</i> tRNA genes. <i>Molecular Genetics and Genomics</i> , 1999 , 262, 772-80		23
52	VCP and PSMF1: Antagonistic regulators of proteasome activity. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 463, 1210-7	3.4	21
51	A Coronin7 homolog with functions in actin-driven processes. <i>Journal of Biological Chemistry</i> , 2010 , 285, 9249-61	5.4	21
50	A G protein-coupled receptor with a lipid kinase domain is involved in cell-density sensing. <i>Current Biology</i> , 2007 , 17, 892-7	6.3	21
49	The Role of ATG16 in Autophagy and The Ubiquitin Proteasome System. <i>Cells</i> , 2018 , 8,	7.9	21
48	In vivo characterization of human myofibrillar myopathy genes in zebrafish. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 461, 217-23	3.4	20
47	RpkA, a highly conserved GPCR with a lipid kinase domain, has a role in phagocytosis and anti-bacterial defense. <i>PLoS ONE</i> , 2011 , 6, e27311	3.7	20
46	A tripeptidyl peptidase 1 is a binding partner of the Golgi pH regulator (GPHR) in. <i>DMM Disease Models and Mechanisms</i> , 2017 , 10, 897-907	4.1	18
45	Redundant and unique roles of coronin proteins in <i>Dictyostelium</i> . <i>Cellular and Molecular Life Sciences</i> , 2011 , 68, 303-13	10.3	17
44	Filamin-regulated F-actin assembly is essential for morphogenesis and controls phototaxis in <i>Dictyostelium</i> . <i>Journal of Biological Chemistry</i> , 2007 , 282, 1948-55	5.4	17

43	How much mutant protein is needed to cause a protein aggregate myopathy in vivo? Lessons from an exceptional desminopathy. <i>Human Mutation</i> , 2009 , 30, E490-9	4.7	16
42	The two Dictyostelium autophagy eight proteins, ATG8a and ATG8b, associate with the autophagosome in succession. <i>European Journal of Cell Biology</i> , 2016 , 95, 15-25	6.1	15
41	ATG16 mediates the autophagic degradation of the 19S proteasomal subunits PSMD1 and PSMD2. <i>European Journal of Cell Biology</i> , 2018 , 97, 523-532	6.1	14
40	Revamp a model-status and prospects of the Dictyostelium genome project. <i>Current Genetics</i> , 2003 , 44, 59-72	2.9	13
39	The two Dictyostelium discoideum autophagy 8 proteins have distinct autophagic functions. <i>European Journal of Cell Biology</i> , 2017 , 96, 312-324	6.1	12
38	The carboxy-terminal domain of Dictyostelium C-module-binding factor is an independent gene regulatory entity. <i>PLoS ONE</i> , 2009 , 4, e5012	3.7	12
37	The coronin family of proteins. <i>Sub-Cellular Biochemistry</i> , 2008 , 48, 1-5	5.5	12
36	A GPCR involved in post aggregation events in Dictyostelium discoideum. <i>Developmental Biology</i> , 2007 , 312, 29-43	3.1	11
35	A set of genes conserved in sequence and expression traces back the establishment of multicellularity in social amoebae. <i>BMC Genomics</i> , 2016 , 17, 871	4.5	11
34	Mutant p97 exhibits species-specific changes of its ATPase activity and compromises the UBXD9-mediated monomerisation of p97 hexamers. <i>European Journal of Cell Biology</i> , 2016 , 95, 195-207	6.1	10
33	Coronin7 regulates WASP and SCAR through CRIB mediated interaction with Rac proteins. <i>Scientific Reports</i> , 2015 , 5, 14437	4.9	9
32	Coronin 2A (CRN5) expression is associated with colorectal adenoma-adenocarcinoma sequence and oncogenic signalling. <i>BMC Cancer</i> , 2015 , 15, 638	4.8	9
31	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, 201-12	6.1	8
30	Characterization of the Ste20-like kinase Krs1 of Dictyostelium discoideum. <i>European Journal of Cell Biology</i> , 2006 , 85, 1059-68	6.1	8
29	Detection of opportunistic infections by low-density microarrays: a diagnostic approach for granulomatous lymphadenitis. <i>Diagnostic Molecular Pathology</i> , 2007 , 16, 18-26		8
28	Functional Characterization of Ubiquitin-Like Core Autophagy Protein ATG12 in. <i>Cells</i> , 2019 , 8,	7.9	8
27	The Dictyostelium discoideum GPHR ortholog is an endoplasmic reticulum and Golgi protein with roles during development. <i>Eukaryotic Cell</i> , 2015 , 14, 41-54		7
26	Functional Characterisation of the Autophagy ATG12~5/16 Complex in. <i>Cells</i> , 2020 , 9,	7.9	7

25	A cytohesin homolog in Dictyostelium amoebae. <i>PLoS ONE</i> , 2010 , 5, e9378	3-7	7
24	Dictyostelium host response to legionella infection: strategies and assays. <i>Methods in Molecular Biology</i> , 2013 , 954, 417-38	1.4	7
23	Expression of N471D strumpellin leads to defects in the endolysosomal system. <i>DMM Disease Models and Mechanisms</i> , 2018 , 11,	4.1	6
22	The heterozygous R155C VCP mutation: Toxic in humans! Harmless in mice?. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 503, 2770-2777	3.4	6
21	Two Dictyostelium tyrosine kinase-like kinases function in parallel, stress-induced STAT activation pathways. <i>Molecular Biology of the Cell</i> , 2014 , 25, 3222-33	3.5	6
20	Dictyostelium discoideum and autophagy - a perfect pair. <i>International Journal of Developmental Biology</i> , 2019 , 63, 485-495	1.9	6
19	The function of the inner nuclear envelope protein SUN1 in mRNA export is regulated by phosphorylation. <i>Scientific Reports</i> , 2017 , 7, 9157	4.9	5
18	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, 127-40	4.2	5
17	Depletion of Nesprin-2 is associated with an embryonic lethal phenotype in mice. <i>Nucleus</i> , 2018 , 9, 503-515	3.5	5
16	CRN2 binds to TIMP4 and MMP14 and promotes perivascular invasion of glioblastoma cells. <i>European Journal of Cell Biology</i> , 2019 , 98, 151046	6.1	4
15	Analysis of gene expression using cDNA microarrays. <i>Methods in Molecular Biology</i> , 2006 , 346, 75-93	1.4	4
14	Dictyostelium Host Response to Legionella Infection: Strategies and Assays. <i>Methods in Molecular Biology</i> , 2019 , 1921, 347-370	1.4	3
13	Comparison of probe preparation methods for DNA microarrays. <i>BioTechniques</i> , 2002 , 33, 884, 886, 888	2.5	3
12	Identification of the protein kinases Pyk3 and Phg2 as regulators of the STATc-mediated response to hyperosmolarity. <i>PLoS ONE</i> , 2014 , 9, e90025	3.7	2
11	The C-Terminal SynMuv/DdDUF926 Domain Regulates the Function of the N-Terminal Domain of DdNKAP. <i>PLoS ONE</i> , 2016 , 11, e0168617	3.7	2
10	A convenient tool for bivariate data analysis and bar graph plotting with R. <i>Biochemistry and Molecular Biology Education</i> , 2019 , 47, 207-210	1.3	2
9	The regulatory subunit phr2AB of Dictyostelium discoideum phosphatase PP2A interacts with the centrosomal protein CEP161, a CDK5RAP2 ortholog. <i>Genes To Cells</i> , 2018 , 23, 923-931	2.3	1
8	Nesprin-2 Interacts with Condensin Component SMC2. <i>International Journal of Cell Biology</i> , 2017 , 2017, 8607532	2.6	1

- 7 DictyMOLD-a Dictyostelium discoideum genome browser database. *Bioinformatics*, **2005**, 21, 696-7 7.2 1
- 6 Analysis of organellar genomes in brown algae reveals an independent introduction of similar foreign sequences into the mitochondrial genome. *Genomics*, **2021**, 113, 646-654 4.3 1
- 5 RNA and quantitative proteomic analysis of Dictyostelium knock-out cells lacking the core autophagy proteins ATG9 and/or ATG16. *BMC Genomics*, **2021**, 22, 444 4.5 1
- 4 A 24-generation-old founder mutation impairs splicing of RBBP8 in Pakistani families affected with Jawad syndrome. *Clinical Genetics*, **2021**, 100, 486-488 4 1
- 3 Abundantly expressed class of noncoding RNAs conserved through the multicellular evolution of dictyostelid social amoebas. *Genome Research*, **2021**, 31, 436-447 9.7 1
- 2 Domain Organization of the UBX Domain Containing Protein 9 and Analysis of Its Interactions With the Homohexameric AAA + ATPase p97 (Valosin-Containing Protein). *Frontiers in Cell and Developmental Biology*, **2021**, 9, 748860 5.7 1
- 1 The Amoeba Dictyostelium discoideum Contributes to Legionella Infection 390-394