Adam Kuspa

List of Publications by Year
in descending order

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80 papers	6,115 citations	81900 39 h-index	74163 75 g-index
81 all docs	81 docs citations	81 times ranked	3945 citing authors

#	Article	IF	Citations
1	Loss of the Polyketide Synthase StlB Results in Stalk Cell Overproduction in Polysphondylium violaceum. Genome Biology and Evolution, 2020, 12, 674-683.	2.5	8
2	Social amoebae establish a protective interface with their bacterial associates by lectin agglutination. Science Advances, 2019, 5, eaav4367.	10.3	7
3	Cooperative predation in the social amoebae Dictyostelium discoideum. PLoS ONE, 2019, 14, e0209438.	2.5	5
4	Microbiome management in the social amoeba Dictyostelium discoideum compared to humans. International Journal of Developmental Biology, 2019, 63, 447-450.	0.6	14
5	(Auto)Biographical reflections on the contributions of William F. Loomis (1940-2016) to Dictyostelium biology. International Journal of Developmental Biology, 2019, 63, 343-357.	0.6	1
6	Allorecognition and Innate Immunity in the Dictyostelid Social Amoebae. , 2018, , 23-50.		0
7	Lectins modulate the microbiota of social amoebae. Science, 2018, 361, 402-406.	12.6	35
8	The polymorphic proteins TgrB1 and TgrC1 function as a ligand-receptor pair in Dictyostelium allorecognition. Journal of Cell Science, 2017, 130, 4002-4012.	2.0	22
9	Social amoebae trap and kill bacteria by casting DNA nets. Nature Communications, 2016, 7, 10938.	12.8	88
10	Gene Prioritization by Compressive Data Fusion and Chaining. PLoS Computational Biology, 2015, 11, e1004552.	3.2	22
11	Genomic Signatures of Cooperation and Conflict in the Social Amoeba. Current Biology, 2015, 25, 1661-1665.	3.9	51
12	The ABC transporter, AbcB3, mediates cAMP export in D. discoideum development. Developmental Biology, 2015, 397, 203-211.	2.0	21
13	Allorecognition, via TgrB1 and TgrC1, mediates the transition from unicellularity to multicellularity in the social amoebae Dictyostelium discoideum. Development (Cambridge), 2015, 142, 3561-70.	2.5	34
14	Naringenin inhibits the growth of <scp>D</scp>ictyostelium and <scp>MDCK</scp>â€derived cysts in a <scp>TRPP2</scp> (polycystinâ€2)â€dependent manner. British Journal of Pharmacology, 2014, 171, 2659-2670.	5.4	31
15	A new social gene in Dictyostelium discoideum, chtB. BMC Evolutionary Biology, 2013, 13, 4.	3.2	18
16	Kin Recognition Protects Cooperators against Cheaters. Current Biology, 2013, 23, 1590-1595.	3.9	49
17	Bacterial Discrimination by Dictyostelid Amoebae Reveals the Complexity of Ancient Interspecies Interactions. Current Biology, 2013, 23, 862-872.	3.9	69
18	A novel human receptor involved in bitter tastant detection identified using the model organism Dictyostelium discoideum. Journal of Cell Science, 2013, 126, 5465-76.	2.0	13

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19	ABC Transporters in Dictyostelium discoideum Development. PLoS ONE, 2013, 8, e70040.	2.5	14
20	Self-Recognition in Social Amoebae Is Mediated by Allelic Pairs of Tiger Genes. Science, 2011, 333, 467-470.	12.6	135
21	Comparative genomics of the social amoebae Dictyostelium discoideum and Dictyostelium purpureum. Genome Biology, 2011, 12, R20.	9.6	141
22	3C1322 Relation between collective cell migration and self-organization of chemoattractant waves(3C) Tj ETQq0 0 0 rgBT /Overlock 10 S114.	0.1	0
23	New components of the Dictyostelium PKA pathway revealed by Bayesian analysis of expression data. BMC Bioinformatics, 2010, 11, 163.	2.6	10
24	Unconventional Secretion of AcbA in Dictyostelium discoideum through a Vesicular Intermediate. Eukaryotic Cell, 2010, 9, 1009-1017.	3.4	50
25	Conserved developmental transcriptomes in evolutionarily divergent species. Genome Biology, 2010, 11, R35.	9.6	164
26	dictyExpress: a Dictyostelium discoideum gene expression database with an explorative data analysis web-based interface. BMC Bioinformatics, 2009, 10, 265.	2.6	63
27	Polymorphic Members of the lag Gene Family Mediate Kin Discrimination in Dictyostelium. Current Biology, 2009, 19, 567-572.	3.9	204
28	Cheater-resistance is not futile. Nature, 2009, 461, 980-982.	27.8	66
29	Transcriptional Down-Regulation and rRNA Cleavage in Dictyostelium discoideum Mitochondria during Legionella pneumophila Infection. PLoS ONE, 2009, 4, e5706.	2.5	12
30	Facultative cheater mutants reveal the genetic complexity of cooperation in social amoebae. Nature, 2008, 451, 1107-1110.	27.8	137
31	Global transcriptional responses to cisplatin in Dictyostelium discoideum identify potential drug targets. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15406-15411.	7.1	19
32	Developmental Commitment in Dictyostelium discoideum. Eukaryotic Cell, 2007, 6, 2038-2045.	3.4	34
33	High-throughput analysis of spatio-temporal dynamics in Dictyostelium. Genome Biology, 2007, 8, R144.	9.6	45
34	Immune-like Phagocyte Activity in the Social Amoeba. Science, 2007, 317, 678-681.	12.6	182
35	Discovery of Genetic Networks Through Abduction and Qualitative Simulation. Lecture Notes in Computer Science, 2007, , 228-247.	1.3	5
36	The Genome of Dictyostelium discoideum. , 2006, 346, 15-30.		20

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37	Restriction Enzyme-Mediated Integration (REMI) Mutagenesis. , 2006, 346, 201-210.		55
38	Genetic Evidence that the Acyl Coenzyme A Binding Protein AcbA and the Serine Protease/ABC Transporter TagA Function Together in Dictyostelium discoideum Cell Differentiation. Eukaryotic Cell, 2006, 5, 2024-2032.	3.4	12
39	Developmentally Regulated DNA Methylation in Dictyostelium discoideum. Eukaryotic Cell, 2006, 5, 18-25.	3.4	61
40	Epistasis analysis with global transcriptional phenotypes. Nature Genetics, 2005, 37, 471-477.	21.4	100
41	The genome of the social amoeba Dictyostelium discoideum. Nature, 2005, 435, 43-57.	27.8	1,179
42	Microarray phenotyping in Dictyostelium reveals a regulon of chemotaxis genes. Bioinformatics, 2005, 21, 4371-4377.	4.1	23
43	Comparing the Dictyostelium and Entamoeba Genomes Reveals an Ancient Split in the Conosa Lineage. PLoS Computational Biology, 2005, 1, e71.	3.2	39
44	Prespore Cell Fate Bias in G 1 Phase of the Cell Cycle in Dictyostelium discoideum. Eukaryotic Cell, 2005, 4, 1755-1764.	3.4	11
45	Periodic Signaling Controlled by an Oscillatory Circuit That Includes Protein Kinases ERK2 and PKA. Science, 2004, 304, 875-878.	12.6	155
46	Transcriptional Transitions during Dictyostelium Spore Germination. Eukaryotic Cell, 2004, 3, 1101-1110.	3.4	24
47	Tissue-specific G1-phase cell-cycle arrest prior to terminal differentiation in Dictyostelium. Development (Cambridge), 2004, 131, 2619-2630.	2.5	40
48	A novel partner for Dictyostelium filamin is an Î±-helical developmentally regulated protein. Journal of Cell Science, 2004, 117, 5013-5022.	2.0	16
49	GenePath: a system for inference of genetic networks and proposal of genetic experiments. Artificial Intelligence in Medicine, 2003, 29, 107-130.	6.5	21
50	TagA, a putative serine protease/ABC transporter of Dictyostelium that is required for cell fate determination at the onset of development. Development (Cambridge), 2003, 130, 2953-2965.	2.5	30
51	GenePath: a system for automated construction of genetic networks from mutant data. Bioinformatics, 2003, 19, 383-389.	4.1	54
52	Sequence and structure of the extrachromosomal palindrome encoding the ribosomal RNA genes in Dictyostelium. Nucleic Acids Research, 2003, 31, 2361-2368.	14.5	50
53	CulB, a Putative Ubiquitin Ligase Subunit, Regulates Prestalk Cell Differentiation and Morphogenesis in Dictyostelium spp. Eukaryotic Cell, 2002, 1, 126-136.	3.4	18
54	Role for YakA, cAMP, and Protein Kinase A in Regulation of Stress Responses ofDictyostelium discoideumCells. Molecular Biology of the Cell, 2002, 13, 2266-2275.	2.1	36

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55	Sequence and analysis of chromosome 2 of Dictyostelium discoideum. Nature, 2002, 418, 79-85.	27.8	176
56	A transcriptional profile of multicellular development inDictyostelium discoideum. Development (Cambridge), 2002, 129, 1543-1552.	2.5	109
57	A transcriptional profile of multicellular development in Dictyostelium discoideum. Development (Cambridge), 2002, 129, 1543-52.	2.5	56
58	The promise of a protist: the Dictyostelium genome project. Functional and Integrative Genomics, 2001, 1, 279-293.	3.5	19
59	Toward the Functional Analysis of the Dictyostelium discoideum Genome1. Journal of Eukaryotic Microbiology, 2000, 47, 334-339.	1.7	8
60	The Internal Phosphodiesterase RegA Is Essential for the Suppression of Lateral Pseudopods duringDictyosteliumChemotaxis. Molecular Biology of the Cell, 2000, 11, 2803-2820.	2.1	65
61	Evidence That a Cell-Type-Specific Efflux Pump Regulates Cell Differentiation in Dictyostelium. Developmental Biology, 2000, 220, 53-61.	2.0	48
62	Multiple Developmental Roles for CRAC, a Cytosolic Regulator of Adenylyl Cyclase. Developmental Biology, 1999, 208, 1-13.	2.0	17
63	Two-component signal transduction systems in eukaryotic microorganisms. Current Opinion in Microbiology, 1998, 1, 643-648.	5.1	63
64	Interaptin, an Actin-binding Protein of the Î±-Actinin Superfamily in Dictyostelium discoideum, Is Developmentally and cAMP-regulated and Associates with Intracellular Membrane Compartments. Journal of Cell Biology, 1998, 142, 735-750.	5.2	46
65	Dictyostelium Development in the Absence of cAMP. Science, 1997, 277, 251-254.	12.6	99
66	Cellâ€“Cell Adhesion Prevents Mutant Cells Lacking Myosin II from Penetrating Aggregation Streams ofDictyostelium. Developmental Biology, 1996, 175, 218-226.	2.0	27
67	Ordered yeast artificial chromosome clones representing the Dictyostelium discoideum genome.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 5562-5566.	7.1	47
68	Analysis of the Dictyostelium discoideum Genome. , 1996, , 293-318.		0
69	Analysis of gene function inDictyostelium. Experientia, 1995, 51, 1116-1123.	1.2	30
70	A MAP kinase necessary for receptor-mediated activation of adenylyl cyclase in Dictyostelium.. Journal of Cell Biology, 1995, 128, 405-413.	5.2	170
71	CRAC, a cytosolic protein containing a pleckstrin homology domain, is required for receptor and G protein-mediated activation of adenylyl cyclase in Dictyostelium.. Journal of Cell Biology, 1994, 126, 1537-1545.	5.2	163
72	Discovery of myosin genes by physical mapping in Dictyostelium.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 9446-9450.	7.1	45

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73	A physical map of the Myxococcus xanthus chromosome.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 9584-9587.	7.1	17
74	Tagging developmental genes in Dictyostelium by restriction enzyme-mediated integration of plasmid DNA.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 8803-8807.	7.1	487
75	Control of Cell Density and Pattern by Intercellular Signaling in Myxococcus Development. Annual Review of Microbiology, 1992, 46, 117-139.	7.3	79
76	Physical mapping of genes to specific chromosomes in Dictyostelium discoideum. Genomics, 1992, 13, 49-61.	2.9	44
77	Physical mapping of the Myxococcus xanthus genome by random cloning in yeast artificial chromosomes.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 8917-8921.	7.1	57
78	A global analysis of developmentally regulated genes in Myxococcus xanthus. Developmental Biology, 1986, 117, 252-266.	2.0	321
79	Intercellular signaling is required for developmental gene expression in Myxococcus xanthus. Developmental Biology, 1986, 117, 267-276.	2.0	167
80	Biochemical and genetic analysis of pre-stalk specific acid phosphatase in Dictyostelium. Developmental Biology, 1984, 102, 498-503.	2.0	42