

Gad Shaulsky

List of Publications by Year in descending order

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62
papers

4,941
citations

126907

33
h-index

123424

61
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64
all docs

64
docs citations

64
times ranked

6142
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination and Inference of Eukaryotic Transcription Factor Sequence Specificity. <i>Cell</i> , 2014, 158, 1431-1443.	28.9	1,515
2	Pleiotropy as a mechanism to stabilize cooperation. <i>Nature</i> , 2004, 431, 693-696.	27.8	253
3	A rapid and efficient method to generate multiple gene disruptions in <i>Dictyostelium discoideum</i> using a single selectable marker and the Cre-loxP system. <i>Nucleic Acids Research</i> , 2004, 32, e143-e143.	14.5	218
4	Polymorphic Members of the lag Gene Family Mediate Kin Discrimination in <i>Dictyostelium</i> . <i>Current Biology</i> , 2009, 19, 567-572.	3.9	204
5	Conserved developmental transcriptomes in evolutionarily divergent species. <i>Genome Biology</i> , 2010, 11, R35.	9.6	164
6	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
7	Facultative cheater mutants reveal the genetic complexity of cooperation in social amoebae. <i>Nature</i> , 2008, 451, 1107-1110.	27.8	137
8	Self-Recognition in Social Amoebae Is Mediated by Allelic Pairs of <i>Tiger</i> Genes. <i>Science</i> , 2011, 333, 467-470.	12.6	135
9	Microarray data mining with visual programming. <i>Bioinformatics</i> , 2005, 21, 396-398.	4.1	131
10	Kin Discrimination Increases with Genetic Distance in a Social Amoeba. <i>PLoS Biology</i> , 2008, 6, e287.	5.6	127
11	A transcriptional profile of multicellular development in <i>Dictyostelium discoideum</i> . <i>Development (Cambridge)</i> , 2002, 129, 1543-1552.	2.5	109
12	Epistasis analysis with global transcriptional phenotypes. <i>Nature Genetics</i> , 2005, 37, 471-477.	21.4	100
13	Terpene synthase genes in eukaryotes beyond plants and fungi: Occurrence in social amoebae. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12132-12137.	7.1	92
14	SDF-2 Induction of Terminal Differentiation in <i>Dictyostelium discoideum</i> Is Mediated by the Membrane-Spanning Sensor Kinase DhkA. <i>Molecular and Cellular Biology</i> , 1999, 19, 4750-4756.	2.3	81
15	Cell Type Regulation in Response to Expression of ricin A in <i>Dictyostelium</i> . <i>Developmental Biology</i> , 1993, 160, 85-98.	2.0	77
16	A bZIP/bRLZ transcription factor required for DIF signaling in <i>Dictyostelium</i> . <i>Development (Cambridge)</i> , 2004, 131, 513-523.	2.5	75
17	dictyBase—a <i>Dictyostelium</i> bioinformatics resource update. <i>Nucleic Acids Research</i> , 2009, 37, D515-D519.	14.5	71
18	Bacterial Discrimination by <i>Dictyostelid</i> Amoebae Reveals the Complexity of Ancient Interspecies Interactions. <i>Current Biology</i> , 2013, 23, 862-872.	3.9	69

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19	Cheater-resistance is not futile. <i>Nature</i> , 2009, 461, 980-982.	27.8	66
20	Nucleocytoplasmic Shuttling of a GATA Transcription Factor Functions as a Development Timer. <i>Science</i> , 2014, 343, 1249-531.	12.6	66
21	The Internal Phosphodiesterase RegA Is Essential for the Suppression of Lateral Pseudopods during <i>Dictyostelium</i> Chemotaxis. <i>Molecular Biology of the Cell</i> , 2000, 11, 2803-2820.	2.1	65
22	dictyExpress: a <i>Dictyostelium discoideum</i> gene expression database with an explorative data analysis web-based interface. <i>BMC Bioinformatics</i> , 2009, 10, 265.	2.6	63
23	Leaps and lulls in the developmental transcriptome of <i>Dictyostelium discoideum</i> . <i>BMC Genomics</i> , 2015, 16, 294.	2.8	61
24	The Cold War of the Social Amoebae. <i>Current Biology</i> , 2007, 17, R684-R692.	3.9	57
25	bZIP transcription factor interactions regulate DIF responses in <i>Dictyostelium</i> . <i>Development (Cambridge)</i> , 2006, 133, 449-458.	2.5	56
26	A transcriptional profile of multicellular development in <i>Dictyostelium discoideum</i> . <i>Development (Cambridge)</i> , 2002, 129, 1543-52.	2.5	56
27	Genomic Signatures of Cooperation and Conflict in the Social Amoeba. <i>Current Biology</i> , 2015, 25, 1661-1665.	3.9	51
28	Sequence and structure of the extrachromosomal palindrome encoding the ribosomal RNA genes in <i>Dictyostelium</i> . <i>Nucleic Acids Research</i> , 2003, 31, 2361-2368.	14.5	50
29	Kin Recognition Protects Cooperators against Cheaters. <i>Current Biology</i> , 2013, 23, 1590-1595.	3.9	49
30	An orderly retreat: Dedifferentiation is a regulated process. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 7005-7010.	7.1	46
31	Democratized image analytics by visual programming through integration of deep models and small-scale machine learning. <i>Nature Communications</i> , 2019, 10, 4551.	12.8	44
32	Tissue-specific G1-phase cell-cycle arrest prior to terminal differentiation in <i>Dictyostelium</i> . <i>Development (Cambridge)</i> , 2004, 131, 2619-2630.	2.5	40
33	A cell-adhesion pathway regulates intercellular communication during <i>Dictyostelium</i> development. <i>Developmental Biology</i> , 2003, 264, 506-521.	2.0	39
34	Allorecognition, via TgrB1 and TgrC1, mediates the transition from unicellularity to multicellularity in the social amoebae <i>Dictyostelium discoideum</i> . <i>Development (Cambridge)</i> , 2015, 142, 3561-70.	2.5	34
35	TagA, a putative serine protease/ABC transporter of <i>Dictyostelium</i> that is required for cell fate determination at the onset of development. <i>Development (Cambridge)</i> , 2003, 130, 2953-2965.	2.5	30
36	dictyExpress: a web-based platform for sequence data management and analytics in <i>Dictyostelium</i> and beyond. <i>BMC Bioinformatics</i> , 2017, 18, 291.	2.6	29

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37	Microarray phenotyping in Dictyostelium reveals a regulon of chemotaxis genes. <i>Bioinformatics</i> , 2005, 21, 4371-4377.	4.1	23
38	Gene discovery by chemical mutagenesis and whole-genome sequencing in <i>Dictyostelium</i> . <i>Genome Research</i> , 2016, 26, 1268-1276.	5.5	23
39	Gene Prioritization by Compressive Data Fusion and Chaining. <i>PLoS Computational Biology</i> , 2015, 11, e1004552.	3.2	22
40	The polymorphic proteins TgrB1 and TgrC1 function as a ligand-receptor pair in <i>Dictyostelium</i> allorecognition. <i>Journal of Cell Science</i> , 2017, 130, 4002-4012.	2.0	22
41	The ABC transporter, AbcB3, mediates cAMP export in <i>D. discoideum</i> development. <i>Developmental Biology</i> , 2015, 397, 203-211.	2.0	21
42	The GATA transcription factor GtaC regulates early developmental gene expression dynamics in <i>Dictyostelium</i> . <i>Nature Communications</i> , 2015, 6, 7551.	12.8	20
43	Curcumin affects gene expression and reactive oxygen species via a PKA dependent mechanism in <i>Dictyostelium discoideum</i> . <i>PLoS ONE</i> , 2017, 12, e0187562.	2.5	20
44	Developmental changes in transcriptional profiles. <i>Development Growth and Differentiation</i> , 2011, 53, 567-575.	1.5	19
45	BzpF is a CREB-like transcription factor that regulates spore maturation and stability in <i>Dictyostelium</i> . <i>Developmental Biology</i> , 2011, 358, 137-146.	2.0	19
46	Transcriptional Profiling of <i>Dictyostelium</i> with RNA Sequencing. <i>Methods in Molecular Biology</i> , 2013, 983, 139-171.	0.9	17
47	Temporal regulation of kin recognition maintains recognition-cue diversity and suppresses cheating. <i>Nature Communications</i> , 2015, 6, 7144.	12.8	16
48	A GoldenBraid cloning system for synthetic biology in social amoebae. <i>Nucleic Acids Research</i> , 2020, 48, 4139-4146.	14.5	13
49	Diversity and Functional Evolution of Terpene Synthases in Dictyostelid Social Amoebae. <i>Scientific Reports</i> , 2018, 8, 14361.	3.3	11
50	Transcriptional milestones in <i>Dictyostelium</i> development. <i>Genome Research</i> , 2021, 31, 1498-1511.	5.5	11
51	A terpene synthase-cytochrome P450 cluster in <i>Dictyostelium discoideum</i> produces a novel trisnorsesquiterpene. <i>ELife</i> , 2019, 8, .	6.0	11
52	TgrC1 Has Distinct Functions in <i>Dictyostelium</i> Development and Allorecognition. <i>PLoS ONE</i> , 2015, 10, e0124270.	2.5	10
53	Cellular allorecognition and its roles in <i>Dictyostelium</i> development and social evolution. <i>International Journal of Developmental Biology</i> , 2019, 63, 383-393.	0.6	10
54	Toward the Functional Analysis of the <i>Dictyostelium discoideum</i> Genome1. <i>Journal of Eukaryotic Microbiology</i> , 2000, 47, 334-339.	1.7	8

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55	Altered N-glycosylation modulates TgrB1/TgrC1-mediated development but not allorecognition in Dictyostelium. <i>Journal of Cell Science</i> , 2015, 128, 3990-6.	2.0	8
56	The Long Noncoding RNA Transcriptome of <i>Dictyostelium discoideum</i> Development. <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 387-398.	1.8	8
57	scOrangeâ€”a tool for hands-on training of concepts from single-cell data analytics. <i>Bioinformatics</i> , 2019, 35, i4-i12.	4.1	8
58	The GATA transcription factor gene <i>gtaG</i> is required for terminal differentiation in <i>Dictyostelium</i> . <i>Journal of Cell Science</i> , 2016, 129, 1722-1733.	2.0	6
59	Cooperative predation in the social amoebae <i>Dictyostelium discoideum</i> . <i>PLoS ONE</i> , 2019, 14, e0209438.	2.5	5
60	A deep coverage <i>Dictyostelium discoideum</i> genomic DNA library replicates stably in <i>Escherichia coli</i> . <i>Genomics</i> , 2015, 106, 249-255.	2.9	4
61	Cyclic AMP is dispensable for allorecognition in <i>Dictyostelium</i> cells overexpressing PKA-C. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	4
62	3C1322 Relation between collective cell migration and self-organization of chemoattractant waves(3C) Tj ETQq0 0 0 rgBT /Overlock 10 S114.	0.1	0