

Marla B Sokolowski

List of Publications by Year in descending order

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99
papers

6,647
citations

71004

43
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78623

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all docs

100
docs citations

100
times ranked

5082
citing authors

#	ARTICLE	IF	CITATIONS
1	How Social Experience and Environment Impacts Behavioural Plasticity in <i>Drosophila</i> . <i>Fly</i> , 2022, 16, 68-84.	0.9	11
2	Tracking dispersal across a patchy landscape reveals a dynamic interaction between genotype and habitat structure. <i>Oikos</i> , 2021, 130, 79-94.	1.2	7
3	<i>Drosophila</i> as a useful model for understanding the evolutionary physiology of obesity resistance and metabolic thrift. <i>Fly</i> , 2021, 15, 47-59.	0.9	3
4	OUP accepted manuscript. <i>Nucleic Acids Research</i> , 2021, 49, 9097-9116.	6.5	19
5	The <i>Drosophila foraging</i> gene plays a vital role at the start of metamorphosis for subsequent adult emergence. <i>Journal of Neurogenetics</i> , 2021, 35, 179-191.	0.6	4
6	A cGMP-dependent protein kinase, encoded by the <i>Drosophila foraging</i> gene, regulates neurotransmission through changes in synaptic structure and function. <i>Journal of Neurogenetics</i> , 2021, 35, 213-220.	0.6	7
7	The <i>Drosophila melanogaster foraging</i> gene affects social networks. <i>Journal of Neurogenetics</i> , 2021, 35, 249-261.	0.6	11
8	Expression of the <i>foraging</i> gene in adult <i>Drosophila melanogaster</i> . <i>Journal of Neurogenetics</i> , 2021, 35, 192-212.	0.6	7
9	<i>Drosophila melanogaster foraging</i> regulates a nociceptive-like escape behavior through a developmentally plastic sensory circuit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23286-23291.	3.3	42
10	Biological embedding of experience: A primer on epigenetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23261-23269.	3.3	148
11	Functional testing of ASD-associated genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26-28.	3.3	17
12	Honey bee colony aggression and indirect genetic effects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18148-18150.	3.3	2
13	Behavior-related gene regulatory networks: A new level of organization in the brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23270-23279.	3.3	52
14	Genes and environments, development and time. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23235-23241.	3.3	80
15	Reply to Lyon et al.: Self-regulation and the foraging gene: From flies to humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15768-15769.	3.3	0
16	The <i>foraging</i> Gene and Its Behavioral Effects: Pleiotropy and Plasticity. <i>Annual Review of Genetics</i> , 2019, 53, 373-392.	3.2	49
17	Distinct functions of a cGMP-dependent protein kinase in nerve terminal growth and synaptic vesicle cycling. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	15
18	A Neuroethics Backbone for the Evolving Canadian Brain Research Strategy. <i>Neuron</i> , 2019, 101, 370-374.	3.8	15

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19	Intergenerational Transmission of Child Abuse and Neglect: A Transdisciplinary Analysis. , 2019, 3, 247028971982610.	0.8	17
20	Self-regulation and the <i>foraging</i> gene (<i>PRKG1</i>) in humans. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4434-4439.	3.3	29
21	Gene-Environment Interplay and Individual Differences in Behavior. Mind, Brain, and Education, 2018, 12, 200-211.	0.9	26
22	Fetal growth interacts with multilocus genetic score reflecting dopamine signaling capacity to predict spontaneous sugar intake in children. Appetite, 2018, 120, 596-601.	1.8	23
23	The adult foraging assay (AFA) detects strain and food-deprivation effects in feeding-related traits of <i>Drosophila melanogaster</i> . Journal of Insect Physiology, 2018, 106, 20-29.	0.9	30
24	A reductionist approach to understanding the nervous system: the Harold Atwood legacy. Journal of Neurogenetics, 2018, 32, 127-130.	0.6	0
25	Pleiotropy of the <i>Drosophila melanogaster foraging</i> gene on larval feeding-related traits. Journal of Neurogenetics, 2018, 32, 256-266.	0.6	19
26	A look inside the Atwood lab. Journal of Neurogenetics, 2018, 32, 279-293.	0.6	1
27	Deciphering pleiotropy: How complex genes regulate behavior. Communicative and Integrative Biology, 2018, 11, 1-4.	0.6	15
28	Both maternal care received and genotype influence stress-related phenotype in female rats. Developmental Psychobiology, 2018, 60, 889-902.	0.9	7
29	Feeding-Related Traits Are Affected by Dosage of the <i>foraging</i> Gene in <i>Drosophila melanogaster</i> . Genetics, 2017, 205, 761-773.	1.2	51
30	Aggressive behaviours, food deprivation and the <i>foraging</i> gene. Royal Society Open Science, 2017, 4, 170042.	1.1	21
31	The <i>Drosophila foraging</i> gene human orthologue PRKG1 predicts individual differences in the effects of early adversity on maternal sensitivity. Cognitive Development, 2017, 42, 62-73.	0.7	15
32	Epigenetic mechanisms modulate differences in <i>Drosophila</i> foraging behavior. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12518-12523.	3.3	70
33	An ant-plant mutualism through the lens of cGMP-dependent kinase genes. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170896.	1.2	10
34	A <i>DRD4</i> gene by maternal sensitivity interaction predicts risk for overweight or obesity in two independent cohorts of preschool children. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2017, 58, 180-188.	3.1	14
35	Foraging Path-length Protocol for <i>Drosophila melanogaster</i> Larvae. Journal of Visualized Experiments, 2016, , .	0.2	12
36	Natural variability in <i>Drosophila</i> larval and pupal NaCl tolerance. Journal of Insect Physiology, 2016, 88, 15-23.	0.9	2

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37	Genetic Differential Susceptibility to Socioeconomic Status and Childhood Obesogenic Behavior. <i>JAMA Pediatrics</i> , 2016, 170, 359.	3.3	76
38	Effects of Genotype and Sleep on Temperament. <i>Pediatrics</i> , 2015, 136, e914-e921.	1.0	20
39	Prepupal Building Behavior in <i>Drosophila melanogaster</i> and Its Evolution under Resource and Time Constraints. <i>PLoS ONE</i> , 2015, 10, e0117280.	1.1	13
40	Association between the seven-repeat allele of the dopamine-4 receptor gene (DRD4) and spontaneous food intake in pre-school children. <i>Appetite</i> , 2014, 73, 15-22.	1.8	30
41	Gene-environment interplay in <i>Drosophila melanogaster</i> : Chronic nutritional deprivation in larval life affects adult fecal output. <i>Journal of Insect Physiology</i> , 2014, 69, 95-100.	0.9	15
42	Na ⁺ -K ⁺ -ATPase trafficking induced by heat shock pretreatment correlates with increased resistance to anoxia in locusts. <i>Journal of Neurophysiology</i> , 2014, 112, 814-823.	0.9	27
43	The Maternal Adversity, Vulnerability and Neurodevelopment Project: Theory and Methodology. <i>Canadian Journal of Psychiatry</i> , 2014, 59, 497-508.	0.9	76
44	Social Environment Influences Performance in a Cognitive Task in Natural Variants of the Foraging Gene. <i>PLoS ONE</i> , 2013, 8, e81272.	1.1	36
45	<i>foraging</i> alters resilience/vulnerability to sleep disruption and starvation in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2613-2618.	3.3	86
46	Toward a new biology of social adversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17143-17148.	3.3	101
47	Gene-environment interplay in <i>Drosophila melanogaster</i> : Chronic food deprivation in early life affects adult exploratory and fitness traits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17239-17244.	3.3	61
48	The visual orientation memory of <i>Drosophila</i> requires Foraging (PKG) upstream of Ignorant (RSK2) in ring neurons of the central complex. <i>Learning and Memory</i> , 2012, 19, 337-340.	0.5	63
49	A Genetic Screen for Olfactory Habituation Mutations in <i>Drosophila</i> : Analysis of Novel Foraging Alleles and an Underlying Neural Circuit. <i>PLoS ONE</i> , 2012, 7, e51684.	1.1	26
50	A natural genetic polymorphism affects retroactive interference in <i>Drosophila melanogaster</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 91-98.	1.2	33
51	Conservation of gene function in behaviour. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 2100-2110.	1.8	52
52	Controlling anoxic tolerance in adult <i>Drosophila</i> via the cGMP-PKG pathway. <i>Journal of Experimental Biology</i> , 2010, 213, 2410-2416.	0.8	49
53	Social Interactions in Simple Model Systems. <i>Neuron</i> , 2010, 65, 780-794.	3.8	160
54	The <i>Drosophila</i> foraging Gene Mediates Adult Plasticity and Gene-Environment Interactions in Behaviour, Metabolites, and Gene Expression in Response to Food Deprivation. <i>PLoS Genetics</i> , 2009, 5, e1000609.	1.5	89

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55	Molecular basis for changes in behavioral state in ant social behaviors. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6351-6356.	3.3	105
56	cGMP-Dependent Protein Kinase as a Modifier of Behaviour. Handbook of Experimental Pharmacology, 2009, , 423-443.	0.9	52
57	Behavioural Genetics: Worms Seek That Old Beetle Smell. Current Biology, 2008, 18, R480-R482.	1.8	1
58	Natural variation in plasticity of glucose homeostasis and food intake. Journal of Experimental Biology, 2008, 211, 3160-3166.	0.8	49
59	Natural polymorphism affecting learning and memory in <i>Drosophila</i> . Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13051-13055.	3.3	184
60	Natural variation in <i>Drosophila</i> larval reward learning and memory due to a cGMP-dependent protein kinase. Learning and Memory, 2007, 14, 342-349.	0.5	71
61	Natural variation in food acquisition mediated via a <i>Drosophila</i> cGMP-dependent protein kinase. Journal of Experimental Biology, 2007, 210, 3547-3558.	0.8	113
62	The <i>foraging</i> gene of <i>Drosophila melanogaster</i> : Spatial expression analysis and sucrose responsiveness. Journal of Comparative Neurology, 2007, 504, 570-582.	0.9	55
63	Maintaining a behaviour polymorphism by frequency-dependent selection on a single gene. Nature, 2007, 447, 210-212.	13.7	185
64	Natural Variation in the Thermotolerance of Neural Function and Behavior due to a cGMP-Dependent Protein Kinase. PLoS ONE, 2007, 2, e773.	1.1	54
65	The nature of <i>Drosophila melanogaster</i> . Current Biology, 2006, 16, R623-R628.	1.8	63
66	Candidate genes for behavioural ecology. Trends in Ecology and Evolution, 2005, 20, 96-104.	4.2	214
67	Activity of cGMP-Dependent Protein Kinase (PKG) Affects Sucrose Responsiveness and Habituation in <i>Drosophila melanogaster</i> . Learning and Memory, 2004, 11, 303-311.	0.5	87
68	In Search of Food: Exploring the Evolutionary Link Between cGMP-Dependent Protein Kinase (PKG) and Behaviour. Integrative and Comparative Biology, 2004, 44, 28-36.	0.9	53
69	Refining GAL4-driven transgene expression in <i>Drosophila</i> with a GAL80 enhancer-trap. Genesis, 2004, 39, 240-245.	0.8	116
70	NPY and the Regulation of Behavioral Development. Neuron, 2003, 39, 6-8.	3.8	23
71	cGMP-dependent changes in phototaxis: a possible role for the foraging gene in honey bee division of labor. Journal of Experimental Biology, 2003, 206, 2507-2515.	0.8	157
72	Influence of Gene Action Across Different Time Scales on Behavior. Science, 2002, 296, 741-744.	6.0	454

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73	Drosophila: Genetics meets behaviour. <i>Nature Reviews Genetics</i> , 2001, 2, 879-890.	7.7	394
74	Gene-Environment Interaction and Complex Behavior. , 2001, , 3-28.		12
75	A cGMP-Dependent Protein Kinase Gene, foraging, Modifies Habituation-Like Response Decrement of the Giant Fiber Escape Circuit in <i>Drosophila</i> . <i>Learning and Memory</i> , 2000, 7, 341-352.	0.5	46
76	Abnormal Turning Behavior in <i>Drosophila</i> Larvae: Identification and Molecular Analysis of scribbler (sbb). <i>Genetics</i> , 2000, 155, 1161-1174.	1.2	41
77	Neuronal Polymorphism among Natural Alleles of a cGMP-Dependent Kinase Gene,foraging, in <i>Drosophila</i> . <i>Journal of Neuroscience</i> , 1999, 19, RC28-RC28.	1.7	64
78	Chapter 3.3.2 Behavior-genetic and molecular analysis of naturally occurring variation in <i>Drosophila</i> larval foraging behavior. <i>Handbook of Behavioral Neuroscience</i> , 1999, , 496-511.	0.0	4
79	Evolution of foraging behavior in <i>Drosophila</i> by density-dependent selection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 7373-7377.	3.3	208
80	PHENOTYPIC PLASTICITY IN THE LIFE HISTORY TRAITS OF GUPPIES: RESPONSES TO SOCIAL ENVIRONMENT. <i>Ecology</i> , 1997, 78, 419-433.	1.5	59
81	Natural Behavior Polymorphism Due to a cGMP-Dependent Protein Kinase of <i>Drosophila</i> . <i>Science</i> , 1997, 277, 834-836.	6.0	526
82	Natural selection in the laboratory for a change in resistance by <i>Drosophila melanogaster</i> to the parasitoid wasp <i>Asobara tabida</i> . <i>Journal of Insect Behavior</i> , 1996, 9, 477-491.	0.4	25
83	Larval Behavior of <i>Drosophila</i> Central Complex Mutants: Interactions Between No Bridge, Foraging, and Chaser. <i>Journal of Neurogenetics</i> , 1996, 11, 99-115.	0.6	32
84	Characterization and Genetic Analysis of<i>Drosophila Melanogaster</i>Photobehavior During Larval Development. <i>Journal of Neurogenetics</i> , 1995, 10, 119-135.	0.6	93
85	Responses of a generalist and a specialist parasitoid (Hymenoptera: Eucoilidae) to <i>Drosophilid</i> larval kairomones. <i>Journal of Insect Behavior</i> , 1993, 6, 615-624.	0.4	43
86	Diapause in <i>Drosophila melanogaster</i> females: a genetic analysis. <i>Heredity</i> , 1993, 71, 312-317.	1.2	65
87	Genetic analysis of the <i>foraging</i> microregion of <i>Drosophila melanogaster</i>. <i>Genome</i> , 1993, 36, 94-101.	0.9	60
88	Mutations in the larval foraging gene affect adult locomotory behavior after feeding in <i>Drosophila melanogaster</i> .. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 5044-5046.	3.3	163
89	The foraging locus: behavioral tests for normal muscle movement in rover and sitter <i>Drosophila melanogaster</i> larvae. <i>Genetica</i> , 1992, 85, 205-209.	0.5	25
90	Habitat selection by <i>Drosophila melanogaster</i> larvae. <i>Journal of Evolutionary Biology</i> , 1992, 5, 61-70.	0.8	35

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91	Microgeographic variation in aDrosophila melanogaster larval behavior. Journal of Insect Behavior, 1989, 2, 829-834.	0.4	8
92	Genetic analyses of pupation distance in Drosophila melanogaster. Heredity, 1989, 62, 177-183.	1.2	29
93	Genetic localization of foraging (for): a major gene for larval behavior in Drosophila melanogaster.. Genetics, 1989, 123, 157-163.	1.2	175
94	Heredity of rover/sitter: Alternative foraging strategies of Drosophila melanogaster larvae. Heredity, 1987, 59, 73-83.	1.2	181
95	Genetic aspects to differences in foraging behavior. Behavioral and Brain Sciences, 1985, 8, 348-349.	0.4	5
96	Drosophila larval foraging behaviour: Developmental stages. Animal Behaviour, 1984, 32, 645-651.	0.8	83
97	Larval foraging behavior in isofemale lines of Drosophila melanogaster and D. pseudoobscura. Journal of Heredity, 1984, 75, 131-134.	1.0	54
98	Foraging strategies ofDrosophila melanogaster: A chromosomal analysis. Behavior Genetics, 1980, 10, 291-302.	1.4	304
99	Natureâ€™nuture interactions. , 0, , 11-25.		13