

Björn Brembs

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

4,405
citations

218677

26
h-index

223800

46
g-index

68
all docs

68
docs citations

68
times ranked

6199
citing authors

#	ARTICLE	IF	CITATIONS
1	Redefine statistical significance. <i>Nature Human Behaviour</i> , 2018, 2, 6-10.	12.0	1,763
2	Operant Reward Learning in <i>Aplysia</i> : Neuronal Correlates and Mechanisms. <i>Science</i> , 2002, 296, 1706-1709.	12.6	280
3	Deep impact: unintended consequences of journal rank. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 291.	2.0	253
4	Order in Spontaneous Behavior. <i>PLoS ONE</i> , 2007, 2, e443.	2.5	184
5	Flight Initiation and Maintenance Deficits in Flies with Genetically Altered Biogenic Amine Levels. <i>Journal of Neuroscience</i> , 2007, 27, 11122-11131.	3.6	140
6	Towards a scientific concept of free will as a biological trait: spontaneous actions and decision-making in invertebrates. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 930-939.	2.6	134
7	Unique transposon landscapes are pervasive across <i>Drosophila melanogaster</i> genomes. <i>Nucleic Acids Research</i> , 2015, 43, 10655-10672.	14.5	114
8	The Operant and the Classical in Conditioned Orientation of <i>Drosophila melanogaster</i> at the Flight Simulator. <i>Learning and Memory</i> , 2000, 7, 104-115.	1.3	102
9	Flexibility in a Single Behavioral Variable of <i>Drosophila</i> . <i>Learning and Memory</i> , 2001, 8, 1-10.	1.3	95
10	Operant conditioning in invertebrates. <i>Current Opinion in Neurobiology</i> , 2003, 13, 710-717.	4.2	89
11	Chaos, Cheating and Cooperation: Potential Solutions to the Prisoner's Dilemma. <i>Oikos</i> , 1996, 76, 14.	2.7	88
12	IgY Technology: Extraction of Chicken Antibodies from Egg Yolk by Polyethylene Glycol (PEG) Precipitation. <i>Journal of Visualized Experiments</i> , 2011, , .	0.3	88
13	Prestigious Science Journals Struggle to Reach Even Average Reliability. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 37.	2.0	78
14	Open Source Tracking and Analysis of Adult <i>Drosophila</i> Locomotion in Buridan's Paradigm with and without Visual Targets. <i>PLoS ONE</i> , 2012, 7, e42247.	2.5	77
15	Mushroom Bodies Regulate Habit Formation in <i>Drosophila</i> . <i>Current Biology</i> , 2009, 19, 1351-1355.	3.9	71
16	Double Dissociation of PKC and AC Manipulations on Operant and Classical Learning in <i>Drosophila</i> . <i>Current Biology</i> , 2008, 18, 1168-1171.	3.9	62
17	A decision underlies phototaxis in an insect. <i>Open Biology</i> , 2016, 6, 160229.	3.6	60
18	Context and occasion setting in <i>Drosophila</i> visual learning. <i>Learning and Memory</i> , 2006, 13, 618-628.	1.3	54

#	ARTICLE	IF	CITATIONS
19	Attention-Like Deficit and Hyperactivity in a <i>Drosophila</i> Memory Mutant. <i>Journal of Neuroscience</i> , 2010, 30, 1003-1014.	3.6	52
20	Discriminating External and Internal Causes for Heading Changes in Freely Flying <i>Drosophila</i> . <i>PLoS Computational Biology</i> , 2013, 9, e1002891.	3.2	52
21	The <i>Drosophila</i> black enigma: The molecular and behavioural characterization of the black1 mutant allele. <i>Gene</i> , 2005, 351, 131-142.	2.2	46
22	Spontaneous decisions and operant conditioning in fruit flies. <i>Behavioural Processes</i> , 2011, 87, 157-164.	1.1	37
23	Flexibility in a Single Behavioral Variable of <i>Drosophila</i> . <i>Learning and Memory</i> , 2001, 8, 1-10.	1.3	37
24	<i>Drosophila</i> FoxP Mutants Are Deficient in Operant Self-Learning. <i>PLoS ONE</i> , 2014, 9, e100648.	2.5	36
25	Sub-strains of <i>Drosophila</i> Canton-S differ markedly in their locomotor behavior. <i>F1000Research</i> , 2014, 3, 176.	1.6	36
26	Sub-strains of <i>Drosophila</i> Canton-S differ markedly in their locomotor behavior. <i>F1000Research</i> , 2014, 3, 176.	1.6	33
27	Extending In Vitro Conditioning in <i>Aplysia</i> to Analyze Operant and Classical Processes in the Same Preparation. <i>Learning and Memory</i> , 2004, 11, 412-420.	1.3	31
28	The Importance of Being Active. <i>Journal of Neurogenetics</i> , 2009, 23, 120-126.	1.4	25
29	Reliable novelty: New should not trump true. <i>PLoS Biology</i> , 2019, 17, e3000117.	5.6	25
30	The biology of psychology. <i>Communicative and Integrative Biology</i> , 2010, 3, 142-145.	1.4	23
31	MARGO (Massively Automated Real-time GUI for Object-tracking), a platform for high-throughput ethology. <i>PLoS ONE</i> , 2019, 14, e0224243.	2.5	23
32	Different parameters support generalization and discrimination learning in <i>Drosophila</i> at the flight simulator. <i>Learning and Memory</i> , 2006, 13, 629-637.	1.3	22
33	Current market rates for scholarly publishing services. <i>F1000Research</i> , 2021, 10, 20.	1.6	21
34	Operant Learning of <i>Drosophila</i> at the Torque Meter. <i>Journal of Visualized Experiments</i> , 2008, , .	0.3	20
35	Octopamine and Tyramine Contribute Separately to the Counter-Regulatory Response to Sugar Deficit in <i>Drosophila</i> . <i>Frontiers in Systems Neuroscience</i> , 2017, 11, 100.	2.5	19
36	Current market rates for scholarly publishing services. <i>F1000Research</i> , 2021, 10, 20.	1.6	14

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37	PKC in motoneurons underlies self-learning, a form of motor learning in <i>Drosophila</i> . PeerJ, 2016, 4, e1971.	2.0	14
38	Operant Reward Learning in <i>Aplysia</i> . Current Directions in Psychological Science, 2003, 12, 218-221.	5.3	11
39	Invertebrate behavior – actions or responses?. Frontiers in Neuroscience, 2013, 7, 221.	2.8	11
40	The brain as a dynamically active organ. Biochemical and Biophysical Research Communications, 2021, 564, 55-69.	2.1	9
41	Identification of <i>FoxP</i> circuits involved in locomotion and object fixation in <i>Drosophila</i> . Open Biology, 2020, 10, 200295.	3.6	5
42	Collective action or individual choice: Spontaneity and individuality contribute to decision-making in <i>Drosophila</i> . PLoS ONE, 2021, 16, e0256560.	2.5	3
43	Prior residence, territory quality and life-history strategies in juvenile Atlantic salmon (<i>Salmo salar</i>) Tj ETQq1 1 0.784314 rgBT ₃ Overlock	1.6	3
44	Sensitivity to expression levels underlies differential dominance of a putative null allele of the <i>Drosophila</i> <i>tÅh</i> gene in behavioral phenotypes. PLoS Biology, 2021, 19, e3001228.	5.6	2
45	Open Science als eine Lösung der Infrastrukturkrise in der Wissenschaft Und Praxis, 2015, 66, .	0.1	1
46	Decision-making in invertebrates. Frontiers Research Topics, 0, , .	0.2	0