

Robert J Gegear

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

2,779
citations

331670

21
h-index

395702

33
g-index

41
all docs

41
docs citations

41
times ranked

2553
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling scale up of anthropogenic impacts from individual pollinator behavior to pollination systems. <i>Conservation Biology</i> , 2021, 35, 1519-1529.	4.7	8
2	Exploring the Role of Cognition in the Annual Fall Migration of the Monarch Butterfly (<i>Danaus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	2.2	2
3	Distinct neuropeptide-receptor modules regulate a sex-specific behavioral response to a pheromone. <i>Communications Biology</i> , 2021, 4, 1018.	4.4	10
4	Bumblebee-Inspired C-V2X Dynamic Spectrum Access Testbed Using OpenAirInterface. , 2020, , .		4
5	Scented nectar and the challenge of measuring honest signals in pollination. <i>Journal of Ecology</i> , 2020, 108, 2132-2144.	4.0	20
6	Immune-cognitive system connectivity reduces bumblebee foraging success in complex multisensory floral environments. <i>Scientific Reports</i> , 2018, 8, 5953.	3.3	8
7	Experimental Test-Bed for Bumblebee-Inspired Channel Selection in an Ad-Hoc Network. , 2018, , .		3
8	One size does not fit all: Caste and sex differences in the response of bumblebees (<i>Bombus impatiens</i>) to chronic oral neonicotinoid exposure. <i>PLoS ONE</i> , 2018, 13, e0200041.	2.5	14
9	Adaptive Foraging of Pollinators Can Promote Pollination of a Rare Plant Species. <i>American Naturalist</i> , 2018, 192, E81-E92.	2.1	16
10	On the Capacity Bounds for Bumblebee-Inspired Connected Vehicle Networks via Queuing Theory. , 2018, , .		7
11	Memory Matters: Bumblebee Behavioral Models for Vehicle-to-Vehicle Communications. <i>IEEE Access</i> , 2018, 6, 25437-25447.	4.2	8
12	“Hummingbird” floral traits interact synergistically to discourage visitation by bumble bee foragers. <i>Ecology</i> , 2017, 98, 489-499.	3.2	35
13	A magnetic compass aids monarch butterfly migration. <i>Nature Communications</i> , 2014, 5, 4164.	12.8	122
14	Discordant timing between antennae disrupts sun compass orientation in migratory monarch butterflies. <i>Nature Communications</i> , 2012, 3, 958.	12.8	52
15	Human cryptochrome exhibits light-dependent magnetosensitivity. <i>Nature Communications</i> , 2011, 2, 356.	12.8	176
16	Animal cryptochromes mediate magnetoreception by an unconventional photochemical mechanism. <i>Nature</i> , 2010, 463, 804-807.	27.8	233
17	Navigational mechanisms of migrating monarch butterflies. <i>Trends in Neurosciences</i> , 2010, 33, 399-406.	8.6	167
18	Bumblebees Learn to Forage like Bayesians. <i>American Naturalist</i> , 2009, 174, 413-423.	2.1	86

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19	Defining behavioral and molecular differences between summer and migratory monarch butterflies. <i>BMC Biology</i> , 2009, 7, 14.	3.8	102
20	Antennal Circadian Clocks Coordinate Sun Compass Orientation in Migratory Monarch Butterflies. <i>Science</i> , 2009, 325, 1700-1704.	12.6	154
21	Bumblebees Learn to Forage like Bayesians. <i>American Naturalist</i> , 2009, 174, 413.	2.1	8
22	Cryptochrome mediates light-dependent magnetosensitivity in <i>Drosophila</i> . <i>Nature</i> , 2008, 454, 1014-1018.	27.8	366
23	Habitat assessment ability of bumble-bees implies frequency-dependent selection on floral rewards and display size. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 2595-2601.	2.6	23
24	The Birds, the Bees, and the Virtual Flowers: Can Pollinator Behavior Drive Ecological Speciation in Flowering Plants?. <i>American Naturalist</i> , 2007, 170, 551-566.	2.1	47
25	Ecological context influences pollinator deterrence by alkaloids in floral nectar. <i>Ecology Letters</i> , 2007, 10, 375-382.	6.4	93
26	The Birds, the Bees, and the Virtual Flowers: Can Pollinator Behavior Drive Ecological Speciation in Flowering Plants?. <i>American Naturalist</i> , 2007, 170, 551.	2.1	0
27	Plight of the bumble bee: Pathogen spillover from commercial to wild populations. <i>Biological Conservation</i> , 2006, 129, 461-467.	4.1	285
28	Bumble-bee foragers infected by a gut parasite have an impaired ability to utilize floral information. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 1073-1078.	2.6	167
29	Flower constancy in bumblebees: a test of the trait variability hypothesis. <i>Animal Behaviour</i> , 2005, 69, 939-949.	1.9	115
30	Does parasitic infection impair the ability of bumblebees to learn flower-handling techniques?. <i>Animal Behaviour</i> , 2005, 70, 209-215.	1.9	87
31	Effects of parasitic mites and protozoa on the flower constancy and foraging rate of bumble bees. <i>Behavioral Ecology and Sociobiology</i> , 2005, 58, 383-389.	1.4	85
32	Multicomponent floral signals elicit selective foraging in bumblebees. <i>Die Naturwissenschaften</i> , 2005, 92, 269-271.	1.6	40
33	Does the Flower Constancy of Bumble Bees Reflect Foraging Economics?. <i>Ethology</i> , 2004, 110, 793-805.	1.1	60
34	Effect of a colour dimorphism on the flower constancy of honey bees and bumble bees. <i>Canadian Journal of Zoology</i> , 2004, 82, 587-593.	1.0	21
35	Effect of greenhouse polyethelene covering on activity level and photo-response of bumble bees. <i>Canadian Entomologist</i> , 2002, 134, 539-549.	0.8	14
36	The effect of variation among floral traits on the flower constancy of pollinators. , 2001, , 1-20.		45

#	ARTICLE	IF	CITATIONS
37	How many flower types can bumble bees work at the same time?. Canadian Journal of Zoology, 1998, 76, 1358-1365.	1.0	46
38	Effect of flower complexity on relearning flower-handling skills in bumble bees. Canadian Journal of Zoology, 1995, 73, 2052-2058.	1.0	47
39	Choosing your own adventure: Engaging the new learning society through integrative curriculum design. , 0, , .		0