

David Baracchi

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

1,105
citations

394390

19
h-index

454934

30
g-index

58
all docs

58
docs citations

58
times ranked

1015
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for antiseptic behaviour towards sick adult bees in honey bee colonies. <i>Journal of Insect Physiology</i> , 2012, 58, 1589-1596.	2.0	107
2	Beyond the antipredatory defence: Honey bee venom function as a component of social immunity. <i>Toxicon</i> , 2011, 58, 550-557.	1.6	74
3	Behavioural evidence for self-medication in bumblebees?. <i>F1000Research</i> , 2015, 4, 73.	1.6	62
4	Nicotine in floral nectar pharmacologically influences bumblebee learning of floral features. <i>Scientific Reports</i> , 2017, 7, 1951.	3.3	51
5	Differences in venom and cuticular peptides in individuals of <i>Apis mellifera</i> (Hymenoptera: Apidae) determined by MALDI-TOF MS. <i>Journal of Insect Physiology</i> , 2010, 56, 366-375.	2.0	48
6	Weak and contradictory effects of self-medication with nectar nicotine by parasitized bumblebees. <i>F1000Research</i> , 2015, 4, 73.	1.6	42
7	Defence reactions of <i>Apis mellifera ligustica</i> against attacks from the European hornet <i>Vespa crabro</i> . <i>Ethology Ecology and Evolution</i> , 2010, 22, 281-294.	1.4	41
8	A Socio-spatial Combined Approach Confirms a Highly Compartmentalised Structure in Honeybees. <i>Ethology</i> , 2014, 120, 1167-1176.	1.1	41
9	From individual to collective immunity: The role of the venom as antimicrobial agent in the Stenogastrinae wasp societies. <i>Journal of Insect Physiology</i> , 2012, 58, 188-193.	2.0	39
10	Pheromone components affect motivation and induce persistent modulation of associative learning and memory in honey bees. <i>Communications Biology</i> , 2020, 3, 447.	4.4	38
11	Facial markings in the hover wasps: quality signals and familiar recognition cues in two species of Stenogastrinae. <i>Animal Behaviour</i> , 2013, 85, 203-212.	1.9	35
12	Speed and accuracy in nest-mate recognition: a hover wasp prioritizes face recognition over colony odour cues to minimize intrusion by outsiders. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142750.	2.6	32
13	Behavioural evidence for self-medication in bumblebees?. <i>F1000Research</i> , 0, 4, 73.	1.6	32
14	Do Insects Have Emotions? Some Insights from Bumble Bees. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 157.	2.0	31
15	Phylogeography and counter-intuitive inferences in island biogeography: evidence from morphometric markers in the mobile butterfly <i>Maniola jurtina</i> (Linnaeus) (Lepidoptera, Nymphalidae). <i>Biological Journal of the Linnean Society</i> , 0, 98, 677-692.	1.6	30
16	Pheromones modulate reward responsiveness and non-associative learning in honey bees. <i>Scientific Reports</i> , 2017, 7, 9875.	3.3	30
17	Does Holistic Processing Require a Large Brain? Insights From Honeybees and Wasps in Fine Visual Recognition Tasks. <i>Frontiers in Psychology</i> , 2018, 9, 1313.	2.1	29
18	Medium molecular weight polar substances of the cuticle as tools in the study of the taxonomy, systematics and chemical ecology of tropical hover wasps (Hymenoptera: Stenogastrinae). <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2010, 48, 109-114.	1.4	27

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19	Ants as bioaccumulators of metals from soils: Body content and tissue-specific distribution of metals in the ant <i>Crematogaster scutellaris</i> . <i>European Journal of Soil Biology</i> , 2013, 58, 24-31.	3.2	26
20	Acute and chronic ingestion of polyethylene (PE) microplastics has mild effects on honey bee health and cognition. <i>Environmental Pollution</i> , 2022, 305, 119318.	7.5	26
21	Biopesticides and insect pollinators: Detrimental effects, outdated guidelines, and future directions. <i>Science of the Total Environment</i> , 2022, 837, 155714.	8.0	26
22	Lateralization of Sucrose Responsiveness and Non-associative Learning in Honeybees. <i>Frontiers in Psychology</i> , 2018, 9, 425.	2.1	25
23	Nectar non-protein amino acids (NPAAs) do not change nectar palatability but enhance learning and memory in honey bees. <i>Scientific Reports</i> , 2021, 11, 11721.	3.3	18
24	Facial patterns in a tropical social wasp correlate with colony membership. <i>Die Naturwissenschaften</i> , 2016, 103, 80.	1.6	17
25	Foraging bumblebees use social cues more when the task is difficult. <i>Behavioral Ecology</i> , 2018, 29, 186-192.	2.2	17
26	Relevance of wing morphology in distinguishing and classifying genera and species of Stenogastrinae wasps. <i>Contributions To Zoology</i> , 2011, 80, 191-199.	0.5	16
27	Cognitive ecology of pollinators and the main determinants of foraging plasticity. <i>Environmental Epigenetics</i> , 2019, 65, 421-424.	1.8	16
28	Pheromone-Induced Accuracy of Nestmate Recognition in Carpenter Ants: Simultaneous Decrease in Type I and Type II Errors. <i>American Naturalist</i> , 2019, 193, 267-278.	2.1	15
29	Home Range Analysis in the Study of Spatial Organization on the Comb in the Paper Wasp <i>Polistes Dominulus</i> . <i>Ethology</i> , 2010, 116, 579-587.	1.1	14
30	Exposure to a biopesticide interferes with sucrose responsiveness and learning in honey bees. <i>Scientific Reports</i> , 2020, 10, 19929.	3.3	13
31	Top-down sequencing of <i>Apis dorsata</i> apamin by MALDI-TOF MS and evidence of its inactivity against microorganisms. <i>Toxicon</i> , 2013, 71, 105-112.	1.6	12
32	Aversive learning of odor-heat associations in ants. <i>Journal of Experimental Biology</i> , 2017, 220, 4661-4668.	1.7	11
33	Evidence of cognitive specialization in an insect: proficiency is maintained across elemental and higher-order visual learning but not between sensory modalities in honey bees. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	11
34	Venom as a Component of External Immune Defense in Hymenoptera. <i>Toxinology</i> , 2017, , 213-233.	0.2	9
35	Insect sentience and the rise of a new inclusive ethics. <i>Animal Sentience</i> , 2020, 5, .	0.5	9
36	Determinants of immature brood and nest recognition in a stenogastrine wasp (Hymenoptera) <i>Tj ETQq0 0 0 rgBT /Overlock 1,0 Tf 50 62</i>	1.4	7

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37	Nest architecture and colony composition of communally nesting <i>Spilomena socialis</i> sp. n. (Hymenoptera, Crabronidae, Pemphredoninae) from peninsular Malaysia. <i>Journal of Hymenoptera Research</i> , 2014, 41, 113-129.	0.8	7
38	Major changes in the sex differences in cuticular chemical profiles of the western conifer seed bug (<i>Leptoglossus occidentalis</i>) after laboratory rearing. <i>Journal of Insect Physiology</i> , 2013, 59, 738-744.	2.0	4
39	Vocal accommodation in penguins (<i>Spheniscus demersus</i>) as a result of social environment. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, .	2.6	4
40	Social biology of <i>Parischnogaster striatula</i> (Hymenoptera: Stenogastrinae). <i>Tropical Zoology</i> , 2013, 26, 105-119.	0.6	3
41	Phenotypic characterization of cryptic <i>Diplodia</i> species by MALDI-TOF MS and the bias of mycelium age. <i>Forest Pathology</i> , 2013, 43, 455-461.	1.1	3
42	The reproductive division of labour but not worker age affects spatial sorting within the nest in a paper wasp. <i>Insectes Sociaux</i> , 2017, 64, 379-385.	1.2	3
43	Testing the signal value of clypeal black patterning in an Italian population of the paper wasp <i>Polistes dominula</i> . <i>Insectes Sociaux</i> , 2018, 65, 161-169.	1.2	2
44	Venom as a Component of External Immune Defense in Hymenoptera. , 2015, , 1-17.		1
45	Formic acid modulates latency and accuracy of nestmate recognition in carpenter ants. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	1
46	Le difese naturali delle colonie di api contro le malattie. , 2014, , 27-48.		0