Elizabeth A Tibbetts

List of Publications by Year
in descending order

85 papers	4,647 citations	126708 33 h-index	110170 64 g-index
86 all docs	86 docs citations	86 times ranked	3465 citing authors

#	Article	IF	Citations
1	Individual recognition: it is good to be different. Trends in Ecology and Evolution, 2007, 22, 529-537.	4.2	627
2	The biology of color. Science, 2017, 357, .	6.0	509
3	A socially enforced signal of quality in a paper wasp. Nature, 2004, 432, 218-222.	13.7	424
4	Visual signals of individual identity in the wasp Polistes fuscatus. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 1423-1428.	1.2	321
5	Specialized Face Learning Is Associated with Individual Recognition in Paper Wasps. Science, 2011, 334, 1272-1275.	6.0	201
6	Molecular systematics of primary reptilian lineages and the tuatara mitochondrial genome. Molecular Phylogenetics and Evolution, 2003, 29, 289-297.	1.2	169
7	Polistes paper wasps: a model genus for the study of social dominance hierarchies. Insectes Sociaux, 2014, 61, 11-27.	0.7	111
8	Visual signals of status and rival assessment in Polistes dominulus paper wasps. Biology Letters, 2008, 4, 237-239.	1.0	105
9	Complex social behaviour can select for variability in visual features: a case study inPolisteswasps. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 1955-1960.	1.2	100
10	Social Punishment of Dishonest Signalers Caused by Mismatch between Signal and Behavior. Current Biology, 2010, 20, 1637-1640.	1.8	74
11	Benefits of foundress associations in the paper wasp Polistes dominulus: increased productivity and survival, but no assurance of fitness returns. Behavioral Ecology, 2003, 14, 510-514.	1.0	73
12	The establishment and maintenance of dominance hierarchies. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20200450.	1.8	70
13	Robust long-term social memories in a paper wasp. Current Biology, 2008, 18, R851-R852.	1.8	68
14	The effect of juvenile hormone on temporal polyethism in the paper wasp Polistes dominulus. Insectes Sociaux, 2009, 56, 7-13.	0.7	67
15	The Challenge Hypothesis in an Insect: Juvenile Hormone Increases during Reproductive Conflict following Queen Loss in Polistes Wasps. American Naturalist, 2010, 176, 123-130.	1.0	67
16	Rearing conditions influence quality signals but not individual identity signals in Polistes wasps. Behavioral Ecology, 2007, 18, 602-607.	1.0	65
17	Different axes of environmental variation explain the presence vs. extent of cooperative nest founding associations in Polistes paper wasps. Ecology Letters, 2015, 18, 1057-1067.	3.0	65
18	Endocrine mediated phenotypic plasticity: Condition-dependent effects of juvenile hormone on dominance and fertility of wasp queens. Hormones and Behavior, 2009, 56, 527-531.	1.0	58

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19	EVOLUTION OF IDENTITY SIGNALS: FREQUENCY-DEPENDENT BENEFITS OF DISTINCTIVE PHENOTYPES USED FOR INDIVIDUAL RECOGNITION. Evolution; International Journal of Organic Evolution, 2009, 63, 3106-3113.	1.1	57
20	Cuticular hydrocarbons correlate with fertility, not dominance, in a paper wasp, Polistes dominulus. Behavioral Ecology and Sociobiology, 2010, 64, 857-864.	0.6	54
21	Signal function drives phenotypic and genetic diversity: the effects of signalling individual identity, quality or behavioural strategy. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160347.	1.8	53
22	Coâ€evolution of plumage characteristics and winter sociality in New and Old World sparrows. Journal of Evolutionary Biology, 2009, 22, 2376-2386.	0.8	52
23	Resource value and the context dependence of receiver behaviour. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 2201-2206.	1.2	50
24	The Condition Dependence and Heritability of Signaling and Nonsignaling Color Traits in Paper Wasps. American Naturalist, 2010, 175, 495-503.	1.0	49
25	Mutual assessment via visual status signals in Polistes dominulus wasps. Biology Letters, 2010, 6, 10-13.	1.0	47
26	The Evolution of Honest Communication: Integrating Social and Physiological Costs of Ornamentation. Integrative and Comparative Biology, 2014, 54, 578-590.	0.9	46
27	Correlation between Facial Pattern Recognition and Brain Composition in Paper Wasps. Brain, Behavior and Evolution, 2008, 71, 1-14.	0.9	44
28	How do fighting ability and nest value influence usurpation contests in Polistes wasps?. Behavioral Ecology and Sociobiology, 2009, 63, 1377-1385.	0.6	42
29	Spotting the top male: sexually selected signals in male Polistes dominulus wasps. Animal Behaviour, 2012, 83, 839-845.	0.8	41
30	A testable definition of individual recognition. Trends in Ecology and Evolution, 2008, 23, 356.	4.2	38
31	Behavioral and physiological factors associated with juvenile hormone in Polistes wasp foundresses. Behavioral Ecology and Sociobiology, 2011, 65, 1123-1131.	0.6	38
32	Reproductive plasticity in Polistes paper wasp workers and the evolutionary origins of sociality. Journal of Insect Physiology, 2011, 57, 995-999.	0.9	37
33	Dispersal decisions and predispersal behavior in Polistes paper wasp â€˜workersâ€™. Behavioral Ecology and Sociobiology, 2007, 61, 1877-1883.	0.6	35
34	The effect of juvenile hormone on Polistes wasp fertility varies with cooperative behavior. Hormones and Behavior, 2012, 61, 559-564.	1.0	35
35	Wasps Use Social Eavesdropping to Learn about Individual Rivals. Current Biology, 2020, 30, 3007-3010.e2.	1.8	35
36	Transitive inference in Polistes paper wasps. Biology Letters, 2019, 15, 20190015.	1.0	34

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37	Aggression and resource sharing among foundresses in the social wasp Polistes dominulus : testing transactional theories of conflict. Behavioral Ecology and Sociobiology, 2000, 48, 344-352.	0.6	33
38	The challenge hypothesis across taxa: social modulation of hormone titres in vertebrates and insects. Animal Behaviour, 2014, 92, 281-290.	0.8	32
39	Insects as models for studying the evolution of animal cognition. Current Opinion in Insect Science, 2019, 34, 117-122.	2.2	30
40	Coevolution of visual signals and eye morphology inPolistespaper wasps. Biology Letters, 2014, 10, 20140254.	1.0	29
41	Facial Patterns are a Conventional Signal of Agonistic Ability in Polistes exclamans Paper Wasps. Ethology, 2011, 117, 1138-1146.	0.5	28
42	Social isolation prevents the development of individual face recognition in paper wasps. Animal Behaviour, 2019, 152, 71-77.	0.8	27
43	Pollinator community species richness dilutes prevalence of multiple viruses within multiple host species. Ecology, 2021, 102, e03305.	1.5	25
44	<scp>WASP</scp>nest: a worldwide assessment of social Polistine nesting behavior. Ecology, 2018, 99, 2405-2405.	1.5	24
45	Geographic Variation in the Status Signals of Polistes dominulus Paper Wasps. PLoS ONE, 2011, 6, e28173.	1.1	23
46	Cognition across castes: individual recognition in worker Polistes fuscatus wasps. Animal Behaviour, 2014, 87, 91-96.	0.8	22
47	Advertised quality, caste and food availability influence the survival cost of juvenile hormone in paper wasps. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 3461-3467.	1.2	19
48	The Function, Development, and Evolutionary Stability of Conventional Signals of Fighting Ability. Advances in the Study of Behavior, 2013, 45, 49-80.	1.0	19
49	How Does Individual Recognition Evolve? Comparing Responses to Identity Information in <scp>P</scp>olistes Species with and Without Individual Recognition. Ethology, 2014, 120, 169-179.	0.5	19
50	Intraspecific Variation in Learning: Worker Wasps Are Less Able to Learn and Remember Individual Conspecific Faces than Queen Wasps. American Naturalist, 2018, 191, 595-603.	1.0	19
51	Juvenile hormone influences precontest assessment behaviour in Polistes dominulus paper wasps. Animal Behaviour, 2013, 85, 1177-1181.	0.8	17
52	Heightened Condition Dependence of a Sexually Selected Signal in Male <scp>P</scp>olistes dominulus Paper Wasps. Ethology, 2015, 121, 586-592.	0.5	17
53	Sex differences in face but not colour learning in Polistes fuscatus paper wasps. Animal Behaviour, 2018, 140, 1-6.	0.8	16
54	Nutrition-dependent fertility response to juvenile hormone in non-social Euodynerus foraminatus wasps and the evolutionary origin of sociality. Journal of Insect Physiology, 2013, 59, 339-344.	0.9	15

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55	Individual Recognition and the Evolution of Learning and Memory in Polistes Paper Wasps. Handbook of Behavioral Neuroscience, 2013, , 561-571.	0.7	15
56	Heritable variation in colour patterns mediating individual recognition. Royal Society Open Science, 2017, 4, 161008.	1.1	15
57	Rapid juvenile hormone downregulation in subordinate wasp queens facilitates stable cooperation. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172645.	1.2	15
58	The development and evolution of specialized face learning in paper wasps. Animal Behaviour, 2019, 147, 1-7.	0.8	15
59	The leks of Polistes dominula paper wasps: tiny abdominal spots play a critical role in male attacks toward potential rivals. Ethology Ecology and Evolution, 2017, 29, 410-419.	0.6	14
60	Queen personality type predicts nest-guarding behaviour, colony size and the subsequent collective aggressiveness of the colony. Animal Behaviour, 2017, 124, 7-13.	0.8	14
61	The challenge hypothesis in insects. Hormones and Behavior, 2020, 123, 104533.	1.0	14
62	Habitat and nest-site partitioning in splendid and variegated fairy-wrens (Aves : Maluridae). Australian Journal of Zoology, 1999, 47, 317.	0.6	13
63	Socially selected ornaments influence hormone titers of signalers and receivers. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8478-8483.	3.3	12
64	Complex signals alter recognition accuracy and conspecific acceptance thresholds. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190482.	1.8	12
65	Individual recognition is associated with holistic face processing in Polistes paper wasps in a species-specific way. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20203010.	1.2	12
66	Socially selected ornaments and fitness: Signals of fighting ability in paper wasps are positively associated with survival, reproductive success, and rank. Evolution; International Journal of Organic Evolution, 2015, 69, 2917-2926.	1.1	11
67	Advertised quality and resource value affect aggression and social vigilance in paper wasp contests. Animal Behaviour, 2015, 102, 259-266.	0.8	11
68	Polistes metricus queens exhibit personality variation and behavioral syndromes. Environmental Epigenetics, 2018, 64, 45-52.	0.9	11
69	Juvenile hormone titer and advertised quality are associated with timing of early spring activity in Polistes dominulus foundresses. Insectes Sociaux, 2011, 58, 473-478.	0.7	10
70	Cognitive specialization for learning faces is associated with shifts in the brain transcriptome of a social wasp. Journal of Experimental Biology, 2017, 220, 2149-2153.	0.8	10
71	Two experimental tests of the relationship between group stability and aggressive conflict in Polistes wasps. Die Naturwissenschaften, 2008, 95, 383-389.	0.6	9
72	Good with Faces. Scientific American, 2013, 309, 62-67.	1.0	9

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73	Preferential phenotypic association linked with cooperation in paper wasps. Journal of Evolutionary Biology, 2013, 26, 2350-2358.	0.8	7
74	Developmental plasticity and the origin of novel communication systems: Individual recognition in Polistes wasps*. Evolution; International Journal of Organic Evolution, 2018, 72, 2728-2735.	1.1	7
75	Individual recognition and individual identity signals in Polistes fuscatus wasps vary geographically. Animal Behaviour, 2021, 176, 87-98.	0.8	7
76	Reciprocal plasticity and the diversification of communication systems. Animal Behaviour, 2021, 179, 297-306.	0.8	7
77	Condition dependence and the origins of elevated fluctuating asymmetry in quality signals. Behavioral Ecology, 2011, 22, 1166-1172.	1.0	5
78	Visual and chemical signals provide different information in Polistes fuscatus wasps. Ethology, 2021, 127, 231-237.	0.5	5
79	Specialized visual learning of facial signals of quality in the paper wasp,Polistes dominula. Biological Journal of the Linnean Society, 2014, 113, 992-997.	0.7	4
80	Egg discrimination is mediated by individual differences in queen olfactory responsiveness and boldness. Behavioral Ecology, 2019, 30, 1306-1313.	1.0	3
81	Individual variation in queen morphology and behavior predicts colony performance in the wild. Behavioral Ecology and Sociobiology, 2019, 73, 1.	0.6	2
82	Individual Recognition. , 2017, , 1-13.		2
83	Signal response is context-dependent in Polistes dominula. Journal of Ethology, 2021, 39, 417-422.	0.4	1
84	Elizabeth Tibbetts. Current Biology, 2012, 22, R289-R290.	1.8	0
85	Individual Recognition. , 2022, , 3401-3414.		0