

Ian C W Hardy

List of Publications by Year in descending order

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116
papers

3,761
citations

147801

31
h-index

182427

51
g-index

119
all docs

119
docs citations

119
times ranked

2599
citing authors

#	ARTICLE	IF	CITATIONS
1	Statistical analysis of sex ratios: an introduction. , 2002, , 48-92.		355
2	Sex Ratio and Mating Structure in the Parasitoid Hymenoptera. <i>Oikos</i> , 1994, 69, 3.	2.7	161
3	Possible factors influencing vertebrate sex ratios: an introductory overview. <i>Applied Animal Behaviour Science</i> , 1997, 51, 217-241.	1.9	138
4	Logistic analysis of animal contests. <i>Animal Behaviour</i> , 1998, 56, 787-792.	1.9	135
5	The importance of being larger: parasitoid intruderâ€™owner contests and their implications for clutch size. <i>Animal Behaviour</i> , 1996, 51, 1363-1373.	1.9	124
6	Aggression by polyembryonic wasp soldiers correlates with kinship but not resource competition. <i>Nature</i> , 2004, 430, 676-679.	27.8	111
7	Brood guarding in a bethylid wasp. <i>Ecological Entomology</i> , 1991, 16, 55-62.	2.2	92
8	The importance of valuing resources: host weight and contender age as determinants of parasitoid wasp contest outcomes. <i>Animal Behaviour</i> , 2006, 72, 891-898.	1.9	89
9	Non-Binomial Sex Allocation and Brood Sex Ratio Variances in the Parasitoid Hymenoptera. <i>Oikos</i> , 1992, 65, 143.	2.7	82
10	Host plant, host plant chemistry and the polyembryonic parasitoid <i>Copidosoma sosares</i> : indirect effects in a tritrophic interaction. <i>Oikos</i> , 2004, 104, 388-400.	2.7	82
11	Spiteful Soldiers and Sex Ratio Conflict in Polyembryonic Parasitoid Wasps. <i>American Naturalist</i> , 2007, 169, 519-533.	2.1	79
12	Brood sex ratio variance, developmental mortality and virginity in a gregarious parasitoid wasp. <i>Oecologia</i> , 1995, 103, 162-169.	2.0	78
13	Patterns of sex ratio, virginity and developmental mortality in gregarious parasitoids. <i>Biological Journal of the Linnean Society</i> , 1998, 64, 239-270.	1.6	77
14	Effects of assisted reproductive technologies on human sex ratio at birth. <i>Fertility and Sterility</i> , 2014, 101, 1321-1325.	1.0	74
15	The importance of being gravid: egg load and contest outcome in a parasitoid wasp. <i>Animal Behaviour</i> , 2000, 59, 1111-1118.	1.9	72
16	Human sex ratios: adaptations and mechanisms, problems and prospects. , 2002, , 287-312.		64
17	Insect gladiators II: Competitive interactions within and between bethylid parasitoid species of the coffee berry borer, <i>Hypothenemus hampei</i> (Coleoptera: Scolytidae). <i>Biological Control</i> , 2005, 33, 194-202.	3.0	61
18	Wasp eat wasp: facultative hyperparasitism and intra-guild predation by bethylid wasps. <i>Biological Control</i> , 2004, 30, 149-155.	3.0	58

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19	Insect gladiators: competitive interactions between three species of bethylid wasps attacking the coffee berry borer, <i>Hypothenemus hampei</i> (Coleoptera: Scolytidae). <i>Biological Control</i> , 2002, 25, 231-238.	3.0	56
20	Entometabolomics: applications of modern analytical techniques to insect studies. <i>Entomologia Experimentalis Et Applicata</i> , 2015, 155, 1-17.	1.4	52
21	Dyadic contests: modelling fights between two individuals. , 2013, , 5-32.		51
22	Sex ratio, sexual dimorphism and mating structure in bethylid wasps. <i>Behavioral Ecology and Sociobiology</i> , 1998, 42, 383-395.	1.4	50
23	Volatile emission by contest losers revealed by real-time chemical analysis. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 2853-2859.	2.6	48
24	The importance of offspring value: maternal defence in parasitoid contests. <i>Animal Behaviour</i> , 2007, 74, 437-446.	1.9	46
25	Subjective and objective components of resource value additively increase aggression in parasitoid contests. <i>Biology Letters</i> , 2013, 9, 20130391.	2.3	46
26	Mutually beneficial host exploitation and ultra-biased sex ratios in quasisocial parasitoids. <i>Nature Communications</i> , 2014, 5, 4942.	12.8	45
27	Two components of kin recognition influence parasitoid aggression in resource competition. <i>Animal Behaviour</i> , 2012, 83, 793-799.	1.9	44
28	The elusive paradox: ownerâ€™intruder roles, strategies, and outcomes in parasitoid contests. <i>Behavioral Ecology</i> , 2009, 20, 296-304.	2.2	42
29	The importance of alternative host plants as reservoirs of the cotton leaf hopper, <i>Amrasca devastans</i> , and its natural enemies. <i>Journal of Pest Science</i> , 2015, 88, 517-531.	3.7	41
30	Analysis of animal contest data. , 2013, , 47-85.		40
31	Hymenopteran contests and agonistic behaviour. , 0, , 147-177.		39
32	Contest duration: sizing up the opposition?. <i>Trends in Ecology and Evolution</i> , 2003, 18, 491-493.	8.7	36
33	Encountering competitors reduces clutch size and increases offspring size in a parasitoid with femaleâ€™female fighting. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 2571-2577.	2.6	34
34	Power rangers: no improvement in the statistical power of analyses published in <i>Animal Behaviour</i> . <i>Animal Behaviour</i> , 2011, 81, 347-352.	1.9	34
35	Local Mating, Dispersal and Sex Ratio in a Gregarious Parasitoid Wasp. <i>Ethology</i> , 1999, 105, 57-72.	1.1	33
36	Interactions among bethylid parasitoid species attacking the coffee berry borer, <i>Hypothenemus hampei</i> (Coleoptera: Scolytidae). <i>Biological Control</i> , 2006, 36, 106-118.	3.0	33

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37	Primary and secondary sex ratios in a gregarious parasitoid with local mate competition. <i>Behavioral Ecology</i> , 2013, 24, 435-443.	2.2	33
38	Insemination Capacity and Dispersal in Relation to Sex Allocation Decisions in <i>Goniozus legneri</i> (Hymenoptera: Bethyidae): Why Are There More Males in Larger Broods?. <i>Ethology</i> , 2000, 106, 1021-1032.	1.1	31
39	Analysis of sex ratio variances and sequences of sex allocation. , 2002, , 112-131.		31
40	Parasitoid developmental mortality in the field: patterns, causes and consequences for sex ratio and virginy. <i>Journal of Animal Ecology</i> , 2011, 80, 192-203.	2.8	30
41	Trade-offs between specificity and regional generality in habitat association models: a case study of two species of African vulture. <i>Journal of Applied Ecology</i> , 2009, 46, 852-860.	4.0	29
42	Factors influencing brood sex ratios in polyembryonic Hymenoptera. <i>Oecologia</i> , 1993, 93, 343-348.	2.0	28
43	Reproductive Biology of <i>Cephalonomia hyalinipennis</i> (Hymenoptera: Bethyidae), a Native Parasitoid of the Coffee Berry Borer, <i>Hypothenemus hampei</i> (Coleoptera: Scolytidae), in Chiapas, Mexico. <i>Biological Control</i> , 1999, 14, 152-158.	3.0	28
44	Field evaluation of synthetic and neem-derived alternative insecticides in developing action thresholds against cauliflower pests. <i>Scientific Reports</i> , 2019, 9, 7684.	3.3	28
45	Impact of neonicotinoid seed treatment of cotton on the cotton leafhopper, <i>Amrasca devastans</i> (Hemiptera: Cicadellidae), and its natural enemies. <i>Pest Management Science</i> , 2016, 72, 1260-1267.	3.4	27
46	Volatile chemical release by bethylid wasps: identity, phylogeny, anatomy and behaviour. <i>Biological Journal of the Linnean Society</i> , 0, 94, 837-852.	1.6	26
47	Protagonists of polyembryony. <i>Trends in Ecology and Evolution</i> , 1995, 10, 179-180.	8.7	25
48	Short-term soil carbon sink potential of oil palm plantations. <i>GCB Bioenergy</i> , 2012, 4, 588-596.	5.6	24
49	Reproductive biology of <i>Sclerodermus brevicornis</i> , a European parasitoid developing on three species of invasive longhorn beetles. <i>Biological Control</i> , 2017, 105, 40-48.	3.0	24
50	Mating Systems. , 2007, , 261-298.		23
51	Alternative Hosts for Bethyid Parasitoids of the Coffee Berry Borer, <i>Hypothenemus hampei</i> (Coleoptera: Scolytidae). <i>Biological Control</i> , 2001, 22, 265-277.	3.0	22
52	The influence of contests on optimal clutch size: a game-theoretic model. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 971-978.	2.6	22
53	Genetic and environmental influences on the cuticular hydrocarbon profiles of <i>Goniozus</i> wasps. <i>Entomologia Experimentalis Et Applicata</i> , 2013, 147, 175-185.	1.4	20
54	Polyandrous parasitoids: multiple mating for variety's sake?. <i>Trends in Ecology and Evolution</i> , 1994, 9, 202-203.	8.7	19

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55	Sex ratios of parasitic Hymenoptera with unusual life-histories. , 2002, , 218-234.		19
56	An effect of vegetation structure on carcass exploitation by vultures in an African savanna. <i>Ostrich</i> , 2009, 80, 135-137.	1.1	19
57	Associations of Avian Facial Flushing and Skin Colouration with Agonistic Interaction Outcomes. <i>Ethology</i> , 2010, 116, 1163-1170.	1.1	19
58	Nematode parasitism in a northern European drosophilid community. <i>Entomologia Experimentalis Et Applicata</i> , 1997, 84, 275-291.	1.4	18
59	Sex ratios, virginity, and local resource enhancement in a quasisocial parasitoid. <i>Entomologia Experimentalis Et Applicata</i> , 2016, 159, 243-251.	1.4	18
60	Body size, host choice and sex allocation in a spider-hunting pompilid wasp. <i>Biological Journal of the Linnean Society</i> , 2006, 87, 285-296.	1.6	17
61	Superparasitism: a non-adaptive strategy?. <i>Trends in Ecology and Evolution</i> , 2004, 19, 347-348.	8.7	16
62	Consequences of resource competition for sex allocation and discriminative behaviors in a hyperparasitoid wasp. <i>Behavioral Ecology and Sociobiology</i> , 2014, 68, 105-113.	1.4	16
63	Metabolomics of aging assessed in individual parasitoid wasps. <i>Scientific Reports</i> , 2016, 6, 34848.	3.3	16
64	Kinship effects in quasi-social parasitoids II: co-foundress relatedness and host dangerousness interactively affect host exploitation. <i>Biological Journal of the Linnean Society</i> , 2020, 130, 642-660.	1.6	16
65	Direct and indirect influences of intercrops on the coconut defoliator <i>Opisina arenosella</i> . <i>Journal of Pest Science</i> , 2018, 91, 259-275.	3.7	15
66	Sustenance and Performance: Nutritional Reserves, Longevity, and Contest Outcomes of Fed and Starved Adult Parasitoid Wasps. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	2.2	15
67	Kinship effects in quasi-social parasitoids I: co-foundress number and relatedness affect suppression of dangerous hosts. <i>Biological Journal of the Linnean Society</i> , 2020, 130, 627-641.	1.6	15
68	Co-foundress confinement elicits kinship effects in a naturally sub-social parasitoid. <i>Journal of Evolutionary Biology</i> , 2020, 33, 1068-1085.	1.7	15
69	Using sex ratios: why bother?. , 2002, , 399-413.		14
70	Models of group or multi-party contests. , 2013, , 33-46.		13
71	Reproductive biology of <i>Holepyris sylvanidis</i> (Hymenoptera: Bethyilidae). <i>Biological Control</i> , 2017, 106, 1-8.	3.0	13
72	Thiamethoxam exposure deregulates short ORF gene expression in the honey bee and compromises immune response to bacteria. <i>Scientific Reports</i> , 2021, 11, 1489.	3.3	13

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73	Higher aggression towards closer relatives by soldier larvae in a polyembryonic wasp. <i>Biology Letters</i> , 2014, 10, 20140229.	2.3	12
74	Factors affecting diet, habitat selection and breeding success of the African Crowned Eagle <i>Stephanoaetus coronatus</i> in a fragmented landscape. <i>Ostrich</i> , 2014, 85, 47-55.	1.1	12
75	Mutual interference reduces offspring production in a brood-guarding bethylid wasp. <i>Entomologia Experimentalis Et Applicata</i> , 2016, 159, 260-269.	1.4	12
76	The impact of competition on elephant musth strategies: A game-theoretic model. <i>Journal of Theoretical Biology</i> , 2017, 417, 109-130.	1.7	12
77	Adjustment of sex allocation to foundress number and kinship under local mate competition: An inclusive fitness analysis. <i>Journal of Evolutionary Biology</i> , 2020, 33, 1806-1812.	1.7	12
78	Performance of <i>Sclerodermus brevicornis</i> , a parasitoid of invasive longhorn beetles, when reared on rice moth larvae. <i>Entomologia Experimentalis Et Applicata</i> , 2021, 169, 64-78.	1.4	12
79	Patterns of sex ratio, virginity and developmental mortality in gregarious parasitoids. <i>Biological Journal of the Linnean Society</i> , 1998, 64, 239-270.	1.6	12
80	Factors Affecting the Reproduction and Mass-Rearing of <i>Sclerodermus brevicornis</i> (Hymenoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.2	11
81	Butterfly contests: contradictory but not paradoxical. <i>Animal Behaviour</i> , 2000, 59, F1-F3.	1.9	9
82	The effect of differential survivorship on the stability of reproductive queueing. <i>Journal of Theoretical Biology</i> , 2006, 242, 699-712.	1.7	9
83	A Female-Emitted Pheromone Component Is Associated with Reduced Male Courtship in the Parasitoid Wasp <i>Spalangia endius</i> . <i>PLoS ONE</i> , 2013, 8, e82010.	2.5	9
84	Deuterium marking of chemical emissions: detectability and fitness consequences of a novel technique for insect behavioural studies. <i>Entomologia Experimentalis Et Applicata</i> , 2007, 125, 285-296.	1.4	8
85	Defection on the bounty? Kinship and cooperative exploitation of a rich, essential but dangerous resource. <i>Animal Behaviour</i> , 2021, 176, 57-65.	1.9	8
86	How many cooperators are too many? Foundress number, reproduction and sex ratio in a quasi-social parasitoid. <i>Ecological Entomology</i> , 2022, 47, 566-579.	2.2	8
87	Reproductive skew in quasisocial parasitoids: how egalitarian is cooperative brooding?. <i>Animal Behaviour</i> , 2022, 186, 191-206.	1.9	8
88	Temporal and sex-specific variation in growth rates of Marabou Stork <i>Leptoptilos crumeniferus</i> chicks. <i>Ostrich</i> , 2010, 81, 85-91.	1.1	7
89	Detecting non-binomial sex allocation when developmental mortality operates. <i>Journal of Theoretical Biology</i> , 2016, 408, 167-178.	1.7	7
90	Volatile Chemical Emission as a Weapon of Rearguard Action: A Game-Theoretic Model of Contest Behavior. <i>Bulletin of Mathematical Biology</i> , 2017, 79, 2413-2449.	1.9	7

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91	Development of microsatellite markers and detection of genetic variation between <i>Goniozus</i> wasp populations. <i>Journal of Insect Science</i> , 2014, 14, 43.	1.5	6
92	Entomophagous insects: progress in evolutionary and applied ecology. <i>Trends in Ecology and Evolution</i> , 1995, 10, 96-97.	8.7	5
93	Does sex appeal to zoos?. <i>Trends in Ecology and Evolution</i> , 1995, 10, 478-479.	8.7	5
94	Nematode parasitism in a Danish drosophilid community: further evaluation of the disproportionate parasitism hypothesis. <i>Entomologia Experimentalis Et Applicata</i> , 1998, 88, 67-71.	1.4	5
95	Reply from I.C.W. Hardy and P.J. Mayhew. <i>Trends in Ecology and Evolution</i> , 1999, 14, 235.	8.7	5
96	Spiteful Soldiers and Sex Ratio Conflict in Polyembryonic Parasitoid Wasps. <i>American Naturalist</i> , 2007, 169, 519.	2.1	5
97	Hares and tortoises in <i>Drosophila</i> community ecology. <i>Trends in Ecology and Evolution</i> , 1994, 9, 119-120.	8.7	4
98	Parasitoids: Behavioral and Evolutionary Ecology. <i>Journal of Animal Ecology</i> , 1994, 63, 1009.	2.8	4
99	Skink skirmishes: why do owners win?. <i>Trends in Ecology and Evolution</i> , 2001, 16, 174.	8.7	4
100	Contests between beneficial natural enemies: brood-guarding parasitoids vs. foraging predators. <i>Entomologia Experimentalis Et Applicata</i> , 2021, 169, 209-218.	1.4	4
101	Walk this way, fly that way: <i>Goniozus jacintae</i> attunes flight and foraging behaviour to leafroller host instar. <i>Entomologia Experimentalis Et Applicata</i> , 2021, 169, 350-361.	1.4	4
102	Does the lack of heritability of human sex ratios require a rethink of sex ratio theory? No: a Comment on Zietsch et al . 2020. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20202638.	2.6	4
103	A play on worlds. <i>Trends in Ecology and Evolution</i> , 2002, 17, 489-490.	8.7	3
104	PARTIALLY CONSTRAINED SEX ALLOCATION AND THE INDIRECT EFFECTS OF ASSISTED REPRODUCTIVE TECHNOLOGIES ON THE HUMAN SEX RATIO. <i>Journal of Biosocial Science</i> , 2017, 49, 281-291.	1.2	3
105	Escaping the evolutionary trap: Can size-related contest advantage compensate for juvenile mortality disadvantage when parasitoids develop in unnatural invasive hosts?. <i>Journal of Theoretical Biology</i> , 2021, 527, 110821.	1.7	3
106	Development of Microsatellite Markers and Detection of Genetic Variation between <i>Goniozus</i> Wasp Populations. <i>Journal of Insect Science</i> , 2014, 14, 1-17.	1.5	2
107	Parental relatedness and parasitoid sex ratios under local mate competition. <i>Entomological Science</i> , 2021, 24, 137-142.	0.6	2
108	Nonsiblicidal Behavior and the Evolution of Clutch Size in Bethyloid Wasps. <i>American Naturalist</i> , 1998, 151, 409.	2.1	2

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109	Vicious fig wasps in viscous populations. <i>Trends in Ecology and Evolution</i> , 2001, 16, 224.	8.7	1
110	A polymorphic effect of sexually differential production costs when one parent controls the sex ratio. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 1429-1434.	2.6	1
111	Unholy Trinity. <i>Trends in Ecology and Evolution</i> , 2005, 20, 429.	8.7	1
112	Interactions At the Second Benelux-Congress of Zoology. <i>Animal Biology</i> , 1995, 46, 164-171.	0.4	0
113	Darwin's dream pond: Drama in lake Victoria. <i>Trends in Ecology and Evolution</i> , 1996, 11, 443.	8.7	0
114	A traditional delivery with unusual structure. <i>Journal of Biogeography</i> , 2006, 33, 190-191.	3.0	0
115	How to view our/the universe. <i>Trends in Ecology and Evolution</i> , 2013, 28, 687-688.	8.7	0
116	Preface: In memory of Mark Jervis. <i>Entomologia Experimentalis Et Applicata</i> , 2016, 159, 117-118.	1.4	0