Christina M Grozinger

List of Publications by Year
in descending order

115 papers	8,573 citations	66234 42 h-index	48187 88 g-index
119 all docs	119 docs citations	119 times ranked	8314 citing authors

#	Article	IF	Citations
1	Domain-selective small-molecule inhibitor of histone deacetylase 6 (HDAC6)-mediated tubulin deacetylation. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 4389-4394.	3.3	980
2	Deacetylase Enzymes. Chemistry and Biology, 2002, 9, 3-16.	6.2	513
3	Self-Assembled Monolayers of Alkylphosphonic Acids on Metal Oxides. Langmuir, 1996, 12, 6429-6435.	1.6	501
4	Identification of a Class of Small Molecule Inhibitors of the Sirtuin Family of NAD-dependent Deacetylases by Phenotypic Screening. Journal of Biological Chemistry, 2001, 276, 38837-38843.	1.6	482
5	Sociogenomics: social life in molecular terms. Nature Reviews Genetics, 2005, 6, 257-270.	7.7	398
6	Bee nutrition and floral resource restoration. Current Opinion in Insect Science, 2015, 10, 133-141.	2.2	318
7	Pheromone-mediated gene expression in the honey bee brain. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 14519-14525.	3.3	293
8	Macronutrient ratios in pollen shape bumble bee (Bombus impatiens) foraging strategies and floral preferences. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4035-42.	3.3	262
9	Genomeâ€wide analysis reveals differences in brain gene expression patterns associated with caste and reproductive status in honey bees (Apis mellifera). Molecular Ecology, 2007, 16, 4837-4848.	2.0	191
10	Bee Viruses: Ecology, Pathogenicity, and Impacts. Annual Review of Entomology, 2019, 64, 205-226.	5.7	180
11	Genomic analysis of the interaction between pesticide exposure and nutrition in honey bees (Apis) Tj ETQq1 1 0.784314 rgBT /Overlo	0.9	158
12	Parallel Epigenomic and Transcriptomic Responses to Viral Infection in Honey Bees (Apis mellifera). PLoS Pathogens, 2015, 11, e1004713.	2.1	145
13	Calcium Regulates Transcriptional Repression of Myocyte Enhancer Factor 2 by Histone Deacetylase 4. Journal of Biological Chemistry, 2000, 275, 22563-22567.	1.6	144
14	Synthesis of 7200 Small Molecules Based on a Substructural Analysis of the Histone Deacetylase Inhibitors Trichostatin and Trapoxin. Organic Letters, 2001, 3, 4239-4242.	2.4	140
15	Overwintering honey bees: biology and management. Current Opinion in Insect Science, 2015, 10, 185-193.	2.2	138
16	Pesticides and pollinators: A socioecological synthesis. Science of the Total Environment, 2019, 662, 1012-1027.	3.9	130
17	Cooperation, Conflict, and the Evolution of Queen Pheromones. Journal of Chemical Ecology, 2011, 37, 1263-1275.	0.9	123
18	Genomic analysis of post-mating changes in the honey bee queen (Apis mellifera). BMC Genomics, 2008, 9, 232.	1.2	116

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19	Evaluation of the Distribution and Impacts of Parasites, Pathogens, and Pesticides on Honey Bee (Apis) Tj ETQq1 1 0.784314 rgBT /Over	1.1	103
20	Unity in defence: honeybee workers exhibit conserved molecular responses to diverse pathogens. BMC Genomics, 2017, 18, 207.	1.2	100
21	Effects of immunostimulation on social behavior, chemical communication and genome-wide gene expression in honey bee workers (Apis mellifera). BMC Genomics, 2012, 13, 558.	1.2	97
22	Conservation and modification of genetic and physiological toolkits underpinning diapause in bumble bee queens. Molecular Ecology, 2015, 24, 5596-5615.	2.0	95
23	Effects of Insemination Quantity on Honey Bee Queen Physiology. PLoS ONE, 2007, 2, e980.	1.1	95
24	Orderâ^'Disorder Transitions in Self-Assembled Monolayers:Â A13C Solid-State NMR Study. Langmuir, 1997, 13, 115-118.	1.6	87
25	Exploring the role of juvenile hormone and vitellogenin in reproduction and social behavior in bumble bees. BMC Evolutionary Biology, 2014, 14, 45.	3.2	87
26	Non-Target Effects of Green Fluorescent Protein (GFP)-Derived Double-Stranded RNA (dsRNA-GFP) Used in Honey Bee RNA Interference (RNAi) Assays. Insects, 2013, 4, 90-103.	1.0	85
27	Shared genes related to aggression, rather than chemical communication, are associated with reproductive dominance in paper wasps (Polistes metricus). BMC Genomics, 2014, 15, 75.	1.2	82
28	County-level analysis reveals a rapidly shifting landscape of insecticide hazard to honey bees (Apis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	79
29	The Physiological and Genomic Bases of Bumble Bee Social Behaviour. Advances in Insect Physiology, 2015, 48, 37-93.	1.1	71
30	Testing the kinship theory of intragenomic conflict in honey bees (Apis mellifera). Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1020-1025.	3.3	69
31	Endocrine modulation of a pheromone-responsive gene in the honey bee brain. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2007, 193, 461-470.	0.7	68
32	Queen reproductive state modulates pheromone production and queen-worker interactions in honeybees. Behavioral Ecology, 2009, 20, 1007-1014.	1.0	67
33	Pheromonal regulation of starvation resistance in honey bee workers (Apis mellifera). Die Naturwissenschaften, 2008, 95, 723-729.	0.6	64
34	Consistent pollen nutritional intake drives bumble bee (Bombus impatiens) colony growth and reproduction across different habitats. Ecology and Evolution, 2018, 8, 5765-5776.	0.8	63
35	Investigating the viral ecology of global bee communities with high-throughput metagenomics. Scientific Reports, 2018, 8, 8879.	1.6	58
36	Silencing the Honey Bee (Apis mellifera) Naked Cuticle Gene (nkd) Improves Host Immune Function and Reduces Nosema ceranae Infections. Applied and Environmental Microbiology, 2016, 82, 6779-6787.	1.4	57

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37	Regulation of behaviorally associated gene networks in worker honey bee ovaries. Journal of Experimental Biology, 2012, 215, 124-134.	0.8	55
38	Economic Dependence and Vulnerability of United States Agricultural Sector on Insect-Mediated Pollination Service. Environmental Science & Technology, 2021, 55, 2243-2253.	4.6	55
39	Individual Variation in Pheromone Response Correlates with Reproductive Traits and Brain Gene Expression in Worker Honey Bees. PLoS ONE, 2010, 5, e9116.	1.1	54
40	Haemolymph removal by Varroa mite destabilizes the dynamical interaction between immune effectors and virus in bees, as predicted by Volterra's model. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190331.	1.2	53
41	The transcription factor KrÃ¼ppel homolog 1is linked to hormone mediated social organization in bees. BMC Evolutionary Biology, 2010, 10, 120.	3.2	52
42	Roles ofDrosophila Kruppel-homolog 1 in neuronal morphogenesis. Developmental Neurobiology, 2007, 67, 1614-1626.	1.5	51
43	Elucidating the mechanisms underlying the beneficial health effects of dietary pollen on honey bees (Apis mellifera) infested by Varroa mite ectoparasites. Scientific Reports, 2017, 7, 6258.	1.6	48
44	Wild bees as winners and losers: Relative impacts of landscape composition, quality, and climate. Global Change Biology, 2021, 27, 1250-1265.	4.2	48
45	Neuropeptide signaling sequences identified by pyrosequencing of the American dog tick synganglion transcriptome during blood feeding and reproduction. Insect Biochemistry and Molecular Biology, 2010, 40, 79-90.	1.2	47
46	Molecular and social regulation of worker division of labour in fire ants. Molecular Ecology, 2014, 23, 660-672.	2.0	46
47	Bumble bees in landscapes with abundant floral resources have lower pathogen loads. Scientific Reports, 2020, 10, 22306.	1.6	46
48	From molecules to societies: mechanisms regulating swarming behavior in honey bees (Apis spp.). Apidologie, 2014, 45, 327-346.	0.9	43
49	A survey of DNA methylation across social insect species, life stages, and castes reveals abundant and caste-associated methylation in a primitively social wasp. Die Naturwissenschaften, 2013, 100, 795-799.	0.6	42
50	The power and promise of applying genomics to honey bee health. Current Opinion in Insect Science, 2015, 10, 124-132.	2.2	42
51	Chemical communication is not sufficient to explain reproductive inhibition in the bumblebee Bombus impatiens. Royal Society Open Science, 2016, 3, 160576.	1.1	41
52	Precocene-I inhibits juvenile hormone biosynthesis, ovarian activation, aggression and alters sterility signal production in bumble bee (Bombus terrestris) workers. Journal of Experimental Biology, 2014, 217, 3178-85.	0.8	40
53	A conserved class of queen pheromones? Re-evaluating the evidence in bumblebees (Bombus impatiens) Tj ETQq1 1 0.784314 rgBT /	1.2	40
54	Genome-wide analysis of signatures of selection in populations of African honey bees (Apis mellifera) using new web-based tools. BMC Genomics, 2015, 16, 518.	1.2	38

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55	Effects of honey bee (Apis mellifera L.) queen insemination volume on worker behavior and physiology. Journal of Insect Physiology, 2012, 58, 1082-1089.	0.9	35
56	Sociogenomics of Cooperation and Conflict during Colony Founding in the Fire Ant Solenopsis invicta. PLoS Genetics, 2013, 9, e1003633.	1.5	35
57	Approaches and Challenges to ManagingNosema(Microspora: Nosematidae) Parasites in Honey Bee (Hymenoptera: Apidae) Colonies. Journal of Economic Entomology, 2016, 109, 1487-1503.	0.8	35
58	Transcriptional signatures of parasitization and markers of colony decline in Varroa-infested honey bees (Apis mellifera). Insect Biochemistry and Molecular Biology, 2017, 87, 1-13.	1.2	35
59	Evaluating the molecular, physiological and behavioral impacts of CO2 narcosis in bumble bees (Bombus impatiens). Journal of Insect Physiology, 2017, 101, 57-65.	0.9	35
60	Colony Size, Rather Than Geographic Origin of Stocks, Predicts Overwintering Success in Honey Bees (Hymenoptera: Apidae) in the Northeastern United States. Journal of Economic Entomology, 2019, 112, 525-533.	0.8	34
61	Genomic analysis of the interactions between social environment and social communication systems in honey bees (Apis mellifera). Insect Biochemistry and Molecular Biology, 2014, 47, 36-45.	1.2	32
62	Improving bee health through genomics. Nature Reviews Genetics, 2020, 21, 277-291.	7.7	32
63	Pollen protein and lipid content influence resilience to insecticides in honey bees (Apis) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	0.8	32
64	Uncoupling primer and releaser responses to pheromone in honey bees. Die Naturwissenschaften, 2007, 94, 375-379.	0.6	31
65	Effects of Instrumental Insemination and Insemination Quantity on Dufourâ€™s Gland Chemical Profiles and Vitellogenin Expression in Honey Bee Queens (Apis mellifera). Journal of Chemical Ecology, 2011, 37, 1027-1036.	0.9	31
66	Chemical Profiles of Two Pheromone Glands Are Differentially Regulated by Distinct Mating Factors in Honey Bee Queens (Apis mellifera L.). PLoS ONE, 2013, 8, e78637.	1.1	31
67	Bee community preference for an invasive thistle associated with higher pollen protein content. Oecologia, 2019, 190, 901-912.	0.9	31
68	Characterizing the floral resources of a North American metropolis using a honey bee foraging assay. Ecosphere, 2020, 11, e03102.	1.0	31
69	Host plant driven transcriptome plasticity in the salivary glands of the cabbage looper (Trichoplusia) Tj ETQq1 1 0.784314 rgBT /Overl	1.1	30
70	Neurophysiological mechanisms underlying sex- and maturation-related variation in pheromone responses in honey bees (Apis mellifera). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2015, 201, 731-739.	0.7	28
71	Transcriptomics of an extended phenotype: parasite manipulation of wasp social behaviour shifts expression of caste-related genes. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170029.	1.2	27
72	Presence of Apis Rhabdovirus-1 in Populations of Pollinators and Their Parasites from Two Continents. Frontiers in Microbiology, 2017, 8, 2482.	1.5	27

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73	The energetic basis of behavior: bridging behavioral ecology and neuroscience. Current Opinion in Behavioral Sciences, 2015, 6, 19-27.	2.0	26
74	Me and we: the interplay between individual and group behavioral variation in social collectives. Current Opinion in Insect Science, 2014, 5, 16-24.	2.2	25
75	Dynamic changes in hostâ€“virus interactions associated with colony founding and social environment in fire ant queens (Solenopsis invicta). Ecology and Evolution, 2016, 6, 233-244.	0.8	23
76	Evaluating the Role of Drone-Produced Chemical Signals in Mediating Social Interactions in Honey Bees (Apis mellifera). Journal of Chemical Ecology, 2018, 44, 1-8.	0.9	23
77	Examining the nutritional value and effects of different floral resources in pumpkin agroecosystems on Bombus impatiens worker physiology. Apidologie, 2019, 50, 542-552.	0.9	23
78	Do Bumble Bee, Bombus impatiens, Queens Signal their Reproductive and Mating Status to their Workers?. Journal of Chemical Ecology, 2017, 43, 563-572.	0.9	21
79	Bumble bees exhibit daily behavioral patterns in pollen foraging. Arthropod-Plant Interactions, 2014, 8, 273.	0.5	20
80	Reproductive physiology mediates honey bee (Apis mellifera) worker responses to social cues. Behavioral Ecology and Sociobiology, 2015, 69, 1511-1518.	0.6	19
81	Testing male immunocompetence in two hymenopterans with different levels of social organization: â€˜live hard, die young?â€™. Biological Journal of the Linnean Society, 2015, 114, 274-278.	0.7	19
82	Examining the â€œevolution of increased competitive abilityâ€•hypothesis in response to parasites and pathogens in the invasive paper wasp Polistes dominula. Die Naturwissenschaften, 2013, 100, 219-228.	0.6	18
83	Honey bee (Apis mellifera) larval pheromones may regulate gene expression related to foraging task specialization. BMC Genomics, 2019, 20, 592.	1.2	18
84	Lineage and Parent-of-Origin Effects in DNA Methylation of Honey Bees (Apis mellifera) Revealed by Reciprocal Crosses and Whole-Genome Bisulfite Sequencing. Genome Biology and Evolution, 2020, 12, 1482-1492.	1.1	16
85	Pollinator communities vary with vegetation structure and time since management within regenerating timber harvests of the Central Appalachian Mountains. Forest Ecology and Management, 2021, 496, 119373.	1.4	16
86	cGMP modulates responses to queen mandibular pheromone in worker honey bees. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2011, 197, 939-948.	0.7	15
87	Primer effects of the honeybee, Apis mellifera, queen pheromone 9-ODA on drones. Animal Behaviour, 2017, 127, 271-279.	0.8	15
88	Honey Bees in the Tropics Show Winter Bee-Like Longevity in Response to Seasonal Dearth and Brood Reduction. Frontiers in Ecology and Evolution, 2020, 8, .	1.1	15
89	Effects of queen mandibular pheromone on nestmate recognition in worker honeybees, Apis mellifera. Animal Behaviour, 2010, 79, 649-656.	0.8	14
90	The impact of hive type on the behavior and health of honey bee colonies (Apis mellifera) in Kenya. Apidologie, 2017, 48, 703-715.	0.9	13

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91	Age and Mating Status Do Not Affect Transcript Levels of Odorant Receptor Genes in Male Antennae of Heliothis virescens and Heliothis subflexa. Journal of Chemical Ecology, 2010, 36, 1226-1233.	0.9	12
92	EXAMINING THE ROLE OF foraging AND malvolio IN HOSTâ€FINDING BEHAVIOR IN THE HONEY BEE PARASITE, Varroa destructor (ANDERSON & TRUEMAN). Archives of Insect Biochemistry and Physiology, 2014, 85, 61-75.	0.6	11
93	Larval pheromones act as colony-wide regulators of collective foraging behavior in honeybees. Behavioral Ecology, 2018, 29, 1132-1141.	1.0	11
94	Warming Increases Pollen Lipid Concentration in an Invasive Thistle, with Minor Effects on the Associated Floral-Visitor Community. Insects, 2020, 11, 20.	1.0	11
95	Tissueâ€specific transcriptional patterns underlie seasonal phenotypes in honey bees (Apis mellifera). Molecular Ecology, 2021, , .	2.0	11
96	Soil moisture affects plantâ€“pollinator interactions in an annual flowering plant. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20210423.	1.8	10
97	Injection of seminal fluid into the hemocoel of honey bee queens (Apis mellifera) can stimulate post-mating changes. Scientific Reports, 2020, 10, 11990.	1.6	9
98	Distribution of recently identified bee-infecting viruses in managed honey bee (Apis mellifera) populations in the USA. Apidologie, 2020, 51, 736-745.	0.9	9
99	A long-term dataset on wild bee abundance in Mid-Atlantic United States. Scientific Data, 2020, 7, 240.	2.4	8
100	Simulated vector transmission differentially influences dynamics of two viral variants of deformed wing virus in honey bees (Apis mellifera). Journal of General Virology, 2021, 102, .	1.3	8
101	Evaluation of Possible Proximate Mechanisms Underlying the Kinship Theory of Intragenomic Conflict in Social Insects. Integrative and Comparative Biology, 2016, 56, 1206-1214.	0.9	7
102	Plant reproductive strategies vary under low and high pollinator densities. Oikos, 2018, 127, 1081-1094.	1.2	7
103	Tissueâ€specific transcription patterns support the kinship theory of intragenomic conflict in honey bees (Apis mellifera). Molecular Ecology, 2021, 30, 1029-1041.	2.0	7
104	Microhabitats created by log landings support abundant flowers and insect pollinators within regenerating mixed-oak stands in the Central Appalachian Mountains. Forest Ecology and Management, 2021, 497, 119472.	1.4	7
105	Molecular, physiological and behavioral responses of honey bee (Apis mellifera) drones to infection with microsporidian parasites. Journal of Invertebrate Pathology, 2018, 155, 14-24.	1.5	6
106	Wild Bee Nutritional Ecology: Integrative Strategies to Assess Foraging Preferences and Nutritional Requirements. Frontiers in Sustainable Food Systems, 2022, 6, .	1.8	6
107	Queen-produced volatiles change dynamically during reproductive swarming and are associated with changes in honey bee (Apis mellifera) worker behavior. Apidologie, 2015, 46, 679-690.	0.9	5
108	Singing in the suburbs: point count surveys efficiently reveal habitat associations for nocturnal Orthoptera across an urban-to-rural gradient. Journal of Insect Conservation, 2020, 24, 1031-1043.	0.8	5

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109	Beescape: Characterizing user needs for environmental decision support in beekeeping. Ecological Informatics, 2021, 64, 101366.	2.3	5
110	Editorial Overview: Social insects: From the lab to the landscape - translational approaches to pollinator health. Current Opinion in Insect Science, 2015, 10, vii-ix.	2.2	3
111	Hormonal Regulation of Behavioral and Phenotypic Plasticity inÂBumblebees. , 2017, , 453-464.		3
112	The importance of holistically evaluating data: a comment on Holman. Behavioral Ecology, 0, , .	1.0	2
113	Evaluating the Effect of Honey Bee (Apis mellifera) Queen Reproductive State on Pheromone-Mediated Interactions with Male Drone Bees. Journal of Chemical Ecology, 2019, 45, 588-597.	0.9	2
114	The Fundamental Role of Aggression and Conflict in the Evolution and Organization of Social Groups. , 2021, , 212-233.		2
115	The Beneficial Effect of Pollen on Varroa Infested Bees Depends on Its Influence on Behavioral Maturation Genes. Frontiers in Insect Science, 2022, 2, .	0.9	2