James H Cane

List of Publications by Year
in descending order

99 papers	8,900 citations	136950 32 h-index	48315 88 g-index
99 all docs	99 docs citations	99 times ranked	6889 citing authors

#	Article	IF	Citations
1	Importance of pollinators in changing landscapes for world crops. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 303-313.	2.6	4,383
2	WHAT GOVERNS PROTEIN CONTENT OF POLLEN: POLLINATOR PREFERENCES, POLLENâ€“PISTIL INTERACTIONS, OR PHYLOGENY?. Ecological Monographs, 2000, 70, 617-643.	5.4	353
3	Complex Responses Within A Desert Bee Guild (Hymenoptera: Apiformes) To Urban Habitat Fragmentation. , 2006, 16, 632-644.		289
4	Floral Resource Utilization by Solitary Bees (Hymenoptera: Apoidea) and Exploitation of Their Stored Foods by Natural Enemies. Annual Review of Entomology, 1996, 41, 257-286.	11.8	252
5	The Alfalfa Leafcutting Bee,<i>Megachile rotundata</i>: The World's Most Intensively Managed Solitary Bee. Annual Review of Entomology, 2011, 56, 221-237.	11.8	251
6	Detecting Insect Pollinator Declines on Regional and Global Scales. Conservation Biology, 2013, 27, 113-120.	4.7	178
7	Habitat Fragmentation and Native Bees: a Premature Verdict?. Ecology and Society, 2001, 5, .	0.9	154
8	The effect of pollen protein concentration on body size in the sweat bee Lasioglossum zephyrum (Hymenoptera: Apiformes). Evolutionary Ecology, 2002, 16, 49-65.	1.2	142
9	Substrates and Materials Used for Nesting by North American <I>Osmia</I> Bees (Hymenoptera:) Tj ETQq1 1 0.784314 rgBT /Overloc	2.5	131
10	Bees assess pollen returns while sonicating Solanum flowers. Oecologia, 1989, 81, 289-294.	2.0	128
11	Causes and Extent of Declines among Native North American Invertebrate Pollinators: Detection, Evidence, and Consequences. Ecology and Society, 2001, 5, .	0.9	109
12	Predicted fates of ground-nesting bees in soil heated by wildfire: Thermal tolerances of life stages and a survey of nesting depths. Biological Conservation, 2011, 144, 2631-2636.	4.1	108
13	Gauging the Effect of Honey Bee Pollen Collection on Native Bee Communities. Conservation Letters, 2017, 10, 205-210.	5.7	107
14	Crop domestication facilitated rapid geographical expansion of a specialist pollinator, the squash bee<i>Peponapis pruinosa</i>. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160443.	2.6	94
15	Pollen nutritional content and digestibility for animals. , 2000, , 187-209.		94
16	Regional, Annual, and Seasonal Variation in Pollinator Guilds: Intrinsic Traits of Bees (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Entomological Society of America, 1993, 86, 577-588.	2.5	93
17	Dufour's gland secretion in the cell linings of bees (Hymenoptera: Apoidea). Journal of Chemical Ecology, 1981, 7, 403-410.	1.8	91
18	Doseâ€response relationships between pollination and fruiting refine pollinator comparisons for cranberry (<i>Vaccinium macrocarpon</i> [Ericaceae]). American Journal of Botany, 2003, 90, 1425-1432.	1.7	85

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19	A native ground-nesting bee (<i>Nomia melanderi</i>) sustainably managed to pollinate alfalfa across an intensively agricultural landscape. Apidologie, 2008, 39, 315-323.	2.0	83
20	Foraging Ecology of the Bee Habropoda laboriosa (Hymenoptera: Anthophoridae), an Oligolege of Blueberries (Ericaceae: Vaccinium) in the Southeastern United States1. Annals of the Entomological Society of America, 1988, 81, 419-427.	2.5	82
21	Pollinating Bees (Hymenoptera: Apiformes) of U.S. Alfalfa Compared for Rates of Pod and Seed Set. Journal of Economic Entomology, 2002, 95, 22-27.	1.8	80
22	Foraging, Grooming and Mate-seeking Behaviors of Macropis nuda (Hymenoptera, Melittidae) and Use of Lysimachia ciliata (Primulaceae) Oils in Larval Provisions and Cell Linings. American Midland Naturalist, 1983, 110, 257.	0.4	75
23	Spatial predictability and resource specialization of bees (Hymenoptera: Apoidea) at a superabundant, widespread resource. Biological Journal of the Linnean Society, 1999, 67, 119-147.	1.6	74
24	Pollination Efficiencies of Three Bee (Hymenoptera: Apoidea) Species Visiting Rabbiteye Blueberry. Journal of Economic Entomology, 2000, 93, 1726-1731.	1.8	64
25	Adult pollen diet essential for egg maturation by a solitary Osmia bee. Journal of Insect Physiology, 2016, 95, 105-109.	2.0	60
26	Pollination Potential of the Bee Osmia aglaia for Cultivated Red Raspberries and Blackberries (Rubus:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 1705-1708.	1.0	54
27	5. Bees, Pollination, and the Challenges of Sprawl. , 2005, , 109-124.		53
28	Pollination Value of Male Bees: The Specialist Bee<i>Peponapis pruinosa</i>(Apidae) at Summer Squash (<i>Cucurbita pepo</i>). Environmental Entomology, 2011, 40, 614-620.	1.4	51
29	Pollination, Foraging, and Nesting Ecology of the Leaf-Cutting Bee Megachile (Delomegachile) addenda (Hymenoptera: Megachilidae) on Cranberry Beds. Annals of the Entomological Society of America, 1996, 89, 361-367.	2.5	50
30	Wild bee diversity increases with local fire severity in a fireâ€prone landscape. Ecosphere, 2019, 10, e02668.	2.2	50
31	Pheromonal cues direct mate-seeking behavior of maleColletes cunicularius (Hymenoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.8	45
32	POLLINATION ECOLOGY OF VACCINIUM STAMINEUM (ERICACEAE: VACCINIOIDEAE). American Journal of Botany, 1985, 72, 135-142.	1.7	44
33	CHEMICAL EVOLUTION AND CHEMOSYSTEMATICS OF THE DUFOUR'S GLAND SECRETIONS OF THE LACTONEâ€PRODUCING BEES (HYMENOPTERA: COLLETIDAE, HALICTIDAE, AND OXAEIDAE). Evolution; International Journal of Organic Evolution, 1983, 37, 657-674.	2.3	42
34	Stridulation as a primary anti-predator defence of a beetle. Animal Behaviour, 1990, 40, 1003-1004.	1.9	38
35	Temporally persistent patterns of incidence and abundance in a pollinator guild at annual and decadal scales: the bees of Larrea tridentata. Biological Journal of the Linnean Society, 2005, 85, 319-329.	1.6	36
36	Nectar and pollen sugars constituting larval provisions of the alfalfa leaf-cutting bee (Megachile) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	2.0	32

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37	Timing and size of daily pollen meals eaten by adult females of a solitary bee (Nomia melanderi) (Apiformes: Halictidae). Apidologie, 2017, 48, 17-30.	2.0	32
38	A comparative study of the exocrine products of cleptoparasitic bees (Holcopasites) and their hosts (Calliopsis) (Hymenoptera: Anthophoridae, Andrenidae). Journal of Chemical Ecology, 1982, 8, 1389-1397.	1.8	31
39	Impact of enhanced ultravioletâ€B radiation on flower, pollen, and nectar production. American Journal of Botany, 1999, 86, 108-114.	1.7	30
40	A Review of Research Needs for Pollinators in Managed Conifer Forests. Journal of Forestry, 2018, 116, 563-572.	1.0	29
41	Ancestral semiochemical attraction persists for adjoining populations of siblingIps bark beetles (Coleoptera: Scolytidae). Journal of Chemical Ecology, 1990, 16, 993-1013.	1.8	27
42	Olfactory evaluation of Andrena host nest suitability by kleptoparasitic Nomada bees (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.9	26
43	Breeding biologies, seed production and speciesâ€rich bee guilds of <i>Cleome lutea</i> and <i>Cleome serrulata</i> (Cleomaceae). Plant Species Biology, 2008, 23, 152-158.	1.0	26
44	Preliminary Chemosystematics of the Andrenidae and Exocrine Lipid Evolution of the Short-tongued Bees (Hymenoptera: Apoidea). Systematic Zoology, 1983, 32, 417.	1.6	25
45	Pollinator genetics and pollination: do honey bee colonies selected for pollen-hoarding field better pollinators of cranberryVaccinium macrocarpon?. Ecological Entomology, 2001, 26, 117-123.	2.2	25
46	Landscaping pebbles attract nesting by the native ground-nesting bee Halictus rubicundus (Hymenoptera: Halictidae). Apidologie, 2015, 46, 728-734.	2.0	25
47	Floral Guilds of Bees in Sagebrush Steppe: Comparing Bee Usage of Wildflowers Available for Postfire Restoration. Natural Areas Journal, 2016, 36, 377-391.	0.5	25
48	Chemistry and function of mandibular gland products of bees of the genusExoneura (Hymenoptera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.8	24
49	Limited direct effects of a massive wildfire on its sagebrush steppe bee community. Ecological Entomology, 2016, 41, 317-326.	2.2	24
50	Novel pollen-harvesting behavior by the beeProtandrena mexicanorum (Hymenoptera: Andrenidae). Journal of Insect Behavior, 1989, 2, 431-436.	0.7	23
51	Chemical Evolution and Chemosystematics of the Dufour's Gland Secretions of the Lactone-Producing Bees (Hymenoptera: Colletidae, Halictidae, and Oxaeidae). Evolution; International Journal of Organic Evolution, 1983, 37, 657.	2.3	22
52	Phylogenetic relationships of Ips bark beetles (Coleoptera:Scolytidae): Electrophoretic and morphometric analyses of the grandicollis group. Biochemical Systematics and Ecology, 1990, 18, 359-368.	1.3	22
53	A brief review of monolecty in bees and benefits of a broadened definition. Apidologie, 2021, 52, 17-22.	2.0	21
54	Salvage logging reduces wild bee diversity, but not abundance, in severely burned mixed-conifer forest. Forest Ecology and Management, 2019, 453, 117622.	3.2	19

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55	An Evaluation of Pollination Mechanisms for Purple Prairie-clover, Dalea purpurea (Fabaceae:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	0.4	18
56	Comparative Pollination Efficacies of Five Bee Species on Raspberry. Journal of Economic Entomology, 2018, 111, 2513-2519.	1.8	18
57	What Governs Protein Content of Pollen: Pollinator Preferences, Pollen-Pistil Interactions, or Phylogeny?. Ecological Monographs, 2000, 70, 617.	5.4	17
58	Breeding Biology of the Threadstalk Milkvetch, Astragalus filipes (Fabaceae), with a Review of the Genus. American Midland Naturalist, 2011, 165, 225-240.	0.4	17
59	Visiting bees of Cucurbita flowers (Cucurbitaceae) with emphasis on the presence of Peponapis fervens Smith (Eucerni - Apidae) - Santa Catarina, Southern Brazil. Oecologia Australis, 2010, 14, 128-139.	0.2	17
60	Predator deterrence by mandibular gland secretions of bees (Hymenoptera: Apoidea). Journal of Chemical Ecology, 1986, 12, 1295-1309.	1.8	15
61	Screenhouse Evaluations of a Mason BeeOsmia ribifloris(Hymenoptera: Megachilidae) as a Pollinator for Blueberries in the Southeastern United States. International Journal of Fruit Science, 2004, 3, 381-392.	0.2	14
62	Reproductive Role of Sterile Pollen in Saurauia (Actinidiaceae), a Cryptically Dioecious Neotropical Tree. Biotropica, 1993, 25, 493.	1.6	13
63	Specialist Osmia bees forage indiscriminately among hybridizing Balsamorhiza floral hosts. Oecologia, 2011, 167, 107-116.	2.0	13
64	Specialist bees collect Asteraceae pollen by distinctive abdominal drumming (Osmia) or tapping (Melissodes, Svastra). Arthropod-Plant Interactions, 2017, 11, 257-261.	1.1	13
65	Global Warming, Advancing Bloom and Evidence for Pollinator Plasticity from Long-Term Bee Emergence Monitoring. Insects, 2021, 12, 457.	2.2	13
66	Behavioral Observations of Noncalling Males in Costa Rican Hyla ebraccata. Biotropica, 1980, 12, 225.	1.6	12
67	Attraction of pinyon pine bark beetle,Ips hoppingi, to conspecific andI. confusus pheromones (Coleoptera: Scolytidae). Journal of Chemical Ecology, 1990, 16, 2791-2798.	1.8	12
68	Inefficacy of Courtship Stridulation as a Premating Ethological Barrier for Ips Bark Beetles (Coleoptera: Scolytidae). Annals of the Entomological Society of America, 1992, 85, 517-524.	2.5	12
69	Nectar Production of Cranberries: Genotypic Differences and Insensitivity to Soil Fertility. Journal of the American Society for Horticultural Science, 1997, 122, 665-667.	1.0	12
70	Pollination Ecology of Vaccinium stamineum (Ericaceae: Vaccinioideae). American Journal of Botany, 1985, 72, 135.	1.7	12
71	The oligolectic bee Osmia brevis sonicates Penstemon flowers for pollen: a newly documented behavior for the Megachilidae. Apidologie, 2014, 45, 678-684.	2.0	11
72	Progeny of Osmia lignaria from distinct regions differ in developmental phenology and survival under a common thermal regime. Journal of Insect Physiology, 2014, 67, 9-19.	2.0	11

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73	PHEROMONAL SPECIFICITY OF SOUTHEASTERN IPS PINE BARK BEETLES REFLECTS PHYLOGENETIC DIVERGENCE (COLEOPTERA: SCOLYTIDAE). Canadian Entomologist, 1990, 122, 1235-1238.	0.8	10
74	Co-dependency between a specialist Andrena bee and its death camas host, Toxicoscordion paniculatum. Arthropod-Plant Interactions, 2018, 12, 657-662.	1.1	10
75	Dufour's gland triglycerides from Anthophora, emphoropsis (Anthophoridae) and Megachile (Megachilidae) bees (Hymenoptera: Apoidea). Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1984, 78, 769-772.	0.2	9
76	Meeting Wild Beesâ€™ Needs on Western US Rangelands. Rangelands, 2011, 33, 27-32.	1.9	9
77	Sensitivity of Systematic Net Sampling for Detecting Shifting Patterns of Incidence and Abundance in a Floral Guild of Bees at<i>Larrea tridentata</i>. Journal of the Kansas Entomological Society, 2013, 86, 171-180.	0.2	9
78	Survey of Hatching Spines of Bee Larvae Including Those of Apis mellifera (Hymenoptera: Apoidea). Journal of Insect Science, 2017, 17, .	1.5	9
79	Notes on the Reproductive Behavior of a Costa Rican Population of Hyla ebraccata. Copeia, 1980, 1980, 928.	1.3	8
80	SUSCEPTIBILITY OF <i>IPS CALLIGRAPHUS</i> (GERMAR) AND <i>DENDROCTONUS FRONTALIS</i> ZIMMERMANN (COLEOPTERA: SCOLYTIDAE) TO COLEOPTERAN-ACTIVE <i>BACILLUS THURINGIENSIS</i>, A <i>BACILLUS</i> METABOLITE, AND AVERMECTIN B₁. Canadian Entomologist, 1995, 127, 831-837.	0.8	8
81	Dufour's gland lipid chemistry of three species of Centris bees (hymenoptera: apoidea, anthophoridae). Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1983, 76, 895-897.	0.2	7
82	Neurotoxic alkaloid in pollen and nectar excludes generalist bees from foraging at death-camas,<i>Toxicoscordion paniculatum</i>(Melanthiaceae). Biological Journal of the Linnean Society, 2020, 131, 927-935.	1.6	7
83	Wildfire severity influences offspring sex ratio in a native solitary bee. Oecologia, 2021, 195, 65-75.	2.0	7
84	Breeding Biologies, Pollinators, and Seed Beetles of Two Prairie-Clovers,<i>Dalea ornata</i>and<i>Dalea searlsiae</i>(Fabaceae: Amorpheae), from the intermountain West, USA. Western North American Naturalist, 2012, 72, 16-20.	0.4	6
85	Generalist Bees Pollinate Red-flowered Penstemon eatonii: Duality in the Hummingbird Pollination Syndrome. American Midland Naturalist, 2014, 171, 365-370.	0.4	5
86	Hygroscopic larval provisions of bees absorb soil water vapor and release liquefied nutrients. Apidologie, 2021, 52, 1002-1016.	2.0	5
87	Breeding Biology and Bee Guild of Douglas' Dustymaiden,<i>Chaenactis douglasii</i>(Asteraceae,) Tj ETQq1 1 0.784314 rgBT /Overlo	0.4	4
88	Dung Pat Nesting by the Solitary Bee, Osmia (Acanthosmioides) integra (Megachilidae: Apiformes). Journal of the Kansas Entomological Society, 2012, 85, 262-264.	0.2	4
89	Seed-Feeding Beetles (Bruchinae, Curculionidae, Brentidae) from Legumes<i>(Dalea ornata, astragalus) Tj ETQq1 1 0.784314 rgBT /O North American Naturalist, 2013, 73, 477-484.	0.4	4
90	Two Prolonged Bee Visits Suffice to Maximize Drupelet Set for Red Raspberry. Hortscience: A Publication of the American Society for Hortcultural Science, 2018, 53, 1404-1406.	1.0	4

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91	Mortality and Flowering of Great Basin Perennial Forbs After Experimental Burning: Implications for Wild Bees. Rangeland Ecology and Management, 2019, 72, 310-317.	2.3	4
92	WHAT GOVERNS PROTEIN CONTENT OF POLLEN: POLLINATOR PREFERENCES, POLLENâ€"PISTIL INTERACTIONS, OR PHYLOGENY?. , 0, .		4
93	Field method for sampling chemicals released by active insects. Journal of Chemical Ecology, 1982, 8, 15-21.	1.8	3
94	Breeding biology and incremental benefits of outcrossing for the restoration wildflower, <i>Hedysarum boreale</i> Nutt. (Fabaceae). Plant Species Biology, 2012, 27, 138-146.	1.0	3
95	Resurrecting the Bee Osmia aglaia Sandhouse from Synonymy (Hymenoptera: Apiformes: Megachilidae). Journal of the Kansas Entomological Society, 2009, 82, 43-45.	0.2	0
96	Meeting Wild Beesâ€™ Needs on Western US Rangelands. Rangelands, 2011, 33, .	1.9	0
97	Scientific note: cavity-nesting Osmia bruneri bees (Megachilidae) can use fruit pulp for nest construction. Apidologie, 2019, 50, 100-103.	2.0	0
98	An <scp><i>Ips</i></scp> bark beetle tracks late <scp>Holocene</scp> range extension of its pinyon pine host. Ecology, 2022, 103, e3638.	3.2	0
99	Bees. , 2004, , 256-267.		0