John J Beck

List of Publications by Year in Descending Order

60 papers	1,174 citations	20 h-index	32 g-index
66 ext. papers	1,468 ext. citations	3.8 avg, IF	4.81 L-index

#	Paper	IF	Citations
60	Pollen and yeast change nectar aroma and nutritional content alone and together, but honey bee foraging reflects only the avoidance of yeast. *Environmental Microbiology*, **2021**, 23, 4141-4150	5.2	4
59	Volatile microbial semiochemicals and insect perception at flowers. *Current Opinion in Insect Science* , **2021**, 44, 23-34	5.1	3
58	Generalized olfactory detection of floral volatiles in the highly specialized Greya-Lithophragma nursery pollination system. *Arthropod-Plant Interactions*, **2021**, 15, 209-221	2.2	0
57	Sampling of Volatiles in Closed Systems: A Controlled Comparison of Three Solventless Volatile Collection Methods. *Journal of Chemical Ecology*, **2021**, 47, 930-940	2.7	0
56	Zea mays Volatiles that Influence Oviposition and Feeding Behaviors of Spodoptera frugiperda. *Journal of Chemical Ecology*, **2021**, 47, 799-809	2.7	4
55	Traps and Attractants for Monitoring Navel Orangeworm (Lepidoptera: Pyralidae) in the Presence of Mating Disruption. *Journal of Economic Entomology*, **2020**, 113, 1270-1278	2.2	2
54	Microbial Co-Occurrence in Floral Nectar Affects Metabolites and Attractiveness to a Generalist Pollinator. *Journal of Chemical Ecology*, **2020**, 46, 659-667	2.7	14
53	Compounds Associated with Infection by the Root-Knot Nematode, , Influence the Ability of Infective Juveniles to Recognize Host Plants. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 9100-9109	5.7	5
52	Guidelines for unequivocal structural identification of compounds with biological activity of significance in food chemistry (IUPAC Technical Report). *Pure and Applied Chemistry*, **2019**, 91, 1417-1437	2.1	4
51	Microbial metabolites elicit distinct olfactory and gustatory preferences in bumblebees. *Biology Letters*, **2019**, 15, 20190132	3.6	20
50	DISPERSAL OF SPICEBUSH (CALYCANTHUS OCCIDENTALIS, CALYCANTHACEAE) BY YELLOW JACKETS (GENUS VESPULA; HYMENOPTERA: VESPIDAE). *Madro�*, **2019**, 66, 41	0.4	2
49	Nectar-inhabiting microorganisms influence nectar volatile composition and attractiveness to a generalist pollinator. *New Phytologist*, **2018**, 220, 750-759	9.8	95
48	Cucumber and Tomato Volatiles: Influence on Attraction in the Melon Fly Zeugodacus cucurbitate (Diptera: Tephritidae). *Journal of Agricultural and Food Chemistry*, **2018**, 66, 8504-8513	5.7	9
47	Application of Mathematical Models and Computation in Plant Metabolomics **2018**, 231-254		2
46	Interactions Among Plants, Insects, and Microbes: Elucidation of Inter-Organismal Chemical Communications in Agricultural Ecology. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 6663-6674	5.7	28
45	Quantitative Assessment of Nectar Microbe-Produced Volatiles. *ACS Symposium Series*, **2018**, 127-142	0.4	3
44	Elicitation of Differential Responses in the Root-Knot Nematode Meloidogyne incognita to Tomato Root Exudate Cytokinin, Flavonoids, and Alkaloids. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 11291-11300	5.7	26

43	Identification of Glutamic Acid as a Host Marking Pheromone of the African Fruit Fly Species Ceratitis rosa (Diptera: Tephritidae). *Journal of Agricultural and Food Chemistry*, **2018**, 66, 9933-9941	5.7	1
42	Investigating Host Plant-Based Semiochemicals for Attracting the Leaffooted Bug (Hemiptera: Coreidae), an Insect Pest of California Agriculture. *ACS Symposium Series*, **2018**, 143-165	0.4	0
41	Identification of Key Root Volatiles Signaling Preference of Tomato over Spinach by the Root Knot Nematode Meloidogyne incognita. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 7328-7336	5.7	23
40	Silo-Stored Pistachios at Varying Humidity Levels Produce Distinct Volatile Biomarkers. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 551-556	5.7	4
39	Identification of the Ubiquitous Antioxidant Tripeptide Glutathione as a Fruit Fly Semiochemical. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 8560-8568	5.7	8
38	Harnessing Insect-Microbe Chemical Communications To Control Insect Pests of Agricultural Systems. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 23-28	5.7	34
37	Differentiation of Volatile Profiles from Stockpiled Almonds at Varying Relative Humidity Levels Using Benchtop and Portable GC-MS. *Journal of Agricultural and Food Chemistry*, **2016**, 64, 9286-9292	5.7	12
36	Comparison of ex situ volatile emissions from intact and mechanically damaged walnuts. *Food Research International*, **2015**, 72, 198-207	7	7
35	Duration of emission of volatile organic compounds from mechanically damaged plant leaves. *Journal of Plant Physiology*, **2015**, 188, 19-28	3.6	6
34	In-field Volatile Analysis Employing a Hand-held Portable GC-MS: Emission Profiles Differentiate Damaged and Undamaged Yellow Starthistle Flower Heads. *Phytochemical Analysis*, **2015**, 26, 395-403	3.4	22
33	In-field yellow starthistle (Centaurea solstitialis) volatile composition under elevated temperature and CO_2 and implications for future control. *Chemoecology*, **2015**, 25, 313-323	2	4
32	Plant- or Fungal-Produced Conophthorin as an Important Component of Host Plant Volatile-Based Attractants for Agricultural Lepidopteran Insect Pests. *ACS Symposium Series*, **2015**, 111-127	0.4	6
31	The major volatile compound 2-phenylethanol from the biocontrol yeast, Pichia anomala, inhibits growth and expression of aflatoxin biosynthetic genes of Aspergillus flavus. *Mycotoxin Research*, **2014**, 30, 71-8	4	96
30	Ex situ volatile survey of ground almond and pistachio hulls for emission of spiroketals: Analysis of hull fatty acid composition, water content, and water activity. *Phytochemistry Letters*, **2014**, 7, 225-230	1.9	16
29	Comparison of the volatile emission profiles of ground almond and pistachio mummies: Part 2 Critical changes in emission profiles as a result of increasing the water activity. *Phytochemistry Letters*, **2014**, 8, 220-225	1.9	8
28	Semiochemicals from ex situ abiotically stressed cactus tissue: a contributing role of fungal spores?. *Journal of Agricultural and Food Chemistry*, **2014**, 62, 12273-6	5.7	4
27	Electrophysiological responses of male and female Amyelois transitella antennae to pistachio and almond host plant volatiles. *Entomologia Experimentalis Et Applicata*, **2014**, 153, 217-230	2.1	18
26	Semiochemicals To Monitor Insect Pests Future Opportunities for an Effective Host Plant Volatile Blend To Attract Navel Orangeworm in Pistachio Orchards. *ACS Symposium Series*, **2014**, 191-210	0.4	5

25	An overview of plant volatile metabolomics, sample treatment and reporting considerations with emphasis on mechanical damage and biological control of weeds. *Phytochemical Analysis*, **2014**, 25, 331-41	3.4	19
24	Orientation behavior of predaceous ground beetle species in response to volatile emissions identified from yellow starthistle damaged by an invasive slug. *Arthropod-Plant Interactions*, **2014**, 8, 429-437	2.2	11
23	Comparison of the volatile emission profiles of ground almond and pistachio mummies: Part 1 Addressing a gap in knowledge of current attractants for navel orangeworm. *Phytochemistry Letters*, **2014**, 9, 102-106	1.9	3
22	Headspace volatiles from 52 oak species advertise induction, species identity, and evolution, but not defense. *Journal of Chemical Ecology*, **2013**, 39, 90-100	2.7	22
21	Effect of mechanical damage on emission of volatile organic compounds from plant leaves and implications for evaluation of host plant specificity of prospective biological control agents of weeds. *Biocontrol Science and Technology*, **2013**, 23, 880-907	1.7	22
20	Generation of the volatile spiroketals conophthorin and chalcogran by fungal spores on polyunsaturated fatty acids common to almonds and pistachios. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 11869-76	5.7	28
19	Addressing the complexity and diversity of agricultural plant volatiles: a call for the integration of laboratory- and field-based analyses. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 1153-7	5.7	12
18	Hull split and damaged almond volatiles attract male and female navel orangeworm moths. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 8090-6	5.7	35
17	Behavior of codling moth (Lepidoptera: Tortricidae) neonate larvae on surfaces treated with microencapsulated pear ester. *Environmental Entomology*, **2012**, 41, 603-11	2.1	11
16	Electroantennographic bioassay as a screening tool for host plant volatiles. *Journal of Visualized Experiments*, **2012**, e3931	1.6	2
15	Volatile emissions from the flea beetle Altica litigata (Coleoptera: Chrysomelidae) associated with invasive Ludwigia hexapetala. *Chemoecology*, **2011**, 21, 253-259	2	7
14	Detection of high levels of pyrrolizidine-N-oxides in the endangered plant Cryptantha crassipes (Terlingua Creek catß-eye) using HPLC-ESI-MS. *Phytochemical Analysis*, **2011**, 22, 532-40	3.4	18
13	Survey of ex situ fruit and leaf volatiles from several Pistacia cultivars grown in California. *Journal of the Science of Food and Agriculture*, **2011**, 91, 934-42	4.3	21
12	Volatile analysis of ground almonds contaminated with naturally occurring fungi. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 6180-7	5.7	27
11	Ambient orchard volatiles from California almonds. *Phytochemistry Letters*, **2011**, 4, 199-202	1.9	16
10	Characterization of microencapsulated pear ester, (2E,4Z)-ethyl-2,4-decadienoate, a kairomonal spray adjuvant against neonate codling moth larvae. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 7838-45	5.7	20
9	Essential oil yield and composition of Pistacia vera ßKermanßfruits, peduncles and leaves grown in California. *Journal of the Science of Food and Agriculture*, **2010**, 90, 664-8	4.3	16
8	In situ seasonal study of the volatile production of almonds (Prunus dulcis) var. ßNonpareilßand relationship to navel orangeworm. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 3749-53	5.7	30

7	Strain of Fusarium oxysporum isolated from almond hulls produces styrene and 7-methyl-1,3,5-cyclooctatriene as the principal volatile components. *Journal of Agricultural and Food Chemistry*, **2008**, 56, 11392-8	5.7	13
6	In situ volatile collection, analysis, and comparison of three Centaurea species and their relationship to biocontrol with herbivorous insects. *Journal of Agricultural and Food Chemistry*, **2008** , 56, 2759-64	5.7	30
5	Comparison of volatile emissions from undamaged and mechanically damaged almonds. *Journal of the Science of Food and Agriculture*, **2008**, 88, 1363-1368	4.3	33
4	Fungicidal activities of dihydroferulic acid alkyl ester analogues. *Journal of Natural Products*, **2007**, 70, 779-82	4.9	12
3	The structural diversity of phthalides from the Apiaceae. *Journal of Natural Products*, **2007**, 70, 891-900	4.9	229
2	Mechanisms in Organic Reactions By R. A. Jackson (University of Sussex). Royal Society of Chemistry, Cambridge. 2004. vi + 199 pp. 12 □24.5 cm. □14.95 (paper). ISBN 0-85404-642-9.. *Journal of Natural Products*, **2005**, 68, 1576-1577	4.9	
1	Addition of methyl thioglycolate and benzylamine to (Z)-ligustilide, a bioactive unsaturated lactone constituent of several herbal medicines. An improved synthesis of (Z)-ligustilide. *Journal of Natural Products*, **1995**, 58, 1047-55	4.9	29