Kenneth F Raffa

List of Publications by Year
in descending order

214 papers	15,021 citations	17440 63 h-index	22166 113 g-index
217 all docs	217 docs citations	217 times ranked	10826 citing authors

#	Article	IF	Citations
1	Cross-scale Drivers of Natural Disturbances Prone to Anthropogenic Amplification: The Dynamics of Bark Beetle Eruptions. BioScience, 2008, 58, 501-517.	4.9	1,410
2	The interdependence of mechanisms underlying climate-driven vegetation mortality. Trends in Ecology and Evolution, 2011, 26, 523-532.	8.7	839
3	Tree mortality from drought, insects, and their interactions in a changing climate. New Phytologist, 2015, 208, 674-683.	7.3	641
4	Census of the Bacterial Community of the Gypsy Moth Larval Midgut by Using Culturing and Culture-Independent Methods. Applied and Environmental Microbiology, 2004, 70, 293-300.	3.1	472
5	Effects of biotic disturbances on forest carbon cycling in the<scp>U</scp>nited<scp>S</scp>tates and<scp>C</scp>anada. Global Change Biology, 2012, 18, 7-34.	9.5	418
6	Midgut bacteria required for Bacillus thuringiensis insecticidal activity. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 15196-15199.	7.1	379
7	Consequences of Climate Warming and Altered Precipitation Patterns for Plant-Insect and Multitrophic Interactions. Plant Physiology, 2012, 160, 1719-1727.	4.8	279
8	Efficacy of tree defense physiology varies with bark beetle population density: a basis for positive feedback in eruptive species. Canadian Journal of Forest Research, 2011, 41, 1174-1188.	1.7	250
9	Interaction of pre-attack and induced monoterpene concentrations in host conifer defense against bark beetle-fungal complexes. Oecologia, 1995, 102, 285-295.	2.0	243
10	Mountain Pine Beetles Colonizing Historical and NaÃ¯ve Host Trees Are Associated with a Bacterial Community Highly Enriched in Genes Contributing to Terpene Metabolism. Applied and Environmental Microbiology, 2013, 79, 3468-3475.	3.1	236
11	Bacteria Associated with a Tree-Killing Insect Reduce Concentrations of Plant Defense Compounds. Journal of Chemical Ecology, 2013, 39, 1003-1006.	1.8	227
12	Landscape level analysis of mountain pine beetle in British Columbia, Canada: spatiotemporal development and spatial synchrony within the present outbreak. Ecography, 2006, 29, 427-441.	4.5	197
13	Bacteria in oral secretions of an endophytic insect inhibit antagonistic fungi. Ecological Entomology, 2006, 31, 636-645.	2.2	184
14	Physiological Differences Between Lodgepole Pines Resistant and Susceptible to the Mountain Pine Beetle 1 and Associated Microorganisms 2. Environmental Entomology, 1982, 11, 486-492.	1.4	183
15	Interacting Selective Pressures in Conifer-Bark Beetle Systems: A Basis for Reciprocal Adaptations?. American Naturalist, 1987, 129, 234-262.	2.1	182
16	Minimization of chloroplast contamination in 16S rRNA gene pyrosequencing of insect herbivore bacterial communities. Journal of Microbiological Methods, 2013, 95, 149-155.	1.6	181
17	Mixed messages across multiple trophic levels: the ecology of bark beetle chemical communication systems. Chemoecology, 2001, 11, 49-65.	1.1	171
18	Temperature-driven range expansion of an irruptive insect heightened by weakly coevolved plant defenses. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2193-2198.	7.1	169

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19	Movement of outbreak populations of mountain pine beetle: influences of spatiotemporal patterns and climate. Ecography, 2008, 31, 348-358.	4.5	166
20	Contributions of gut bacteria to Bacillus thuringiensis-induced mortality vary across a range of Lepidoptera. BMC Biology, 2009, 7, 11.	3.8	156
21	Cellulose-degrading bacteria associated with the invasive woodwasp <i>Sirex noctilio</i>. ISME Journal, 2011, 5, 1323-1331.	9.8	154
22	Tree defence and bark beetles in a drying world: carbon partitioning, functioning and modelling. New Phytologist, 2020, 225, 26-36.	7.3	144
23	Robustness of the Bacterial Community in the Cabbage White Butterfly Larval Midgut. Microbial Ecology, 2010, 59, 199-211.	2.8	142
24	From Commensal to Pathogen: Translocation of Enterococcus faecalis from the Midgut to the Hemocoel of <i>Manduca sexta</i>. MBio, 2011, 2, e00065-11.	4.1	133
25	Bark Beetle Outbreaks in Europe: State of Knowledge and Ways Forward for Management. Current Forestry Reports, 2021, 7, 138-165.	7.4	133
26	Combined chemical defenses against an insect-fungal complex. Journal of Chemical Ecology, 1996, 22, 1367-1388.	1.8	126
27	FEEDBACK BETWEEN INDIVIDUAL HOST SELECTION BEHAVIOR AND POPULATION DYNAMICS IN AN ERUPTIVE HERBIVORE. Ecological Monographs, 2004, 74, 101-116.	5.4	125
28	Effects of biotic and abiotic stress on induced accumulation of terpenes and phenolics in red pines inoculated with bark beetle-vectored fungus. Journal of Chemical Ecology, 1995, 21, 601-626.	1.8	122
29	Bacteria Associated with the Guts of Two Wood-Boring Beetles: <I>Anoplophora glabripennis</I> and <I>Saperda vestita</I> (Cerambycidae). Environmental Entomology, 2006, 35, 625-629.	1.4	121
30	BIOSYNTHESIS OF CONIFEROPHAGOUS BARK BEETLE PHEROMONES AND CONIFER ISOPRENOIDS: EVOLUTIONARY PERSPECTIVE AND SYNTHESIS. Canadian Entomologist, 2000, 132, 697-753.	0.8	120
31	ACCUMULATION OF MONOTERPENES AND ASSOCIATED VOLATILES FOLLOWING INOCULATION OF GRAND FIR WITH A FUNGUS TRANSMITTED BY THE FIR ENGRAVER, <i>SCOLYTUS VENTRALIS</i> (COLEOPTERA:) Tj ETQq1 0 0.784314 rgBT /O	1.8	119
32	Interactions Among Conifer Terpenoids and Bark Beetles Across Multiple Levels of Scale: An Attempt to Understand Links Between Population Patterns and Physiological Processes. Recent Advances in Phytochemistry, 2005, 39, 79-118.	0.5	118
33	Contrasts in Cellulolytic Activities of Gut Microorganisms Between the Wood Borer,<i>Saperda vestita</i>(Coleoptera: Cerambycidae), and the Bark Beetles,<i>Ips pini</i>and<i>Dendroctonus frontalis</i>(Coleoptera: Curculionidae). Environmental Entomology, 2005, 34, 541-547.	1.4	111
34	Acquisition and Structuring of Midgut Bacterial Communities in Gypsy Moth (Lepidoptera: Erebidae) Larvae. Environmental Entomology, 2014, 43, 595-604.	1.4	106
35	Plant-associated bacteria degrade defense chemicals and reduce their adverse effects on an insect defoliator. Oecologia, 2014, 175, 901-910.	2.0	106
36	Natural History and Ecology of Bark Beetles. , 2015, , 1-40.		105

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37	Compound effects of induced plant responses on insect herbivores and parasitoids: implications for tritrophic interactions. Ecological Entomology, 2000, 25, 171-179.	2.2	102
38	Effects of forest management practices on the diversity of ground-occurring beetles in mixed northern hardwood forests of the Great Lakes Region. Forest Ecology and Management, 2000, 139, 135-155.	3.2	98
39	Convergent Bacterial Microbiotas in the Fungal Agricultural Systems of Insects. MBio, 2014, 5, e02077.	4.1	96
40	Effect of varying monoterpene concentrations on the response of Ips pini (Coleoptera: Scolytidae) to its aggregation pheromone: implications for pest management and ecology of bark beetles. Agricultural and Forest Entomology, 2003, 5, 269-274.	1.3	95
41	Terpenes Tell Different Tales at Different Scales: Glimpses into the Chemical Ecology of Conifer - Bark Beetle - Microbial Interactions. Journal of Chemical Ecology, 2014, 40, 1-20.	1.8	94
42	Simulated climate warming alters phenological synchrony between an outbreak insect herbivore and host trees. Oecologia, 2014, 175, 1041-1049.	2.0	92
43	Evolution of Optimal Group Attack, with Particular Reference to Bark Beetles (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	3.2	91
44	Influences of Host Chemicals and Internal Physiology on the Multiple Steps of Postlanding Host Acceptance Behavior oflps pini(Coleoptera: Scolytidae). Environmental Entomology, 2000, 29, 442-453.	1.4	86
45	Genetic Engineering of Trees to Enhance Resistance to Insects. BioScience, 1989, 39, 524-534.	4.9	85
46	EFFECTS OF FOLIVORY ON SUBCORTICAL PLANT DEFENSES: CAN DEFENSE THEORIES PREDICT INTERGUILD PROCESSES?. Ecology, 2001, 82, 1387-1400.	3.2	82
47	Synergy Between Zwittermicin A and<i>Bacillus thuringiensis</i>subsp.<i>kurstaki</i>Against Gypsy Moth (Lepidoptera: Lymantriidae). Environmental Entomology, 2000, 29, 101-107.	1.4	80
48	Effects of elicitation treatment and genotypic variation on induced resistance in Populus : impacts on gypsy moth (Lepidoptera: Lymantriidae) development and feeding behavior. Oecologia, 1999, 120, 295-303.	2.0	79
49	Resident Microbiota of the Gypsy Moth Midgut Harbors Antibiotic Resistance Determinants. DNA and Cell Biology, 2009, 28, 109-117.	1.9	79
50	Chiral escape of bark beetles from predators responding to a bark beetle pheromone. Oecologia, 1989, 80, 566-569.	2.0	76
51	Rapid Induction of Multiple Terpenoid Groups by Ponderosa Pine in Response to Bark Beetle-Associated Fungi. Journal of Chemical Ecology, 2016, 42, 1-12.	1.8	76
52	Title is missing!. Journal of Chemical Ecology, 2000, 26, 2527-2548.	1.8	75
53	Modulation of predator attraction to pheromones of two prey species by stereochemistry of plant volatiles. Oecologia, 2001, 127, 444-453.	2.0	75
54	Characterization of Gut-Associated Bacteria in Larvae and Adults of the Southern Pine Beetle, Dendroctonus frontalis Zimmermann. Environmental Entomology, 2006, 35, 1710-1717.	1.4	74

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55	Responses of Bark Beetle-Associated Bacteria to Host Monoterpenes and Their Relationship to Insect Life Histories. Journal of Chemical Ecology, 2011, 37, 808-817.	1.8	73
56	Does aggregation benefit bark beetles by diluting predation? Links between a group-colonisation strategy and the absence of emergent multiple predator effects. Ecological Entomology, 2004, 29, 129-138.	2.2	72
57	Effects of Diterpene Acids on Components of a Conifer Bark Beetleâ€“Fungal Interaction: Tolerance by<i>Ips pini</i>and Sensitivity by Its Associate<i>Ophiostoma ips</i>. Environmental Entomology, 2005, 34, 486-493.	1.4	71
58	Gut Microbiota of an Invasive Subcortical Beetle,<i>Agrilus planipennis</i>Fairmaire, Across Various Life Stages. Environmental Entomology, 2008, 37, 1344-1353.	1.4	71
59	Cellulolytic Streptomyces Strains Associated with Herbivorous Insects Share a Phylogenetically Linked Capacity To Degrade Lignocellulose. Applied and Environmental Microbiology, 2014, 80, 4692-4701.	3.1	70
60	Mateâ€finding failure as an important cause of Allee effects along the leading edge of an invading insect population. Entomologia Experimentalis Et Applicata, 2009, 133, 307-314.	1.4	69
61	What explains landscape patterns of tree mortality caused by bark beetle outbreaks in Greater Yellowstone?. Global Ecology and Biogeography, 2012, 21, 556-567.	5.8	69
62	Experimental climate warming alters aspen and birch phytochemistry and performance traits for an outbreak insect herbivore. Global Change Biology, 2015, 21, 2698-2710.	9.5	69
63	Evolution of High Cellulolytic Activity in Symbiotic Streptomyces through Selection of Expanded Gene Content and Coordinated Gene Expression. PLoS Biology, 2016, 14, e1002475.	5.6	68
64	Drought-Mediated Changes in Tree Physiological Processes Weaken Tree Defenses to Bark Beetle Attack. Journal of Chemical Ecology, 2019, 45, 888-900.	1.8	67
65	Signal Mimics Derived from a Metagenomic Analysis of the Gypsy Moth Gut Microbiota. Applied and Environmental Microbiology, 2007, 73, 3669-3676.	3.1	66
66	Climate influences on whitebark pine mortality from mountain pine beetle in the Greater Yellowstone Ecosystem. Ecological Applications, 2016, 26, 2507-2524.	3.8	66
67	Spatial variability in tree regeneration after wildfire delays and dampens future bark beetle outbreaks. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13075-13080.	7.1	65
68	Title is missing!. Journal of Chemical Ecology, 1999, 25, 861-880.	1.8	64
69	Improved Population Monitoring of Bark Beetles and Predators by Incorporating Disparate Behavioral Responses to Semiochemicals. Environmental Entomology, 2000, 29, 618-629.	1.4	64
70	Gut Microbiota of an Invasive Subcortical Beetle, <I>Agrilus planipennis</I> Fairmaire, Across Various Life Stages. Environmental Entomology, 2008, 37, 1344-1353.	1.4	64
71	Geographic Variation in Bacterial Communities Associated With the Red Turpentine Beetle (Coleoptera: Curculionidae). Environmental Entomology, 2010, 39, 406-414.	1.4	64
72	Partitioning of 14 C-labeled photosynthate to allelochemicals and primary metabolites in source and sink leaves of aspen: evidence for secondary metabolite turnover. Oecologia, 1999, 119, 408-418.	2.0	63

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73	Presence and Diversity of Streptomyces in Dendroctonus and Sympatric Bark Beetle Galleries Across North America. Microbial Ecology, 2011, 61, 759-768.	2.8	63
74	How many choices can your test animal compare effectively? Evaluating a critical assumption of behavioral preference tests. Oecologia, 2002, 133, 422-429.	2.0	62
75	New Insights into the Consequences of Post-Windthrow Salvage Logging Revealed by Functional Structure of Saproxylic Beetles Assemblages. PLoS ONE, 2014, 9, e101757.	2.5	62
76	Response of ground beetle (Carabidae) assemblages to logging history in northern hardwoodâ€"hemlock forests. Forest Ecology and Management, 2006, 222, 335-347.	3.2	61
77	Defence syndromes in lodgepole â€" whitebark pine ecosystems relate to degree of historical exposure to mountain pine beetles. Plant, Cell and Environment, 2017, 40, 1791-1806.	5.7	61
78	Association of declining red pine stands with reduced populations of bark beetle predators, seasonal increases in root colonizing insects, and incidence of root pathogens. Forest Ecology and Management, 2002, 164, 221-236.	3.2	60
79	Temporal and Spatial Disparities Among Bark Beetles, Predators, and Associates Responding to Synthetic Bark Beetle Pheromones: Ips pini (Coleoptera: Scolytidae) in Wisconsin. Environmental Entomology, 1991, 20, 1665-1679.	1.4	59
80	Exploiting Behavioral Disparities Among Predators and Prey to Selectively Remove Pests: Maximizing the Ratio of Bark Beetles to Predators Removed During Semiochemically Based Trap-Out. Environmental Entomology, 2000, 29, 651-660.	1.4	59
81	Tree response and mountain pine beetle attack preference, reproduction and emergence timing in mixed whitebark and lodgepole pine stands. Agricultural and Forest Entomology, 2015, 17, 421-432.	1.3	59
82	Components of Antagonism and Mutualism in<i>Ips pini</i>â€"Fungal Interactions: Relationship to a Life History of Colonizing Highly Stressed and Dead Trees. Environmental Entomology, 2004, 33, 28-34.	1.4	58
83	Phylogeography of spruce beetles (Dendroctonus rufipennis Kirby) (Curculionidae: Scolytinae) in North America. Molecular Ecology, 2007, 16, 2560-2573.	3.9	56
84	Contributions of female oviposition patterns and larval behavior to group defense in conifer sawflies (hymenoptera: diprionidae). Oecologia, 1995, 103, 24-33.	2.0	53
85	Responses of Gypsy Moth (Lepidoptera: Lymantriidae) and Forest Tent Caterpillar (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Gene. Environmental Entomology, 1994, 23, 1030-1041.	1.4	52
86	Aspen Defense Chemicals Influence Midgut Bacterial Community Composition of Gypsy Moth. Journal of Chemical Ecology, 2015, 41, 75-84.	1.8	50
87	Effects of winter temperatures, spring degree-day accumulation, and insect population source on phenological synchrony between forest tent caterpillar and host trees. Forest Ecology and Management, 2016, 362, 241-250.	3.2	50
88	Field Evaluation of Transgenic Poplar Expressing a Bacillus thuringiensis cry1A (â˘ž) d -Endotoxin Gene Against Forest Tent Caterpillar (Lepidoptera: Lasiocampidae) and Gypsy Moth (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 137 T	1.4	48
89	Chemical modulators of the innate immune response alter gypsy moth larval susceptibility to Bacillus thuringiensis. BMC Microbiology, 2010, 10, 129.	3.3	48
90	Wildfire provides refuge from local extinction but is an unlikely driver of outbreaks by mountain pine beetle. Ecological Monographs, 2012, 82, 69-84.	5.4	47

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91	Population Dynamics ofIps piniandIps grandicollisin Red Pine Plantations in Wisconsin: Within- and Between-Year Associations with Predators, Competitors, and Habitat Quality. Environmental Entomology, 2002, 31, 1043-1051.	1.4	46
92	Predisposition to bark beetle attack by root herbivores and associated pathogens: Roles in forest decline, gap formation, and persistence of endemic bark beetle populations. Forest Ecology and Management, 2010, 259, 374-382.	3.2	43
93	Economics and Politics of Bark Beetles. , 2015, , 585-613.		43
94	Productivity, drought tolerance and pest status of hybrid Populus: tree improvement and silvicultural implications. Biomass and Bioenergy, 1998, 14, 1-20.	5.7	41
95	Characterization of Gut-Associated Bacteria in Larvae and Adults of the Southern Pine Beetle, <I>Dendroctonus frontalis</I> Zimmermann. Environmental Entomology, 2006, 35, 1710-1717.	1.4	41
96	Comparison of insect, fungal, and mechanically induced defoliation of larch: effects on plant productivity and subsequent host susceptibility. Oecologia, 1992, 90, 411-416.	2.0	39
97	Title is missing!. Journal of Chemical Ecology, 2000, 26, 823-840.	1.8	39
98	Multipartite Symbioses Among Fungi, Mites, Nematodes, and the Spruce Beetle, <I>Dendroctonus rufipennis</I>. Environmental Entomology, 2008, 37, 956-963.	1.4	39
99	Bacteria influence mountain pine beetle brood development through interactions with symbiotic and antagonistic fungi: implications for climate-driven host range expansion. Oecologia, 2015, 179, 467-485.	2.0	39
100	Interactions between Bacteria And Aspen Defense Chemicals at the Phyllosphere â€" Herbivore Interface. Journal of Chemical Ecology, 2016, 42, 193-201.	1.8	39
101	Quantifying sources of variation in the frequency of fungi associated with spruce beetles: Implications for hypothesis testing and sampling methodology in bark beetleâ€"symbiont relationships. Forest Ecology and Management, 2005, 217, 187-202.	3.2	38
102	Kairomonal range of generalist predators in specialized habitats: responses to multiple phloeophagous species emitting pheromones vs. host odors. Entomologia Experimentalis Et Applicata, 2001, 99, 205-210.	1.4	37
103	Density-mediated responses of bark beetles to host allelochemicals: a link between individual behaviour and population dynamics. Ecological Entomology, 2002, 27, 484-492.	2.2	36
104	Relative effects of exophytic predation, endophytic predation, and intraspecific competition on a subcortical herbivore: consequences to the reproduction of Ips pini and Thanasimus dubius. Oecologia, 2002, 133, 483-491.	2.0	36
105	Survey and phylogenetic analysis of culturable microbes in the oral secretions of three bark beetle species. Entomologia Experimentalis Et Applicata, 2009, 131, 138-147.	1.4	36
106	Influence of Host Plant on Deterrence by Azadirachtin of Feeding by Fall Armyworm Larvae (Lepidoptera: Noctuidae). Journal of Economic Entomology, 1987, 80, 384-387.	1.8	35
107	Computation of response factors for quantitative analysis of monoterpenes by gas-liquid chromatography. Journal of Chemical Ecology, 1988, 14, 1385-1390.	1.8	35
108	Can chemical communication be cryptic? Adaptations by herbivores to natural enemies exploiting prey semiochemistry. Oecologia, 2007, 153, 1009-1019.	2.0	35

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109	Prevalence of<i>Borrelia burgdorferi</i>and<i>Anaplasma phagocytophilum</i>in<i>Ixodes scapularis</i>(Acari: Ixodidae) Nymphs Collected in Managed Red Pine Forests in Wisconsin. Journal of Medical Entomology, 2014, 51, 694-701.	1.8	35
110	Parasitoids and Dipteran Predators Exploit Volatiles from Microbial Symbionts to Locate Bark Beetles. Environmental Entomology, 2008, 37, 150-161.	1.4	34
111	Prior host feeding experience influences ovipositional but not feeding preference in a polyphagous insect herbivore. Entomologia Experimentalis Et Applicata, 2011, 138, 137-145.	1.4	33
112	Fire Injury Reduces Inducible Defenses of Lodgepole Pine against Mountain Pine Beetle. Journal of Chemical Ecology, 2011, 37, 1184-1192.	1.8	33
113	Effect of Host Plant on Cannibalism Rates by Fall Armyworm (Lepidoptera: Noctuidae) Larvae. Environmental Entomology, 1987, 16, 672-675.	1.4	31
114	Strategic Development of Tree Resistance Against Forest Pathogen and Insect Invasions in Defense-Free Space. Frontiers in Ecology and Evolution, 2018, 6, .	2.2	31
115	Title is missing!. Journal of Chemical Ecology, 1998, 24, 501-523.	1.8	30
116	Modeling flight activity and population dynamics of the pine engraver, Ips pini, in the Great Lakes region: effects of weather and predators over short time scales. Population Ecology, 2005, 47, 61-69.	1.2	30
117	Bursaphelenchus rufipennis n. sp. (Nematoda: Parasitaphelenchinae) and redescription of Ektaphelenchus obtusus (Nematoda: Ektaphelenchinae), associates from nematangia on the hind wings of Dendroctonus rufipennis (Coleoptera: Scolytidae). Nematology, 2008, 10, 925-955.	0.6	30
118	Dispersal and edge behaviour of bark beetles and predators inhabiting red pine plantations. Agricultural and Forest Entomology, 2013, 15, 1-11.	1.3	30
119	Trap Lure Blend of Pine Volatiles and Bark Beetle Pheromones for <I>Monochamus</I> spp. (Coleoptera: Cerambycidae) in Pine Forests of Canada and the United States. Journal of Economic Entomology, 2013, 106, 1684-1692.	1.8	30
120	Title is missing!. Journal of Chemical Ecology, 1999, 25, 1771-1797.	1.8	28
121	Bark beetles and fungal associates colonizing white spruce in the Great Lakes region. Canadian Journal of Forest Research, 2002, 32, 1137-1150.	1.7	28
122	Interactions among intraspecific competition, emergence patterns, and host selection behaviour in <i>Ips pini</i> (Coleoptera: Scolytinae). Ecological Entomology, 2007, 32, 162-171.	2.2	28
123	Pine Engravers Carry Bacterial Communities Whose Members Reduce Concentrations of Host Monoterpenes With Variable Degrees of Redundancy, Specificity, and Capability. Environmental Entomology, 2018, 47, 638-645.	1.4	28
124	Evolutionary history predicts highâ€impact invasions by herbivorous insects. Ecology and Evolution, 2019, 9, 12216-12230.	1.9	28
125	The enemy of my enemy is still my enemy: competitors add to predator load of a treeâ€killing bark beetle. Agricultural and Forest Entomology, 2008, 10, 411-421.	1.3	27
126	Anatomical defences against bark beetles relate to degree of historical exposure between species and are allocated independently of chemical defences within trees. Plant, Cell and Environment, 2019, 42, 633-646.	5.7	27

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127	Selective manipulation of predators using pheromones: responses to frontalin and ipsdienol pheromone components of bark beetles in the Great Lakes region. Agricultural and Forest Entomology, 2005, 7, 193-200.	1.3	26
128	Effects of SelectedLarix laricinaTerpenoids onLymantria dispar(Lepidoptera: Lymantriidae) Development and Behavior. Environmental Entomology, 1999, 28, 148-154.	1.4	24
129	Title is missing!. Journal of Chemical Ecology, 2000, 26, 1923-1939.	1.8	24
130	Leaf ontogeny influences leaf phenolics and the efficacy of genetically expressed Bacillus thuringiensis cry1A(a) d-endotoxin in hybrid poplar against gypsy moth. Journal of Chemical Ecology, 2003, 29, 2585-2602.	1.8	24
131	Recent and future climate suitability for whitebark pine mortality from mountain pine beetles varies across the western US. Forest Ecology and Management, 2017, 399, 132-142.	3.2	24
132	Spatial-Temporal Modeling of Forest Gaps Generated by Colonization From Below- and Above-Ground Bark Beetle Species. Journal of the American Statistical Association, 2008, 103, 162-177.	3.1	23
133	Contributions by Host Trees and Insect Activity to Bacterial Communities in<i>Dendroctonus valens</i>(Coleoptera: Curculionidae) Galleries, and Their High Overlap With Other Microbial Assemblages of Bark Beetles. Environmental Entomology, 2016, 45, 348-356.	1.4	23
134	Spatial and temporal components of induced plant responses in the context of herbivore life history and impact on host. Functional Ecology, 2017, 31, 2034-2050.	3.6	23
135	Dispersal Patterns and Mark-and-Recapture Estimates of Two Pine Root Weevil Species, Hylobius pales and Pachylobius picivorus (Coleoptera: Curculionidae), in Christmas Tree Plantations. Environmental Entomology, 1990, 19, 1829-1836.	1.4	22
136	Endogenous and exogenous factors affecting parasitism of gypsy moth egg masses by Ooencyrtus kuvanae. Entomologia Experimentalis Et Applicata, 1998, 88, 123-135.	1.4	22
137	Heritability of Host Acceptance and Gallery Construction Behaviors of the Bark Beetle<i>Ips pini</i>(Coleoptera: Scolytidae). Environmental Entomology, 2002, 31, 1276-1281.	1.4	22
138	Host resistance to invasion by lower stem and root infesting insects of pine: response to controlled inoculations with the fungal associate Leptographiumterebrantis. Canadian Journal of Forest Research, 1988, 18, 675-681.	1.7	21
139	Seasonal Activity of Adult, Ground-occurring Beetles (Coleoptera) in Forests of Northeastern Wisconsin and the Upper Peninsula of Michigan. American Midland Naturalist, 2003, 149, 121-133.	0.4	21
140	Species Assemblage Arriving at and Emerging from Trees Colonized by <I>Ips pini</I> in the Great Lakes Region: Partitioning by Time Since Colonization, Season, and Host Species. Annals of the Entomological Society of America, 2004, 97, 117-129.	2.5	21
141	Effect of Host Tree Seasonal Phenology on Substrate Suitability for the Pine Engraver (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Overlo Entomology, 2001, 94, 844-849.	1.8	20
142	Phloeophagous and predaceous insects responding to synthetic pheromones of bark beetles inhabiting white spruce stands in the Great Lakes region. Journal of Chemical Ecology, 2003, 29, 1651-1663.	1.8	20
143	Gender- and sequence-dependent predation within group colonizers of defended plants: a constraint on cheating among bark beetles?. Oecologia, 2004, 138, 253-258.	2.0	20
144	Response of red and jack pines to inoculation with microbial associates of the pine engraver, Ipspini (Coleoptera: Scolytidae). Canadian Journal of Forest Research, 1988, 18, 581-586.	1.7	19

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145	Effects of Selected Midwestern Larval Host Plants on Performance by Two Strains of the Gypsy Moth (Lepidoptera: Lymantriidae) Parasitoid Cotesia melanoscela (Hymenoptera: Braconidae). Environmental Entomology, 1997, 26, 1155-1166.	1.4	19
146	Individual and social components of wood ant response to conifer sawfly defence (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	18
147	Host Plant Phenology Affects Performance of an Invasive Weevil,Phyllobius oblongus(Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Overloc	1.4	18
148	Genetic variation in aspen phytochemical patterns structures windows of opportunity for gypsy moth larvae. Oecologia, 2018, 187, 471-482.	2.0	18
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