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	Numbers matter: how irruptive bark beetles initiate transition to self-sustaining behavior during landscape-altering outbreaks. Oecologia, 2022, 198, 681-698.	2.0	9
2	Spread rates do not necessarily predict outbreak dynamics in a broadly distributed invasive insect. Forest Ecology and Management, 2022, 520, 120357.	3.2	3
3	Root Secondary Metabolites in Populus tremuloides: Effects of Simulated Climate Warming, Defoliation, and Genotype. Journal of Chemical Ecology, 2021, 47, 313-321.	1.8	9
4	Bark Beetle Outbreaks in Europe: State of Knowledge and Ways Forward for Management. Current Forestry Reports, 2021, 7, 138-165.	7.4	133
5	Predicting non-native insect impact: focusing on the trees to see the forest. Biological Invasions, 2021, 23, 3921-3936.	2.4	5
6	Growth and defense characteristics of whitebark pine (Pinus albicaulis) and lodgepole pine (Pinus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Montana, USA. Forest Ecology and Management, 2021, 493, 119286.	3.2	5
7	Climateâ€induced outbreaks in highâ€elevation pines are driven primarily by immigration of bark beetles from historical hosts. Global Change Biology, 2021, 27, 5786-5805.	9.5	5
8	Combined drought and bark beetle attacks deplete nonâ€structural carbohydrates and promote death of mature pine trees. Plant, Cell and Environment, 2021, 44, 3866-3881.	5.7	16
9	Physical contact, volatiles, and acoustic signals contribute to monogamy in an invasive aggregating bark beetle. Insect Science, 2020, 27, 1285-1297.	3.0	4
10	Why do entomologists and plant pathologists approach trophic relationships so differently? Identifying biological distinctions to foster synthesis. New Phytologist, 2020, 225, 609-620.	7.3	14
11	Tree defence and bark beetles in a drying world: carbon partitioning, functioning and modelling. New Phytologist, 2020, 225, 26-36.	7.3	144
12	Phenological responses to prior-season defoliation and soil-nutrient availability vary among early- and late-flushing aspen (Populus tremuloides Michx.) genotypes. Forest Ecology and Management, 2020, 458, 117771.	3.2	5
13	Relationships between conifer constitutive and inducible defenses against bark beetles change across levels of biological and ecological scale. Oikos, 2020, 129, 1093-1107.	2.7	12
14	Evolutionary history predicts highâ€impact invasions by herbivorous insects. Ecology and Evolution, 2019, 9, 12216-12230.	1.9	28
15	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
16	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
17	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
18	Predators and competitors of the mountain pine beetle <i>Dendroctonus ponderosae</i> (Coleoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Forest Entomology, 2018, 20, 402-413.	1.3	2

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19	Genetic variation in aspen phytochemical patterns structures windows of opportunity for gypsy moth larvae. Oecologia, 2018, 187, 471-482.	2.0	18
20	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
21	Seasonal and Regional Distributions, Degree-Day Models, and Phoresy Rates of the Major Sap Beetle (Coleoptera: Nitidulidae) Vectors of the Oak Wilt Fungus, Bretziella fagacearum, in Wisconsin. Environmental Entomology, 2018, 47, 1152-1164.	1.4	13
22	Sound-Triggered Production of Antiaggregation Pheromone Limits Overcrowding of<i>Dendroctonus valens</i>Attacking Pine Trees. Chemical Senses, 2017, 42, bjw102.	2.0	9
23	Gallery and acoustic traits related to female body size mediate male mate choice in a bark beetle. Animal Behaviour, 2017, 125, 41-50.	1.9	11
24	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
25	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
26	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
27	Bacterial Communities Associated With the Pine Wilt Disease Vector Monochamus alternatus (Coleoptera: Cerambycidae) During Different Larval Instars. Journal of Insect Science, 2017, 17, .	1.5	7
28	Supercooling points of diapausing forest tent caterpillar (Lepidoptera: Lasiocampidae) eggs. Canadian Entomologist, 2016, 148, 512-519.	0.8	8
29	Behaviours of phoretic mites (Acari) associated with <i>Ips pini</i> and <i>Ips grandicollis</i> (Coleoptera: Curculionidae) during hostâ€tree colonization. Agricultural and Forest Entomology, 2016, 18, 108-118.	1.3	9
30	Climate influences on whitebark pine mortality from mountain pine beetle in the Greater Yellowstone Ecosystem. Ecological Applications, 2016, 26, 2507-2524.	3.8	66
31	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
32	Oviposition and feeding on red pine by jack pine budworm at a previously unrecorded scale. Agricultural and Forest Entomology, 2016, 18, 214-222.	1.3	1
33	Evaluation of tree mortality and parasitoid recoveries on the contiguous western invasion front of emerald ash borer. Agricultural and Forest Entomology, 2016, 18, 327-339.	1.3	6
34	Interactions between Bacteria And Aspen Defense Chemicals at the Phyllosphere â€“ Herbivore Interface. Journal of Chemical Ecology, 2016, 42, 193-201.	1.8	39
35	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
36	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

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37	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
38	Structure of Phoretic Mite Assemblages Across Subcortical Beetle Species at a Regional Scale. Environmental Entomology, 2016, 45, 53-65.	1.4	13
39	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
40	Mountain Pine Beetle Dynamics and Reproductive Success in Post-Fire Lodgepole and Ponderosa Pine Forests in Northeastern Utah. PLoS ONE, 2016, 11, e0164738.	2.5	11
41	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
42	Tree mortality from drought, insects, and their interactions in a changing climate. New Phytologist, 2015, 208, 674-683.	7.3	641
43	Do Phoretic Mites Influence the Reproductive Success oflps grandicollis(Coleoptera: Curculionidae)?. Environmental Entomology, 2015, 44, 1498-1511.	1.4	7
44	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
45	Economics and Politics of Bark Beetles. , 2015, , 585-613.		43
46	Natural History and Ecology of Bark Beetles. , 2015, , 1-40.		105
47	Foliar bacterial communities of trembling aspen in a common garden. Canadian Journal of Microbiology, 2015, 61, 143-149.	1.7	10
48	Evaluating Predators and Competitors in Wisconsin Red Pine Forests for Attraction to Mountain Pine Beetle Pheromones for Anticipatory Biological Control. Environmental Entomology, 2015, 44, 1161-1171.	1.4	9
49	Contrasting Patterns of Diterpene Acid Induction by Red Pine and White Spruce to Simulated Bark Beetle Attack, and Interspecific Differences in Sensitivity Among Fungal Associates. Journal of Chemical Ecology, 2015, 41, 524-532.	1.8	15
50	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
51	Aspen Defense Chemicals Influence Midgut Bacterial Community Composition of Gypsy Moth. Journal of Chemical Ecology, 2015, 41, 75-84.	1.8	50
52	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
53	Effects of an invasive herbivore at the single plant scale do not extend to population-scale seedling dynamics. Canadian Journal of Forest Research, 2014, 44, 8-16.	1.7	6
54	Convergent Bacterial Microbiotas in the Fungal Agricultural Systems of Insects. MBio, 2014, 5, e02077.	4.1	96

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55	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
56	Populations of uncultivated American cranberry in sphagnum bog communities harbor novel assemblages of Actinobacteria with antifungal properties. Botany, 2014, 92, 589-595.	1.0	8
57	Acquisition and Structuring of Midgut Bacterial Communities in Gypsy Moth (Lepidoptera: Erebidae) Larvae. Environmental Entomology, 2014, 43, 595-604.	1.4	106
58	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
59	Plant-associated bacteria degrade defense chemicals and reduce their adverse effects on an insect defoliator. Oecologia, 2014, 175, 901-910.	2.0	106
60	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
61	Simulated climate warming alters phenological synchrony between an outbreak insect herbivore and host trees. Oecologia, 2014, 175, 1041-1049.	2.0	92
62	A Tale of Convergence. Journal of Chemical Ecology, 2014, 40, 415-416.	1.8	0
63	Influence of Diet and Density on Laboratory Cannibalism Behaviors in Gypsy Moth Larvae (Lymantria) Tj ETQq1 1 0.784314 rgBT /Overlo	0.7	6
64	Responses of two parasitoids, the exotic Spathius agrili Yang and the native Spathius floridanus Ashmead, to volatile cues associated with the emerald ash borer, Agrilus planipennis Fairmaire. Biological Control, 2014, 79, 110-117.	3.0	15
65	Bacteria Associated with a Tree-Killing Insect Reduce Concentrations of Plant Defense Compounds. Journal of Chemical Ecology, 2013, 39, 1003-1006.	1.8	227
66	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
67	Using delimiting surveys to characterize the spatiotemporal dynamics facilitates the management of an invasive nonâ€native insect. Population Ecology, 2013, 55, 545-555.	1.2	14
68	Dispersal and edge behaviour of bark beetles and predators inhabiting red pine plantations. Agricultural and Forest Entomology, 2013, 15, 1-11.	1.3	30
69	Belowground herbivory in red pine stands initiates a cascade that increases abundance of Lyme disease vectors. Forest Ecology and Management, 2013, 302, 354-362.	3.2	9
70	Mites Phoretic on <I>Ips pini</I> (Coleoptera: Curculionidae: Scolytinae) in Wisconsin Red Pine Stands. Annals of the Entomological Society of America, 2013, 106, 204-213.	2.5	15
71	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
72	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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73	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
74	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
75	Consequences of Climate Warming and Altered Precipitation Patterns for Plant-Insect and Multitrophic Interactions. Plant Physiology, 2012, 160, 1719-1727.	4.8	279
76	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
77	Variable host phenology does not pose a barrier to invasive weevils in a northern hardwood forest. Agricultural and Forest Entomology, 2012, 14, 276-285.	1.3	8
78	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
79	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
80	The interdependence of mechanisms underlying climate-driven vegetation mortality. Trends in Ecology and Evolution, 2011, 26, 523-532.	8.7	839
81	Altered GAI activity of hybrid aspen has minimal effects on the performance of a polyphagous weevil, Polydrusus sericeus. Entomologia Experimentalis Et Applicata, 2011, 138, 104-109.	1.4	1
82	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
83	Cellulose-degrading bacteria associated with the invasive woodwasp <i>Sirex noctilio</i>. ISME Journal, 2011, 5, 1323-1331.	9.8	154
84	Potential insight for drug discovery from high-fidelity receptor-mediated transduction mechanisms in insects. Expert Opinion on Drug Discovery, 2011, 6, 1091-1101.	5.0	0
85	Fire Injury Reduces Inducible Defenses of Lodgepole Pine against Mountain Pine Beetle. Journal of Chemical Ecology, 2011, 37, 1184-1192.	1.8	33
86	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
87	Presence and Diversity of Streptomyces in Dendroctonus and Sympatric Bark Beetle Galleries Across North America. Microbial Ecology, 2011, 61, 759-768.	2.8	63
88	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
89	Temporal and Species Variation in Cold Hardiness Among Invasive Rhizophagous Weevils (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Ove 104, 59-67.	2.5	7
90	Robustness of the Bacterial Community in the Cabbage White Butterfly Larval Midgut. Microbial Ecology, 2010, 59, 199-211.	2.8	142

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91	Symbiosis research, technology, and education: Proceedings of the 6th International Symbiosis Society Congress held in Madison Wisconsin, USA, August 2009. Symbiosis, 2010, 51, 1-12.	2.3	1
92	Chemical modulators of the innate immune response alter gypsy moth larval susceptibility to Bacillus thuringiensis. BMC Microbiology, 2010, 10, 129.	3.3	48
93	Too close for comfort: effect of trap spacing distance and pattern on statistical inference of behavioral choice tests in the field. Entomologia Experimentalis Et Applicata, 2010, 136, 66-71.	1.4	13
94	Performance of the invasive weevil <i>Polydrusus sericeus</i> is influenced by atmospheric CO₂ and host species. Agricultural and Forest Entomology, 2010, 12, 285-292.	1.3	11
95	Variation in Complex Semiochemical Signals Arising From Insects and Host Plants. Environmental Entomology, 2010, 39, 874-882.	1.4	12
96	Geographic Variation in Bacterial Communities Associated With the Red Turpentine Beetle (Coleoptera: Curculionidae). Environmental Entomology, 2010, 39, 406-414.	1.4	64
97	Laboratory Performance of Two Polyphagous Invasive Weevils on the Predominant Woody Plant Species of a Northern Hardwood Community. Environmental Entomology, 2010, 39, 1242-1248.	1.4	8
98	Host Plant Phenology Affects Performance of an Invasive Weevil,Phyllobius oblongus(Coleoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.4	18
99	Effect of Clonal Variation Among Hybrid Poplars on Susceptibility of Gypsy Moth (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2010, 103, 718-725.	1.8	4
100	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
101	Assemblage of Hymenoptera arriving at logs colonized by<i>Ips pini</i>(Coleoptera: Curculionidae:) Tj ETQq1 1 0.784314 rgBT /Overloc	0.8	6
102	Contributions of gut bacteria to Bacillus thuringiensis-induced mortality vary across a range of Lepidoptera. BMC Biology, 2009, 7, 11.	3.8	156
103	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
104	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
105	Resident Microbiota of the Gypsy Moth Midgut Harbors Antibiotic Resistance Determinants. DNA and Cell Biology, 2009, 28, 109-117.	1.9	79
106	Movement of outbreak populations of mountain pine beetle: influences of spatiotemporal patterns and climate. Ecography, 2008, 31, 348-358.	4.5	166
107	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
108	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

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109	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
110	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
111	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
112	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
113	Multipartite Symbioses Among Fungi, Mites, Nematodes, and the Spruce Beetle, <I>Dendroctonus rufipennis</I>. Environmental Entomology, 2008, 37, 956-963.	1.4	39
114	Preoutbreak Dynamics of a Recently Established Invasive Herbivore: Roles of Natural Enemies and Habitat Structure in Stage-Specific Performance of Gypsy Moth (Lepidoptera: Lymantriidae) Populations in Northeastern Wisconsin. Environmental Entomology, 2008, 37, 1174-1184.	1.4	7
115	Parasitoids and Dipteran Predators Exploit Volatiles from Microbial Symbionts to Locate Bark Beetles. Environmental Entomology, 2008, 37, 150-161.	1.4	34
116	Signal Mimics Derived from a Metagenomic Analysis of the Gypsy Moth Gut Microbiota. Applied and Environmental Microbiology, 2007, 73, 3669-3676.	3.1	66
117	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
118	Continuous Time Modelling of Dynamical Spatial Lattice Data Observed at Sparsely Distributed Times. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2007, 69, 701-713.	2.2	5
119	Phylogeography of spruce beetles (Dendroctonus rufipennis Kirby) (Curculionidae: Scolytinae) in North America. Molecular Ecology, 2007, 16, 2560-2573.	3.9	56
120	Can chemical communication be cryptic? Adaptations by herbivores to natural enemies exploiting prey semiochemistry. Oecologia, 2007, 153, 1009-1019.	2.0	35
121	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
122	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
123	Is the outbreak status of Thrips calcaratus Uzel in North America due to altered host relationships?. Forest Ecology and Management, 2006, 225, 200-206.	3.2	2
124	Sources of Insect and Plant Volatiles Attractive to Cottonwood Leaf Beetles Feeding on Hybrid Poplar. Journal of Chemical Ecology, 2006, 32, 2585-2594.	1.8	17
125	Bacteria in oral secretions of an endophytic insect inhibit antagonistic fungi. Ecological Entomology, 2006, 31, 636-645.	2.2	184
126	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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127	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
128	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
129	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
130	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
131	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
132	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
133	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
134	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
135	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
136	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
137	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
138	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
139	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
140	Behavior of Adult and Larval Platysoma cylindrica (Coleoptera: Histeridae) and Larval Medetera bistriata (Diptera: Dolichopodidae) During Subcortical Predation of Ips pini (Coleoptera: Scolytidae). Journal of Insect Behavior, 2004, 17, 115-128.	0.7	17
141	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
142	Density-dependent effects of multiple predators sharing a common prey in an endophytic habitat. Oecologia, 2004, 139, 418-426.	2.0	12
143	FEEDBACK BETWEEN INDIVIDUAL HOST SELECTION BEHAVIOR AND POPULATION DYNAMICS IN AN ERUPTIVE HERBIVORE. Ecological Monographs, 2004, 74, 101-116.	5.4	125
144	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

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145	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
146	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
147	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
148	Spatial analysis of forest gaps resulting from bark beetle colonization of red pines experiencing belowground herbivory and infection. Forest Ecology and Management, 2003, 177, 145-153.	3.2	12
149	Fate of Conifer Terpenes in a Polyphagous Folivore: Evidence for Metabolism by Gypsy Moth (Lepidoptera: Lymantriidae). Journal of Entomological Science, 2003, 38, 583-601.	0.3	7
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