

Kenneth F Raffa

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

213
papers

11,818
citations

58
h-index

102
g-index

217
ext. papers

13,523
ext. citations

3.4
avg, IF

6.44
L-index

#	Paper	IF	Citations
213	Numbers matter: how irruptive bark beetles initiate transition to self-sustaining behavior during landscape-altering outbreaks.. <i>Oecologia</i> , 2022 , 198, 681	2.9	0
212	Combined drought and bark beetle attacks deplete non-structural carbohydrates and promote death of mature pine trees. <i>Plant, Cell and Environment</i> , 2021 , 44, 3636-3651	8.4	4
211	Bark Beetle Outbreaks in Europe: State of Knowledge and Ways Forward for Management. <i>Current Forestry Reports</i> , 2021 , 7, 138-165	8	19
210	Root Secondary Metabolites in Populus tremuloides: Effects of Simulated Climate Warming, Defoliation, and Genotype. <i>Journal of Chemical Ecology</i> , 2021 , 47, 313-321	2.7	2
209	Growth and defense characteristics of whitebark pine (Pinus albicaulis) and lodgepole pine (Pinus contorta var latifolia) in a high-elevation, disturbance-prone mixed-conifer forest in northwestern Montana, USA. <i>Forest Ecology and Management</i> , 2021 , 493, 119286	3.9	1
208	Climate-induced outbreaks in high-elevation pines are driven primarily by immigration of bark beetles from historical hosts. <i>Global Change Biology</i> , 2021 , 27, 5786-5805	11.4	2
207	Phenological responses to prior-season defoliation and soil-nutrient availability vary among early- and late-flushing aspen (Populus tremuloides Michx.) genotypes. <i>Forest Ecology and Management</i> , 2020 , 458, 117771	3.9	1
206	Relationships between conifer constitutive and inducible defenses against bark beetles change across levels of biological and ecological scale. <i>Oikos</i> , 2020 , 129, 1093-1107	4	6
205	Why do entomologists and plant pathologists approach trophic relationships so differently? Identifying biological distinctions to foster synthesis. <i>New Phytologist</i> , 2020 , 225, 609-620	9.8	9
204	Tree defence and bark beetles in a drying world: carbon partitioning, functioning and modelling. <i>New Phytologist</i> , 2020 , 225, 26-36	9.8	71
203	Physical contact, volatiles, and acoustic signals contribute to monogamy in an invasive aggregating bark beetle. <i>Insect Science</i> , 2020 , 27, 1285-1297	3.6	3
202	Drought-Mediated Changes in Tree Physiological Processes Weaken Tree Defenses to Bark Beetle Attack. <i>Journal of Chemical Ecology</i> , 2019 , 45, 888-900	2.7	34
201	Evolutionary history predicts high-impact invasions by herbivorous insects. <i>Ecology and Evolution</i> , 2019 , 9, 12216-12230	2.8	15
200	Anatomical defences against bark beetles relate to degree of historical exposure between species and are allocated independently of chemical defences within trees. <i>Plant, Cell and Environment</i> , 2019 , 42, 633-646	8.4	16
199	Pine Engravers Carry Bacterial Communities Whose Members Reduce Concentrations of Host Monoterpenes With Variable Degrees of Redundancy, Specificity, and Capability. <i>Environmental Entomology</i> , 2018 , 47, 638-645	2.1	17
198	Strategic Development of Tree Resistance Against Forest Pathogen and Insect Invasions in Defense-Free Space. <i>Frontiers in Ecology and Evolution</i> , 2018 , 6,	3.7	20
197	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. <i>Environmental Entomology</i> , 2018 , 47, 1152-1164	2.1	8

196	Predators and competitors of the mountain pine beetle <i>Dendroctonus ponderosae</i> (Coleoptera: Curculionidae) in stands of changing forest composition associated with elevation. <i>Agricultural and Forest Entomology</i> , 2018 , 20, 402-413	1.9	2
195	Genetic variation in aspen phytochemical patterns structures windows of opportunity for gypsy moth larvae. <i>Oecologia</i> , 2018 , 187, 471-482	2.9	11
194	Gallery and acoustic traits related to female body size mediate male mate choice in a bark beetle. <i>Animal Behaviour</i> , 2017 , 125, 41-50	2.8	11
193	Recent and future climate suitability for whitebark pine mortality from mountain pine beetles varies across the western US. <i>Forest Ecology and Management</i> , 2017 , 399, 132-142	3.9	14
192	Defence syndromes in lodgepole - whitebark pine ecosystems relate to degree of historical exposure to mountain pine beetles. <i>Plant, Cell and Environment</i> , 2017 , 40, 1791-1806	8.4	45
191	Spatial and temporal components of induced plant responses in the context of herbivore life history and impact on host. <i>Functional Ecology</i> , 2017 , 31, 2034-2050	5.6	15
190	Bacterial Communities Associated With the Pine Wilt Disease Vector <i>Monochamus alternatus</i> (Coleoptera: Cerambycidae) During Different Larval Instars. <i>Journal of Insect Science</i> , 2017 , 17,	2	4
189	Sound-Triggered Production of Antiaggregation Pheromone Limits Overcrowding of <i>Dendroctonus valens</i> Attacking Pine Trees. <i>Chemical Senses</i> , 2017 , 42, 59-67	4.8	5
188	Climate influences on whitebark pine mortality from mountain pine beetle in the Greater Yellowstone Ecosystem. <i>Ecological Applications</i> , 2016 , 26, 2505-2522	4.9	51
187	Spatial variability in tree regeneration after wildfire delays and dampens future bark beetle outbreaks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 13075-13080	11.5	56
186	Oviposition and feeding on red pine by jack pine budworm at a previously unrecorded scale. <i>Agricultural and Forest Entomology</i> , 2016 , 18, 214-222	1.9	
185	Evaluation of tree mortality and parasitoid recoveries on the contiguous western invasion front of emerald ash borer. <i>Agricultural and Forest Entomology</i> , 2016 , 18, 327-339	1.9	5
184	Interactions between Bacteria And Aspen Defense Chemicals at the Phyllosphere - Herbivore Interface. <i>Journal of Chemical Ecology</i> , 2016 , 42, 193-201	2.7	19
183	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. <i>Environmental Entomology</i> , 2016 , 45, 348-56	2.1	20
182	Rapid Induction of Multiple Terpenoid Groups by Ponderosa Pine in Response to Bark Beetle-Associated Fungi. <i>Journal of Chemical Ecology</i> , 2016 , 42, 1-12	2.7	62
181	Effects of winter temperatures, spring degree-day accumulation, and insect population source on phenological synchrony between forest tent caterpillar and host trees. <i>Forest Ecology and Management</i> , 2016 , 362, 241-250	3.9	35
180	Structure of Phoretic Mite Assemblages Across Subcortical Beetle Species at a Regional Scale. <i>Environmental Entomology</i> , 2016 , 45, 53-65	2.1	10
179	Evolution of High Cellulolytic Activity in Symbiotic <i>Streptomyces</i> through Selection of Expanded Gene Content and Coordinated Gene Expression. <i>PLoS Biology</i> , 2016 , 14, e1002475	9.7	46

178	Mountain Pine Beetle Dynamics and Reproductive Success in Post-Fire Lodgepole and Ponderosa Pine Forests in Northeastern Utah. <i>PLoS ONE</i> , 2016 , 11, e0164738	3.7	6
177	Supercooling points of diapausing forest tent caterpillar (Lepidoptera: Lasiocampidae) eggs. <i>Canadian Entomologist</i> , 2016 , 148, 512-519	0.7	6
176	Behaviours of phoretic mites (Acari) associated with <i>Ips pini</i> and <i>Ips grandicollis</i> (Coleoptera: Curculionidae) during host-tree colonization. <i>Agricultural and Forest Entomology</i> , 2016 , 18, 108-118	1.9	5
175	Economics and Politics of Bark Beetles 2015 , 585-613		17
174	Natural History and Ecology of Bark Beetles 2015 , 1-40		55
173	Foliar bacterial communities of trembling aspen in a common garden. <i>Canadian Journal of Microbiology</i> , 2015 , 61, 143-9	3.2	6
172	Evaluating Predators and Competitors in Wisconsin Red Pine Forests for Attraction to Mountain Pine Beetle Pheromones for Anticipatory Biological Control. <i>Environmental Entomology</i> , 2015 , 44, 1161-71 ¹	2.1	7
171	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. <i>Journal of Chemical Ecology</i> , 2015 , 41, 524-32	2.7	14
170	Bacteria influence mountain pine beetle brood development through interactions with symbiotic and antagonistic fungi: implications for climate-driven host range expansion. <i>Oecologia</i> , 2015 , 179, 467-85 ⁹	2.9	29
169	Aspen defense chemicals influence midgut bacterial community composition of gypsy moth. <i>Journal of Chemical Ecology</i> , 2015 , 41, 75-84	2.7	39
168	Tree response and mountain pine beetle attack preference, reproduction and emergence timing in mixed whitebark and lodgepole pine stands. <i>Agricultural and Forest Entomology</i> , 2015 , 17, 421-432	1.9	50
167	Tree mortality from drought, insects, and their interactions in a changing climate. <i>New Phytologist</i> , 2015 , 208, 674-83	9.8	454
166	Do Phoretic Mites Influence the Reproductive Success of <i>Ips grandicollis</i> (Coleoptera: Curculionidae)? <i>Environmental Entomology</i> , 2015 , 44, 1498-511	2.1	4
165	Experimental climate warming alters aspen and birch phytochemistry and performance traits for an outbreak insect herbivore. <i>Global Change Biology</i> , 2015 , 21, 2698-2710	11.4	43
164	Terpenes tell different tales at different scales: glimpses into the Chemical Ecology of conifer - bark beetle - microbial interactions. <i>Journal of Chemical Ecology</i> , 2014 , 40, 1-20	2.7	67
163	Plant-associated bacteria degrade defense chemicals and reduce their adverse effects on an insect defoliator. <i>Oecologia</i> , 2014 , 175, 901-10	2.9	71
162	Cellulolytic <i>Streptomyces</i> strains associated with herbivorous insects share a phylogenetically linked capacity to degrade lignocellulose. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 4692-701	4.8	49
161	Simulated climate warming alters phenological synchrony between an outbreak insect herbivore and host trees. <i>Oecologia</i> , 2014 , 175, 1041-9	2.9	67

160	A tale of convergence. <i>Journal of Chemical Ecology</i> , 2014 , 40, 415-6	2.7	
159	Influence of Diet and Density on Laboratory Cannibalism Behaviors in Gypsy Moth Larvae (<i>Lymantria dispar</i> L.). <i>Journal of Insect Behavior</i> , 2014 , 27, 693-700	1.1	5
158	Responses of two parasitoids, the exotic <i>Spathius agrili</i> Yang and the native <i>Spathius floridanus</i> Ashmead, to volatile cues associated with the emerald ash borer, <i>Agilus planipennis</i> Fairmaire. <i>Biological Control</i> , 2014 , 79, 110-117	3.8	13
157	New insights into the consequences of post-windthrow salvage logging revealed by functional structure of saproxylic beetles assemblages. <i>PLoS ONE</i> , 2014 , 9, e101757	3.7	44
156	Effects of an invasive herbivore at the single plant scale do not extend to population-scale seedling dynamics. <i>Canadian Journal of Forest Research</i> , 2014 , 44, 8-16	1.9	4
155	Convergent bacterial microbiotas in the fungal agricultural systems of insects. <i>MBio</i> , 2014 , 5, e02077	7.8	68
154	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. <i>Journal of Medical Entomology</i> , 2014 , 51, 694-701	2.2	26
153	Populations of uncultivated American cranberry in sphagnum bog communities harbor novel assemblages of Actinobacteria with antifungal properties. <i>Botany</i> , 2014 , 92, 589-595	1.3	6
152	Acquisition and structuring of midgut bacterial communities in gypsy moth (Lepidoptera: Erebidiae) larvae. <i>Environmental Entomology</i> , 2014 , 43, 595-604	2.1	73
151	Bacteria associated with a tree-killing insect reduce concentrations of plant defense compounds. <i>Journal of Chemical Ecology</i> , 2013 , 39, 1003-6	2.7	156
150	Minimization of chloroplast contamination in 16S rRNA gene pyrosequencing of insect herbivore bacterial communities. <i>Journal of Microbiological Methods</i> , 2013 , 95, 149-55	2.8	123
149	Using delimiting surveys to characterize the spatiotemporal dynamics facilitates the management of an invasive non-native insect. <i>Population Ecology</i> , 2013 , 55, 545-555	2.1	11
148	Dispersal and edge behaviour of bark beetles and predators inhabiting red pine plantations. <i>Agricultural and Forest Entomology</i> , 2013 , 15, 1-11	1.9	22
147	Belowground herbivory in red pine stands initiates a cascade that increases abundance of Lyme disease vectors. <i>Forest Ecology and Management</i> , 2013 , 302, 354-362	3.9	8
146	Mites Phoretic on <i>Ips pini</i> (Coleoptera: Curculionidae: Scolytinae) in Wisconsin Red Pine Stands. <i>Annals of the Entomological Society of America</i> , 2013 , 106, 204-213	2	10
145	Mountain pine beetles colonizing historical and naive host trees are associated with a bacterial community highly enriched in genes contributing to terpene metabolism. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 3468-75	4.8	166
144	Temperature-driven range expansion of an irruptive insect heightened by weakly coevolved plant defenses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 2193-8	11.5	145
143	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. <i>Journal of Economic Entomology</i> , 2013 , 106, 1684-92	2.2	22

142	Variable host phenology does not pose a barrier to invasive weevils in a northern hardwood forest. <i>Agricultural and Forest Entomology</i> , 2012 , 14, 276-285	1.9	6
141	What explains landscape patterns of tree mortality caused by bark beetle outbreaks in Greater Yellowstone?. <i>Global Ecology and Biogeography</i> , 2012 , 21, 556-567	6.1	60
140	Wildfire provides refuge from local extinction but is an unlikely driver of outbreaks by mountain pine beetle. <i>Ecological Monographs</i> , 2012 , 82, 69-84	9	39
139	Consequences of climate warming and altered precipitation patterns for plant-insect and multitrophic interactions. <i>Plant Physiology</i> , 2012 , 160, 1719-27	6.6	206
138	Effects of biotic disturbances on forest carbon cycling in the United States and Canada. <i>Global Change Biology</i> , 2012 , 18, 7-34	11.4	352
137	Efficacy of tree defense physiology varies with bark beetle population density: a basis for positive feedback in eruptive species. <i>Canadian Journal of Forest Research</i> , 2011 , 41, 1174-1188	1.9	209
136	The interdependence of mechanisms underlying climate-driven vegetation mortality. <i>Trends in Ecology and Evolution</i> , 2011 , 26, 523-32	10.9	675
135	Altered GAI activity of hybrid aspen has minimal effects on the performance of a polyphagous weevil, <i>Polydrusus sericeus</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2011 , 138, 104-109	2.1	1
134	Prior host feeding experience influences ovipositional but not feeding preference in a polyphagous insect herbivore. <i>Entomologia Experimentalis Et Applicata</i> , 2011 , 138, 137-145	2.1	29
133	Cellulose-degrading bacteria associated with the invasive woodwasp <i>Sirex noctilio</i> . <i>ISME Journal</i> , 2011 , 5, 1323-31	11.9	107
132	Potential insight for drug discovery from high fidelity receptor-mediated transduction mechanisms in insects. <i>Expert Opinion on Drug Discovery</i> , 2011 , 6, 1091-1101	6.2	
131	Fire injury reduces inducible defenses of lodgepole pine against Mountain pine beetle. <i>Journal of Chemical Ecology</i> , 2011 , 37, 1184-92	2.7	29
130	Responses of bark beetle-associated bacteria to host monoterpenes and their relationship to insect life histories. <i>Journal of Chemical Ecology</i> , 2011 , 37, 808-17	2.7	57
129	Presence and diversity of <i>Streptomyces</i> in <i>Dendroctonus</i> and sympatric bark beetle galleries across North America. <i>Microbial Ecology</i> , 2011 , 61, 759-68	4.4	55
128	From commensal to pathogen: translocation of <i>Enterococcus faecalis</i> from the midgut to the hemocoel of <i>Manduca sexta</i> . <i>MBio</i> , 2011 , 2, e00065-11	7.8	90
127	Temporal and Species Variation in Cold Hardiness Among Invasive Rhizophagous Weevils (Coleoptera: Curculionidae) in a Northern Hardwood Forest. <i>Annals of the Entomological Society of America</i> , 2011 , 104, 59-67	2	5
126	Too close for comfort: effect of trap spacing distance and pattern on statistical inference of behavioral choice tests in the field. <i>Entomologia Experimentalis Et Applicata</i> , 2010 , 136, 66-71	2.1	12
125	Performance of the invasive weevil <i>Polydrusus sericeus</i> is influenced by atmospheric CO ₂ and host species. <i>Agricultural and Forest Entomology</i> , 2010 , 12, 285	1.9	10

124	Variation in complex semiochemical signals arising from insects and host plants. <i>Environmental Entomology</i> , 2010 , 39, 874-82	2.1	11
123	Geographic variation in bacterial communities associated with the red turpentine beetle (Coleoptera: Curculionidae). <i>Environmental Entomology</i> , 2010 , 39, 406-14	2.1	54
122	Laboratory performance of two polyphagous invasive weevils on the predominant woody plant species of a northern hardwood community. <i>Environmental Entomology</i> , 2010 , 39, 1242-8	2.1	7
121	Host plant phenology affects performance of an invasive weevil, <i>Phyllobius oblongus</i> (Coleoptera: Curculionidae), in a northern hardwood forest. <i>Environmental Entomology</i> , 2010 , 39, 1539-44	2.1	15
120	Effect of clonal variation among hybrid poplars on susceptibility of gypsy moth (Lepidoptera: Lymantriidae) to <i>Bacillus thuringiensis</i> subsp. <i>kurstaki</i> . <i>Journal of Economic Entomology</i> , 2010 , 103, 718-25 ²	2.2	4
119	Predisposition to bark beetle attack by root herbivores and associated pathogens: Roles in forest decline, gap formation, and persistence of endemic bark beetle populations. <i>Forest Ecology and Management</i> , 2010 , 259, 374-382	3.9	37
118	Robustness of the bacterial community in the cabbage white butterfly larval midgut. <i>Microbial Ecology</i> , 2010 , 59, 199-211	4.4	96
117	Symbiosis research, technology, and education: Proceedings of the 6th International Symbiosis Society Congress held in Madison Wisconsin, USA, August 2009. <i>Symbiosis</i> , 2010 , 51, 1-12	3	1
116	Chemical modulators of the innate immune response alter gypsy moth larval susceptibility to <i>Bacillus thuringiensis</i> . <i>BMC Microbiology</i> , 2010 , 10, 129	4.5	34
115	Assemblage of Hymenoptera arriving at logs colonized by <i>Ips pini</i> (Coleoptera: Curculionidae: Scolytinae) and its microbial symbionts in western Montana. <i>Canadian Entomologist</i> , 2009 , 141, 172-199 ^{0.7}	0.7	6
114	Contributions of gut bacteria to <i>Bacillus thuringiensis</i> -induced mortality vary across a range of Lepidoptera. <i>BMC Biology</i> , 2009 , 7, 11	7.3	111
113	Survey and phylogenetic analysis of culturable microbes in the oral secretions of three bark beetle species. <i>Entomologia Experimentalis Et Applicata</i> , 2009 , 131, 138-147	2.1	23
112	Mate-finding failure as an important cause of Allee effects along the leading edge of an invading insect population. <i>Entomologia Experimentalis Et Applicata</i> , 2009 , 133, 307-314	2.1	48
111	Resident microbiota of the gypsy moth midgut harbors antibiotic resistance determinants. <i>DNA and Cell Biology</i> , 2009 , 28, 109-17	3.6	64
110	Movement of outbreak populations of mountain pine beetle: influences of spatiotemporal patterns and climate. <i>Ecography</i> , 2008 , 31, 348-358	6.5	145
109	The enemy of my enemy is still my enemy: competitors add to predator load of a tree-killing bark beetle. <i>Agricultural and Forest Entomology</i> , 2008 , 10, 411-421	1.9	25
108	Cross-scale Drivers of Natural Disturbances Prone to Anthropogenic Amplification: The Dynamics of Bark Beetle Eruptions. <i>BioScience</i> , 2008 , 58, 501-517	5.7	1155
107	Spatial-Temporal Modeling of Forest Gaps Generated by Colonization From Below- and Above-Ground Bark Beetle Species. <i>Journal of the American Statistical Association</i> , 2008 , 103, 162-177	2.8	19

106	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). <i>Nematology</i> , 2008 , 10, 925-955	0.9	21
105	Gut Microbiota of an Invasive Subcortical Beetle, Agrilus planipennis Fairmaire, Across Various Life Stages. <i>Environmental Entomology</i> , 2008 , 37, 1344-1353	2.1	63
104	Gut microbiota of an invasive subcortical beetle, Agrilus planipennis Fairmaire, across various life stages. <i>Environmental Entomology</i> , 2008 , 37, 1344-53	2.1	53
103	Multipartite symbioses among fungi, mites, nematodes, and the spruce beetle, Dendroctonus rufipennis. <i>Environmental Entomology</i> , 2008 , 37, 956-63	2.1	31
102	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. <i>Environmental Entomology</i> , 2008 , 37, 1174-84	2.1	7
101	Parasitoids and dipteran predators exploit volatiles from microbial symbionts to locate bark beetles. <i>Environmental Entomology</i> , 2008 , 37, 150-61	2.1	27
100	Continuous time modelling of dynamical spatial lattice data observed at sparsely distributed times. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2007 , 69, 701-713	3.9	5
99	Phylogeography of spruce beetles (Dendroctonus rufipennis Kirby) (Curculionidae: Scolytinae) in North America. <i>Molecular Ecology</i> , 2007 , 16, 2560-73	5.7	52
98	Can chemical communication be cryptic? Adaptations by herbivores to natural enemies exploiting prey semiochemistry. <i>Oecologia</i> , 2007 , 153, 1009-19	2.9	31
97	Signal mimics derived from a metagenomic analysis of the gypsy moth gut microbiota. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 3669-76	4.8	64
96	Interactions among intraspecific competition, emergence patterns, and host selection behaviour in Ips pini (Coleoptera: Scolytinae). <i>Ecological Entomology</i> , 2007 , 32, 162-171	2.1	23
95	Bacteria in oral secretions of an endophytic insect inhibit antagonistic fungi. <i>Ecological Entomology</i> , 2006 , 31, 636-645	2.1	150
94	Characterization of Gut-Associated Bacteria in Larvae and Adults of the Southern Pine Beetle, Dendroctonus frontalis Zimmermann. <i>Environmental Entomology</i> , 2006 , 35, 1710-1717	2.1	66
93	Characterization of Gut-Associated Bacteria in Larvae and Adults of the Southern Pine Beetle, Dendroctonus frontalis Zimmermann. <i>Environmental Entomology</i> , 2006 , 35, 1710-1717	2.1	33
92	Bacteria Associated with the Guts of Two Wood-Boring Beetles: Anoplophora glabripennis and Saperda vestita (Cerambycidae). <i>Environmental Entomology</i> , 2006 , 35, 625-629	2.1	99
91	Midgut bacteria required for Bacillus thuringiensis insecticidal activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 15196-9	11.5	284
90	Landscape level analysis of mountain pine beetle in British Columbia, Canada: spatiotemporal development and spatial synchrony within the present outbreak. <i>Ecography</i> , 2006 , 29, 427-441	6.5	170
89	Response of ground beetle (Carabidae) assemblages to logging history in northern hardwood hemlock forests. <i>Forest Ecology and Management</i> , 2006 , 222, 335-347	3.9	56

88	Is the outbreak status of Thrips calcaratus Uzel in North America due to altered host relationships? <i>Forest Ecology and Management</i> , 2006 , 225, 200-206	3.9	1
87	Sources of insect and plant volatiles attractive to cottonwood leaf beetles feeding on hybrid poplar. <i>Journal of Chemical Ecology</i> , 2006 , 32, 2585-94	2.7	15
86	Interactions Among Conifer Terpenoids and Bark Beetles Across Multiple Levels of Scale: An Attempt to Understand Links Between Population Patterns and Physiological Processes. <i>Recent Advances in Phytochemistry</i> , 2005 , 39, 79-118		95
85	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). <i>Environmental Entomology</i> , 2005 , 34, 541-547	2.1	89
84	Quantifying sources of variation in the frequency of fungi associated with spruce beetles: Implications for hypothesis testing and sampling methodology in bark beetle-fungal relationships. <i>Forest Ecology and Management</i> , 2005 , 217, 187-202	3.9	35
83	Effects of Diterpene Acids on Components of a Conifer Bark Beetle-Fungal Interaction: Tolerance by <i>Ips pini</i> and Sensitivity by Its Associate <i>Ophiostoma ips</i> . <i>Environmental Entomology</i> , 2005 , 34, 486-493	2.1	60
82	Selective manipulation of predators using pheromones: responses to frontalin and ipsdienol pheromone components of bark beetles in the Great Lakes region. <i>Agricultural and Forest Entomology</i> , 2005 , 7, 193-200	1.9	23
81	Modeling flight activity and population dynamics of the pine engraver, <i>Ips pini</i> , in the Great Lakes region: effects of weather and predators over short time scales. <i>Population Ecology</i> , 2005 , 47, 61-69	2.1	27
80	Components of Antagonism and Mutualism in <i>Ips pini</i> -Fungal Interactions: Relationship to a Life History of Colonizing Highly Stressed and Dead Trees. <i>Environmental Entomology</i> , 2004 , 33, 28-34	2.1	46
79	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. <i>Annals of the Entomological Society of America</i> , 2004 , 97, 117-129	2	18
78	Does aggregation benefit bark beetles by diluting predation? Links between a group-colonisation strategy and the absence of emergent multiple predator effects. <i>Ecological Entomology</i> , 2004 , 29, 129-138	3.8	61
77	Census of the bacterial community of the gypsy moth larval midgut by using culturing and culture-independent methods. <i>Applied and Environmental Microbiology</i> , 2004 , 70, 293-300	4.8	357
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