Finbarr G Horgan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8998627/publications.pdf

Version: 2024-02-01

113 papers	2,945 citations	201575 27 h-index	214721 47 g-index
115 all docs	115 docs citations	115 times ranked	3265 citing authors

#	Article	IF	Citations
1	The database of the <scp>PREDICTS</scp> (Projecting Responses of Ecological Diversity In Changing) Tj ETQq1 1 0.784314 rgBT /Ov	0.8	186
2	Rice Resistance to Planthoppers and Leafhoppers. Critical Reviews in Plant Sciences, 2013, 32, 162-191.	2.7	179
3	The <scp>PREDICTS</scp> database: a global database of how local terrestrial biodiversity responds to human impacts. Ecology and Evolution, 2014, 4, 4701-4735.	0.8	178
4	Impact of invasive apple snails on the functioning and services of natural andÂmanaged wetlands. Acta Oecologica, 2014, 54, 90-100.	0.5	122
5	A review of principles for sustainable pest management in rice. Crop Protection, 2012, 32, 54-63.	1.0	98
6	Pathogen prevalence in commercially reared bumble bees and evidence of spillover in conspecific populations. Biological Conservation, 2013, 159, 269-276.	1.9	97
7	Promoting multiple ecosystem services with flower strips and participatory approaches in rice production landscapes. Basic and Applied Ecology, 2015, 16, 681-689.	1.2	77
8	Virulence of brown planthopper (Nilaparvata lugens) populations from South and South East Asia against resistant rice varieties. Crop Protection, 2015, 78, 222-231.	1.0	70
9	Effects of deforestation on diversity, biomass and function of dung beetles on the eastern slopes of the Peruvian Andes. Forest Ecology and Management, 2005, 216, 117-133.	1.4	69
10	Landscape composition, configuration, and trophic interactions shape arthropod communities in rice agroecosystems. Journal of Applied Ecology, 2018, 55, 2461-2472.	1.9	62
11	Risk assessment for tailings dams in Brumadinho of Brazil using InSAR time series approach. Science of the Total Environment, 2020, 717, 137125.	3.9	59
12	Burial of bovine dung by coprophagous beetles (Coleoptera: Scarabaeidae) from horse and cow grazing sites in El Salvador. European Journal of Soil Biology, 2001, 37, 103-111.	1.4	50
13	Aspects of brown planthopper adaptation to resistant rice varieties with the Bph3 gene. Entomologia Experimentalis Et Applicata, 2011, 141, 245-257.	0.7	50
14	Planthopper â€œadaptationâ€•to resistant rice varieties: Changes in amino acid composition over time. Journal of Insect Physiology, 2011, 57, 1375-1384.	0.9	47
15	Hybrid rice and insect herbivores in <scp>A</scp>sia. Entomologia Experimentalis Et Applicata, 2013, 148, 1-19.	0.7	46
16	Agricultural landscapes and ecosystem services in South-East Asiaâ€”the LEGATO-Project. Basic and Applied Ecology, 2015, 16, 661-664.	1.2	46
17	Applying Ecological Engineering for Sustainable and Resilient Rice Production Systems. Procedia Food Science, 2016, 6, 7-15.	0.6	41
18	Responses by farmers to the apple snail invasion of Ecuador's rice fields and attitudes toward predatory snail kites. Crop Protection, 2014, 62, 135-143.	1.0	38

#	Article	IF	Citations
19	Integrating gene deployment and crop management for improved rice resistance to Asian planthoppers. Crop Protection, 2018, 110, 21-33.	1.0	38
20	Symbiont-mediated adaptation by planthoppers and leafhoppers to resistant rice varieties. Arthropod-Plant Interactions, 2013, 7, 591-605.	0.5	35
21	Resilience and adaptability of rice terrace social-ecological systems: a case study of a local community’s perception in Banaue, Philippines. Ecology and Society, 2016, 21, .	1.0	35
22	Dung beetle assemblages in forests and pastures of El Salvador: a functional comparison. Biodiversity and Conservation, 2008, 17, 2961-2978.	1.2	32
23	Effects of Vegetation Strips, Fertilizer Levels and Varietal Resistance on the Integrated Management of Arthropod Biodiversity in a Tropical Rice Ecosystem. Insects, 2019, 10, 328.	1.0	32
24	Compensatory mechanisms of litter decomposition under alternating moisture regimes in tropical rice fields. Applied Soil Ecology, 2016, 107, 79-90.	2.1	31
25	Varied responses by yeast-like symbionts during virulence adaptation in a monophagous phloem-feeding insect. Arthropod-Plant Interactions, 2015, 9, 215-224.	0.5	30
26	Shady field boundaries and the colonisation of dung by coprophagous beetles in Central American pastures. Agriculture, Ecosystems and Environment, 2002, 91, 25-36.	2.5	29
27	Aggregated distribution of resources creates competition refuges for rainforest dung beetles. Ecography, 2005, 28, 603-618.	2.1	29
28	Population genetic structure of Bombus terrestris in Europe: Isolation and genetic differentiation of Irish and British populations. Molecular Ecology, 2015, 24, 3257-3268.	2.0	29
29	Ecological engineering with high diversity vegetation patches enhances bird activity and ecosystem services in Philippine rice fields. Regional Environmental Change, 2017, 17, 1355-1367.	1.4	29
30	Regional-scale effects override the influence of fine-scale landscape heterogeneity on rice arthropod communities. Agriculture, Ecosystems and Environment, 2017, 246, 269-278.	2.5	29
31	Resistance and tolerance to the brown planthopper, Nilaparvata lugens (StÃ¥l), in rice infested at different growth stages across a gradient of nitrogen applications. Field Crops Research, 2018, 217, 53-65.	2.3	29
32	Asymmetrical competition between Neotropical dung beetles and its consequences for assemblage structure. Ecological Entomology, 2005, 30, 182-193.	1.1	28
33	Susceptibility and tolerance in hybrid and pure-line rice varieties to herbivore attack: biomass partitioning and resource-based compensation in response to damage. Annals of Applied Biology, 2016, 169, 200-213.	1.3	27
34	Effects of bund crops and insecticide treatments on arthropod diversity and herbivore regulation in tropical rice fields. Journal of Applied Entomology, 2017, 141, 587-599.	0.8	27
35	Farming on the edge: Farmer training to mitigate human-wildlife conflict at an agricultural frontier in south Sri Lanka. Crop Protection, 2020, 127, 104981.	1.0	26
36	Effects of altitude of origin on trichome-mediated anti-herbivore resistance in wild Andean potatoes. Flora: Morphology, Distribution, Functional Ecology of Plants, 2009, 204, 49-62.	0.6	25

#	Article	IF	Citations
37	Dung beetles in pasture landscapes of Central America: proliferation of synanthropogenic species and decline of forest specialists. Biodiversity and Conservation, 2007, 16, 2149-2165.	1.2	23
38	Effects of nitrogen on egg-laying inhibition and ovicidal response in planthopper-resistant rice varieties. Crop Protection, 2016, 89, 223-230.	1.0	23
39	Enhancing theÂparasitism of insect herbivores through diversification of habitat in Philippine rice fields. Paddy and Water Environment, 2018, 16, 379-390.	1.0	23
40	Periderm- and cortex-based resistance to tuber-feeding PhthorimaeaÂoperculella in two wild potato species. Entomologia Experimentalis Et Applicata, 2007, 125, 249-258.	0.7	22
41	Effects of fertiliser applications on survival and recruitment of the apple snail, Pomacea canaliculata (Lamarck). Crop Protection, 2014, 64, 78-87.	1.0	22
42	Effects of Residue Management on Decomposition in Irrigated Rice Fields Are Not Related to Changes in the Decomposer Community. PLoS ONE, 2015, 10, e0134402.	1.1	22
43	Geographic and Research Center Origins of Rice Resistance to Asian Planthoppers and Leafhoppers: Implications for Rice Breeding and Gene Deployment. Agronomy, 2017, 7, 62.	1.3	22
44	Current utility of the BPH25 and BPH26 genes and possibilities for further resistance against plant- and leafhoppers from the donor cultivar ADR52. Applied Entomology and Zoology, 2015, 50, 533-543.	0.6	21
45	Changes in insecticide resistance and host range performance of planthoppers artificially selected to feed on resistant rice. Crop Protection, 2020, 127, 104963.	1.0	21
46	Variable responses of tuber moth to the leaf trichomes of wild potatoes. Entomologia Experimentalis Et Applicata, 2007, 125, 1-12.	0.7	20
47	Rice ecosystem services in South-east Asia. Paddy and Water Environment, 2018, 16, 211-224.	1.0	20
48	Biological Control of Lepidopteran Pests in Rice: A Multi-Nation Case Study From Asia. Journal of Integrated Pest Management, 2020, 11, .	0.9	20
49	<scp>CropPol</scp>: A dynamic, open and global database on crop pollination. Ecology, 2022, 103, e3614.	1.5	19
50	Benefits and potential tradeâ€offs associated with yeastâ€like symbionts during virulence adaptation in a phloemâ€feeding planthopper. Entomologia Experimentalis Et Applicata, 2017, 163, 112-125.	0.7	18
51	Interactions between predatory ground beetles, the winter moth and an introduced parasitoid on the Lower Mainland of British Columbia. Pedobiologia, 2004, 48, 23-35.	0.5	17
52	Planthopperâ€rice interactions: unequal stresses on pureâ€line and hybrid rice under similar experimental conditions. Entomologia Experimentalis Et Applicata, 2013, 147, 18-32.	0.7	17
53	Responses by the brown planthopper, <scp>N</scp>ilaparvata lugens, to conspecific density on resistant and susceptible rice varieties. Entomologia Experimentalis Et Applicata, 2016, 158, 284-294.	0.7	17
54	Interactions between nymphs of Nilaparvata lugens and Sogatella furcifera (Hemiptera: Delphacidae) on resistant and susceptible rice varieties. Applied Entomology and Zoology, 2016, 51, 81-90.	0.6	17

#	Article	IF	Citations
55	The stadium effect: rodent damage patterns in rice fields explored using givingâ€up densities. Integrative Zoology, 2017, 12, 438-445.	1.3	17
56	The Development and Characterization of Near-Isogenic and Pyramided Lines Carrying Resistance Genes to Brown Planthopper with the Genetic Background of Japonica Rice (Oryza sativa L.). Plants, 2019, 8, 498.	1.6	17
57	Global distribution patterns provide evidence of niche shift by the introduced African dung beetle Digitonthophagus gazella. Entomologia Experimentalis Et Applicata, 2020, 168, 766-782.	0.7	17
58	Registros de una especie invasora de escarabajo coprÃ³fago, Digitonthophagus gazella (Fabricius, 1787) (Coleoptera: Scarabaeidae), en PerÃº. Acta ZoolÃ³gica Mexicana, 2010, 26, 451-456.	1.1	17
59	Cyzenis albicans (Diptera: Tachinidae) Does Not Prevent the Outbreak of Winter Moth (Lepidoptera: Geometridae) in Birch Stands and Blueberry Plots on the Lower Mainland of British Columbia. Environmental Entomology, 1999, 28, 96-107.	0.7	16
60	Responses and adaptation by <scp>N</scp>ephotettix virescens to monogenic and pyramided rice lines with <scp>G</scp>rhâ€resistance genes. Entomologia Experimentalis Et Applicata, 2014, 150, 179-190.	0.7	16
61	The ecophysiology of apple snails in rice: implications for crop management and policy. Annals of Applied Biology, 2018, 172, 245-267.	1.3	15
62	Seedling broadcasting as a potential method to reduce apple snail damage to rice. Crop Protection, 2014, 64, 168-176.	1.0	14
63	Temperature-dependent oviposition and nymph performance reveal distinct thermal niches of coexisting planthoppers with similar thresholds for development. PLoS ONE, 2020, 15, e0235506.	1.1	14
64	Elevated temperatures diminish the effects of a highly resistant rice variety on the brown planthopper. Scientific Reports, 2021, 11, 262.	1.6	14
65	Aggregation and coexistence of dung beetles in montane rain forest and deforested sites in central Peru. Journal of Tropical Ecology, 2006, 22, 359-370.	0.5	12
66	Invasion and retreat: shifting assemblages of dung beetles amidst changing agricultural landscapes in central Peru. Biodiversity and Conservation, 2009, 18, 3519-3541.	1.2	12
67	Traditional â€˜maaveeâ€™ rice production in Sri Lanka: environmental, economic and social pressures revealed through stakeholder interviews. Paddy and Water Environment, 2018, 16, 225-241.	1.0	12
68	Local-Scale Bat Guild Activity Differs with Rice Growth Stage at Ground Level in the Philippines. Diversity, 2019, 11, 148.	0.7	12
69	Use and Avoidance of Pesticides as Responses by Farmers to change Impacts in Rice Ecosystems of Southern Sri Lanka. Environmental Management, 2020, 65, 787-803.	1.2	12
70	Stem borers revisited: Host resistance, tolerance, and vulnerability determine levels of field damage from a complex of Asian rice stemborers. Crop Protection, 2021, 142, 105513.	1.0	12
71	Tradeâ€off between foliage and tuber resistance to PhthorimaeaÂoperculella in wild potatoes. Entomologia Experimentalis Et Applicata, 2009, 131, 130-137.	0.7	11
72	Variations in resistance against Phthorimaea operculella in wild potato tubers. Entomologia Experimentalis Et Applicata, 2010, 137, 269-279.	0.7	11

#	Article	IF	Citations
73	Potato Resistance Against Insect Herbivores. , 2013, , 439-462.		11
74	Does <scp>N</scp>ilaparvata lugens gain tolerance to rice resistance genes through conspecifics at shared feeding sites?. Entomologia Experimentalis Et Applicata, 2016, 160, 77-82.	0.7	11
75	The LEGATO cross-disciplinary integrated ecosystem service research framework: an example of integrating research results from the analysis of global change impacts and the social, cultural and economic system dynamics of irrigated rice production. Paddy and Water Environment, 2018, 16, 287-319.	1.0	11
76	Microbiome responses during virulence adaptation by a phloemâ€feeding insect to resistant nearâ€isogenic rice lines. Ecology and Evolution, 2019, 9, 11911-11929.	0.8	11
77	Unanticipated benefits and potential ecological costs associated with pyramiding leafhopper resistance loci in rice. Crop Protection, 2019, 115, 47-58.	1.0	11
78	Hooded Crow Foraging from Dung Pats: Implications for the Structure of Dung Beetle Assemblages. Biology and Environment, 2004, 104, 119-124.	0.2	11
79	Reducing seed-densities in rice seedbeds improves the cultural control of apple snail damage. Crop Protection, 2014, 62, 23-31.	1.0	10
80	Reduced efficiency of tropical flies (Diptera) in the decomposition of snail cadavers following molluscicide poisoning. Applied Soil Ecology, 2018, 129, 61-71.	2.1	10
81	Landscape heterogeneity filters functional traits of rice arthropods in tropical agroecosystems. Ecological Applications, 2022, 32, e2560.	1.8	10
82	Positive and negative interspecific interactions between coexisting rice planthoppers neutralise the effects of elevated temperatures. Functional Ecology, 2021, 35, 181-192.	1.7	9
83	Effects of silicon soil amendments and nitrogen fertilizer on apple snail (Ampullariidae) damage to rice seedlings. Crop Protection, 2017, 91, 123-131.	1.0	8
84	Nitrogenous Fertilizer Reduces Resistance but Enhances Tolerance to the Brown Planthopper in Fast-Growing, Moderately Resistant Rice. Insects, 2021, 12, 989.	1.0	8
85	Life Histories and Fitness of Two Tuber Moth Species Feeding on Native Andean Potatoes. Neotropical Entomology, 2012, 41, 333-340.	0.5	7
86	Population development of rice black bug, Scotinophara latiuscula (Breddin), under varying nitrogen in a field experiment. Entomologia Generalis, 2017, 37, 19-33.	1.1	7
87	Changes in reflectance of rice seedlings during planthopper feeding as detected by digital camera: Potential applications for high-throughput phenotyping. PLoS ONE, 2020, 15, e0238173.	1.1	7
88	Restoration of Rice Ecosystem Services: â€˜Ecological Engineering for Pest Managementâ€™ Incentives and Practices in the Mekong Delta Region of Vietnam. Agronomy, 2022, 12, 1042.	1.3	7
89	The effect of temperature on hatch and activity of second-stage juveniles of the root-knot nematode, Meloidogyne minor, an emerging pest in north-west Europe. Nematology, 2011, 13, 985-993.	0.2	6
90	Ecology and Management of Apple Snails in Rice. , 2017, , 393-417.		6

#	Article	IF	Citations
91	Virulence adaptation in a rice leafhopper: Exposure to ineffective genes compromises pyramided resistance. Crop Protection, 2018, 113, 40-47.	1.0	6
92	Potential for an Impact of Global Climate Change on Insect Herbivory in Cereal Crops. , 2020, , 101-144.		6
93	Emerging Patterns in Cultural Ecosystem Services as Incentives and Obstacles for Raptor Conservation. Birds, 2021, 2, 185-206.	0.6	6
94	Costs to Ecuador's rice sector during the first decade of an apple snail invasion and policy recommendations for regions at risk. Crop Protection, 2021, 148, 105746.	1.0	6
95	Insect Herbivores of Rice: Their Natural Regulation and Ecologically Based Management. , 2017, , 279-302.		6
96	Bumblebee (Hymenoptera: Apidae) sample storage for a posteriori molecular studies: Interactions between sample storage and DNA-extraction techniques. European Journal of Entomology, 2013, 110, 419-425.	1.2	6
97	Intraspecific competition counters the effects of elevated and optimal temperatures on phloem-feeding insects in tropical and temperate rice. PLoS ONE, 2020, 15, e0240130.	1.1	6
98	Ecology and conservation of insectivorous bats in fragmented areas of macadamia production in eastern Australia. Austral Ecology, 2017, 42, 597-610.	0.7	5
99	Differences Between the Strength of Preferenceâ€“Performance Coupling in Two Rice Stemborers (Lepidoptera: Pyralidae, Crambidae) Promotes Coexistence at Field-Plot Scales. Environmental Entomology, 2021, 50, 929-939.	0.7	5
100	Adaptation by the Brown Planthopper to Resistant Rice: A Test of Female-Derived Virulence and the Role of Yeast-like Symbionts. Insects, 2021, 12, 908.	1.0	5
101	Interactions between Rice Resistance to Planthoppers and Honeydew-Related Egg Parasitism under Varying Levels of Nitrogenous Fertilizer. Insects, 2022, 13, 251.	1.0	5
102	Predatory Hypogaeic Beetles are Attracted to Buried Winter Moth (Lepidoptera: Geometridae) Pupae: Evidence Using a New Trap Design. The Coleopterists Bulletin, 2005, 59, 41-46.	0.1	4
103	Effects of detritivorous invertebrates on the decomposition of rice straw: evidence from a microcosm experiment. Paddy and Water Environment, 2018, 16, 279-286.	1.0	4
104	Two types of refuge have opposite effects on the size of larval aggregations in a tropical defoliator. European Journal of Entomology, 2005, 102, 225-230.	1.2	4
105	USING LEARNER-GENERATED DIGITAL MEDIA (LGDM) AS AN ASSESSMENT TOOL IN GEOLOGICAL SCIENCES. , 2017, , .		4
106	Compatibility of Insecticides with Rice Resistance to Planthoppers as Influenced by the Timing and Frequency of Applications. Insects, 2022, 13, 106.	1.0	4
107	Rice Resistance Buffers against the Induced Enhancement of Brown Planthopper Fitness by Some Insecticides. Crops, 2021, 1, 166-184.	0.6	4
108	Risk Assessment and Area-Wide Crop Rotation to Keep Western Corn Rootworm below Damage Thresholds and Avoid Insecticide Use in European Maize Production. Insects, 2022, 13, 415.	1.0	4

#	Article	IF	Citations
109	Rice Ecosystem Services in South-East Asia: The LEGATO Project, Its Approaches and Main Results with a Focus on Biocontrol Services. , 2019, , 373-382.		2
110	Efficacy and Cost-Effectiveness of Phenotyping for Rice Resistance and Tolerance to Planthoppers. Insects, 2021, 12, 847.	1.0	2
111	Combined Effects of Soil Silicon and Host Plant Resistance on Planthoppers, Blast and Bacterial Blight in Tropical Rice. Insects, 2022, 13, 604.	1.0	2
112	Bioacoustics Reveal Species-Rich Avian Communities Exposed to Organophosphate Insecticides in Macadamia Orchards. Birds, 2020, 1, 35-52.	0.6	1
113	Death in the paddy field: Carcass decomposition and associated arthropods in subunits of a rice field landscape. Forensic Science International, 2022, 335, 111288.	1.3	1