

# Neil Coughlan

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

922  
citations

516710

16  
h-index

580821

25  
g-index

58  
all docs

58  
docs citations

58  
times ranked

936  
citing authors

#	ARTICLE	IF	CITATIONS
1	Duckweed bioreactors: Challenges and opportunities for large-scale indoor cultivation of Lemnaceae. <i>Journal of Cleaner Production</i> , 2022, 336, 130285.	9.3	26
2	Retention of viability by fragmented invasive <i>Crassula helmsii</i> , <i>Elodea canadensis</i> and <i>Lagarosiphon major</i> . <i>River Research and Applications</i> , 2022, 38, 1356-1361.	1.7	5
3	Dynamic algorithmic conversion of compressed sward height to dry matter yield by a rising plate meter. <i>Computers and Electronics in Agriculture</i> , 2022, 196, 106919.	7.7	2
4	When worlds collide: Invader-driven benthic habitat complexity alters predatory impacts of invasive and native predatory fishes. <i>Science of the Total Environment</i> , 2022, 843, 156876.	8.0	3
5	Abiotic and biotic correlates of the occurrence, extent and cover of invasive aquatic <i>Elodea nuttallii</i> . <i>Freshwater Biology</i> , 2022, 67, 1559-1570.	2.4	6
6	Gimme Shelter: differential utilisation and propagule creation of invasive macrophytes by native caddisfly larvae. <i>Biological Invasions</i> , 2021, 23, 95-109.	2.4	3
7	Light intensity alters the phytoremediation potential of <i>Lemna minor</i> . <i>Environmental Science and Pollution Research</i> , 2021, 28, 16394-16407.	5.3	18
8	Smoke on the Water: Comparative Assessment of Combined Thermal Shock Treatments for Control of Invasive Asian Clam, <i>Corbicula fluminea</i> . <i>Environmental Management</i> , 2021, 68, 117-125.	2.7	2
9	Breathing space: deoxygenation of aquatic environments can drive differential ecological impacts across biological invasion stages. <i>Biological Invasions</i> , 2021, 23, 2831-2847.	2.4	20
10	Biometric conversion factors as a unifying platform for comparative assessment of invasive freshwater bivalves. <i>Journal of Applied Ecology</i> , 2021, 58, 1945-1956.	4.0	8
11	Density Dependence Influences the Efficacy of Wastewater Remediation by <i>Lemna minor</i> . <i>Plants</i> , 2021, 10, 1366.	3.5	13
12	Microplastics do not affect the feeding rates of a marine predator. <i>Science of the Total Environment</i> , 2021, 779, 146487.	8.0	20
13	Hares in the long grass: increased aircraft related mortality of the Irish hare ( <i>Lepus timidus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Research, 2021, 67, 1.	1.4	3
14	Marine heat waves differentially affect functioning of native ( <i>Ostrea edulis</i> ) and invasive ( <i>Crassostrea [Magallana] gigas</i> ) oysters in tidal pools. <i>Marine Environmental Research</i> , 2021, 172, 105497.	2.5	10
15	Alternative prey impedes the efficacy of a natural enemy of mosquitoes. <i>Biological Control</i> , 2020, 141, 104146.	3.0	6
16	Sink trap: duckweed and dye attractant reduce mosquito populations. <i>Medical and Veterinary Entomology</i> , 2020, 34, 97-104.	1.5	1
17	Ingestion of anthropogenic debris by migratory barnacle geese <i>Branta leucopsis</i> on a remote north-eastern Atlantic island. <i>Marine Pollution Bulletin</i> , 2020, 160, 111588.	5.0	5
18	In the black: Information harmonisation and educational potential amongst international databases for invasive alien species designated as of Union Concern. <i>Global Ecology and Conservation</i> , 2020, 24, e01332.	2.1	2

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19	Using structured eradication feasibility assessment to prioritize the management of new and emerging invasive alien species in Europe. <i>Global Change Biology</i> , 2020, 26, 6235-6250.	9.5	22
20	Virtual fencing without visual cues: Design, difficulties of implementation, and associated dairy cow behaviour. <i>Computers and Electronics in Agriculture</i> , 2020, 176, 105613.	7.7	22
21	Using open-source software and digital imagery to efficiently and objectively quantify cover density of an invasive alien plant species. <i>Journal of Environmental Management</i> , 2020, 266, 110519.	7.8	12
22	Friends of mine: An invasive freshwater mussel facilitates growth of invasive macrophytes and mediates their competitive interactions. <i>Freshwater Biology</i> , 2020, 65, 1063-1072.	2.4	21
23	Touch too much: aquatic disinfectant and steam exposure treatments can inhibit further spread of invasive bloody-red mysid shrimp <i>Hemimysis anomala</i> . <i>Wetlands Ecology and Management</i> , 2020, 28, 397-402.	1.5	2
24	Aquatic biosecurity remains a damp squib. <i>Biodiversity and Conservation</i> , 2020, 29, 3091-3093.	2.6	17
25	Steam and Flame Applications as Novel Methods of Population Control for Invasive Asian Clam ( <i>Corbicula fluminea</i> ) and Zebra Mussel ( <i>Dreissena polymorpha</i> ). <i>Environmental Management</i> , 2020, 66, 654-663.	2.7	8
26	The effectiveness of disinfectant and steam exposure treatments to prevent the spread of the highly invasive killer shrimp, <i>Dikerogammarus villosus</i> . <i>Scientific Reports</i> , 2020, 10, 1919.	3.3	17
27	Dead and gone: Steam exposure kills layered clumps of invasive curly waterweed <i>Lagarosiphon major</i> . <i>Aquatic Botany</i> , 2020, 162, 103204.	1.6	3
28	Better off dead: assessment of aquatic disinfectants and thermal shock treatments to prevent the spread of invasive freshwater bivalves. <i>Wetlands Ecology and Management</i> , 2020, 28, 285-295.	1.5	5
29	Aquatic plant extracts and coverage mediate larval mosquito survivorship and development. <i>Biological Control</i> , 2020, 145, 104263.	3.0	2
30	In for the kill: novel biosecurity approaches for invasive and medically important mosquito species. <i>Management of Biological Invasions</i> , 2020, 11, 9-25.	1.2	4
31	Tomorrow Never Dies: biodegradation and subsequent viability of invasive macrophytes following exposure to aquatic disinfectants. <i>Management of Biological Invasions</i> , 2020, 11, 26-43.	1.2	5
32	Horizon scan of invasive alien species for the island of Ireland. <i>Management of Biological Invasions</i> , 2020, 11, 155-177.	1.2	18
33	The Functional Response Ratio (FRR): advancing comparative metrics for predicting the ecological impacts of invasive alien species. <i>Biological Invasions</i> , 2019, 21, 2543-2547.	2.4	53
34	Full steam ahead: direct steam exposure to inhibit spread of invasive aquatic macrophytes. <i>Biological Invasions</i> , 2019, 21, 1311-1321.	2.4	17
35	Driver's Seat: Understanding Divergent Zoochorous Dispersal of Propagules. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	7
36	Stay clean: direct steam exposure to manage biofouling risks. <i>Marine Pollution Bulletin</i> , 2019, 142, 465-469.	5.0	12

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37	Letter to the Editor: Evidence-based farriery – does it exist?. <i>Equine Veterinary Journal</i> , 2019, 51, 136-137.	1.7	0
38	Shorebirds as important vectors for plant dispersal in Europe. <i>Ecography</i> , 2019, 42, 956-967.	4.5	47
39	Die Hard: impact of aquatic disinfectants on the survival and viability of invasive <i>Elodea nuttallii</i> . <i>Aquatic Botany</i> , 2019, 154, 11-17.	1.6	11
40	Shell shocked: high potential impacts on native prey by non-native turtles irrespective of benthic habitat context. <i>Aquatic Invasions</i> , 2019, 14, 758-774.	1.6	5
41	Better biosecurity: spread-prevention of the invasive Asian clam, <i>Corbicula fluminea</i> (Müller, 1774). <i>Management of Biological Invasions</i> , 2019, 10, 111-126.	1.2	12
42	Beds Are Burning: eradication and control of invasive Asian clam, <i>Corbicula fluminea</i> , with rapid open-flame burn treatments. <i>Management of Biological Invasions</i> , 2019, 10, 486-499.	1.2	5
43	Muddy waters: Efficacious predation of container-breeding mosquitoes by a newly-described calanoid copepod across differential water clarities. <i>Biological Control</i> , 2018, 127, 25-30.	3.0	11
44	Parched plants: survival and viability of invasive aquatic macrophytes following exposure to various desiccation regimes. <i>Aquatic Botany</i> , 2018, 150, 9-15.	1.6	34
45	A dip or a dab: assessing the efficacy of Virasure® Aquatic disinfectant to reduce secondary spread of the invasive curly waterweed <i>Lagarosiphon major</i> . <i>Management of Biological Invasions</i> , 2018, 9, 259-265.	1.2	13
46	Cold as Ice: a novel eradication and control method for invasive Asian clam, <i>Corbicula fluminea</i> , using pelleted dry ice. <i>Management of Biological Invasions</i> , 2018, 9, 463-474.	1.2	13
47	Communications, outreach and citizen science: spreading the word about invasive alien species. <i>Management of Biological Invasions</i> , 2018, 9, 415-425.	1.2	32
48	Bat collisions with civil aircraft in the Republic of Ireland over a decade suggest negligible impact on aviation safety. <i>European Journal of Wildlife Research</i> , 2017, 63, 1.	1.4	6
49	Up, up and away: bird-mediated ectozoochorous dispersal between aquatic environments. <i>Freshwater Biology</i> , 2017, 62, 631-648.	2.4	76
50	Zoochorous dispersal of freshwater bivalves: an overlooked vector in biological invasions?. <i>Knowledge and Management of Aquatic Ecosystems</i> , 2017, , 42.	1.1	27
51	“Step by step”: high frequency short-distance epizoochorous dispersal of aquatic macrophytes. <i>Biological Invasions</i> , 2017, 19, 625-634.	2.4	37
52	Tackling invasive alien species in Europe II: threats and opportunities until 2020. <i>Management of Biological Invasions</i> , 2017, 8, 273-286.	1.2	52
53	First record of the Asian clam <i>Corbicula fluminea</i> (Müller, 1774) (Bivalvia, Cyrenidae) in Northern Ireland. <i>BioInvasions Records</i> , 2016, 5, 239-244.	1.1	12
54	Humid microclimates within the plumage of mallard ducks ( <i>Anas platyrhynchos</i> ) can potentially facilitate long distance dispersal of propagules. <i>Acta Oecologica</i> , 2015, 65-66, 17-23.	1.1	17

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55	Mallard duck ( <i>Anas platyrhynchos</i> )-mediated dispersal of <i>Lemnaceae</i> : a contributing factor in the spread of invasive <i>Lemna minuta</i> ? Plant Biology, 2015, 17, 108-114.	3.8	38
56	Assessing the relative potential ecological impacts and invasion risks of emerging and future invasive alien species. NeoBiota, 0, 40, 1-24.	1.0	34
57	On the RIP: using Relative Impact Potential to assess the ecological impacts of invasive alien species. NeoBiota, 0, 55, 27-60.	1.0	40