

Katriona Shea

List of Publications by Year in descending order

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Version: 2024-02-01

155
papers

8,429
citations

87401

40
h-index

66518

82
g-index

162
all docs

162
docs citations

162
times ranked

11073
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Challenges in estimation, uncertainty quantification and elicitation for pandemic modelling. <i>Epidemics</i> , 2022, 38, 100547. | 1.5 | 20 |
| 2 | Optimizing management of invasions in an uncertain world using dynamic spatial models. <i>Ecological Applications</i> , 2022, 32, e2628. | 1.8 | 5 |
| 3 | Pest management in future climates: Warming reduces physical weed management effectiveness. <i>Ecological Applications</i> , 2022, 32, e2633. | 1.8 | 2 |
| 4 | Disturbance-mediated invasions are dependent on community resource abundance. <i>Ecology</i> , 2022, 103, e3728. | 1.5 | 4 |
| 5 | Pulse and Press Disturbances Have Different Effects on Transient Community Dynamics. <i>American Naturalist</i> , 2022, 200, 571-583. | 1.0 | 7 |
| 6 | Whole community invasions and the integration of novel ecosystems. <i>PLoS Computational Biology</i> , 2022, 18, e1010151. | 1.5 | 7 |
| 7 | Oviposition response of the biocontrol agent <i>Rhinocyllus conicus</i> to resource distribution in its invasive host, <i>Carduus nutans</i> . <i>Biological Control</i> , 2021, 152, 104369. | 1.4 | 0 |
| 8 | Warming and shifting phenology accelerate an invasive plant life cycle. <i>Ecology</i> , 2021, 102, e03219. | 1.5 | 21 |
| 9 | Analysing how changes in the health status of healthcare workers affects epidemic outcomes. <i>Epidemiology and Infection</i> , 2021, 149, e42. | 1.0 | 5 |
| 10 | How disturbance history alters invasion success: biotic legacies and regime change. <i>Ecology Letters</i> , 2021, 24, 687-697. | 3.0 | 19 |
| 11 | Political economy of renewable resource federalism. <i>Ecological Applications</i> , 2021, 31, e02276. | 1.8 | 4 |
| 12 | Causes of delayed outbreak responses and their impacts on epidemic spread. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20200933. | 1.5 | 5 |
| 13 | Modeling of Future COVID-19 Cases, Hospitalizations, and Deaths, by Vaccination Rates and Nonpharmaceutical Intervention Scenarios – United States, April–September 2021. <i>Morbidity and Mortality Weekly Report</i> , 2021, 70, 719-724. | 9.0 | 126 |
| 14 | Weighing the unknowns: Value of Information for biological and operational uncertainty in invasion management. <i>Journal of Applied Ecology</i> , 2021, 58, 1621-1630. | 1.9 | 2 |
| 15 | Strategic testing approaches for targeted disease monitoring can be used to inform pandemic decision-making. <i>PLoS Biology</i> , 2021, 19, e3001307. | 2.6 | 9 |
| 16 | Microbes increase thermal sensitivity in the mosquito <i>Aedes aegypti</i> , with the potential to change disease distributions. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009548. | 1.3 | 16 |
| 17 | Duration and timing interactions of early-life stress and the potential for recovery. <i>Ecosphere</i> , 2021, 12, e03620. | 1.0 | 2 |
| 18 | Governance structure affects transboundary disease management under alternative objectives. <i>BMC Public Health</i> , 2021, 21, 1782. | 1.2 | 1 |

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|----|---|-----|-----------|
| 19 | Synergistic interventions to control COVID-19: Mass testing and isolation mitigates reliance on distancing. <i>PLoS Computational Biology</i> , 2021, 17, e1009518. | 1.5 | 8 |
| 20 | Advancing an interdisciplinary framework to study seed dispersal ecology. <i>AoB PLANTS</i> , 2020, 12, plz048. | 1.2 | 30 |
| 21 | Warming Increases Pollen Lipid Concentration in an Invasive Thistle, with Minor Effects on the Associated Floral-Visitor Community. <i>Insects</i> , 2020, 11, 20. | 1.0 | 11 |
| 22 | Anticipating future learning affects current control decisions: A comparison between passive and active adaptive management in an epidemiological setting. <i>Journal of Theoretical Biology</i> , 2020, 506, 110380. | 0.8 | 6 |
| 23 | Uncertainty and the management of epidemics. <i>Nature Methods</i> , 2020, 17, 867-868. | 9.0 | 11 |
| 24 | Harnessing multiple models for outbreak management. <i>Science</i> , 2020, 368, 577-579. | 6.0 | 64 |
| 25 | The SEIRS model for infectious disease dynamics. <i>Nature Methods</i> , 2020, 17, 557-558. | 9.0 | 115 |
| 26 | Disentangling the mechanisms underpinning disturbance-mediated invasion. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20192415. | 1.2 | 19 |
| 27 | Modeling infectious epidemics. <i>Nature Methods</i> , 2020, 17, 455-456. | 9.0 | 75 |
| 28 | Working smarter, not harder: objective-dependent management of an invasive thistle, <i>Carduus nutans</i> . <i>Invasive Plant Science and Management</i> , 2019, 12, 155-160. | 0.5 | 1 |
| 29 | Experimental species introduction shapes network interactions in a plant-pollinator community. <i>Biological Invasions</i> , 2019, 21, 3505-3519. | 1.2 | 16 |
| 30 | Bee community preference for an invasive thistle associated with higher pollen protein content. <i>Oecologia</i> , 2019, 190, 901-912. | 0.9 | 31 |
| 31 | The total dispersal kernel: a review and future directions. <i>AoB PLANTS</i> , 2019, 11, plz042. | 1.2 | 56 |
| 32 | Intrinsic and extrinsic drivers of intraspecific variation in seed dispersal are diverse and pervasive. <i>AoB PLANTS</i> , 2019, 11, plz067. | 1.2 | 53 |
| 33 | Concurrent assessment of epidemiological and operational uncertainties for optimal outbreak control: Ebola as a case study. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190774. | 1.2 | 15 |
| 34 | Context matters: using reinforcement learning to develop human-readable, state-dependent outbreak response policies. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180277. | 1.8 | 16 |
| 35 | Rapid changes in seed dispersal traits may modify plant responses to global change. <i>AoB PLANTS</i> , 2019, 11, plz020. | 1.2 | 32 |
| 36 | Employing plant functional groups to advance seed dispersal ecology and conservation. <i>AoB PLANTS</i> , 2019, 11, plz006. | 1.2 | 27 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Correlation between measles vaccine doses: implications for the maintenance of elimination. <i>Epidemiology and Infection</i> , 2018, 146, 468-475. | 1.0 | 19 |
| 38 | Projecting the recovery of a long-lived deep-sea coral species after the Deepwater Horizon oil spill using state-structured models. <i>Journal of Applied Ecology</i> , 2018, 55, 1812-1822. | 1.9 | 23 |
| 39 | Beyond dose: Pulsed antibiotic treatment schedules can maintain individual benefit while reducing resistance. <i>Scientific Reports</i> , 2018, 8, 5866. | 1.6 | 19 |
| 40 | Measles outbreak response decision-making under uncertainty: a retrospective analysis. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20170575. | 1.5 | 9 |
| 41 | Quantitative evolutionary patterns in bipartite networks: Vicariance, phylogenetic tracking or diffuse co-evolution?. <i>Methods in Ecology and Evolution</i> , 2018, 9, 761-772. | 2.2 | 31 |
| 42 | Impacts of altered disturbance regimes on community structure and biodiversity mediated by fecundity-tolerance interactions. <i>Natural Resource Modelling</i> , 2018, 31, . | 0.8 | 1 |
| 43 | Logistical constraints lead to an intermediate optimum in outbreak response vaccination. <i>PLoS Computational Biology</i> , 2018, 14, e1006161. | 1.5 | 8 |
| 44 | Real-time decision-making during emergency disease outbreaks. <i>PLoS Computational Biology</i> , 2018, 14, e1006202. | 1.5 | 46 |
| 45 | Prior adaptation, diversity, and introduction frequency mediate the positive relationship between propagule pressure and the initial success of founding populations. <i>Biological Invasions</i> , 2018, 20, 2451-2459. | 1.2 | 28 |
| 46 | Competition between similar invasive species: modeling invasional interference across a landscape. <i>Population Ecology</i> , 2017, 59, 79-88. | 0.7 | 11 |
| 47 | Individually marked mass release-resight study elucidates effects of patch characteristics and distance on host patch location by an insect herbivore. <i>Ecological Entomology</i> , 2017, 42, 273-282. | 1.1 | 2 |
| 48 | Embracing uncertainty in applied ecology. <i>Journal of Applied Ecology</i> , 2017, 54, 2063-2068. | 1.9 | 94 |
| 49 | Correlations in the degeneracy of structurally controllable topologies for networks. <i>Scientific Reports</i> , 2017, 7, 46251. | 1.6 | 12 |
| 50 | Essential information: Uncertainty and optimal control of Ebola outbreaks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5659-5664. | 3.3 | 43 |
| 51 | Optimal vaccine schedules to maintain measles elimination with a two-dose routine policy. <i>Epidemiology and Infection</i> , 2017, 145, 227-235. | 1.0 | 12 |
| 52 | Quantifying the Value of Perfect Information in Emergency Vaccination Campaigns. <i>PLoS Computational Biology</i> , 2017, 13, e1005318. | 1.5 | 16 |
| 53 | Termite cohabitation: the relative effect of biotic and abiotic factors on mound biodiversity. <i>Ecological Entomology</i> , 2016, 41, 532-541. | 1.1 | 21 |
| 54 | Seed release in a changing climate: initiation of movement increases spread of an invasive species under simulated climate warming. <i>Diversity and Distributions</i> , 2016, 22, 708-716. | 1.9 | 22 |

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|----|--|-----|-----------|
| 55 | Pollinator floral provisioning by a plant invader: quantifying beneficial effects of detrimental species. <i>Diversity and Distributions</i> , 2016, 22, 189-198. | 1.9 | 28 |
| 56 | Motif profile dynamics and transient species in a Boolean model of mutualistic ecological communities. <i>Journal of Complex Networks</i> , 2016, 4, 127-139. | 1.1 | 4 |
| 57 | Top-down network analysis characterizes hidden termite-termite interactions. <i>Ecology and Evolution</i> , 2016, 6, 6178-6188. | 0.8 | 7 |
| 58 | Topological constraints on network control profiles. <i>Scientific Reports</i> , 2016, 5, 18693. | 1.6 | 16 |
| 59 | Decision-making for foot-and-mouth disease control: Objectives matter. <i>Epidemics</i> , 2016, 15, 10-19. | 1.5 | 71 |
| 60 | Plant community associations of two invasive thistles. <i>AoB PLANTS</i> , 2015, 7, plv065. | 1.2 | 0 |
| 61 | Covariation in abscission force and terminal velocity of windborne sibling seeds alters long-distance dispersal projections. <i>Methods in Ecology and Evolution</i> , 2015, 6, 593-599. | 2.2 | 4 |
| 62 | The effects of maternal immunity and age structure on population immunity to measles. <i>Theoretical Ecology</i> , 2015, 8, 261-271. | 0.4 | 11 |
| 63 | Post-dispersal seed removal of <i>Carduus nutans</i> and <i>C. acanthoides</i> by insects and small mammals. <i>Ecological Research</i> , 2015, 30, 173-180. | 0.7 | 7 |
| 64 | Plant-pollinator community network response to species invasion depends on both invader and community characteristics. <i>Oikos</i> , 2015, 124, 406-413. | 1.2 | 22 |
| 65 | Conservation of passively dispersed organisms in the context of habitat degradation and destruction. <i>Journal of Applied Ecology</i> , 2015, 52, 514-521. | 1.9 | 17 |
| 66 | How do duration, frequency, and intensity of exogenous CORT elevation affect immune outcomes of stress?. <i>General and Comparative Endocrinology</i> , 2015, 222, 81-87. | 0.8 | 47 |
| 67 | A unifying gravity framework for dispersal. <i>Theoretical Ecology</i> , 2015, 8, 207-223. | 0.4 | 30 |
| 68 | Unrecognized impact of a biocontrol agent on the spread rate of an invasive thistle. <i>Ecological Applications</i> , 2014, 24, 1178-1187. | 1.8 | 25 |
| 69 | Comment on "Control profiles of complex networks". <i>Science</i> , 2014, 346, 561-561. | 6.0 | 11 |
| 70 | Dispersal under duress: Can stress enhance the performance of a passively dispersed species?. <i>Ecology</i> , 2014, 95, 2694-2698. | 1.5 | 23 |
| 71 | Adaptive Management and the Value of Information: Learning Via Intervention in Epidemiology. <i>PLoS Biology</i> , 2014, 12, e1001970. | 2.6 | 98 |
| 72 | Stacked Crop Rotations Exploit Weed-Weed Competition for Sustainable Weed Management. <i>Weed Science</i> , 2014, 62, 166-176. | 0.8 | 35 |

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|----|---|-----|-----------|
| 73 | Restoration of plantâ€pollinator interaction networks via species translocation. <i>Theoretical Ecology</i> , 2014, 7, 209-220. | 0.4 | 17 |
| 74 | Roots of the Invasive Species <i>Carduus nutans</i> L. and <i>C. acanthoides</i> L. Produce Large Amounts of Aplotaxene, a Possible Allelochemical. <i>Journal of Chemical Ecology</i> , 2014, 40, 276-284. | 0.9 | 11 |
| 75 | Patterns of introduced species interactions affect multiple aspects of network structure in plantâ€pollinator communities. <i>Ecology</i> , 2014, 95, 2953-2963. | 1.5 | 34 |
| 76 | Aplotaxene, a possible allelochemical of thistle (<i>Carduus</i> sp). <i>Planta Medica</i> , 2014, 80, . | 0.7 | 0 |
| 77 | Global versus local extinction in a network model of plantâ€pollinator communities. <i>Theoretical Ecology</i> , 2013, 6, 495-503. | 0.4 | 18 |
| 78 | Movement, impacts and management of plant distributions in response to climate change: insights from invasions. <i>Oikos</i> , 2013, 122, 1265-1274. | 1.2 | 36 |
| 79 | How can we bring together empiricists and modellers in functional biodiversity research?. <i>Basic and Applied Ecology</i> , 2013, 14, 93-101. | 1.2 | 24 |
| 80 | Supporting crop pollinators with floral resources: networkâ€based phenological matching. <i>Ecology and Evolution</i> , 2013, 3, 3125-3140. | 0.8 | 96 |
| 81 | Roots of the Invasive Species <i>Carduus nutans</i> L. and <i>C. acanthoides</i> L. Produce the Phytotoxin Aplotaxene, a Possible Allelochemical. <i>Planta Medica</i> , 2013, 79, . | 0.7 | 0 |
| 82 | Decreased structural defence of an invasive thistle under warming. <i>Plant Biology</i> , 2012, 14, 249-252. | 1.8 | 9 |
| 83 | Invasional interference due to similar interâ€and intraspecific competition between invaders may affect management. <i>Ecological Applications</i> , 2012, 22, 1413-1420. | 1.8 | 27 |
| 84 | Integrating multiple disturbance aspects: management of an invasive thistle, <i>Carduus nutans</i> . <i>Annals of Botany</i> , 2012, 110, 1395-1401. | 1.4 | 20 |
| 85 | More bang for the land manager's buck: disturbance autocorrelation can be used to achieve management objectives at no additional cost. <i>Journal of Applied Ecology</i> , 2012, 49, 1020-1027. | 1.9 | 12 |
| 86 | Warming leads to divergent responses but similarly improved performance of two invasive thistles. <i>Population Ecology</i> , 2012, 54, 583-589. | 0.7 | 8 |
| 87 | Water loss from flower heads predicts seed release in two invasive thistles. <i>Plant Ecology and Diversity</i> , 2012, 5, 57-65. | 1.0 | 12 |
| 88 | Diversityâ€disturbance relationships: frequency and intensity interact. <i>Biology Letters</i> , 2012, 8, 768-771. | 1.0 | 71 |
| 89 | Topology of plant-pollinator networks that are vulnerable to collapse from species extinction. <i>Physical Review E</i> , 2012, 86, 021924. | 0.8 | 43 |
| 90 | Interactions between frequency and size of disturbance affect competitive outcomes. <i>Ecological Research</i> , 2012, 27, 783-791. | 0.7 | 25 |

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|-----|---|-----|-----------|
| 91 | Timing of disturbance alters competitive outcomes and mechanisms of coexistence in an annual plant model. <i>Theoretical Ecology</i> , 2012, 5, 419-432. | 0.4 | 20 |
| 92 | Maternal warming affects early life stages of an invasive thistle. <i>Plant Biology</i> , 2012, 14, 783-788. | 1.8 | 20 |
| 93 | Coexistence patterns of two invasive thistle species, <i>Carduus nutans</i> and <i>C. acanthoides</i> , at three spatial scales. <i>Biological Invasions</i> , 2012, 14, 151-164. | 1.2 | 15 |
| 94 | Influence of Microsite Disturbance on the Establishment of Two Congeneric Invasive Thistles. <i>PLoS ONE</i> , 2012, 7, e45490. | 1.1 | 6 |
| 95 | Effects of Interspecific Competition on Early Life History of the Invasive Thistles <i>Carduus nutans</i> and <i>C. acanthoides</i> . <i>Northeastern Naturalist</i> , 2011, 18, 197-206. | 0.1 | 8 |
| 96 | How frequency and intensity shape diversity-disturbance relationships. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5643-5648. | 3.3 | 201 |
| 97 | A network model for plant-pollinator community assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 197-202. | 3.3 | 90 |
| 98 | Watch your time step: trapping and tracking dispersal in autocorrelated environments. <i>Methods in Ecology and Evolution</i> , 2011, 2, 407-415. | 2.2 | 12 |
| 99 | Are the best dispersers the best colonizers? Seed mass, dispersal and establishment in <i>Carduus</i> thistles. <i>Evolutionary Ecology</i> , 2011, 25, 155-169. | 0.5 | 46 |
| 100 | Tolerance of two invasive thistles to repeated disturbance. <i>Ecological Research</i> , 2011, 26, 575-581. | 0.7 | 15 |
| 101 | Pollinator Behavior Mediates Negative Interactions between Two Congeneric Invasive Plant Species. <i>American Naturalist</i> , 2011, 177, 110-118. | 1.0 | 61 |
| 102 | Importance of individual and environmental variation for invasive species spread: a spatial integral projection model. <i>Ecology</i> , 2011, 92, 86-97. | 1.5 | 67 |
| 103 | Optimizing reproductive phenology in a two-resource world: a dynamic allocation model of plant growth predicts later reproduction in phosphorus-limited plants. <i>Annals of Botany</i> , 2011, 108, 391-404. | 1.4 | 38 |
| 104 | The Composite Insect Trap: An Innovative Combination Trap for Biologically Diverse Sampling. <i>PLoS ONE</i> , 2011, 6, e21079. | 1.1 | 36 |
| 105 | Warming Increases the Spread of an Invasive Thistle. <i>PLoS ONE</i> , 2011, 6, e21725. | 1.1 | 32 |
| 106 | An Adaptive Decision Framework for the Conservation of a Threatened Plant. <i>Journal of Fish and Wildlife Management</i> , 2011, 2, 247-261. | 0.4 | 15 |
| 107 | Optimal management strategies to control local population growth or population spread may not be the same. <i>Ecological Applications</i> , 2010, 20, 1148-1161. | 1.8 | 63 |
| 108 | Shipment and storage effects on the terminal velocity of seeds. <i>Ecological Research</i> , 2010, 25, 83-92. | 0.7 | 9 |

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|-----|--|-----|-----------|
| 109 | Plant spatial arrangement affects projected invasion speeds of two invasive thistles. <i>Oikos</i> , 2010, 119, 1462-1468. | 1.2 | 20 |
| 110 | Plant populations track rather than buffer climate fluctuations. <i>Ecology Letters</i> , 2010, 13, 736-743. | 3.0 | 80 |
| 111 | Applications of particle image velocimetry for seed release studies. <i>Ecology</i> , 2010, 91, 2485-2492. | 1.5 | 12 |
| 112 | Seedling emergence and early survival of <i>Carduus</i> spp. in three habitats with press and pulse disturbances ¹ . <i>Journal of the Torrey Botanical Society</i> , 2010, 137, 287-296. | 0.1 | 11 |
| 113 | Dispersal and demography contributions to population spread of <i>Carduus nutans</i> in its native and invaded ranges. <i>Journal of Ecology</i> , 2008, 96, 687-697. | 1.9 | 77 |
| 114 | To sample or eradicate? A cost minimization model for monitoring and managing an invasive species. <i>Journal of Applied Ecology</i> , 2008, 45, 1134-1142. | 1.9 | 121 |
| 115 | Dispersal, demography and spatial population models for conservation and control management. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2008, 9, 153-170. | 1.1 | 139 |
| 116 | A STATE-DEPENDENT MODEL FOR THE OPTIMAL MANAGEMENT OF AN INVASIVE METAPOPOPULATION. , 2008, 18, 748-761. | | 50 |
| 117 | How the Wood Moves. <i>Science</i> , 2007, 315, 1231-1232. | 6.0 | 11 |
| 118 | Seed release by invasive thistles: the impact of plant and environmental factors. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 2457-2464. | 1.2 | 44 |
| 119 | Dispersal Patterns, Dispersal Mechanisms, and Invasion Wave Speeds for Invasive Thistles. <i>American Naturalist</i> , 2007, 170, 421-430. | 1.0 | 126 |
| 120 | Establishment and spread of founding populations of an invasive thistle: the role of competition and seed limitation. <i>Biological Invasions</i> , 2007, 9, 317-325. | 1.2 | 31 |
| 121 | A guide to calculating discrete-time invasion rates from data. , 2006, , 169-192. | | 30 |
| 122 | Influence of density dependence on the detection of trends in unobserved life-history stages. <i>Journal of Zoology</i> , 2006, 269, 442-450. | 0.8 | 9 |
| 123 | Seasonal life-history models for the integrated management of the invasive weed nodding thistle <i>Carduus nutans</i> in Australia. <i>Journal of Applied Ecology</i> , 2006, 43, 517-526. | 1.9 | 40 |
| 124 | What controls the population dynamics of the invasive thistle <i>Carduus nutans</i> in its native range?. <i>Journal of Applied Ecology</i> , 2006, 43, 877-886. | 1.9 | 50 |
| 125 | Measuring plant dispersal: an introduction to field methods and experimental design. <i>Plant Ecology</i> , 2006, 186, 217-234. | 0.7 | 165 |
| 126 | Spatial Segregation of Congeneric Invaders in Central Pennsylvania, USA. <i>Biological Invasions</i> , 2006, 8, 509-521. | 1.2 | 35 |

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|-----|---|-----|-----------|
| 127 | Integrating the Study of Non-native Plant Invasions across Spatial Scales. <i>Biological Invasions</i> , 2006, 8, 399-413. | 1.2 | 184 |
| 128 | Environmental variability and the initiation of dispersal: turbulence strongly increases seed release. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 751-756. | 1.2 | 56 |
| 129 | The influence of multi-stage predation on population growth and the distribution of the pond-breeding salamander, <i>Ambystoma jeffersonianum</i> . <i>Canadian Journal of Zoology</i> , 2006, 84, 449-458. | 0.4 | 9 |
| 130 | Optimizing dispersal study design by Monte Carlo simulation. <i>Journal of Applied Ecology</i> , 2005, 42, 731-739. | 1.9 | 67 |
| 131 | EVALUATION OF ECOLOGICAL RISK TO POPULATIONS OF A THREATENED PLANT FROM AN INVASIVE BIOCONTROL INSECT. , 2005, 15, 234-249. | | 55 |
| 132 | Modeling the Mutualistic Interactions between Tubeworms and Microbial Consortia. <i>PLoS Biology</i> , 2005, 3, e77. | 2.6 | 102 |
| 133 | CONTEXT-DEPENDENT BIOLOGICAL CONTROL OF AN INVASIVE THISTLE. <i>Ecology</i> , 2005, 86, 3174-3181. | 1.5 | 114 |
| 134 | Models for Improving the Targeting and Implementation of Biological Control of Weeds ¹ . <i>Weed Technology</i> , 2004, 18, 1578-1581. | 0.4 | 22 |
| 135 | Modeling for Management of Invasive Species: Musk Thistle (<i>Carduus nutans</i>) in New Zealand ¹ . <i>Weed Technology</i> , 2004, 18, 1338-1341. | 0.4 | 24 |
| 136 | Moving from pattern to process: coexistence mechanisms under intermediate disturbance regimes. <i>Ecology Letters</i> , 2004, 7, 491-508. | 3.0 | 386 |
| 137 | Linking Wild and Captive Populations to Maximize Species Persistence: Optimal Translocation Strategies. <i>Conservation Biology</i> , 2004, 18, 1304-1314. | 2.4 | 92 |
| 138 | THE INTERMEDIATE DISTURBANCE HYPOTHESIS: PATCH DYNAMICS AND MECHANISMS OF SPECIES COEXISTENCE. <i>Ecology</i> , 2004, 85, 359-371. | 1.5 | 471 |
| 139 | Amphibian Decline and Emerging Disease. <i>American Scientist</i> , 2004, 92, 138. | 0.1 | 48 |
| 140 | Hydrogen sulphide demand of long-lived vestimentiferan tube worm aggregations modifies the chemical environment at deep-sea hydrocarbon seeps. <i>Ecology Letters</i> , 2003, 6, 212-219. | 3.0 | 66 |
| 141 | ACTIVE ADAPTIVE MANAGEMENT IN INSECT PEST AND WEED CONTROL: INTERVENTION WITH A PLAN FOR LEARNING. , 2002, 12, 927-936. | | 136 |
| 142 | Community ecology theory as a framework for biological invasions. <i>Trends in Ecology and Evolution</i> , 2002, 17, 170-176. | 4.2 | 1,812 |
| 143 | Detection of population trends in threatened coho salmon (<i>Oncorhynchus kisutch</i>). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2001, 58, 375-385. | 0.7 | 12 |
| 144 | Competing harvesting strategies in a simulated population under uncertainty. <i>Animal Conservation</i> , 2001, 4, 157-167. | 1.5 | 48 |

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|-----|---|-----|-----------|
| 145 | An integrated approach to management in epidemiology and pest control. <i>Ecology Letters</i> , 2000, 3, 150-158. | 3.0 | 43 |
| 146 | Optimal release strategies for biological control agents: an application of stochastic dynamic programming to population management. <i>Journal of Applied Ecology</i> , 2000, 37, 77-86. | 1.9 | 158 |
| 147 | Effect of patch size and plant density of Paterson's curse (<i>Echium plantagineum</i>) on the oviposition of a specialist weevil, <i>Mogulones larvatus</i> . <i>Oecologia</i> , 2000, 124, 615-621. | 0.9 | 27 |
| 148 | The business of biodiversity. <i>Australian Zoologist</i> , 1999, 31, 3-5. | 0.6 | 10 |
| 149 | Management of populations in conservation, harvesting and control. <i>Trends in Ecology and Evolution</i> , 1998, 13, 371-375. | 4.2 | 129 |
| 150 | ESTIMATING BIOCONTROL AGENT IMPACT WITH MATRIX MODELS: <i>CARDUUS NUTANS</i> IN NEW ZEALAND. , 1998, 8, 824-832. | | 221 |
| 151 | The Effect of Egg Limitation on Stability in Insect Host-Parasitoid Population Models. <i>Journal of Animal Ecology</i> , 1996, 65, 743. | 1.3 | 42 |
| 152 | Trade-Offs, Elasticities and the Comparative Method. <i>Journal of Ecology</i> , 1994, 82, 951. | 1.9 | 27 |
| 153 | Processes and Interactions in Macrofaunal Assemblages at Hydrothermal Vents: A Modeling Perspective. <i>Geophysical Monograph Series</i> , 0, , 259-274. | 0.1 | 6 |
| 154 | Deliberately increased network connectance in a plant-pollinator community experiment. <i>Journal of Complex Networks</i> , 0, , cnw024. | 1.1 | 4 |
| 155 | Projected resurgence of COVID-19 in the United States in July–December 2021 resulting from the increased transmissibility of the Delta variant and faltering vaccination. <i>ELife</i> , 0, 11, . | 2.8 | 22 |