# Peter R Brown

## List of Publications by Year in descending order



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|---|---|---|---|
| 71 papers | 2,437 citations | 257101 24 h-index | 214527 47 g-index |
| 74 all docs | 74 docs citations | 74 times ranked | 2512 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | One hundred years of eruptions of house mice in Australia - a natural biological curio. Biological Journal of the Linnean Society, 2005, 84, 617-627. | 0.7 | 500 |
| 2 | Mice, rats, and people: the bio-economics of agricultural rodent pests. Frontiers in Ecology and the Environment, 2003, 1, 367-375. | 1.9 | 241 |
| 3 | The Puzzles of Population Cycles and Outbreaks of Small Mammals Solved?. BioScience, 2004, 54, 1071. | 2.2 | 151 |
| 4 | Reproductive changes in fluctuating house mouse populations in southeastern Australia. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 1741-1748. | 1.2 | 105 |
| 5 | Impacts of rodent outbreaks on food security in Asia. Wildlife Research, 2010, 37, 355. | 0.7 | 94 |
| 6 | Unwanted and unintended effects of culling: A case for ecologicallyâ€based rodent management. Integrative Zoology, 2007, 2, 247-259. | 1.3 | 87 |
| 7 | Relationship between abundance of rodents and damage to agricultural crops. Agriculture, Ecosystems and Environment, 2007, 120, 405-415. | 2.5 | 80 |
| 8 | Enabling natural resource managers to self-assess their adaptive capacity. Agricultural Systems, 2010, 103, 562-568. | 3.2 | 70 |
| 9 | ECOLOGICALLY BASED MANAGEMENT OF RODENTS IN THE REAL WORLD: APPLIED TO A MIXED AGROECOSYSTEM IN VIETNAM. , 2006, 16, 2000-2010. | | 64 |
| 10 | Rate of increase as a function of rainfall for house mouse Mus domesticus populations in a cereal-growing region in southern Australia. Journal of Applied Ecology, 1999, 36, 484-493. | 1.9 | 52 |
| 11 | Increasing sowing depth to reduce mouse damage to winter crops. Crop Protection, 2003, 22, 653-660. | 1.0 | 48 |
| 12 | A systematic review of rodent pest research in Afro-Malagasy small-holder farming systems: Are we asking the right questions?. PLoS ONE, 2017, 12, e0174554. | 1.1 | 47 |
| 13 | Managing Murrayâ€“Darling Basin livestock systems in a variable and changing climate: challenges and opportunities. Rangeland Journal, 2010, 32, 293. | 0.4 | 46 |
| 14 | Pre-sowing control of house mice (Mus domesticus) using zinc phosphide: efficacy and potential non-target effects. Wildlife Research, 2002, 29, 27. | 0.7 | 39 |
| 15 | Constraints to the capacity of smallholder farming households to adapt to climate change in South and Southeast Asia. Climate and Development, 2019, 11, 383-400. | 2.2 | 39 |
| 16 | Rodent gene drives for conservation: opportunities and data needs. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191606. | 1.2 | 38 |
| 17 | Can outbreaks of house mice in south-eastern Australia be predicted by weather models?. Wildlife Research, 2004, 31, 465. | 0.7 | 34 |
| 18 | Influence of livelihoods on climate change adaptation for smallholder farmers in the Mekong Delta Vietnam. International Journal of Agricultural Sustainability, 2018, 16, 255-271. | 1.3 | 34 |

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|---|---|---|---|
| 19 | Farmers' knowledge, attitudes, and practices for rodent management in Myanmar. International Journal of Pest Management, 2008, 54, 69-76. | 0.9 | 33 |
| 20 | Improving smallholder farmersâ€™ gross margins and labor-use efficiency across a range of cropping systems in the Eastern Gangetic Plains. World Development, 2021, 138, 105266. | 2.6 | 32 |
| 21 | Can farm-management practices reduce the impact of house mouse populations on crops in an irrigated farming system?. Wildlife Research, 2004, 31, 597. | 0.7 | 31 |
| 22 | Post-harvest damage to stored grain by rodents in village environments in Laos. International Biodeterioration and Biodegradation, 2013, 82, 104-109. | 1.9 | 31 |
| 23 | Changes in farmers' knowledge, attitudes and practices after implementation of ecologically-based rodent management in the uplands of Lao PDR. Crop Protection, 2010, 29, 577-582. | 1.0 | 30 |
| 24 | Ecologically based management of rodents in lowland irrigated rice fields in Indonesia. Wildlife Research, 2010, 37, 418. | 0.7 | 29 |
| 25 | Can humans outsmart rodents? Learning to work collectively and strategically. Wildlife Research, 2011, 38, 568. | 0.7 | 27 |
| 26 | Efficacy of brodifacoum to control house mice, Mus domesticus, in wheat crops in Southern Australia. Crop Protection, 1998, 17, 345-352. | 1.0 | 23 |
| 27 | Population dynamics of Rattus argentiventer, Rattus losea, and Rattus rattus inhabiting a mixed-farming system in the Red River Delta, Vietnam. Population Ecology, 2005, 47, 247-256. | 0.7 | 21 |
| 28 | Conservation agriculture practices have changed habitat use by rodent pests: implications for management of feral house mice. Journal of Pest Science, 2022, 95, 493-503. | 1.9 | 21 |
| 29 | Habitat use and movements of the rice-field rat, Rattus argentiventer, in West Java, Indonesia. Mammalia, 2001, 65, 151-166. | 0.3 | 19 |
| 30 | Compensation of rodent pests after removal: control of two rat species in an irrigated farming system in the Red River Delta, Vietnam. Acta Oecologica, 2005, 28, 267-279. | 0.5 | 19 |
| 31 | Evaluation and Cost-effectiveness of Strychnine for Control of Populations of Wild House Mice (Mus) Tj ETQq1 1 0.784314 rgBT /Ove | 0.7 | 18 |
| 32 | Comparison of different sizes of physical barriers for controlling the impact of the rice field rat, Rattus argentiventer, in rice crops in Indonesia. Crop Protection, 2003, 22, 7-13. | 1.0 | 18 |
| 33 | Farmers' knowledge, attitudes, and practices with respect to rodent management in the upland and lowland farming systems of the Lao People's Democratic Republic. Integrative Zoology, 2007, 2, 165-173. | 1.3 | 18 |
| 34 | Participatory monitoring and evaluation to aid investment in natural resource manager capacity at a range of scales. Environmental Monitoring and Assessment, 2012, 184, 7207-7220. | 1.3 | 18 |
| 35 | Assessing the capacity of Australian broadacre mixed farmers to adapt to climate change: Identifying constraints and opportunities. Agricultural Systems, 2016, 146, 129-141. | 3.2 | 18 |
| 36 | Ecologically-based rodent management: its effectiveness in cropping systems in South-East Asia. Njas - Wageningen Journal of Life Sciences, 2004, 52, 163-171. | 7.9 | 17 |

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|---|---|---|---|
| 37 | The effect of simulated house mouse damage to wheat in Australia. Crop Protection, 2005, 24, 101-109. | 1.0 | 17 |
| 38 | A Participatory Assessment of NRM Capacity to Inform Policy and Practice: Cross-Scale Evaluation of Enabling and Constraining Factors. Society and Natural Resources, 2012, 25, 775-793. | 0.9 | 15 |
| 39 | Household types as a tool to understand adaptive capacity: case studies from Cambodia, Lao PDR, Bangladesh and India. Climate and Development, 2016, 8, 423-434. | 2.2 | 15 |
| 40 | Movements of the ricefield rat, Rattus argentiventer, near a trap-barrier system in rice crops in West Java, Indonesia. International Journal of Pest Management, 2003, 49, 123-129. | 0.9 | 14 |
| 41 | Historical divergence in public management of foodgrain systems in India and Bangladesh: Opportunities to enhance food security. Global Food Security, 2014, 3, 159-166. | 4.0 | 13 |
| 42 | Use of computer simulation models to encourage farmers to adopt best rodent management practices in lowland irrigated rice systems in An Giang Province, the Mekong Delta, Vietnam. Agricultural Systems, 2013, 116, 69-76. | 3.2 | 11 |
| 43 | Participatory approaches to address climate change: perceived issues affecting the ability of South East Queensland graziers to adapt to future climates. Agriculture and Human Values, 2015, 32, 689-703. | 1.7 | 11 |
| 44 | Acute oral toxicity of zinc phosphide: an assessment for wild house mice (Mus musculus). Integrative Zoology, 2023, 18, 63-75. | 1.3 | 11 |
| 45 | Pattern and dynamics of rodent damage to lowland irrigated rice crops in An Giang, Vietnam. International Journal of Pest Management, 2010, 57, 67-76. | 0.9 | 10 |
| 46 | Short- and long-term demographic changes in house mouse populations after control in dryland farming systems in Australia. Wildlife Research, 2006, 33, 457. | 0.7 | 9 |
| 47 | The effect of simulated rat damage on irrigated rice yield and compensation. Crop Protection, 2010, 29, 1466-1471. | 1.0 | 9 |
| 48 | Rats in rice: linking crop and pest models to explore management strategies. Wildlife Research, 2011, 38, 560. | 0.7 | 8 |
| 49 | Changes in population abundance, reproduction and habitat use of the rice-field rat, Rattus argentiventer, in relation to rice-crop growth stage in a lowland rice agroecosystem in Vietnam. Wildlife Research, 2012, 39, 250. | 0.7 | 8 |
| 50 | Non-target mortalities during aerial strychnine baiting of house mice. Wildlife Research, 1999, 26, 117. | 0.7 | 7 |
| 51 | The diet of the female ricefield rat, Rattus argentiventer, influences their breeding performance in a mixed rice cropping ecosystem in An Giang province, the Mekong Delta, Vietnam. Wildlife Research, 2011, 38, 610. | 0.7 | 7 |
| 52 | Drivers of change in landholder capacity to manage natural resources. Journal of Natural Resources Policy Research, 2014, 6, 1-26. | 0.4 | 7 |
| 53 | Control of rodent pests in rice cultivation. Burleigh Dodds Series in Agricultural Science, 2017, , 343-376. | 0.1 | 7 |
| 54 | Impacts of House Mice on Sustainable Fodder Storage in Australia. Agronomy, 2022, 12, 254. | 1.3 | 7 |

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|---|---|---|---|
| 55 | Effect of additional food and water on house mice in a semiâ€arid agricultural environment in Australia. Austral Ecology, 2008, 33, 99-109. | 0.7 | 6 |
| 56 | Technical efficiency of hybrid maize production in eastern terai of Nepal: A stochastic frontier approach. Journal of Agriculture and Natural Resources, 2019, 1, 189-196. | 0.2 | 6 |
| 57 | Multiple ecological processes underpin the eruptive dynamics of small mammals: House mice in a semiâ€arid agricultural environment. Ecology and Evolution, 2020, 10, 3477-3490. | 0.8 | 6 |
| 58 | Application of innovation platforms to catalyse adoption of conservation agriculture practices in South Asia. International Journal of Agricultural Sustainability, 2022, 20, 497-520. | 1.3 | 5 |
| 59 | Effects of background food on alternative grain uptake and zinc phosphide efficacy in wild house mice. Pest Management Science, 2022, 78, 1090-1098. | 1.7 | 5 |
| 60 | Mice, Rats, and People: The Bio-Economics of Agricultural Rodent Pests. Frontiers in Ecology and the Environment, 2003, 1, 367. | 1.9 | 4 |
| 61 | Improved house mouse control in the field with a higher dose zinc phosphide bait. Wildlife Research, 2023, 50, 335-343. | 0.7 | 4 |
| 62 | Advances in understanding rodent pests affecting cereal grains. Burleigh Dodds Series in Agricultural Science, 2020, , 93-122. | 0.1 | 3 |
| 63 | Reducing the impact of feral house mice in agricultural ecosystems. , 2007, , 8-15. | | 3 |
| 64 | It. Wildlife Research, 2022, , . | 0.7 | 2 |
| 65 | Integration of ecology and biology for the management of rodents: International perspectives 2. Integrative Zoology, 2007, 2, 191-192. | 1.3 | 1 |
| 66 | Rodent management issues in South Pacific islands: a review with case studies from Papua New Guinea and Vanuatu. Wildlife Research, 2017, 44, 587. | 0.7 | 1 |
| 67 | Wheat pests: introduction, rodents and nematodes. Burleigh Dodds Series in Agricultural Science, 2017, , 443-466. | 0.1 | 1 |
| 68 | Corrigendum to: Rodent management issues in South Pacific islands: a review with case studies from Papua New Guinea and Vanuatu. Wildlife Research, 2018, 45, 193. | 0.7 | 1 |
| 69 | Conditions for Investment in Genetic Biocontrol of Pest Vertebrates in Australia. Frontiers in Agronomy, 2022, 3, . | 1.5 | 1 |
| 70 | Integration of ecology and biology for the management of rodents: International perspectives 1. Integrative Zoology, 2007, 2, 121-122. | 1.3 | 0 |
| 71 | Integration of ecology and biology for the management of rodents: International perspectives 3. Integrative Zoology, 2008, 3, 1-2. | 1.3 | 0 |