# BjÃ¶rn C Rall

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3923925/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 49 papers | 5,132 citations | 109321 35 h-index | 197818 49 g-index |
| 58 all docs | 58 docs citations | 58 times ranked | 4732 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Fish Species Sensitivity Ranking Depends on Pesticide Exposure Profiles. Environmental Toxicology and Chemistry, 2022, 41, 1732-1741. | 4.3 | 2 |
| 2 | Thermal acclimation increases the stability of a predatorâ€“prey interaction in warmer environments. Global Change Biology, 2021, 27, 3765-3778. | 9.5 | 19 |
| 3 | Phage strategies facilitate bacterial coexistence under environmental variability. PeerJ, 2021, 9, e12194. | 2.0 | 14 |
| 4 | Biodiversity of intertidal food webs in response to warming across latitudes. Nature Climate Change, 2020, 10, 264-269. | 18.8 | 40 |
| 5 | Consistent temperature dependence of functional response parameters and their use in predicting population abundance. Journal of Animal Ecology, 2019, 88, 1670-1683. | 2.8 | 23 |
| 6 | Predator traits determine food-web architecture across ecosystems. Nature Ecology and Evolution, 2019, 3, 919-927. | 7.8 | 157 |
| 7 | Experimental duration and predator satiation levels systematically affect functional response parameters. Oikos, 2018, 127, 590-598. | 2.7 | 39 |
| 8 | Testing the validity of functional response models using molecular gut content analysis for prey choice in soil predators. Oikos, 2018, 127, 915-926. | 2.7 | 18 |
| 9 | Applying generalized allometric regressions to predict live body mass of tropical and temperate arthropods. Ecology and Evolution, 2018, 8, 12737-12749. | 1.9 | 37 |
| 10 | Fitting functional responses: Direct parameter estimation by simulating differential equations. Methods in Ecology and Evolution, 2018, 9, 2076-2090. | 5.2 | 67 |
| 11 | Predicting the consequences of species loss using sizeâ€structured biodiversity approaches. Biological Reviews, 2017, 92, 684-697. | 10.4 | 108 |
| 12 | Temperature and consumer type dependencies of energy flows in natural communities. Oikos, 2017, 126, 1717-1725. | 2.7 | 52 |
| 13 | Unexpected changes in community size structure in a natural warming experiment. Nature Climate Change, 2017, 7, 659-663. | 18.8 | 70 |
| 14 | A general scaling law reveals why the largest animals are not the fastest. Nature Ecology and Evolution, 2017, 1, 1116-1122. | 7.8 | 112 |
| 15 | How patch size and refuge availability change interaction strength and population dynamics: a combined individual- and population-based modeling experiment. PeerJ, 2017, 5, e2993. | 2.0 | 11 |
| 16 | Unravelling Linkages between Plant Community Composition and the Pathogen-Suppressive Potential of Soils. Scientific Reports, 2016, 6, 23584. | 3.3 | 60 |
| 17 | Interactive effects of warming, eutrophication and size structure: impacts on biodiversity and foodâ€web structure. Global Change Biology, 2016, 22, 220-227. | 9.5 | 125 |
| 18 | Animal diversity and ecosystem functioning in dynamic food webs. Nature Communications, 2016, 7, 12718. | 12.8 | 107 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Analyzing pathogen suppressiveness in bioassays with natural soils using integrative maximum likelihood methods in R. PeerJ, 2016, 4, e2615. | 2.0 | 4 |
| 20 | Evolutionary food web model based on body masses gives realistic networks with permanent species turnover. Scientific Reports, 2015, 5, 10955. | 3.3 | 52 |
| 21 | Reducible defence: chemical protection alters the dynamics of predatorâ€“prey interactions. Chemoecology, 2015, 25, 53-61. | 1.1 | 16 |
| 22 | Effects of environmental warming and drought on sizeâ€structured soil food webs. Oikos, 2014, 123, 1224-1233. | 2.7 | 48 |
| 23 | Litter elemental stoichiometry and biomass densities of forest soil invertebrates. Oikos, 2014, 123, 1212-1223. | 2.7 | 53 |
| 24 | Variations in prey consumption of centipede predators in forest soils as indicated by molecular gut content analysis. Oikos, 2014, 123, 1192-1198. | 2.7 | 36 |
| 25 | Ecological stability in response to warming. Nature Climate Change, 2014, 4, 206-210. | 18.8 | 176 |
| 26 | Unifying elemental stoichiometry and metabolic theory in predicting species abundances. Ecology Letters, 2014, 17, 1247-1256. | 6.4 | 31 |
| 27 | Body masses, functional responses and predatorâ€“prey stability. Ecology Letters, 2013, 16, 1126-1134. | 6.4 | 159 |
| 28 | Habitat structure alters top-down control in litter communities. Oecologia, 2013, 172, 877-887. | 2.0 | 54 |
| 29 | The dynamics of food chains under climate change and nutrient enrichment. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 2935-2944. | 4.0 | 148 |
| 30 | Climate change effects on macrofaunal litter decomposition: the interplay of temperature, body masses and stoichiometry. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 3025-3032. | 4.0 | 55 |
| 31 | Universal temperature and body-mass scaling of feeding rates. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 2923-2934. | 4.0 | 376 |
| 32 | Impacts of Warming on the Structure and Functioning of Aquatic Communities. Advances in Ecological Research, 2012, 47, 81-176. | 2.7 | 106 |
| 33 | Warming effects on consumption and intraspecific interference competition depend on predator metabolism. Journal of Animal Ecology, 2012, 81, 516-523. | 2.8 | 78 |
| 34 | Plant diversity improves protection against soilâ€borne pathogens by fostering antagonistic bacterial communities. Journal of Ecology, 2012, 100, 597-604. | 4.0 | 218 |
| 35 | The Allometry of Prey Preferences. PLoS ONE, 2011, 6, e25937. | 2.5 | 59 |
| 36 | Phylogenetic grouping, curvature and metabolic scaling in terrestrial invertebrates. Ecology Letters, 2011, 14, 993-1000. | 6.4 | 168 |

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|---|---|---|---|
| 37 | Warming up the system: higher predator feeding rates but lower energetic efficiencies. Global Change Biology, 2011, 17, 1301-1310. | 9.5 | 221 |
| 38 | Taxonomic versus allometric constraints on nonâ€linear interaction strengths. Oikos, 2011, 120, 483-492. | 2.7 | 77 |
| 39 | The susceptibility of species to extinctions in model communities. Basic and Applied Ecology, 2011, 12, 590-599. | 2.7 | 54 |
| 40 | Size-based food web characteristics govern the response to species extinctions. Basic and Applied Ecology, 2011, 12, 581-589. | 2.7 | 24 |
| 41 | Robustness to secondary extinctions: Comparing trait-based sequential deletions in static and dynamic food webs. Basic and Applied Ecology, 2011, 12, 571-580. | 2.7 | 80 |
| 42 | Temperature, predatorâ€“prey interaction strength and population stability. Global Change Biology, 2010, 16, 2145-2157. | 9.5 | 326 |
| 43 | Allometric functional response model: body masses constrain interaction strengths. Journal of Animal Ecology, 2010, 79, 249-256. | 2.8 | 184 |
| 44 | Predicting the effects of temperature on food web connectance. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 2081-2091. | 4.0 | 115 |
| 45 | Habitat structure and prey aggregation determine the functional response in a soil predatorâ€“prey interaction. Pedobiologia, 2010, 53, 307-312. | 1.2 | 54 |
| 46 | Foraging theory predicts predatorâ€“prey energy fluxes. Journal of Animal Ecology, 2008, 77, 1072-1078. | 2.8 | 138 |
| 47 | Foodâ€web connectance and predator interference dampen the paradox of enrichment. Oikos, 2008, 117, 202-213. | 2.7 | 136 |
| 48 | Allometric degree distributions facilitate food-web stability. Nature, 2007, 450, 1226-1229. | 27.8 | 257 |
| 49 | CONSUMERâ€“RESOURCE BODY-SIZE RELATIONSHIPS IN NATURAL FOOD WEBS. Ecology, 2006, 87, 2411-2417. | 3.2 | 568 |