# Biodiversity and Ecosystem Functioning: Current Know

Science

294, 804-808

DOI: 10.1126/science.1064088

Citation Report

| # | Article | IF | Citations |
|---|---|---|---|
| 2 | Complementarity and Diversity in a Soluble Model Ecosystem. Physical Review Letters, 2002, 89, 148101. | 2.9 | 27 |
| 3 | Remote sensing of biodiversity: using neural networks to estimate the diversity and composition of a Bornean tropical rainforest from Landsat TM data. , 0, , . | | 2 |
| 4 | DISENTANGLING THE IMPACTS OF DIVERSITY ON ECOSYSTEM FUNCTIONING IN COMBINATORIAL EXPERIMENTS. Ecology, 2002, 83, 2925-2935. | 1.5 | 123 |
| 5 | PHENOTYPIC DIVERSITY INFLUENCES ECOSYSTEM FUNCTIONING IN AN OAK SANDHILLS COMMUNITY. Ecology, 2002, 83, 2084-2090. | 1.5 | 139 |
| 6 | Plant ecophysiology and forest response to global change. Tree Physiology, 2002, 22, 1177-1184. | 1.4 | 33 |
| 7 | Diversityâ€“Stability Relationships in Community Ecology: Re-Examination of the Portfolio Effect. Theoretical Population Biology, 2002, 62, 271-279. | 0.5 | 39 |
| 8 | BIODIVERSITY, INVASION RESISTANCE, AND MARINE ECOSYSTEM FUNCTION: RECONCILING PATTERN AND PROCESS. Ecology, 2002, 83, 2575-2590. | 1.5 | 465 |
| 9 | ECOSYSTEM CONSEQUENCES OF BIODIVERSITY LOSS: THE EVOLUTION OF A PARADIGM. Ecology, 2002, 83, 1537-1552. | 1.5 | 361 |
| 10 | Challenges of a Changing Earth. Global Change - the IGBP Series, 2002, , . | 2.1 | 64 |
| 11 | Nutrient Cycling by Animals in Freshwater Ecosystems. Annual Review of Ecology, Evolution, and Systematics, 2002, 33, 341-370. | 6.7 | 850 |
| 12 | Resilience and Sustainable Development: Building Adaptive Capacity in a World of Transformations. Ambio, 2002, 31, 437-440. | 2.8 | 1,790 |
| 13 | ECOLOGY: Darwin and the First Ecological Experiment. Science, 2002, 295, 639-640. | 6.0 | 117 |
| 14 | The species richnessâ€“productivity controversy. Trends in Ecology and Evolution, 2002, 17, 113-114. | 4.2 | 174 |
| 15 | 2002: the year of the â€˜diversity â€“ ecosystem functionâ€™ debate. Trends in Ecology and Evolution, 2002, 17, 495-496. | 4.2 | 61 |
| 16 | Metersticks and microarrays. Trends in Ecology and Evolution, 2002, 17, 496-497. | 4.2 | 3 |
| 17 | Crop pollination from native bees at risk from agricultural intensification. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 16812-16816. | 3.3 | 1,378 |
| 18 | Extinction and the loss of functional diversity. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 1721-1727. | 1.2 | 215 |
| 19 | Studying the effects of plant species richness on ecosystem functioning: does the choice of experimental design matter?. Oecologia, 2002, 133, 594-598. | 0.9 | 35 |

| # | Article | IF | Citations |
|---|---|---|---|
| 20 | Modeling species richness controlled by community-intrinsic and community-extrinsic processes: coastal fish communities as an example. Population Ecology, 2002, 44, 165-178. | 0.7 | 13 |
| 21 | Biodiversity and ecosystem productivity: implications for carbon storage. Oikos, 2002, 97, 443-448. | 1.2 | 111 |
| 22 | The role of legumes as a component of biodiversity in a cross-European study of grassland biomass nitrogen. Oikos, 2002, 98, 205-218. | 1.2 | 321 |
| 23 | The role of conservation in expanding biodiversity research. Oikos, 2002, 98, 351-360. | 1.2 | 71 |
| 24 | Biodiversity and ecosystem function: the consumer connection. Oikos, 2002, 99, 201-219. | 1.2 | 515 |
| 25 | Functional diversity (FD), species richness and community composition. Ecology Letters, 2002, 5, 402-411. | 3.0 | 1,380 |
| 26 | Biodiversity and ecosystem functioning at local and regional spatial scales. Ecology Letters, 2002, 5, 467-470. | 3.0 | 152 |
| 27 | Network structure and biodiversity loss in food webs: robustness increases with connectance. Ecology Letters, 2002, 5, 558-567. | 3.0 | 1,344 |
| 28 | Agricultural sustainability and intensive production practices. Nature, 2002, 418, 671-677. | 13.7 | 5,748 |
| 29 | Biodiversity equals instability?. Nature, 2002, 416, 23-24. | 13.7 | 60 |
| 30 | Diversity-dependent production can decrease the stability of ecosystem functioning. Nature, 2002, 416, 84-86. | 13.7 | 389 |
| 31 | Biodiversity in the scales. Nature, 2002, 419, 575-576. | 13.7 | 27 |
| 32 | Impact factors. Nature, 2002, 419, 576-576. | 13.7 | 4 |
| 33 | Declining plant diversity: empty niches or functional shifts?. Journal of Vegetation Science, 2002, 13, 457-460. | 1.1 | 104 |
| 34 | Environmental issues in lakes and ponds: current state and perspectives. Environmental Conservation, 2002, 29, 290-307. | 0.7 | 233 |
| 35 | Natural ecosystems: Pattern and process in relation to local and landscape diversity in southwestern Australian woodlands. Plant and Soil, 2003, 257, 371-378. | 1.8 | 21 |
| 36 | Scale-dependence of resource-biodiversity relationships. Journal of Theoretical Biology, 2003, 225, 205-214. | 0.8 | 9 |
| 37 | Mechanical clam dredging in Venice lagoon: ecosystem effects evaluated with a trophic mass-balance model. Marine Biology, 2003, 143, 393-403. | 0.7 | 70 |

| # | Article | IF | Citations |
|---|---|---|---|
| 38 | Mechanisms behind positive diversity effects on ecosystem functioning: testing the facilitation and interference hypotheses. Oecologia, 2003, 134, 554-559. | 0.9 | 103 |
| 39 | Does tree diversity increase wood production in pine forests?. Oecologia, 2003, 135, 299-303. | 0.9 | 115 |
| 40 | Intraspecific litter diversity and nitrogen deposition affect nutrient dynamics and soil respiration. Oecologia, 2003, 136, 124-128. | 0.9 | 63 |
| 41 | Community assembly: when should history matter?. Oecologia, 2003, 136, 489-498. | 0.9 | 857 |
| 42 | The critical natural capital of ecosystem performance as insurance for human well-being. Ecological Economics, 2003, 44, 205-217. | 2.9 | 76 |
| 43 | Mutualism or cooperation among competitors promotes coexistence and competitive ability. Ecological Modelling, 2003, 164, 271-282. | 1.2 | 86 |
| 44 | Regional biodiversity in an agricultural landscape: the contribution of seminatural habitat islands. Basic and Applied Ecology, 2003, 4, 129-138. | 1.2 | 304 |
| 45 | Flow modifies the effect of biodiversity on ecosystem functioning: an in situ study of estuarine sediments. Journal of Experimental Marine Biology and Ecology, 2003, 285-286, 165-177. | 0.7 | 94 |
| 46 | Biodiversity and landscapeâ€"summary, conclusions and perspectives. Agriculture, Ecosystems and Environment, 2003, 98, 305-309. | 2.5 | 67 |
| 47 | Vegetation diversity of conventional and organic hedgerows in Denmark. Agriculture, Ecosystems and Environment, 2003, 99, 135-147. | 2.5 | 66 |
| 48 | Carbon management and biodiversity. Journal of Environmental Management, 2003, 67, 77-86. | 3.8 | 117 |
| 49 | Diversity and dynamics of microbial communities in engineered environments and their implications for process stability. Current Opinion in Biotechnology, 2003, 14, 270-276. | 3.3 | 379 |
| 50 | Is the productivity of vegetation plots higher or lower when there are more species? Variable predictions from interaction of the â€˜sampling effectâ€™ and â€˜competitive dominance effectâ€™ on the habitat templet. Oikos, 2003, 102, 427-432. | 1.2 | 36 |
| 51 | Integrating methods that investigate how complementarity influences ecosystem functioning. Oikos, 2003, 101, 323-330. | 1.2 | 172 |
| 52 | Guilds or functional groups: does it matter?. Oikos, 2003, 100, 223-231. | 1.2 | 320 |
| 53 | Stochastic relations between species richness and the variability of species composition. Oikos, 2003, 103, 479-488. | 1.2 | 7 |
| 54 | A mechanistic examination of diversity-stability relationships in annual plant communities. Oikos, 2003, 103, 519-527. | 1.2 | 63 |
| 55 | Species vs community perspectives in biodiversity experiments. Oikos, 2003, 100, 620-621. | 1.2 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 56 | Nutrient enrichment overwhelms diversity effects in leaf decomposition by stream fungi. Oikos, 2003, 101, 247-252. | 1.2 | 122 |
| 57 | Genetic diversity and invasibility: a test using a model system with a novel experimental design. Oikos, 2003, 103, 505-518. | 1.2 | 52 |
| 58 | Continuing debate in the face of biodiversity loss. Oikos, 2003, 100, 619-619. | 1.2 | 1 |
| 59 | The response of a three trophic level soil food web to the identity and diversity of plant species and functional groups. Oikos, 2003, 102, 45-56. | 1.2 | 176 |
| 60 | Plant species diversity, plant biomass and responses of the soil community on abandoned land across Europe: idiosyncracy or above-belowground time lags. Oikos, 2003, 103, 45-58. | 1.2 | 204 |
| 61 | Herbivory and plant resource competition: a review of two interacting interactions. Oikos, 2003, 101, 26-37. | 1.2 | 137 |
| 62 | Diversity effects in reproductive biology. Oikos, 2003, 102, 217-220. | 1.2 | 30 |
| 63 | The long-term relationship between plant diversity and total plant biomass depends on the mechanism maintaining diversity. Oikos, 2003, 102, 630-640. | 1.2 | 28 |
| 64 | Importance of species identity and number for process rates within different stream invertebrate functional feeding groups. Journal of Animal Ecology, 2003, 72, 453-459. | 1.3 | 45 |
| 65 | Effects of floristics, physiognomy and non-native vegetation on riparian bird communities in a Mojave Desert watershed. Journal of Animal Ecology, 2003, 72, 484-490. | 1.3 | 129 |
| 66 | Tree biodiversity in protected and logged Bornean tropical rain forests and its measurement by satellite remote sensing. Journal of Biogeography, 2003, 30, 1053-1066. | 1.4 | 116 |
| 67 | Validation Tests of Predictive Models of Butterfly Occurrence Based on Environmental Variables. Conservation Biology, 2003, 17, 806-817. | 2.4 | 43 |
| 68 | Population stability is higher in more diverse annual plant communities. Ecology Letters, 2003, 6, 90-95. | 3.0 | 67 |
| 69 | Top predator control of plant biodiversity and productivity in an old-field ecosystem. Ecology Letters, 2003, 6, 156-163. | 3.0 | 200 |
| 70 | Do species evenness and plant density influence the magnitude of selection and complementarity effects in annual plant species mixtures?. Ecology Letters, 2003, 6, 248-256. | 3.0 | 123 |
| 71 | Positive effects of plant species diversity on productivity in the absence of legumes. Ecology Letters, 2003, 6, 170-175. | 3.0 | 168 |
| 72 | Spatial heterogeneity reduces temporal variability in stream insect communities. Ecology Letters, 2003, 6, 316-325. | 3.0 | 123 |
| 73 | The mycorrhizal dependence of subordinates determines the effect of arbuscular mycorrhizal fungi on plant diversity. Ecology Letters, 2003, 6, 388-391. | 3.0 | 101 |

| # | Article | IF | Citations |
|---|---|---|---|
| 74 | Richness dependence and climatic forcing as regulating processes of coastal fish-species richness. Ecology Letters, 2003, 6, 428-439. | 3.0 | 11 |
| 75 | Dominant species maintain ecosystem function with non-random species loss. Ecology Letters, 2003, 6, 509-517. | 3.0 | 591 |
| 76 | Food web complexity and higher-level ecosystem services. Ecology Letters, 2003, 6, 587-593. | 3.0 | 100 |
| 77 | Grazer diversity effects on ecosystem functioning in seagrass beds. Ecology Letters, 2003, 6, 637-645. | 3.0 | 276 |
| 78 | Neighbourhood-scale diversity, composition and root crowding do not alter competition during drought in a native grassland. Ecology Letters, 2003, 6, 599-603. | 3.0 | 28 |
| 79 | Reconsidering diversity-productivity relationships: directness of productivity estimates matters. Ecology Letters, 2003, 6, 695-699. | 3.0 | 50 |
| 80 | Biodiversity and biocontrol: emergent impacts of a multi-enemy assemblage on pest suppression and crop yield in an agroecosystem. Ecology Letters, 2003, 6, 857-865. | 3.0 | 447 |
| 81 | Overyielding among plant functional groups in a long-term experiment. Ecology Letters, 2003, 7, 95-105. | 3.0 | 289 |
| 82 | The coincidence of people and biodiversity in Europe. Global Ecology and Biogeography, 2003, 12, 5-12. | 2.7 | 213 |
| 83 | Microbial diversity and soil functions. European Journal of Soil Science, 2003, 54, 655-670. | 1.8 | 1,496 |
| 84 | Lifeâ€history traits of the Northwest European flora: The LEDA database. Journal of Vegetation Science, 2003, 14, 611-614. | 1.1 | 103 |
| 85 | Effects of weed communities with various species numbers on soil features in a subtropical orchard ecosystem. Agriculture, Ecosystems and Environment, 2003, 102, 377-377. | 2.5 | 0 |
| 86 | Remote sensing of tropical forest environments: Towards the monitoring of environmental resources for sustainable development. International Journal of Remote Sensing, 2003, 24, 4035-4046. | 1.3 | 169 |
| 87 | Long-Term and Large-Scale Perspectives on the Relationship between Biodiversity and Ecosystem Functioning. BioScience, 2003, 53, 89. | 2.2 | 156 |
| 88 | Response diversity, ecosystem change, and resilience. Frontiers in Ecology and the Environment, 2003, 1, 488-494. | 1.9 | 1,409 |
| 89 | COMMUNITY DISASSEMBLY, BIODIVERSITY LOSS, AND THE EROSION OF AN ECOSYSTEM SERVICE. Ecology, 2003, 84, 1421-1427. | 1.5 | 205 |
| 90 | Climateâ€“vegetation dynamics in the fast lane. Trends in Ecology and Evolution, 2003, 18, 551-553. | 4.2 | 13 |
| 91 | The ecological play of predatorâ€“prey dynamics in an evolutionary theatre. Trends in Ecology and Evolution, 2003, 18, 549-551. | 4.2 | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 92 | Biodiversity, productivity and stability in real food webs. Trends in Ecology and Evolution, 2003, 18, 628-632. | 4.2 | 324 |
| 93 | The Importance of the Natural Sciences to Conservation. American Naturalist, 2003, 162, 1-13. | 1.0 | 184 |
| 94 | SPECIES-RICH PLANTINGS INCREASE BIOMASS AND NITROGEN ACCUMULATION IN A WETLAND RESTORATION EXPERIMENT. , 2003, 13, 1626-1639. | | 129 |
| 95 | Title is missing!. Plant and Soil, 2003, 255, 487-494. | 1.8 | 71 |
| 96 | Effect of global climate change and human disturbances on tree diversity of the forest regenerating from clear-cuts of mixed broadleaved Korean pine forest in Northeast China. Chemosphere, 2003, 51, 215-226. | 4.2 | 9 |
| 97 | Functional diversity revealed by removal experiments. Trends in Ecology and Evolution, 2003, 18, 140-146. | 4.2 | 395 |
| 98 | Challenges and opportunities in integrating ecological knowledge across scales. Forest Ecology and Management, 2003, 181, 223-238. | 1.4 | 127 |
| 99 | Plants in a warmer world. Perspectives in Plant Ecology, Evolution and Systematics, 2003, 6, 169-185. | 1.1 | 366 |
| 100 | Biodiversity: luxury or necessity?. Global Environmental Change, 2003, 13, 75-81. | 3.6 | 22 |
| 101 | Plant biomass production and soil nitrogen in mixtures and monocultures of old field Mediterranean annuals. Acta Oecologica, 2003, 24, 65-75. | 0.5 | 15 |
| 102 | Biodiversity and ecosystem processes in shallow coastal waters: an experimental approach. Journal of Sea Research, 2003, 49, 133-141. | 0.6 | 95 |
| 103 | Paleoclimate, Global Change and the Future. Global Change - the IGBP Series, 2003, , . | 2.1 | 65 |
| 104 | PLANT DIVERSITY, SOIL MICROBIAL COMMUNITIES, AND ECOSYSTEM FUNCTION: ARE THERE ANY LINKS?. Ecology, 2003, 84, 2042-2050. | 1.5 | 991 |
| 105 | THE ROLE OF PLANT DIVERSITY AND COMPOSITION FOR NITRATE LEACHING IN GRASSLANDS. Ecology, 2003, 84, 1539-1552. | 1.5 | 224 |
| 106 | Island Biology and Ecosystem Functioning in Epiphytic Soil Communities. Science, 2003, 301, 1717-1720. | 6.0 | 103 |
| 107 | Nutrient loading and consumers: Agents of change in open-coast macrophyte assemblages. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7660-7665. | 3.3 | 65 |
| 108 | Concerns a Weed Scientist Might Have About Herbicide-Tolerant Crops: A Revisitation1. Weed Technology, 2003, 17, 202-210. | 0.4 | 28 |
| 109 | Removing the confounding effect of habitat specialization reveals the stabilizing contribution of diversity to species variability. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, S198-201. | 1.2 | 60 |

| # | Article | IF | Citations |
|---|---|---|---|
| 110 | Recent advances in ecosystem-atmosphere interactions: an ecological perspective. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 1215-1227. | 1.2 | 59 |
| 111 | Length at Maturity and Gillnet Selectivity of Lake Tana's Barbus Species (Ethiopia): Implications for Management and Conservation. Aquatic Ecosystem Health and Management, 2003, 6, 325-336. | 0.3 | 19 |
| 112 | The ecology of infectious disease: Effects of host diversity and community composition on Lyme disease risk. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 567-571. | 3.3 | 907 |
| 113 | Biodiversity as spatial insurance in heterogeneous landscapes. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12765-12770. | 3.3 | 805 |
| 114 | Food-web constraints on biodiversity-ecosystem functioning relationships. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 14949-14954. | 3.3 | 253 |
| 116 | The Importance of Species: Perspectives on Expendability and Triage. Integrative and Comparative Biology, 2003, 43, 603-603. | 0.9 | 5 |
| 117 | THE â€œIDIOSYNCRATICâ€•EFFECT OF A â€œSENTINELâ€•SPECIES ON CONTAMINATED ROCKY INTERTIDAL COMMUNITIES. , 2003, 13, 1533-1552. | | 13 |
| 118 | Effects of the interaction between tubificid worms on the functioning of hyporheic sediments: an experimental study in sediment columns. Archiv FÃ¼r Hydrobiologie, 2003, 156, 203-223. | 1.1 | 14 |
| 119 | Ecosystem Responses to Global Climate Change: Moving Beyond Color Mapping. BioScience, 2003, 53, 1199. | 2.2 | 136 |
| 120 | Litter breakdown and invertebrate detritivores in a resource-depleted Appalachian stream. Archiv FÃ¼r Hydrobiologie, 2003, 156, 315-338. | 1.1 | 33 |
| 121 | Characterizing soil biota in Canadian agroecosystems: State of knowledge in relation to soil organic matter. Canadian Journal of Soil Science, 2003, 83, 245-257. | 0.5 | 7 |
| 122 | Natural Geography in Nearshore areas (NaGISA): The Nearshore component of the Census of Marine Life. Gayana, 2003, 67, 153. | 0.0 | 15 |
| 123 | The Phenomenon of Biodiversity. , 2004, , 27-53. | | 15 |
| 125 | Generality in ecology: testing North American grassland rules in South African savannas. Frontiers in Ecology and the Environment, 2004, 2, 483-491. | 1.9 | 74 |
| 126 | THE INFLUENCE OF SPECIES DIVERSITY AND STRESS INTENSITY ON COMMUNITY RESISTANCE AND RESILIENCE. Ecological Monographs, 2004, 74, 117-134. | 2.4 | 198 |
| 127 | Strong vertical differences in the plankton composition of an extremely acidic lake. Archiv FÃ¼r Hydrobiologie, 2004, 161, 289-306. | 1.1 | 45 |
| 128 | Model ecosystems with random nonlinear interspecies interactions. Physical Review E, 2004, 70, 061914. | 0.8 | 6 |
| 129 | Genetic diversity enhances the resistance of a seagrass ecosystem to disturbance. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 8998-9002. | 3.3 | 675 |

| # | Article | IF | Citations |
|---|---|---|---|
| 130 | REALISTICALLY LOW SPECIES EVENNESS DOES NOT ALTER GRASSLAND SPECIES-RICHNESSâ€“PRODUCTIVITY RELATIONSHIPS. Ecology, 2004, 85, 2693-2700. | 1.5 | 130 |
| 131 | Leaf diversity alters litter breakdown in a Piedmont stream. Journal of the North American Benthological Society, 2004, 23, 15-28. | 3.0 | 137 |
| 132 | A Conceptual Framework to Develop Long-Term Ecological Research and Management Objectives in the Wider Caribbean Region. BioScience, 2004, 54, 843. | 2.2 | 56 |
| 133 | BETTER LIVING THROUGH BIOGEOCHEMISTRY. Ecology, 2004, 85, 2402-2407. | 1.5 | 30 |
| 134 | The bridge between diversity and adaptivity: Answering McIntosh and Jeffrey. International Journal of Sustainable Development and World Ecology, 2004, 11, 9-23. | 3.2 | 5 |
| 135 | SCALE DEPENDENCE IN THE SPECIES-RICHNESSâ€“PRODUCTIVITY RELATIONSHIP: THE ROLE OF SPECIES TURNOVER. Ecology, 2004, 85, 2701-2708. | 1.5 | 107 |
| 136 | EFFECTS OF ALGAL AND HERBIVORE DIVERSITY ON THE PARTITIONING OF BIOMASS WITHIN AND AMONG TROPHIC LEVELS. Ecology, 2004, 85, 549-559. | 1.5 | 89 |
| 137 | Issues and prospects of belowground ecology with special reference to global climate change. Science Bulletin, 2004, 49, 1891. | 1.7 | 2 |
| 138 | Genetically based trait in a dominant tree affects ecosystem processes. Ecology Letters, 2004, 7, 127-134. | 3.0 | 327 |
| 139 | Consumer effects decline with prey diversity. Ecology Letters, 2004, 7, 192-201. | 3.0 | 180 |
| 140 | Perturbation and abrupt shift in trophic control of biodiversity and productivity. Ecology Letters, 2004, 7, 403-409. | 3.0 | 61 |
| 141 | Biodiversity effects increase linearly with biotope space. Ecology Letters, 2004, 7, 574-583. | 3.0 | 226 |
| 142 | Arbuscular mycorrhizae and terrestrial ecosystem processes. Ecology Letters, 2004, 7, 740-754. | 3.0 | 481 |
| 143 | Markov chain models predict the consequences of experimental extinctions. Ecology Letters, 2004, 7, 653-660. | 3.0 | 38 |
| 144 | Diversity and composition of tropical soil nitrifiers across a plant diversity gradient and among land-use types. Ecology Letters, 2004, 7, 684-694. | 3.0 | 144 |
| 145 | Invasion in space and time: non-native species richness and relative abundance respond to interannual variation in productivity and diversity. Ecology Letters, 2004, 7, 947-957. | 3.0 | 127 |
| 146 | A synthesis of subdisciplines: predator-prey interactions, and biodiversity and ecosystem functioning. Ecology Letters, 2004, 8, 102-116. | 3.0 | 337 |
| 147 | Anthropogenic impacts upon plant species richness and net primary productivity in California. Ecology Letters, 2004, 8, 127-137. | 3.0 | 53 |

| # | Article | IF | Citations |
|---|---|---|---|
| 148 | Plant diversity effects on herbage production and compositional changes in New Zealand hill country pastures. Grass and Forage Science, 2004, 59, 29-40. | 1.2 | 31 |
| 149 | On the importance of patch attributes, environmental factors and past human impacts as determinants of perennial plant species richness and diversity in Mediterranean semiarid steppes. Diversity and Distributions, 2004, 10, 21-29. | 1.9 | 63 |
| 150 | Enhancement of Farmland Biodiversity within Set-Aside Land. Conservation Biology, 2004, 18, 987-994. | 2.4 | 176 |
| 151 | Taxonomic and functional diversity in arbuscular mycorrhizal fungi â€“ is there any relationship?. New Phytologist, 2004, 164, 201-204. | 3.5 | 47 |
| 152 | Competition or complementation: the ironâ€chelating abilities of nicotianamine and phytosiderophores. New Phytologist, 2004, 164, 204-208. | 3.5 | 19 |
| 153 | The plant traits that drive ecosystems: Evidence from three continents. Journal of Vegetation Science, 2004, 15, 295-304. | 1.1 | 1,198 |
| 154 | Species richness and susceptibility to heat and drought extremes in synthesized grassland ecosystems: compositional vs physiological effects. Functional Ecology, 2004, 18, 769-778. | 1.7 | 136 |
| 155 | Functional groups of lagoon fish species in Languedoc Roussillon, southern France. Journal of Fish Biology, 2004, 64, 970-983. | 0.7 | 137 |
| 156 | Predator-prey body size, interaction strength and the stability of a real food web. Journal of Animal Ecology, 2004, 73, 399-409. | 1.3 | 342 |
| 157 | Impacts of stream acidification on litter breakdown: implications for assessing ecosystem functioning. Journal of Applied Ecology, 2004, 41, 365-378. | 1.9 | 222 |
| 158 | Biodiversity effects on ecosystem functioning: insights from aquatic systems. Oikos, 2004, 104, 419-422. | 1.2 | 73 |
| 159 | Multivariate control of plant species richness and community biomass in blackland prairie. Oikos, 2004, 106, 151-157. | 1.2 | 65 |
| 160 | Does functional redundancy exist?. Oikos, 2004, 104, 606-611. | 1.2 | 340 |
| 161 | Phenotypic diversity and litter chemistry affect nutrient dynamics during litter decomposition in a two species mix. Oikos, 2004, 105, 125-131. | 1.2 | 56 |
| 162 | Biodiversity effects on ecosystem functioning: emerging issues and their experimental test in aquatic environments. Oikos, 2004, 104, 423-436. | 1.2 | 320 |
| 163 | Effects of species diversity on the primary productivity of ecosystems: extending our spatial and temporal scales of inference. Oikos, 2004, 104, 437-450. | 1.2 | 203 |
| 164 | Biodiversity and ecosystem functioning in aquatic microbial systems: a new analysis of temporal variation and species richness-predictability relations. Oikos, 2004, 104, 458-466. | 1.2 | 89 |
| 165 | Linking aboveground and belowground communities: the indirect influence of aphid species identity and diversity on a three trophic level soil food web. Oikos, 2004, 107, 283-294. | 1.2 | 64 |

| # | Article | IF | Citations |
|---|---|---|---|
| 166 | Predator diversity dampens trophic cascades. Nature, 2004, 429, 407-410. | 13.7 | 484 |
| 167 | The role of biodiversity for element cycling and trophic interactions: an experimental approach in a grassland community. Basic and Applied Ecology, 2004, 5, 107-121. | 1.2 | 508 |
| 168 | Temporally fluctuating prey and interfering predators: a positive feedback. Animal Behaviour, 2004, 68, 159-165. | 0.8 | 8 |
| 169 | What do the biodiversity experiments tell us about consequences of plant species loss in the real world?. Basic and Applied Ecology, 2004, 5, 529-534. | 1.2 | 121 |
| 170 | The value of biodiversity experiments. Basic and Applied Ecology, 2004, 5, 535-542. | 1.2 | 61 |
| 171 | Neutral and non-neutral macroecology. Basic and Applied Ecology, 2004, 5, 413-422. | 1.2 | 41 |
| 172 | Trophic interactions in a changing world: modelling aboveground–belowground interactions. Basic and Applied Ecology, 2004, 5, 515-528. | 1.2 | 42 |
| 173 | Effects of weed communities with various species numbers on soil features in a subtropical orchard ecosystem. Agriculture, Ecosystems and Environment, 2004, 102, 377-388. | 2.5 | 43 |
| 174 | Environmental services and land use change in Southeast Asia: from recognition to regulation or reward?. Agriculture, Ecosystems and Environment, 2004, 104, 229-244. | 2.5 | 78 |
| 175 | Managing biological and genetic diversity in tropical agroforestry. Agroforestry Systems, 2004, 61-62, 183-194. | 0.9 | 32 |
| 176 | Do Farm Characteristics Explain Differences in Tree Species Diversity among Western Kenyan Farms?. Agroforestry Systems, 2004, 63, 63-74. | 0.9 | 41 |
| 177 | Do inspection practices in organic agriculture serve organic values? A case study from Finland. Agriculture and Human Values, 2004, 21, 1-13. | 1.7 | 41 |
| 178 | Tree diversity change in remaining primary mixed-broadleaved Korean pine forest under climate change and human activities. Biodiversity and Conservation, 2004, 13, 563-577. | 1.2 | 9 |
| 179 | Beyond Gaia: Thermodynamics of Life and Earth System Functioning. Climatic Change, 2004, 66, 271-319. | 1.7 | 111 |
| 180 | Resilience of a zooplankton community subjected to marine intrusion in a tropical coastal lagoon. Hydrobiologia, 2004, 522, 165-177. | 1.0 | 22 |
| 181 | The Ethical Contract as a Tool in Organic Animal Husbandry. Journal of Agricultural and Environmental Ethics, 2004, 17, 23-49. | 0.9 | 35 |
| 182 | EFFECTS OF PHARMACEUTICAL MIXTURES IN AQUATIC MICROCOSMS. Environmental Toxicology and Chemistry, 2004, 23, 1035. | 2.2 | 140 |
| 183 | The role of biodiversity in Asian forests. Journal of Forest Research, 2004, 9, 293-298. | 0.7 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 184 | Optimal Investment in Multi-species Protection: Interacting Species and Ecosystem Health. EcoHealth, 2004, 1, 101-110. | 0.9 | 39 |
| 185 | Issues and prospects of belowground ecology with special reference to global climate change. Science Bulletin, 2004, 49, 1891-1899. | 1.7 | 33 |
| 186 | Interpreting co-variation in species richness and productivity in terrestrial vegetation: Making sense of causations and correlations at multiple scales. Folia Geobotanica, 2004, 39, 385-403. | 0.4 | 23 |
| 187 | A review of approaches for classifying benthic habitats and evaluating habitat quality. Journal of Environmental Management, 2004, 73, 165-181. | 3.8 | 473 |
| 188 | Bryozoan biodiversity in the New Zealand region and implications for marine conservation. Biodiversity and Conservation, 2004, 13, 2695-2721. | 1.2 | 24 |
| 189 | Microbial diversity in soil: ecological theories, the contribution of molecular techniques and the impact of transgenic plants and transgenic microorganisms. Biology and Fertility of Soils, 2004, 40, 363-385. | 2.3 | 176 |
| 190 | Observed Winter Warming of the Chesapeake Bay Estuary (1949?2002): Implications for Ecosystem Management. Environmental Management, 2004, 34, 125-39. | 1.2 | 67 |
| 191 | Microbial Astronauts: Assembling Microbial Communities for Advanced Life Support Systems. Microbial Ecology, 2004, 47, 137-149. | 1.4 | 23 |
| 192 | Mesoscale regulation comes from the bottom-up: intertidal interactions between consumers and upwelling. Ecology Letters, 2004, 7, 31-41. | 3.0 | 146 |
| 193 | Endophytic fungi alter relationships between diversity and ecosystem properties. Ecology Letters, 2004, 7, 42-51. | 3.0 | 118 |
| 194 | PCR-DGGE-based quantification of stability of the microbial community in a simulator of the human intestinal microbial ecosystem. FEMS Microbiology Ecology, 2004, 49, 495-507. | 1.3 | 200 |
| 195 | Who dominates whom in the ecosystem? Energy flow bottlenecks and cascading extinctions. Journal of Theoretical Biology, 2004, 230, 351-358. | 0.8 | 123 |
| 196 | Influence of nontrophic interactions between benthic invertebrates on river sediment processes: a microcosm study. Canadian Journal of Fisheries and Aquatic Sciences, 2004, 61, 1817-1831. | 0.7 | 13 |
| 197 | Ecosystem consequences of bird declines. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 18042-18047. | 3.3 | 614 |
| 198 | ECOLOGY: How Extinction Patterns Affect Ecosystems. Science, 2004, 306, 1141-1142. | 6.0 | 131 |
| 199 | HOW DO DIFFERENT MEASURES OF FUNCTIONAL DIVERSITY PERFORM?. Ecology, 2004, 85, 847-857. | 1.5 | 384 |
| 200 | SPECIES, ROTATION, AND LIFE-FORM DIVERSITY EFFECTS ON SOIL CARBON IN EXPERIMENTAL TROPICAL ECOSYSTEMS. , 2004, 14, 47-60. | | 92 |
| 201 | Chapter 6 The use of soil invertebrates in ecological surveys of contaminated soils. Developments in Soil Science, 2004, , 159-195. | 0.5 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 202 | The Climate in Historical Times. Zeitschrift Fâˆ šÂºr Europâˆ šÂ§isches Unternehmens- Und Verbraucherrecht, 2004, , . | 0.2 | 7 |
| 204 | COMMUNITY VIABILITY ANALYSIS: THE RESPONSE OF ECOLOGICAL COMMUNITIES TO SPECIES LOSS. Ecology, 2004, 85, 2591-2600. | 1.5 | 116 |
| 205 | INVADING HERBIVORY: THE GOLDEN APPLE SNAIL ALTERS ECOSYSTEM FUNCTIONING IN ASIAN WETLANDS. Ecology, 2004, 85, 1575-1580. | 1.5 | 310 |
| 206 | Do subtropical seasonal forests in the Gran Chaco, Argentina, have a future?. Biological Conservation, 2004, 120, 589-598. | 1.9 | 237 |
| 207 | An introduction to biodiversity concepts for environmental economists. Resources and Energy Economics, 2004, 26, 115-136. | 1.1 | 63 |
| 208 | Carbon isotopes in functional soil ecology. Trends in Ecology and Evolution, 2004, 19, 148-154. | 4.2 | 148 |
| 209 | On trade, land-use, and biodiversity. Journal of Environmental Economics and Management, 2004, 48, 911-925. | 2.1 | 77 |
| 210 | Allometric ecological distributions in a local community of Hymenoptera. Acta Oecologica, 2004, 25, 179-186. | 0.5 | 7 |
| 211 | PHYSICAL STRESS AND BIOLOGICAL CONTROL REGULATE THE PRODUCERâ€“CONSUMER BALANCE IN INTERTIDAL BIOFILMS. Ecology, 2004, 85, 1372-1382. | 1.5 | 141 |
| 212 | Declining stocks of Lake Tanaâ€™s endemic Barbus species flock (Pisces, Cyprinidae): natural variation or human impact?. Biological Conservation, 2004, 116, 277-287. | 1.9 | 48 |
| 213 | Tolerance of pollination networks to species extinctions. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 2605-2611. | 1.2 | 947 |
| 214 | Interactions and Self-Organization in the Soil-Microbe Complex. Science, 2004, 304, 1634-1637. | 6.0 | 757 |
| 215 | HISTORICAL LANDSCAPE CONNECTIVITY AFFECTS PRESENT PLANT SPECIES DIVERSITY. Ecology, 2004, 85, 1840-1845. | 1.5 | 479 |
| 216 | Millennial-scale relationships of diatom species richness and production in two prairie lakes. Limnology and Oceanography, 2004, 49, 1290-1299. | 1.6 | 26 |
| 217 | Biodiversity and ecosystem functioning: A complex adaptive systems approach. Limnology and Oceanography, 2004, 49, 1269-1277. | 1.6 | 227 |
| 218 | Population variability is lower in diverse rock pools when the obscuring effects of local processes are removed. Ecoscience, 2004, 11, 455-462. | 0.6 | 21 |
| 219 | The plant traits that drive ecosystems: Evidence from three continents. Journal of Vegetation Science, 2004, 15, 295. | 1.1 | 332 |
| 220 | The Values of Ecologists. Environmental Values, 2005, 14, 241-250. | 0.7 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 221 | The relationship between JuhÃ¡sz-Nagy's information theory functions and the log-linear contingency table analysis. Acta Botanica Hungarica, 2005, 47, 53-73. | 0.1 | 3 |
| 222 | The use of modelPseudomonas fluorescenspopulations to study the causes and consequences of microbial diversity. , 2005, , 83-99. | | 0 |
| 223 | Is diversity of mycorrhizal fungi important for ecosystem functioning?. , 2005, , 216-235. | | 4 |
| 224 | Plantâ€“soil feedback and soil biodiversity affect the composition of plant communities. , 2005, , 250-272. | | 8 |
| 225 | Soil biodiversity, nature conservation and sustainability. , 2005, , 363-378. | | 4 |
| 226 | Icarus and Daedalus: conceptual and tactical lessons for marine ecosystem-based management. Frontiers in Ecology and the Environment, 2005, 3, 202-211. | 1.9 | 42 |
| 227 | Small-scale response of plant species to land-use intensification. Agriculture, Ecosystems and Environment, 2005, 105, 283-290. | 2.5 | 51 |
| 229 | A reinterpretation of the earliest quantification of global plant productivity by von Liebig (1862). New Phytologist, 2005, 167, 641-644. | 3.5 | 2 |
| 230 | Rare Species and Ecosystem Functioning. Conservation Biology, 2005, 19, 1019-1024. | 2.4 | 323 |
| 231 | Predator effects on herbivore and plant stability. Ecology Letters, 2005, 8, 189-194. | 3.0 | 53 |
| 232 | Ecosystem consequences of diversity depend on food chain length in estuarine vegetation. Ecology Letters, 2005, 8, 301-309. | 3.0 | 239 |
| 233 | The functional consequences of random vs. ordered species extinctions. Ecology Letters, 2005, 8, 409-418. | 3.0 | 102 |
| 234 | Overyielding in experimental grassland communities - irrespective of species pool or spatial scale. Ecology Letters, 2005, 8, 419-429. | 3.0 | 259 |
| 235 | Extinction order and altered community structure rapidly disrupt ecosystem functioning. Ecology Letters, 2005, 8, 538-547. | 3.0 | 531 |
| 236 | Managing ecosystem services: what do we need to know about their ecology?. Ecology Letters, 2005, 8, 468-479. | 3.0 | 1,075 |
| 237 | Diversity decreases invasion via both sampling and complementarity effects. Ecology Letters, 2005, 8, 604-611. | 3.0 | 439 |
| 238 | Species richness changes across two trophic levels simultaneously affect prey and consumer biomass. Ecology Letters, 2005, 8, 696-703. | 3.0 | 177 |
| 239 | Connections between species diversity and genetic diversity. Ecology Letters, 2005, 8, 767-781. | 3.0 | 424 |

| # | Article | IF | Citations |
|---|---|---|---|
| 240 | Interpreting the Ã¢Â€Â˜selection effectÃ¢Â€Â™ of biodiversity on ecosystem function. Ecology Letters, 2005, 8, 846-856. | 3.0 | 243 |
| 241 | Trends in the state of nature and their implications for human well-being. Ecology Letters, 2005, 8, 1218-1234. | 3.0 | 224 |
| 242 | Magnitude and variability of process rates in fungal diversity-litter decomposition relationships. Ecology Letters, 2005, 8, 1129-1137. | 3.0 | 235 |
| 243 | Effects of organism size and community composition on ecosystem functioning. Ecology Letters, 2005, 8, 1271-1282. | 3.0 | 27 |
| 244 | Predator diversity and the functioning of ecosystems: the role of intraguild predation in dampening trophic cascades. Ecology Letters, 2005, 8, 1299-1306. | 3.0 | 345 |
| 245 | Concerning invasive species: Reply to Brown and Sax. Austral Ecology, 2005, 30, 475-480. | 0.7 | 68 |
| 246 | Brood size modifications affect plumage bacterial assemblages of European starlings. Molecular Ecology, 2005, 14, 639-646. | 2.0 | 45 |
| 247 | Conflicting demands on wetland ecosystem services: nutrient retention, biodiversity or both?. Freshwater Biology, 2005, 50, 705-714. | 1.2 | 254 |
| 248 | Global change alters the stability of food webs. Global Change Biology, 2005, 11, 490-501. | 4.2 | 36 |
| 249 | Conservation Biology: Ecosystem recovery enhanced by genotypic diversity. Heredity, 2005, 95, 183-183. | 1.2 | 30 |
| 250 | Diversity-dependent productivity in semi-natural grasslands following climate perturbations. Functional Ecology, 2005, 19, 594-601. | 1.7 | 216 |
| 251 | Mycorrhizal fungi and environmental change: the need for a mycocentric approach. New Phytologist, 2005, 167, 635-637. | 3.5 | 27 |
| 253 | Long-term relationships between ecological stability and biodiversity in Phanerozoic reefs. Nature, 2005, 433, 410-413. | 13.7 | 77 |
| 254 | Effects of species and functional group loss on island ecosystem properties. Nature, 2005, 435, 806-810. | 13.7 | 255 |
| 255 | The contribution of species richness and composition to bacterial services. Nature, 2005, 436, 1157-1160. | 13.7 | 793 |
| 256 | Plant species as predictors of soil pH: Replacing expert judgement with measurements. Journal of Vegetation Science, 2005, 16, 461-470. | 1.1 | 88 |
| 257 | Rao's quadratic entropy as a measure of functional diversity based on multiple traits. Journal of Vegetation Science, 2005, 16, 533-540. | 1.1 | 896 |
| 258 | Reciprocal effects of host plant and natural enemy diversity on herbivore suppression: an empirical study of a model tritrophic system. Oikos, 2005, 108, 275-282. | 1.2 | 119 |

| # | Article | IF | Citations |
|---|---|---|---|
| 259 | Richness, structure and functioning in metazoan parasite communities. Oikos, 2005, 109, 447-460. | 1.2 | 32 |
| 260 | The interaction of plant genotype and herbivory decelerate leaf litter decomposition and alter nutrient dynamics. Oikos, 2005, 110, 133-145. | 1.2 | 149 |
| 261 | Trickle-down effects of aboveground trophic cascades on the soil food web. Oikos, 2005, 111, 348-358. | 1.2 | 76 |
| 262 | Effects of plant diversity, plant productivity and habitat parameters on arthropod abundance in montane European grasslands. Ecography, 2005, 28, 429-442. | 2.1 | 98 |
| 263 | Abundance - distribution relationships in fish assembly of the Amazonas floodplain lakes. Ecography, 2005, 28, 515-520. | 2.1 | 51 |
| 264 | Considerable effects of diversity indices and spatial scales on conclusions relating to ecological diversity. Ecological Modelling, 2005, 188, 418-431. | 1.2 | 17 |
| 265 | The role of environmental generalist species in ecosystem function. Ecological Modelling, 2005, 188, 279-295. | 1.2 | 88 |
| 266 | Biodiversity of benthic invertebrates and organic matter processing in shallow marine sediments: an experimental study. Journal of Experimental Marine Biology and Ecology, 2005, 315, 187-209. | 0.7 | 144 |
| 267 | Phenotypic variation in oak litter influences short- and long-term nutrient cycling through litter chemistry. Soil Biology and Biochemistry, 2005, 37, 319-327. | 4.2 | 79 |
| 268 | Functional regularity: a neglected aspect of functional diversity. Oecologia, 2005, 142, 353-359. | 0.9 | 206 |
| 269 | Effects of plant diversity, community composition and environmental parameters on productivity in montane European grasslands. Oecologia, 2005, 142, 606-615. | 0.9 | 100 |
| 270 | Soil microbial diversity and soil functioning affect competition among grasses in experimental microcosms. Oecologia, 2005, 143, 232-240. | 0.9 | 84 |
| 271 | Improved water retention links high species richness with increased productivity in arctic tundra moss communities. Oecologia, 2005, 146, 287-299. | 0.9 | 60 |
| 272 | Looking to the Future of Ecosystem Services. Ecosystems, 2005, 8, 125-132. | 1.6 | 51 |
| 273 | Understory flora and community physiognomy of planted forests in the degraded purple soil ecosystem, South China. Journal of Forestry Research, 2005, 16, 109-112. | 1.7 | 0 |
| 274 | Land use change and its corresponding ecological responses: A review. Journal of Chinese Geography, 2005, 15, 305-328. | 1.5 | 20 |
| 275 | Riparian woody plant diversity and forest structure along an urban-rural gradient. Urban Ecosystems, 2005, 8, 93-106. | 1.1 | 124 |
| 276 | Do Non-Native Species Threaten The Natural Environment?. Journal of Agricultural and Environmental Ethics, 2005, 18, 215-236. | 0.9 | 167 |

| # | Article | IF | Citations |
|---|---|---|---|
| 277 | Agrometeorological Research and Applications Needed to Prepare Agriculture and Forestry to 21st Century Climate Change. Climatic Change, 2005, 70, 319-340. | 1.7 | 23 |
| 278 | Living with Global Change: Consequences of Changes in the Earth System for Human Well-Being. Global Change - the IGBP Series, 2005, , 203-254. | 2.1 | 0 |
| 280 | Knowing when to draw the line: designing more informative ecological experiments. Frontiers in Ecology and the Environment, 2005, 3, 145-152. | 1.9 | 298 |
| 281 | Planetary Machinery: The Dynamics of the Earth System Prior to Significant Human Influence. Global Change - the IGBP Series, 2005, , 11-80. | 2.1 | 0 |
| 282 | Ecosystem recovery after climatic extremes enhanced by genotypic diversity. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2826-2831. | 3.3 | 957 |
| 283 | Relationship between Bacterioplankton Richness, Respiration, and Production in the Southern North Sea. Applied and Environmental Microbiology, 2005, 71, 2260-2266. | 1.4 | 73 |
| 284 | Experimental evidence rejects pairwise modelling approach to coexistence in plant communities. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 1279-1285. | 1.2 | 56 |
| 285 | Monitoring global rates of biodiversity change: challenges that arise in meeting the Convention on Biological Diversity (CBD) 2010 goals. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 229-241. | 1.8 | 87 |
| 286 | Biodiversity and ecosystem functioning in terrestrial habitats of Antarctica. Antarctic Science, 2005, 17, 523-531. | 0.5 | 45 |
| 287 | Variation in â€œbiodiversity valueâ€•of peatmoss species inSphagnumsectionAcutifolia(Sphagnaceae). American Journal of Botany, 2005, 92, 1774-1783. | 0.8 | 12 |
| 288 | Anthropogenic stress may affect aquatic hyphomycete diversity more than leaf decomposition in a low-order stream. Archiv FÃ¼r Hydrobiologie, 2005, 162, 481-496. | 1.1 | 112 |
| 289 | Cretaceous CO2 Decline and the Radiation and Diversification of Angiosperms. , 2005, , 133-165. | | 27 |
| 291 | RELATIVE STRENGTH OF TOP-DOWN, BOTTOM-UP, AND CONSUMER SPECIES RICHNESS EFFECTS ON POND ECOSYSTEMS. Ecological Monographs, 2005, 75, 489-504. | 2.4 | 69 |
| 292 | Functional- and abundance-based mechanisms explain diversity loss due to N fertilization. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4387-4392. | 3.3 | 879 |
| 296 | Predicting extinction of mammals in the Brazilian Amazon. Oryx, 2005, 39, 347-350. | 0.5 | 28 |
| 297 | Functional Diversity of Plantâ€“Pollinator Interaction Webs Enhances the Persistence of Plant Communities. PLoS Biology, 2005, 4, e1. | 2.6 | 438 |
| 298 | Diversity-productivity relationships: Initial effects, long-term patterns, and underlying mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 695-700. | 3.3 | 335 |
| 299 | Biodiversity and aquatic ecosystem functioning: A mini-review. Aquatic Ecosystem Health and Management, 2005, 8, 367-374. | 0.3 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 300 | The Landscape Context in Forest Conservation: Integrating Protection, Restoration, and Certification. Ecological Restoration, 2005, 23, 15-23. | 0.6 | 3 |
| 301 | The Functional Significance of Forest Diversity: The Starting Point. , 2005, , 3-12. | | 8 |
| 302 | Confounding Factors in the Observational Productivity-Diversity Relationship in Forests. , 2005, , 65-86. | | 47 |
| 303 | Susceptibility to Fungal Pathogens of Forests Differing in Tree Diversity. , 2005, , 263-289. | | 63 |
| 304 | Reinventing the Wheel in Ecology Research?. Science, 2005, 307, 1875-1876. | 6.0 | 28 |
| 305 | WEAK VS. STRONG INVADERS OF NATURAL PLANT COMMUNITIES: ASSESSING INVASIBILITY AND IMPACT. , 2005, 15, 651-661. | | 179 |
| 306 | Winners and losers in herbaceous plant communities: insights from foliar carbon isotope composition in monocultures and mixtures. Journal of Ecology, 2005, 93, 1136-1147. | 1.9 | 28 |
| 307 | Biodiversity and Litter Decomposition in Terrestrial Ecosystems. Annual Review of Ecology, Evolution, and Systematics, 2005, 36, 191-218. | 3.8 | 1,258 |
| 308 | Trophic Interactions and the Relationship between Species Diversity and Ecosystem Stability. American Naturalist, 2005, 166, E95-E114. | 1.0 | 154 |
| 309 | The impact of peatland afforestation on plant and bird diversity in southeastern QuÃ©bec. Ecoscience, 2005, 12, 161-171. | 0.6 | 40 |
| 310 | INCREASING INTRASPECIFIC DIVERSITY ENHANCES SETTLING SUCCESS IN A MARINE INVERTEBRATE. Ecology, 2005, 86, 3219-3224. | 1.5 | 58 |
| 311 | EFFECTS OF BIODIVERSITY ON ECOSYSTEM FUNCTIONING: A CONSENSUS OF CURRENT KNOWLEDGE. Ecological Monographs, 2005, 75, 3-35. | 2.4 | 5,856 |
| 312 | Edge effects and the responses of aerial insect assemblages to structural-retention harvesting in Canadian boreal peatland forests. Forest Ecology and Management, 2005, 204, 249-266. | 1.4 | 34 |
| 313 | 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 |
| 314 | Body size in ecological networks. Trends in Ecology and Evolution, 2005, 20, 402-409. | 4.2 | 931 |
| 315 | ECOSYSTEM EFFECTS OF BIODIVERSITY MANIPULATIONS IN EUROPEAN GRASSLANDS. Ecological Monographs, 2005, 75, 37-63. | 2.4 | 439 |
| 316 | Climate Change and High Mountain Vegetation Shifts. , 2005, , 77-96. | | 39 |
| 317 | Diversity and Productivity in Forests: Evidence from Long-Term Experimental Plots. , 2005, , 41-64. | | 115 |

| # | Article | IF | Citations |
|---|---|---|---|
| 318 | BIODIVERSITY LOSS AND ECOSYSTEM FUNCTIONING: DISTINGUISHING BETWEEN NUMBER AND IDENTITY OF SPECIES. Ecology, 2005, 86, 1783-1796. | 1.5 | 212 |
| 319 | Complexity, system integration, and susceptibility to change: Biodiversity connection. Ecological Complexity, 2005, 2, 431-442. | 1.4 | 47 |
| 320 | LINKING PATTERNS AND PROCESSES IN ALPINE PLANT COMMUNITIES: A GLOBAL STUDY. Ecology, 2005, 86, 1395-1400. | 1.5 | 203 |
| 321 | Biogenic particle reworking and bacterial-invertebrate interactions in marine sediments. Coastal and Estuarine Studies, 2005, , 105-124. | 0.4 | 28 |
| 322 | Functional response to land use change in grasslands: Comparing species and trait data. Ecoscience, 2005, 12, 183-191. | 0.6 | 15 |
| 323 | Ecosystem services: an ecophysiological examination. Australian Journal of Botany, 2005, 53, 1. | 0.3 | 41 |
| 324 | Relationship of Temporal and Spatial Variabilities of Ammonia-Oxidizing Bacteria to Nitrification Rates in Monterey Bay, California. Applied and Environmental Microbiology, 2005, 71, 697-705. | 1.4 | 103 |
| 325 | DIVERSITYâ€“PRODUCTIVITY RELATIONSHIPS IN STREAMS VARY AS A FUNCTION OF THE NATURAL DISTURBANCE REGIME. Ecology, 2005, 86, 716-726. | 1.5 | 97 |
| 326 | APPLYING COMMUNITY STRUCTURE ANALYSIS TO ECOSYSTEM FUNCTION: EXAMPLES FROM POLLINATION AND CARBON STORAGE. , 2005, 15, 360-375. | | 177 |
| 328 | A call to ecologists: measuring, analyzing, and managing ecosystem services. Frontiers in Ecology and the Environment, 2005, 3, 540-548. | 1.9 | 264 |
| 330 | PREDICTING BIODIVERSITY CHANGE: OUTSIDE THE CLIMATE ENVELOPE, BEYOND THE SPECIESâ€“AREA CURVE. Ecology, 2006, 87, 1896-1906. | 1.5 | 160 |
| 331 | USING THE PRICE EQUATION TO PARTITION THE EFFECTS OF BIODIVERSITY LOSS ON ECOSYSTEM FUNCTION. Ecology, 2006, 87, 2687-2696. | 1.5 | 103 |
| 332 | SPECIES IDENTITY DOMINATES THE RELATIONSHIP BETWEEN PREDATOR BIODIVERSITY AND HERBIVORE SUPPRESSION. Ecology, 2006, 87, 277-282. | 1.5 | 199 |
| 333 | Impacts of Biodiversity Loss on Ocean Ecosystem Services. Science, 2006, 314, 787-790. | 6.0 | 3,422 |
| 334 | Land Systems Research in Denmark: Background and perspectives. Geografisk Tidsskrift, 2006, 106, 1-6. | 0.4 | 9 |
| 335 | Protists in soil ecology and forest nutrient cycling. Canadian Journal of Forest Research, 2006, 36, 1805-1817. | 0.8 | 132 |
| 336 | Experimental Approaches to Understanding the Relationship Between Predator Biodiversity and Biological Control. , 2006, , 221-239. | | 12 |
| 337 | Nutrient enrichment weakens the stabilizing effect of species richness. Oikos, 2006, 114, 291-302. | 1.2 | 64 |

| # | Article | IF | Citations |
|---|---|---|---|
| 338 | The structure and stability of model ecosystems assembled in a variable environment. Oikos, 2006, 114, 451-464. | 1.2 | 3 |
| 339 | Species richness peaks for intermediate levels of biomass in a fractal succession with quasi-neutral interactions. Oikos, 2006, 115, 349-357. | 1.2 | 8 |
| 340 | Partitioning the effects of algal species identity and richness on benthic marine primary production. Oikos, 2006, 115, 170-178. | 1.2 | 100 |
| 341 | Are algal communities driven toward maximum biomass?. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 2667-2674. | 1.2 | 21 |
| 342 | DIVERSITY, ECOSYSTEM FUNCTION, AND STABILITY OF PARASITOIDâ€"HOST INTERACTIONS ACROSS A TROPICAL HABITAT GRADIENT. Ecology, 2006, 87, 3047-3057. | 1.5 | 139 |
| 343 | MODELING BIODIVERSITY DYNAMICS IN COUNTRYSIDE LANDSCAPES. Ecology, 2006, 87, 1877-1885. | 1.5 | 186 |
| 344 | A community ecology perspective on variability in complex systems: The effects of hierarchy and integration. Ecological Complexity, 2006, 3, 71-79. | 1.4 | 11 |
| 345 | Assessing the relative contribution of functional divergence and guild aggregation to overall functional structure of species assemblages. Ecological Informatics, 2006, 1, 367-375. | 2.3 | 6 |
| 346 | Nutrient-limited food webs with up to three trophic levels: Feasibility, stability, assembly rules, and effects of nutrient enrichment. Theoretical Population Biology, 2006, 69, 48-66. | 0.5 | 15 |
| 347 | Resilience and sustainable development. Environment and Development Economics, 2006, 11, 417-427. | 1.3 | 292 |
| 348 | Differential Effects of Nitrogenous Fertilizers on Methane-Consuming Microbes in Rice Field and Forest Soils. Applied and Environmental Microbiology, 2006, 72, 1346-1354. | 1.4 | 209 |
| 349 | HABITAT LOSS, TROPHIC COLLAPSE, AND THE DECLINE OF ECOSYSTEM SERVICES. Ecology, 2006, 87, 1915-1924. | 1.5 | 458 |
| 350 | Loss of a Harvested Fish Species Disrupts Carbon Flow in a Diverse Tropical River. Science, 2006, 313, 833-836. | 6.0 | 270 |
| 351 | Does cropping modify the decomposition function and the diversity of the soil microbial community of tropical fallow soil?. Applied Soil Ecology, 2006, 31, 211-219. | 2.1 | 60 |
| 352 | Genetic diversity of rhizobia associated with common bean (Phaseolus vulgaris L.) grown under no-tillage and conventional systems in Southern Brazil. Applied Soil Ecology, 2006, 32, 210-220. | 2.1 | 99 |
| 353 | Species richness effects on ecosystem functioning increase with time in an ephemeral resource system. Acta Oecologica, 2006, 29, 72-77. | 0.5 | 48 |
| 354 | Short-term physiological responses to a severe acid stress in three macroinvertebrate species: A comparative study. Chemosphere, 2006, 63, 1427-1435. | 4.2 | 14 |
| 355 | Tree species diversity and ecosystem function: Can tropical multi-species plantations generate greater productivity?. Forest Ecology and Management, 2006, 233, 205-210. | 1.4 | 207 |

| # | Article | IF | Citations |
|---|---|---|---|
| 356 | Reconstructing a lost Eocene Paradise, Part II: On the utility of dynamic global vegetation models in pre-Quaternary climate studies. Global and Planetary Change, 2006, 50, 18-32. | 1.6 | 29 |
| 357 | Plant species richness in midfield islets and road verges â€“ The effect of landscape fragmentation. Biological Conservation, 2006, 127, 500-509. | 1.9 | 126 |
| 358 | Diversity erosion beyond the species level: Dramatic loss of functional diversity after selective logging in two tropical amphibian communities. Biological Conservation, 2006, 133, 143-155. | 1.9 | 205 |
| 359 | Identifying and characterizing biological hotspots in the northern California Current. Deep-Sea Research Part II: Topical Studies in Oceanography, 2006, 53, 291-314. | 0.6 | 39 |
| 360 | Habitat structure determines coral reef fish assemblages at the northern tip of the Red Sea. Ecological Indicators, 2006, 6, 494-507. | 2.6 | 60 |
| 361 | Seasonal changes inÂearthworm diversity andÂcommunity structure inÂCentral CÃ´te dâ€™Ivoire. European Journal of Soil Biology, 2006, 42, S334-S340. | 1.4 | 47 |
| 362 | Ecological and species diversity of arid Mediterranean grazing land vegetation. Journal of Arid Environments, 2006, 66, 698-715. | 1.2 | 41 |
| 363 | Microbial ecology of the closed artificial ecosystem MELiSSA (Micro-Ecological Life Support System) Tj ETQq1 1 0.784314 rgBT /Overl<br>for long-haul space exploration missions. Research in Microbiology, 2006, 157, 77-86. | 1.0 | 137 |
| 364 | A molecular dawn for biogeochemistry. Trends in Ecology and Evolution, 2006, 21, 288-295. | 4.2 | 95 |
| 365 | Earth system analysis and the future of the biosphere. European Physical Journal Special Topics, 2006, 139, 143-155. | 0.2 | 2 |
| 366 | Measuring the Diversity of What? And for What Purpose? A Conceptual Comparison of Ecological and Economic Biodiversity Indices. SSRN Electronic Journal, 2006, , . | 0.4 | 20 |
| 368 | Hyperconnectivity, invasive species, and the breakdown of barriers to dispersal. , 2006, , 451-478. | | 15 |
| 369 | Tropical coastal ecosystems and climate change Prediction: Global and local risks. Coastal and Estuarine Studies, 2006, , 5-32. | 0.4 | 9 |
| 371 | A parasite indirectly impacts both abundance of primary producers and biomass of secondary producers in an intertidal benthic community. Journal of the Marine Biological Association of the United Kingdom, 2006, 86, 221-226. | 0.4 | 12 |
| 372 | Local Ecological Communities*. Philosophy of Science, 2006, 73, 215-231. | 0.5 | 36 |
| 373 | Freshwater biodiversity: importance, threats, status and conservation challenges. Biological Reviews, 2006, 81, 163. | 4.7 | 5,448 |
| 374 | Conventional functional classification schemes underestimate the relationship with ecosystem functioning. Ecology Letters, 2006, 9, 111-120. | 3.0 | 236 |
| 375 | Effects of species diversity on disease risk. Ecology Letters, 2006, 9, 485-498. | 3.0 | 1,194 |

| # | Article | IF | Citations |
|---|---|---|---|
| 376 | Dispersal frequency affects local biomass production by controlling local diversity. Ecology Letters, 2006, 9, 652-662. | 3.0 | 110 |
| 377 | Functional diversity: back to basics and looking forward. Ecology Letters, 2006, 9, 741-758. | 3.0 | 1,855 |
| 378 | Do biotic interactions shape both sides of the humped-back model of species richness in plant communities?. Ecology Letters, 2006, 9, 767-773. | 3.0 | 517 |
| 379 | Understanding biodiversity effects on prey in multi-enemy systems. Ecology Letters, 2006, 9, 995-1004. | 3.0 | 109 |
| 380 | Quantifying the evidence for biodiversity effects on ecosystem functioning and services. Ecology Letters, 2006, 9, 1146-1156. | 3.0 | 1,995 |
| 381 | Implementing plant hydraulic architecture within the LPJ Dynamic Global Vegetation Model. Global Ecology and Biogeography, 2006, 15, 567-577. | 2.7 | 140 |
| 382 | What is the link between carbon and phosphorus fluxes in arbuscular mycorrhizas? A null hypothesis for symbiotic function. New Phytologist, 2006, 172, 3-6. | 3.5 | 152 |
| 383 | The mycorrhizal contribution to plant productivity, plant nutrition and soil structure in experimental grassland. New Phytologist, 2006, 172, 739-752. | 3.5 | 336 |
| 384 | Overyielding and stable species coexistence. New Phytologist, 2006, 172, 1-3. | 3.5 | 37 |
| 385 | Symbiotic bacteria as a determinant of plant community structure and plant productivity in dune grassland. FEMS Microbiology Ecology, 2006, 56, 178-187. | 1.3 | 193 |
| 386 | Physiological traits of bacterial strains isolated from phenol-degrading aerobic granules. FEMS Microbiology Ecology, 2006, 57, 182-191. | 1.3 | 42 |
| 387 | Grazing without grasses: Effects of introduced livestock on plant community composition in an arid environment in northern Patagonia. Applied Vegetation Science, 2006, 9, 109-116. | 0.9 | 31 |
| 388 | Plant characteristics are poor predictors of microsite colonization during the first two years of primary succession. Journal of Vegetation Science, 2006, 17, 397-406. | 1.1 | 68 |
| 389 | Biodiversity and ecosystem functioning: It is time for dispersal experiments. Journal of Vegetation Science, 2006, 17, 543-547. | 1.1 | 40 |
| 390 | Biodiversity as both a cause and consequence of resource availability: a study of reciprocal causality in a predator-prey system. Journal of Animal Ecology, 2006, 75, 497-505. | 1.3 | 109 |
| 391 | Species richness and allometric scaling jointly determine biomass in model aquatic food webs. Journal of Animal Ecology, 2006, 75, 1014-1023. | 1.3 | 37 |
| 392 | The effects of plant diversity and insect herbivory on performance of individual plant species in experimental grassland. Journal of Ecology, 2006, 94, 922-931. | 1.9 | 48 |
| 393 | The Park Grass Experiment 1856-2006: its contribution to ecology. Journal of Ecology, 2006, 94, 801-814. | 1.9 | 328 |

| # | Article | IF | Citations |
|---|---|---|---|
| 394 | From genes to geography: a genetic similarity rule for arthropod community structure at multiple geographic scales. Molecular Ecology, 2006, 15, 4215-4228. | 2.0 | 62 |
| 395 | Using niche-based modelling to assess the impact of climate change on tree functional diversity in Europe. Diversity and Distributions, 2006, 12, 49-60. | 1.9 | 248 |
| 396 | Effects of plant species diversity, atmospheric [CO2 ], and N addition on gross rates of inorganic N release from soil organic matter. Global Change Biology, 2006, 12, 1400-1408. | 4.2 | 47 |
| 397 | Effects of biodiversity on the functioning of trophic groups and ecosystems. Nature, 2006, 443, 989-992. | 13.7 | 1,516 |
| 398 | Assessing the vulnerability of agricultural land use and species to climate change and the role of policy in facilitating adaptation. Environmental Science and Policy, 2006, 9, 189-204. | 2.4 | 151 |
| 399 | Differences in common bean rhizobial populations associated with soil tillage management in southern Brazil. Soil and Tillage Research, 2006, 87, 205-217. | 2.6 | 35 |
| 400 | Global Biodiversity Conservation Priorities. Science, 2006, 313, 58-61. | 6.0 | 1,762 |
| 401 | Research in the Garden: Averting the Collections Crisis. Botanical Review, The, 2006, 72, 207-234. | 1.7 | 66 |
| 402 | INTERSPECIFIC RELATIONSHIPS AMONG SOIL INVERTEBRATES INFLUENCE POLLUTANT EFFECTS OF PHENANTHRENE. Environmental Toxicology and Chemistry, 2006, 25, 120. | 2.2 | 16 |
| 403 | Self-organized similarity, the evolutionary emergence of groups of similar species. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6230-6235. | 3.3 | 488 |
| 404 | Promising indicators for assessment of agroecosystems alteration among natural, reforested and agricultural land use in southern Brazil. Agriculture, Ecosystems and Environment, 2006, 115, 237-247. | 2.5 | 80 |
| 405 | Advancing Science for Water Resources Management. Hydrobiologia, 2006, 565, 277-288. | 1.0 | 45 |
| 406 | A potential novel source of information for screening and monitoring the impact of exotic plants on ecosystems. Biological Invasions, 2006, 8, 1511-1521. | 1.2 | 18 |
| 407 | Patterns of Species Richness at Varying Scales in Western Kenya: Planning for Agroecosystem Diversification. Biodiversity and Conservation, 2006, 15, 3235-3249. | 1.2 | 26 |
| 408 | Tree Diversity in Western Kenya: Using Profiles to Characterise Richness and Evenness. Biodiversity and Conservation, 2006, 15, 1253-1270. | 1.2 | 58 |
| 409 | Biological quality metrics: their variability and appropriate scale for assessing streams. Hydrobiologia, 2006, 566, 153-172. | 1.0 | 33 |
| 410 | Food Webs and Disease: Is Pathogen Diversity Limited by Vector Diversity?. EcoHealth, 2006, 3, 163-170. | 0.9 | 18 |
| 411 | Planning tree species diversification in Kenya based on differences in tree species composition between farms. I. Analysis of tree uses. Agroforestry Systems, 2006, 67, 215-228. | 0.9 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 412 | Planning tree species diversification in Kenya based on differences in tree species composition between farms. II. Analysis of tree niches.. Agroforestry Systems, 2006, 67, 229-241. | 0.9 | 5 |
| 413 | Agricultural Legacies in the Great Basin Alter Vegetation Cover, Composition, and Response to Precipitation. Ecosystems, 2006, 9, 1231-1241. | 1.6 | 27 |
| 414 | Alternative Dynamic Regimes and Trophic Control of Plant Succession. Ecosystems, 2006, 9, 659-672. | 1.6 | 40 |
| 415 | Energy flow and subsidies associated with the complex life cycle of ambystomatid salamanders in ponds and adjacent forest in southern Illinois. Oecologia, 2006, 147, 303-314. | 0.9 | 113 |
| 416 | Enhanced seed dispersal of Prunus africana in fragmented and disturbed forests?. Oecologia, 2006, 147, 238-252. | 0.9 | 94 |
| 417 | A continental scale evaluation of the role of limpet grazing on rocky shores. Oecologia, 2006, 147, 556-564. | 0.9 | 214 |
| 418 | Environmental fluctuations facilitate species co-existence and increase decomposition in communities of wood decay fungi. Oecologia, 2006, 148, 625-631. | 0.9 | 103 |
| 419 | Role of homestead forests in household economy and factors affecting forest production: a case study in southwest Bangladesh. Journal of Forest Research, 2006, 11, 89-97. | 0.7 | 23 |
| 420 | Stability in a Denitrifying Fluidized Bed Reactor. Microbial Ecology, 2006, 52, 311-321. | 1.4 | 35 |
| 421 | Response of Rhizobial Populations to Moderate Copper Stress Applied to an Agricultural Soil. Microbial Ecology, 2006, 52, 426-435. | 1.4 | 31 |
| 422 | Large-Scale Variation in Subsurface Stream Biofilms: A Cross-Regional Comparison of Metabolic Function and Community Similarity. Microbial Ecology, 2006, 52, 491-500. | 1.4 | 32 |
| 423 | The emerging role of genetic diversity for ecosystem functioning: Estuarine macrophytes as models. Estuaries and Coasts, 2006, 29, 159-164. | 1.0 | 83 |
| 424 | Species richness of vascular plants, bryophytes and lichens in dry grasslands: The effects of environment, landscape structure and competition. Folia Geobotanica, 2006, 41, 377-393. | 0.4 | 133 |
| 425 | Systems or species? Approaches to conservation for the 21st century. Integrative Zoology, 2006, 1, 86-95. | 1.3 | 11 |
| 426 | Comparison of nematode communities in Baltic and North Sea sublittoral, permeable sands â€“ Diversity and environmental control. Estuarine, Coastal and Shelf Science, 2006, 70, 224-238. | 0.9 | 20 |
| 427 | Relative and absolute scarcity of nature. Assessing the roles of economics and ecology for biodiversity conservation. Ecological Economics, 2006, 59, 487-498. | 2.9 | 115 |
| 428 | Trophic relationships in the recently impounded BagrÃ© reservoir in Burkina Faso. Ecological Modelling, 2006, 191, 243-259. | 1.2 | 28 |
| 429 | Improving image derived vegetation maps with regression based distribution modeling. Ecological Modelling, 2006, 192, 126-142. | 1.2 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 430 | Mapping the species richness and composition of tropical forests from remotely sensed data with neural networks. Ecological Modelling, 2006, 195, 37-42. | 1.2 | 96 |
| 431 | The influence of plant litter diversity on decomposer abundance and diversity. Soil Biology and Biochemistry, 2006, 38, 1052-1062. | 4.2 | 269 |
| 432 | Rapid effects of plant species diversity and identity on soil microbial communities in experimental grassland ecosystems. Soil Biology and Biochemistry, 2006, 38, 2336-2343. | 4.2 | 95 |
| 433 | Life in earth: the impact of GM plants on soil ecology?. Trends in Biotechnology, 2006, 24, 9-14. | 4.9 | 52 |
| 434 | Rivets or bolts? When single species count in the function of temperate rocky reef communities. Journal of Experimental Marine Biology and Ecology, 2006, 338, 233-252. | 0.7 | 105 |
| 435 | Matching biological traits to environmental conditions in marine benthic ecosystems. Journal of Marine Systems, 2006, 60, 302-316. | 0.9 | 170 |
| 436 | Multi-target strategies for the improved treatment of depressive states: Conceptual foundations and neuronal substrates, drug discovery and therapeutic application. , 2006, 110, 135-370. | | 483 |
| 437 | Land degradation in northeastern Iceland: present and past carbon fluxes. Land Degradation and Development, 2006, 17, 401-417. | 1.8 | 22 |
| 438 | Community dominance by a canopy species controls the relationship between macroalgal production and species richness. Limnology and Oceanography, 2006, 51, 1813-1818. | 1.6 | 21 |
| 439 | The History (1620-2003) of Land Use, People and Livestock, and the Relationship to Present Plant Species Diversity in a Rural Landscape in Sweden. Environment and History, 2006, 12, 191-212. | 0.1 | 61 |
| 440 | Leaf breakdown in tropical streams: the role of different species in ecosystem functioning. Archiv FÃ¼r Hydrobiologie, 2006, 166, 453-466. | 1.1 | 29 |
| 442 | New Directions in Conservation for the National Wildlife Refuge System. BioScience, 2006, 56, 135. | 2.2 | 29 |
| 443 | Enhanced source-water monitoring for New York City: summary and perspective. Journal of the North American Benthological Society, 2006, 25, 1062-1067. | 3.0 | 4 |
| 444 | E. coli Microcosms Indicate a Tight Link between Predictability of Ecosystem Dynamics and Diversity. PLoS Genetics, 2006, 2, e103. | 1.5 | 5 |
| 445 | Identification of Bacterial Micropredators Distinctively Active in a Soil Microbial Food Web. Applied and Environmental Microbiology, 2006, 72, 5342-5348. | 1.4 | 191 |
| 446 | SEAWEED DIVERSITY ENHANCES NITROGEN UPTAKE VIA COMPLEMENTARY USE OF NITRATE AND AMMONIUM. Ecology, 2006, 87, 2397-2403. | 1.5 | 133 |
| 447 | NICHE COMPLEMENTARITY FOR NITROGEN: AN EXPLANATION FOR THE BIODIVERSITY AND ECOSYSTEM FUNCTIONING RELATIONSHIP?. Ecology, 2006, 87, 1244-1255. | 1.5 | 202 |
| 448 | Interactive effects of drought and pathogens in forest trees. Annals of Forest Science, 2006, 63, 597-612. | 0.8 | 465 |

| # | Article | IF | Citations |
|---|---|---|---|
| 449 | Culture-Independent Analyses of Temporal Variation of the Dominant Fecal Microbiota and Targeted Bacterial Subgroups in Crohn's Disease. Journal of Clinical Microbiology, 2006, 44, 3980-3988. | 1.8 | 277 |
| 450 | Resilience of Microbial Systems Towards Disturbances. Critical Reviews in Microbiology, 2006, 32, 101-112. | 2.7 | 96 |
| 451 | Principal Component Analysis for Spatial Point Processes â€" Assessing the Appropriateness of the Approach in an Ecological Context. , 2006, , 135-150. | | 11 |
| 452 | Evaluation of line transect sampling for density estimates of chiru Pantholops hodgsoni in the Aru Basin, Tibet. Wildlife Biology, 2006, 12, 89-100. | 0.6 | 18 |
| 453 | Spatial patterns of the NDVIâ€"rainfall relationship at the seasonal and interannual time scales in an African savanna. International Journal of Remote Sensing, 2006, 27, 5185-5200. | 1.3 | 114 |
| 454 | Controlling species richness in spin-glass model ecosystems. Physical Review E, 2006, 74, 051919. | 0.8 | 1 |
| 455 | PREDATORS HAVE LARGE EFFECTS ON ECOSYSTEM PROPERTIES BY CHANGING PLANT DIVERSITY, NOT PLANT BIOMASS. Ecology, 2006, 87, 1432-1437. | 1.5 | 115 |
| 456 | Community Response Patterns: Evaluating Benthic Invertebrate Composition In Metal-Polluted Streams. , 2006, 16, 645-655. | | 22 |
| 457 | DRAMATIC DECLINES IN MUSSEL BED COMMUNITY DIVERSITY: RESPONSE TO CLIMATE CHANGE?. Ecology, 2006, 87, 1153-1161. | 1.5 | 79 |
| 458 | Tree species diversity reduces the invasibility of maritime pine stands by the bast scale, Matsucoccus feytaudi (Homoptera: Margarodidae). Canadian Journal of Forest Research, 2006, 36, 314-323. | 0.8 | 50 |
| 461 | Annually reoccurring bacterial communities are predictable from ocean conditions. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13104-13109. | 3.3 | 578 |
| 462 | Tradeoffs between income, biodiversity, and ecosystem functioning during tropical rainforest conversion and agroforestry intensification. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4973-4978. | 3.3 | 396 |
| 463 | Fish extinctions and ecosystem functioning in tropical ecosystems. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5707-5708. | 3.3 | 16 |
| 464 | BIODIVERSITY MEDIATES PRODUCTIVITY THROUGH DIFFERENT MECHANISMS AT ADJACENT TROPHIC LEVELS. Ecology, 2007, 88, 2821-2829. | 1.5 | 21 |
| 465 | Does Species Richness Drive Community Production or Vice Versa? Reconciling Historical and Contemporary Paradigms in Competitive Communities. American Naturalist, 2007, 170, 207-220. | 1.0 | 114 |
| 466 | A HISTORY OF THE STUDY OF ECOLOGICAL NETWORKS. Complex Systems and Interdisciplinary Science, 2007, , 365-421. | 0.2 | 14 |
| 467 | Longâ€term changes in abundance and diversity of macrophyte and waterfowl populations in an estuary with exotic macrophytes and improving water quality. Limnology and Oceanography, 2007, 52, 1195-1207. | 1.6 | 61 |
| 468 | Metabolic Scaling and the Evolutionary Dynamics of Plant Size, Form, and Diversity: Toward a Synthesis of Ecology, Evolution, and Paleontology. International Journal of Plant Sciences, 2007, 168, 729-749. | 0.6 | 39 |

| # | Article | IF | Citations |
|---|---|---|---|
| 469 | Long-term datasets: From descriptive to predictive data using ecoinformatics. Journal of Vegetation Science, 2007, 18, 458. | 1.1 | 23 |
| 470 | CONSEQUENCES OF NICHE OVERLAP FOR ECOSYSTEM FUNCTIONING: AN EXPERIMENTAL TEST WITH POND GRAZERS. Ecology, 2007, 88, 2072-2083. | 1.5 | 25 |
| 471 | Macroecological responses of terrestrial vegetation to climatic and atmospheric change across the Triassic/Jurassic boundary in East Greenland. Paleobiology, 2007, 33, 547-573. | 1.3 | 156 |
| 473 | Influence of macrofaunal assemblages and environmental heterogeneity on microphytobenthic production in experimental systems. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2547-2554. | 1.2 | 74 |
| 474 | SPECIES RICHNESS PATTERNS ALONG ENVIRONMENTAL GRADIENTS IN ISLAND LAND MOLLUSCAN FAUNA. Ecology, 2007, 88, 1738-1746. | 1.5 | 21 |
| 475 | Addressing the Functional Value of Biodiversity for Ecosystem Functioning Using Stable Isotopes. Journal of Nano Education (Print), 2007, 1, 345-359. | 0.3 | 0 |
| 476 | Biodiversity and the functioning of hypersaline lake ecosystems from Crimea Peninsula (Black Sea). Fundamental and Applied Limnology, 2007, 169, 79-87. | 0.4 | 18 |
| 477 | PLANT ASSEMBLAGE COMPOSITION EXPLAINS AND PREDICTS HOW BIODIVERSITY AFFECTS SALT MARSH FUNCTIONING. Ecological Monographs, 2007, 77, 569-590. | 2.4 | 41 |
| 478 | Microcosm experiments can inform global ecological problems. Trends in Ecology and Evolution, 2007, 22, 516-521. | 4.2 | 273 |
| 479 | Rare species, habitat diversity and functional redundancy in marine benthos. Journal of Sea Research, 2007, 58, 291-301. | 0.6 | 95 |
| 480 | Ecological versus ecotoxicological methods for assessing the environmental risks of transgenic crops. Plant Science, 2007, 173, 589-602. | 1.7 | 108 |
| 481 | Reconciling niche and neutrality through the Emergent Group approach. Perspectives in Plant Ecology, Evolution and Systematics, 2007, 9, 71-78. | 1.1 | 54 |
| 482 | Exploring the functional significance of forest diversity: A new long-term experiment with temperate tree species (BIOTREE). Perspectives in Plant Ecology, Evolution and Systematics, 2007, 9, 53-70. | 1.1 | 190 |
| 483 | Intermediate predator impact on consumers weakens with increasing predator diversity in the presence of a top-predator. Acta Oecologica, 2007, 31, 79-85. | 0.5 | 16 |
| 484 | Effects of species and functional group richness on production in two fertility environments: an experiment with communities of perennial plants. Acta Oecologica, 2007, 32, 93-103. | 0.5 | 20 |
| 485 | Consequences of individual species loss in biodiversity experiments: An essentiality index. Acta Oecologica, 2007, 32, 236-242. | 0.5 | 29 |
| 486 | The usefulness of stability concepts in forest management when coping with increasing climate uncertainties. Forest Ecology and Management, 2007, 242, 541-552. | 1.4 | 61 |
| 487 | Effects of diversity of tree species and size on forest basal area growth, recruitment, and mortality. Forest Ecology and Management, 2007, 243, 116-127. | 1.4 | 130 |

| # | Article | IF | Citations |
|---|---|---|---|
| 488 | Understanding mental constructs of biodiversity: Implications for biodiversity management and conservation. Biological Conservation, 2007, 136, 271-282. | 1.9 | 240 |
| 489 | Incorporating ecological sustainability into landscape planning. Landscape and Urban Planning, 2007, 79, 374-384. | 3.4 | 109 |
| 490 | Modelling the impacts of payments for biodiversity conservation on regional land-use patterns. Landscape and Urban Planning, 2007, 83, 255-267. | 3.4 | 17 |
| 491 | Scale-dependent relationships between plant diversity and above-ground biomass in temperate grasslands, south-eastern Mongolia. Journal of Arid Environments, 2007, 68, 132-142. | 1.2 | 22 |
| 492 | From selection to complementarity: shifts in the causes of biodiversityâ€“productivity relationships in a long-term biodiversity experiment. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 871-876. | 1.2 | 375 |
| 493 | Climate change and the marine ecosystem of the western Antarctic Peninsula. Philosophical Transactions of the Royal Society B: Biological Sciences, 2007, 362, 149-166. | 1.8 | 343 |
| 494 | Cascading extinctions and ecosystem functioning: contrasting effects of diversity depending on food web structure. Oikos, 2007, 116, 163-173. | 1.2 | 85 |
| 495 | Evenness-invasibility relationships differ between two extinction scenarios in tallgrass prairie. Oikos, 2007, 116, 87-98. | 1.2 | 38 |
| 496 | Functional richness of local hoverfly communities (Diptera, Syrphidae) in response to land use across temperate Europe. Oikos, 2007, 116, 461-472. | 1.2 | 97 |
| 498 | Large-Scale Biodiversity Experiments. , 2007, , 583-589. | | 0 |
| 499 | REDUCED RODENT BIODIVERSITY DESTABILIZES PLANT POPULATIONS. Ecology, 2007, 88, 26-31. | 1.5 | 23 |
| 501 | Positive Interactions and Interdependence in Plant Communities. , 2007, , . | | 47 |
| 503 | Incorporating plant functional diversity effects in ecosystem service assessments. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20684-20689. | 3.3 | 1,242 |
| 504 | Disharmony between Society and Environmental Carrying Capacity: A Historical Review, with an Emphasis on China. Ambio, 2007, 36, 409-415. | 2.8 | 34 |
| 505 | Stability and Diversity of Ecosystems. Science, 2007, 317, 58-62. | 6.0 | 1,193 |
| 506 | Interpreting Ecological Diversity Indices Applied to Terminal Restriction Fragment Length Polymorphism Data: Insights from Simulated Microbial Communities. Applied and Environmental Microbiology, 2007, 73, 5276-5283. | 1.4 | 174 |
| 507 | Impacts of plant diversity on biomass production increase through time because of species complementarity. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 18123-18128. | 3.3 | 1,175 |
| 508 | Farmland Biodiversity and the Footprint of Agriculture. Science, 2007, 315, 381-384. | 6.0 | 352 |

| # | Article | IF | Citations |
|---|---|---|---|
| 509 | Within-species variation in foliar chemistry influences leaf-litter decomposition in a Utah river. Journal of the North American Benthological Society, 2007, 26, 426-438. | 3.0 | 99 |
| 510 | Influence of Phylogeny on Fungal Community Assembly and Ecosystem Functioning. Science, 2007, 316, 1746-1748. | 6.0 | 850 |
| 511 | Amphibian communities in disturbed forests: lessons from the Neo- and Afrotropics. Environmental Science and Engineering, 2007, , 59-85. | 0.1 | 4 |
| 513 | Understanding the Effects of Marine Biodiversity on Communities and Ecosystems. Annual Review of Ecology, Evolution, and Systematics, 2007, 38, 739-766. | 3.8 | 349 |
| 514 | LONG-TERM DATA REVEAL COMPLEX DYNAMICS IN GRASSLAND IN RELATION TO CLIMATE AND DISTURBANCE. Ecological Monographs, 2007, 77, 545-568. | 2.4 | 119 |
| 515 | Effects of Environmental Variability on Ecological Communities: Testing the Insurance Hypothesis of Biodiversity in Aquatic Microcosms. , 2007, , 179-196. | | 3 |
| 516 | Sustaining Biodiversity in the Oregon Coast Range: Potential effects of Forest Policies in a Multi-ownership Province. Ecology and Society, 2007, 12, . | 1.0 | 8 |
| 517 | Niche Occupation Limits Adaptive Radiation in Experimental Microcosms. PLoS ONE, 2007, 2, e193. | 1.1 | 72 |
| 518 | Soil and Plant Nitrogen Pools as Related to Plant Diversity in an Experimental Grassland. Soil Science Society of America Journal, 2007, 71, 720-729. | 1.2 | 114 |
| 519 | Nitrogen and Phosphorus Budgets in Experimental Grasslands of Variable Diversity. Journal of Environmental Quality, 2007, 36, 396-407. | 1.0 | 58 |
| 520 | VariaÃ§Ãµes qualitativas e quantitativas na microbiota do solo e na fixaÃ§Ã£o biolÃ³gica do nitrogÃªnio sob diferentes manejos com soja. Revista Brasileira De Ciencia Do Solo, 2007, 31, 1397-1412. | 0.5 | 23 |
| 521 | Large-Scale Biodiversity Experiments. , 2007, , 1-9. | | 0 |
| 522 | The consequences of body size in model microbial ecosystems. , 2007, , 245-265. | | 3 |
| 523 | Ecology, sustainable development, and IPM: the human factor. , 0, , 1-44. | | 5 |
| 524 | Integrating ecology into biotechnology. Current Opinion in Biotechnology, 2007, 18, 287-292. | 3.3 | 57 |
| 525 | Evolutionary aspects of climate-induced changes and the need for multidisciplinarity. Journal of Thermal Biology, 2007, 32, 118-124. | 1.1 | 65 |
| 526 | Biodiversity and ecosystem functioning: reconciling the results of experimental and observational studies. Functional Ecology, 2007, 21, 998-1002. | 1.7 | 100 |
| 527 | Functional and performance comparisons of invasive Hieracium lepidulum and co-occurring species in New Zealand. Austral Ecology, 2007, 32, 338-354. | 0.7 | 19 |

| # | Article | IF | Citations |
|---|---|---|---|
| 528 | Evolution of species interactions in a biofilm community. Nature, 2007, 445, 533-536. | 13.7 | 460 |
| 529 | Grassland species loss resulting from reduced niche dimension. Nature, 2007, 446, 791-793. | 13.7 | 481 |
| 530 | Biodiversity and ecosystem multifunctionality. Nature, 2007, 448, 188-190. | 13.7 | 975 |
| 531 | Increasing intraspecific diversity increases predictability in population survival in the face of perturbations. Oikos, 2007, 116, 700-705. | 1.2 | 54 |
| 532 | Colonization sequence influences selection and complementarity effects on biomass production in experimental algal microcosms. Oikos, 2007, 116, 1748-1758. | 1.2 | 32 |
| 533 | Contrasting effects of diversity on the temporal stability of plant populations. Oikos, 2007, 116, 1323-1330. | 1.2 | 77 |
| 534 | Does complementary resource use enhance ecosystem functioning? A model of light competition in plant communities. Ecology Letters, 2007, 10, 54-62. | 3.0 | 189 |
| 535 | Species richness and wood production: a positive association in Mediterranean forests. Ecology Letters, 2007, 10, 241-250. | 3.0 | 261 |
| 536 | The functional role of biodiversity in ecosystems: incorporating trophic complexity. Ecology Letters, 2007, 10, 522-538. | 3.0 | 808 |
| 537 | Does species diversity limit productivity in natural grassland communities?. Ecology Letters, 2007, 10, 680-689. | 3.0 | 351 |
| 538 | Tree diversity reduces herbivory by forest insects. Ecology Letters, 2007, 10, 835-848. | 3.0 | 548 |
| 539 | Reciprocal relationships and potential feedbacks between biodiversity and disturbance. Ecology Letters, 2007, 10, 849-864. | 3.0 | 183 |
| 540 | Functionally distinct communities of ammonia-oxidizing bacteria along an estuarine salinity gradient. Environmental Microbiology, 2007, 9, 1439-1447. | 1.8 | 141 |
| 541 | Bacterial taxa abundance pattern in an industrial wastewater treatment system determined by the full rRNA cycle approach. Environmental Microbiology, 2007, 9, 1780-1789. | 1.8 | 56 |
| 542 | Nutrient dependent effects of consumer identity and diversity on freshwater ecosystem function. Freshwater Biology, 2007, 53, 071002234536001-???. | 1.2 | 8 |
| 543 | Interactive effects of warming and species loss on model Antarctic microbial food webs. Functional Ecology, 2007, 21, 577-584. | 1.7 | 13 |
| 544 | Plant species richness, elevated CO2, and atmospheric nitrogen deposition alter soil microbial community composition and function. Global Change Biology, 2007, 13, 980-989. | 4.2 | 238 |
| 545 | Evenness drives consistent diversity effects in intensive grassland systems across 28 European sites. Journal of Ecology, 2007, 95, 530-539. | 1.9 | 287 |

| # | Article | IF | Citations |
|---|---|---|---|
| 546 | Evaluating the distribution of plant life-history traits in relation to current and historical landscape configurations. Journal of Ecology, 2007, 95, 555-564. | 1.9 | 108 |
| 547 | Complementarity as a mechanism of coexistence between functional groups of grasses. Journal of Ecology, 2007, 95, 1296-1305. | 1.9 | 117 |
| 548 | Effects of functional constraints and opportunism on the functional structure of a vertebrate predator assemblage. Journal of Animal Ecology, 2007, 76, 246-257. | 1.3 | 15 |
| 549 | Experimental evidence for the effects of dung beetle functional group richness and composition on ecosystem function in a tropical forest. Journal of Animal Ecology, 2007, 76, 1094-1104. | 1.3 | 251 |
| 550 | Competitive dynamics in two- and three-component intercrops. Journal of Applied Ecology, 2007, 44, 545-551. | 1.9 | 66 |
| 551 | Niche-assembly vs. dispersal-assembly rules in coastal fish metacommunities: implications for management of biodiversity in brackish lagoons. Journal of Applied Ecology, 2007, 44, 760-767. | 1.9 | 45 |
| 552 | Indicators for biodiversity in agricultural landscapes: a panâ€European study. Journal of Applied Ecology, 2008, 45, 141-150. | 1.9 | 530 |
| 553 | When Agendas Collide: Human Welfare and Biological Conservation. Conservation Biology, 2007, 21, 59-68. | 2.4 | 245 |
| 554 | Susceptibility of Common and Rare Plant Species to the Genetic Consequences of Habitat Fragmentation. Conservation Biology, 2007, 21, 823-831. | 2.4 | 383 |
| 555 | Longâ€term datasets: From descriptive to predictive data using ecoinformatics. Journal of Vegetation Science, 2007, 18, 457-462. | 1.1 | 9 |
| 556 | Aboveâ€ground standing biomass and tree species diversity in natural stands of Central Europe. Journal of Vegetation Science, 2007, 18, 555-562. | 1.1 | 87 |
| 557 | Species abundances influence the net biodiversity effect in mixtures of two plant species. Basic and Applied Ecology, 2007, 8, 209-218. | 1.2 | 14 |
| 558 | The effect of diversity and spatial arrangement on biomass of agricultural cultivars and native plant species. Basic and Applied Ecology, 2007, 8, 521-532. | 1.2 | 7 |
| 559 | Environmental assessment of Swedish agriculture. Ecological Economics, 2007, 60, 550-563. | 2.9 | 50 |
| 560 | Biodiversity pressure and the driving forces behind. Ecological Economics, 2007, 61, 146-158. | 2.9 | 72 |
| 561 | Soil biota, ecosystem services and land productivity. Ecological Economics, 2007, 64, 269-285. | 2.9 | 699 |
| 562 | Predicting ecosystem functioning from plant traits: Results from a multi-scale ecophysiological modeling approach. Ecological Modelling, 2007, 203, 453-463. | 1.2 | 12 |
| 563 | Consequences of intraspecific variation for the structure and function of ecological communities Part 2: Linking diversity and function. Ecological Modelling, 2007, 207, 277-285. | 1.2 | 48 |

| # | Article | IF | Citations |
|---|---|---|---|
| 564 | Biodiversity and ecosystem functioning in coastal lagoons: Does microbial diversity play any role?. Estuarine, Coastal and Shelf Science, 2007, 75, 4-12. | 0.9 | 84 |
| 565 | Effects of vegetation type on soil microbial community structure and catabolic diversity assessed by polyphasic methods in North China. Journal of Environmental Sciences, 2007, 19, 1228-1234. | 3.2 | 60 |
| 566 | Developing incentives and economic mechanisms for in situ biodiversity conservation in agricultural landscapes. Agriculture, Ecosystems and Environment, 2007, 121, 256-268. | 2.5 | 166 |
| 567 | Predicting plant species richness and vegetation patterns in cultural landscapes using disturbance parameters. Agriculture, Ecosystems and Environment, 2007, 122, 446-452. | 2.5 | 24 |
| 568 | Relationship between global warming and species richness of vascular plants. Journal of Plant Biology, 2007, 50, 321-324. | 0.9 | 5 |
| 569 | Eisenia fetida (Oligochaeta: Lumbricidae) Modifies the Structure and Physiological Capabilities of Microbial Communities Improving Carbon Mineralization During Vermicomposting of Pig Manure. Microbial Ecology, 2007, 54, 662-671. | 1.4 | 108 |
| 570 | Phylogenetic and functional diversity of propionate-oxidizing bacteria in an anaerobic digester sludge. Applied Microbiology and Biotechnology, 2007, 75, 673-683. | 1.7 | 79 |
| 571 | Bioaugmentation and coexistence of two functionally similar bacterial strains in aerobic granules. Applied Microbiology and Biotechnology, 2007, 75, 1191-1200. | 1.7 | 32 |
| 572 | Soybean [Glycine max (L.) Merrill] rhizobial diversity in Brazilian oxisols under various soil, cropping, and inoculation managements. Biology and Fertility of Soils, 2007, 43, 665-674. | 2.3 | 58 |
| 573 | Ecophysiological traits of plant functional groups in forest and pasture ecosystems from eastern AmazÃ´nia, Brazil. Plant Ecology, 2007, 193, 101-112. | 0.7 | 91 |
| 574 | How biological diversity influences ecosystem function: a test with a tropical stream detritivore guild. Ecological Research, 2007, 22, 551-558. | 0.7 | 37 |
| 575 | Effects of different components of diversity on productivity in artificial plant communities. Ecological Research, 2007, 22, 629-634. | 0.7 | 39 |
| 576 | Impacts of tree species diversity on litter decomposition in northern temperate forests of Wisconsin, USA: a multi-site experiment along a latitudinal gradient. Plant and Soil, 2007, 292, 147-159. | 1.8 | 71 |
| 577 | Differentiation between responses of primary productivity and phosphorus exploitation to species richness. Plant and Soil, 2007, 297, 69-81. | 1.8 | 21 |
| 578 | What type of diversity yields synergy during mixed litter decomposition in a natural forest ecosystem?. Plant and Soil, 2007, 299, 153-162. | 1.8 | 98 |
| 579 | Stability of spatial pattern of fish species diversity in the Strait of Sicily (central Mediterranean). Hydrobiologia, 2007, 580, 117-124. | 1.0 | 27 |
| 580 | What does biodiversity actually do? A review for managers and policy makers. Biodiversity and Conservation, 2007, 16, 1359-1378. | 1.2 | 80 |
| 581 | Ecosystem services and biodiversity in developing countries. Biodiversity and Conservation, 2007, 16, 2729-2737. | 1.2 | 79 |

| # | Article | IF | Citations |
|---|---|---|---|
| 582 | Size doesnâ€™t matter: towards a more inclusive philosophy of biology. Biology and Philosophy, 2007, 22, 155-191. | 0.7 | 127 |
| 583 | Examining the Links between Biodiversity and Human Health: An Interdisciplinary Research Initiative at the U.S. Environmental Protection Agency. EcoHealth, 2007, 4, 82-85. | 0.9 | 12 |
| 584 | Establishment of grassland species in monocultures: different strategies lead to success. Oecologia, 2007, 152, 435-447. | 0.9 | 50 |
| 585 | A keystone ant species promotes seed dispersal in a â€œdiffuseâ€•mutualism. Oecologia, 2007, 153, 687-697. | 0.9 | 90 |
| 586 | Predator diversity and density affect levels of predation upon strongly interactive species in temperate rocky reefs. Oecologia, 2007, 154, 513-520. | 0.9 | 33 |
| 587 | Detecting the role of individual species for overyielding in experimental grassland communities composed of potentially dominant species. Oecologia, 2007, 154, 535-549. | 0.9 | 72 |
| 588 | Woody species diversity influences productivity and soil nutrient availability in tropical plantations. Oecologia, 2007, 154, 521-533. | 0.9 | 70 |
| 589 | Plant Spatial Pattern Predicts Hillslope Runoff and Erosion in a Semiarid Mediterranean Landscape. Ecosystems, 2007, 10, 987-998. | 1.6 | 184 |
| 590 | Relationship and its ecological significance between plant species diversity and ecosystem function of soil conservation in semi-humid evergreen forests, Yunnan Province, China. Frontiers of Forestry in China: Selected Publications From Chinese Universities, 2007, 2, 18-27. | 0.2 | 6 |
| 591 | A general multi-trait-based framework for studying the effects of biodiversity on ecosystem functioning. Journal of Theoretical Biology, 2007, 247, 213-229. | 0.8 | 90 |
| 592 | Community homogenization and the invasiveness of commensal species in Mediterranean afforested landscapes. Biological Invasions, 2008, 10, 507-515. | 1.2 | 22 |
| 593 | Tropical tree species composition affects the oxidation of dissolved organic matter from litter. Biogeochemistry, 2008, 88, 127-138. | 1.7 | 54 |
| 594 | Effects of a predatory fish on a tropical detritusâ€based food web. Ecological Research, 2008, 23, 649-655. | 0.7 | 21 |
| 595 | Dynamic Scaling in Chemical Ecology. Journal of Chemical Ecology, 2008, 34, 822-836. | 0.9 | 33 |
| 596 | Differentiated free-living and sediment-attached bacterial community structure inside and outside denitrification hotspots in the riverâ€“groundwater interface. Hydrobiologia, 2008, 598, 109-121. | 1.0 | 45 |
| 597 | Gradients in biodiversity and macroalgal wrack decomposition rate across a macrotidal, ultradissipative sandy beach. Marine Biology, 2008, 155, 79-90. | 0.7 | 15 |
| 598 | Quantitative assessment of phenol hydroxylase diversity in bioreactors using a functional gene analysis. Applied Microbiology and Biotechnology, 2008, 78, 863-872. | 1.7 | 13 |
| 599 | The matter of spatial and temporal scales: a review of reindeer and caribou response to human activity. Polar Biology, 2008, 31, 399-407. | 0.5 | 124 |

| # | Article | IF | Citations |
|---|---|---|---|
| 600 | Decomposition and macroinvertebrates in experimental litter along a secondary chronosequence of tropical montane forest. Biology and Fertility of Soils, 2008, 44, 853-861. | 2.3 | 3 |
| 601 | Consumer Diversity Enhances Secondary Production by Complementarity Effects in Experimental Ciliate Assemblages. Estuaries and Coasts, 2008, 31, 152-162. | 1.0 | 11 |
| 602 | Invasive Predator, Bythotrephes, has Varied Effects on Ecosystem Function in Freshwater Lakes. Ecosystems, 2008, 11, 490-503. | 1.6 | 65 |
| 603 | Ecosystem Structure and Function Still Altered Two Decades After Short-Term Fertilization of a Seagrass Meadow. Ecosystems, 2008, 11, 688-700. | 1.6 | 44 |
| 604 | Decline in Medicinal and Forage Species with Warming is Mediated by Plant Traits on the Tibetan Plateau. Ecosystems, 2008, 11, 775-789. | 1.6 | 85 |
| 605 | Fungal Taxa Target Different Carbon Sources in Forest Soil. Ecosystems, 2008, 11, 1157-1167. | 1.6 | 174 |
| 606 | Can complementarity in water use help to explain diversityâ€“productivity relationships in experimental grassland plots?. Oecologia, 2008, 156, 351-361. | 0.9 | 62 |
| 607 | Complexity and idiosyncrasy in the responses of algae to disturbance in mono- and multi-species assemblages. Oecologia, 2008, 157, 509-519. | 0.9 | 9 |
| 608 | How wild is the ocean? Assessing the intensity of anthropogenic marine activities in British Columbia, Canada. Aquatic Conservation: Marine and Freshwater Ecosystems, 2008, 18, 55-85. | 0.9 | 75 |
| 609 | Selection of taxa as indicators of river and freshwater wetland quality in the UK. Aquatic Conservation: Marine and Freshwater Ecosystems, 2008, 18, 1052-1061. | 0.9 | 19 |
| 610 | A metabolic view of the diversityâ€“stability relationship. Journal of Theoretical Biology, 2008, 252, 39-42. | 0.8 | 5 |
| 611 | A biome-scale assessment of the impact of invasive alien plants on ecosystem services in South Africa. Journal of Environmental Management, 2008, 89, 336-349. | 3.8 | 197 |
| 612 | Towards a Full Accounting of the Greenhouse Gas Balance of European Grasslands. Ecological Studies, 2008, , 263-283. | 0.4 | 2 |
| 613 | Reintroduction ofNassella pulchrato California coastal grasslands: Effects of topsoil removal, plant neighbour removal and grazing. Applied Vegetation Science, 2008, 11, 195-204. | 0.9 | 30 |
| 614 | The utility of crop genetic diversity in maintaining ecosystem services. Agriculture, Ecosystems and Environment, 2008, 123, 261-270. | 2.5 | 230 |
| 615 | Functional biodiversity: An agroecosystem approach. Agriculture, Ecosystems and Environment, 2008, 127, 7-21. | 2.5 | 253 |
| 616 | Does Liebig's law of the minimum scale up from species to communities?. Oikos, 2008, 117, 1741-1751. | 1.2 | 169 |
| 617 | Habitat fragmentation and the functional efficiency of temperate dung beetles. Oikos, 2008, 117, 1659-1666. | 1.2 | 58 |

| # | Article | IF | Citations |
|---|---|---|---|
| 618 | Differences in vegetation composition and plant species identity lead to only minor changes in soil-borne microbial communities in a former arable field. FEMS Microbiology Ecology, 2008, 63, 372-382. | 1.3 | 132 |
| 619 | Towards a consensus for calculating dendrogramâ€based functional diversity indices. Oikos, 2008, 117, 794-800. | 1.2 | 143 |
| 620 | Diversityâ€“productivity relationships in two ecologically realistic rarityâ€“extinction scenarios. Oikos, 2008, 117, 996-1005. | 1.2 | 35 |
| 621 | Diversity and productivity peak at intermediate dispersal rate in evolving metacommunities. Nature, 2008, 452, 210-214. | 13.7 | 174 |
| 622 | Coherent ecological dynamics induced by large-scale disturbance. Nature, 2008, 454, 331-334. | 13.7 | 105 |
| 623 | An Integrated Framework for the Instrumental Valuation of Nature. Restoration Ecology, 2008, 16, 1-4. | 1.4 | 12 |
| 624 | More Ecology is Needed to Restore Mediterranean Ecosystems: A Reply to Valladares and Gianoli. Restoration Ecology, 2008, 16, 210-216. | 1.4 | 30 |
| 625 | Embracing Variability in the Application of Plantâ€“Soil Interactions to the Restoration of Communities and Ecosystems. Restoration Ecology, 2008, 16, 713-729. | 1.4 | 132 |
| 626 | Small differences in arrival time influence composition and productivity of plant communities. New Phytologist, 2008, 177, 698-705. | 3.5 | 150 |
| 627 | Climatic seasonality, resource bottlenecks, and abundance of rainforest birds: implications for global climate change. Diversity and Distributions, 2008, 14, 69-77. | 1.9 | 123 |
| 628 | Influence of disturbance and nutrient enrichment on early successional fouling communities in an oligotrophic marine system. Marine Ecology, 2008, 29, 115-124. | 0.4 | 31 |
| 629 | Does biodiversity increase spatial stability in plant community biomass?. Ecology Letters, 2008, 11, 338-347. | 3.0 | 120 |
| 630 | Genetic diversity of Daphnia magna populations enhances resistance to parasites. Ecology Letters, 2008, 11, 918-928. | 3.0 | 130 |
| 631 | Toward a better understanding of the regional causes of local community richness. Ecology Letters, 2008, 11, 969-979. | 3.0 | 211 |
| 632 | Diversity of deepâ€water cetaceans in relation to temperature: implications for ocean warming. Ecology Letters, 2008, 11, 1198-1207. | 3.0 | 68 |
| 633 | Cultureâ€independent analysis of the gut microbiota in colorectal cancer and polyposis. Environmental Microbiology, 2008, 10, 789-798. | 1.8 | 216 |
| 634 | Will increased storm disturbance affect the biodiversity of intertidal, nonscleractinian sessile fauna on coral reefs?. Global Change Biology, 2008, 14, 2755-2770. | 4.2 | 20 |
| 635 | Plant diversity positively affects shortâ€term soil carbon storage in experimental grasslands. Global Change Biology, 2008, 14, 2937-2949. | 4.2 | 260 |

| # | Article | IF | Citations |
|---|---|---|---|
| 636 | Plant functional composition influences rates of soil carbon and nitrogen accumulation. Journal of Ecology, 2008, 96, 314-322. | 1.9 | 588 |
| 637 | Consequences of nonâ€rrandom species loss for decomposition dynamics: experimental evidence for additive and nonâ€eadditive effects. Journal of Ecology, 2008, 96, 303-313. | 1.9 | 127 |
| 638 | Tree species identity alters forest litter decomposition through longâ€term plant and soil interactions in Patagonia, Argentina. Journal of Ecology, 2008, 96, 727-736. | 1.9 | 275 |
| 639 | Partitioning the effects of biodiversity and environmental heterogeneity for productivity and mortality in a tropical tree plantation. Journal of Ecology, 2008, 96, 903-913. | 1.9 | 99 |
| 640 | National-scale metacommunity dynamics of carabid beetles in UK farmland. Journal of Animal Ecology, 2008, 77, 265-274. | 1.3 | 19 |
| 641 | Floral diversity, parasitoids and hyperparasitoids â€“ A laboratory approach. Basic and Applied Ecology, 2008, 9, 588-597. | 1.2 | 44 |
| 642 | Exponential Decline of Deep-Sea Ecosystem Functioning Linked to Benthic Biodiversity Loss. Current Biology, 2008, 18, 1-8. | 1.8 | 641 |
| 643 | Biodiversity and Ecosystem Functioning: The Mystery of the Deep Sea. Current Biology, 2008, 18, R126-R128. | 1.8 | 45 |
| 644 | Deep-Sea Ecology: Infectious Impact on Ecosystem Function. Current Biology, 2008, 18, R1104-R1106. | 1.8 | 3 |
| 645 | Natural vs. financial insurance in the management of public-good ecosystems. Ecological Economics, 2008, 65, 397-406. | 2.9 | 91 |
| 646 | Modeling trophic interactions in Lake Kivu: What roles do exotics play?. Ecological Modelling, 2008, 212, 422-438. | 1.2 | 47 |
| 647 | Allocation of effort and imbalances in biodiversity research. Journal of Experimental Marine Biology and Ecology, 2008, 360, 15-20. | 0.7 | 36 |
| 648 | Habitat variation, species diversity and ecological functioning in a marine system. Journal of Experimental Marine Biology and Ecology, 2008, 366, 116-122. | 0.7 | 159 |
| 649 | Predicting the impact of ocean acidification on benthic biodiversity: What can animal physiology tell us?. Journal of Experimental Marine Biology and Ecology, 2008, 366, 187-197. | 0.7 | 336 |
| 650 | Effects of bottom trawling on ecosystem functioning. Journal of Experimental Marine Biology and Ecology, 2008, 366, 123-133. | 0.7 | 111 |
| 651 | AN EMPIRICAL EVALUATION OF THE INSURANCE HYPOTHESIS IN DIVERSITYâ€“STABILITY MODELS. Ecology, 2008, 89, 522-531. | 1.5 | 67 |
| 652 | Biodiversity, functional roles and ecosystem services of groundwater invertebrates. Invertebrate Systematics, 2008, 22, 103. | 0.5 | 179 |
| 653 | Testing the intermediate disturbance hypothesis in speciesâ€poor systems: A simulation experiment for mangrove forests. Journal of Vegetation Science, 2008, 19, 417-424. | 1.1 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 654 | Functional diversity responses to changing species richness in reef fish communities. Marine Ecology - Progress Series, 2008, 364, 147-156. | 0.9 | 133 |
| 655 | PRIMARY PRODUCTION AND RAIN USE EFFICIENCY ACROSS A PRECIPITATION GRADIENT ON THE MONGOLIA PLATEAU. Ecology, 2008, 89, 2140-2153. | 1.5 | 593 |
| 656 | Insects and Ecosystem Function. Ecological Studies, 2008, , . | 0.4 | 49 |
| 657 | INCREASING ENEMY BIODIVERSITY STRENGTHENS HERBIVORE SUPPRESSION ON TWO PLANT SPECIES. Ecology, 2008, 89, 1605-1615. | 1.5 | 97 |
| 658 | PREDATOR DIVERSITY AND ECOSYSTEM FUNCTIONING: DENSITY MODIFIES THE EFFECT OF RESOURCE PARTITIONING. Ecology, 2008, 89, 298-305. | 1.5 | 124 |
| 659 | Nontrophic Interactions, Biodiversity, and Ecosystem Functioning: An Interaction Web Model. American Naturalist, 2008, 171, 91-106. | 1.0 | 98 |
| 660 | Higher effect of plant species diversity on productivity in natural than artificial ecosystems. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6087-6090. | 3.3 | 123 |
| 661 | The Ecology of Browsing and Grazing. Ecological Studies, 2008, , . | 0.4 | 62 |
| 662 | Ecosystem Organization of a Complex Landscape. Ecological Studies, 2008, , . | 0.4 | 20 |
| 663 | Species Synchrony and Its Drivers: Neutral and Nonneutral Community Dynamics in Fluctuating Environments. American Naturalist, 2008, 172, E48-E66. | 1.0 | 488 |
| 664 | A plant diversityÃ—water chemistry experiment in subalpine grassland. Perspectives in Plant Ecology, Evolution and Systematics, 2008, 10, 51-61. | 1.1 | 14 |
| 665 | TREE SPECIES CONTROL RATES OF FREE-LIVING NITROGEN FIXATION IN A TROPICAL RAIN FOREST. Ecology, 2008, 89, 2924-2934. | 1.5 | 107 |
| 666 | Capturing lessons from land-users to aid the development of ecological restoration guidelines for lowland Namaqualand. Biological Conservation, 2008, 141, 885-895. | 1.9 | 17 |
| 667 | Do we protect biological originality in protected areas? A new index and an application to the Bonifacio Strait Natural Reserve. Biological Conservation, 2008, 141, 1569-1580. | 1.9 | 78 |
| 668 | The development of a Canadian dynamic habitat index using multi-temporal satellite estimates of canopy light absorbance. Ecological Indicators, 2008, 8, 754-766. | 2.6 | 86 |
| 669 | Apterygota in the spotlights of ecology, evolution and genomics. European Journal of Soil Biology, 2008, 44, 452-457. | 1.4 | 12 |
| 670 | Stand characteristics of three forest types within the dry interior forests of British Columbia, Canada: Implications for biodiversity. Forest Ecology and Management, 2008, 256, 114-120. | 1.4 | 6 |
| 671 | Linking forest dynamics to richness and assemblage of soil zoological groups and to soil mineralization processes. Forest Ecology and Management, 2008, 256, 1612-1623. | 1.4 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 672 | THE INSURANCE VALUE OF BIODIVERSITY IN THE PROVISION OF ECOSYSTEM SERVICES. Natural Resource Modelling, 2007, 20, 87-127. | 0.8 | 143 |
| 673 | Functional rarefaction: estimating functional diversity from field data. Oikos, 2008, 117, 286-296. | 1.2 | 59 |
| 674 | Woody Species as Landscape Modulators and Their Effect on Biodiversity Patterns. BioScience, 2008, 58, 209-221. | 2.2 | 107 |
| 675 | Diversity predicts stability and resource use efficiency in natural phytoplankton communities. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5134-5138. | 3.3 | 430 |
| 676 | Links between plant litter chemistry, species diversity, and below-ground ecosystem function. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19780-19785. | 3.3 | 273 |
| 677 | Black bear adaptation to low productivity in the boreal forest. Ecoscience, 2008, 15, 485-497. | 0.6 | 74 |
| 678 | Plant Paleoecology in Deep Time<sup>1</sup>. Annals of the Missouri Botanical Garden, 2008, 95, 144-198. | 1.3 | 68 |
| 679 | Designing Metropolitan Landscapes for Biodiversity: Deriving Guidelines from Metapopulation Ecology. Landscape Journal, 2008, 27, 69-80. | 0.2 | 18 |
| 681 | Average functional distinctness as a measure of the composition of assemblages. ICES Journal of Marine Science, 2008, 65, 1462-1468. | 1.2 | 92 |
| 682 | Effects of Predator Hunting Mode on Grassland Ecosystem Function. Science, 2008, 319, 952-954. | 6.0 | 456 |
| 683 | Extinction as the loss of evolutionary history. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11520-11527. | 3.3 | 61 |
| 684 | The role of native riparian tree species in decomposition of invasive tree of heaven (Ailanthus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 | 0.6 | 52 |
| 685 | Hierarchical reliability in experimental plant assemblages. Journal of Plant Ecology, 2008, 1, 59-65. | 1.2 | 39 |
| 686 | COMPOSITIONAL AND FUNCTIONAL STABILITY OF ARTHROPOD COMMUNITIES IN THE FACE OF ANT INVASIONS. , 2008, 18, 1547-1562. | | 57 |
| 687 | IMPACT OF HOST COMMUNITY COMPOSITION ON LYME DISEASE RISK. Ecology, 2008, 89, 2841-2849. | 1.5 | 189 |
| 688 | C<scp>ommentary</scp>: The productivity of variability: an agroecological hypothesis. International Journal of Agricultural Sustainability, 2008, 6, 233-235. | 1.3 | 20 |
| 689 | Resource Heterogeneity Moderates the Biodiversity-Function Relationship in Real World Ecosystems. PLoS Biology, 2008, 6, e122. | 2.6 | 210 |
| 690 | Diversity increases biomass production for trematode parasites in snails. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 2707-2714. | 1.2 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 691 | Biodiversity effects and transgressive overyielding. Journal of Plant Ecology, 2008, 1, 95-102. | 1.2 | 160 |
| 692 | Complex Positive Connections between Functional Groups Are Revealed by Neural Network Analysis of Ecological Time Series. American Naturalist, 2008, 171, 669-677. | 1.0 | 34 |
| 693 | Concurrent Assessment of Eelgrass Beds (Zostera marina) and Salt Marsh Communities along the Estuarine Gradient of the South Slough, Oregon. Journal of Coastal Research, 2008, 10055, 121-134. | 0.1 | 8 |
| 694 | Impact of insecticides on the structure and productivity of insect pest and natural enemy communities associated with intercropping in cotton agroecosystems. International Journal of Pest Management, 2008, 54, 103-114. | 0.9 | 5 |
| 695 | The effect of growth rate on diversity in a community assembly model. Canadian Conference on Electrical and Computer Engineering, 2008, , . | 0.0 | 1 |
| 696 | Challenges of species distribution modeling belowground. Journal of Plant Nutrition and Soil Science, 2008, 171, 325-337. | 1.1 | 43 |
| 697 | Ecologically-based approaches to evaluate the sustainability of industrial systems. International Journal of Sustainable Society, 2008, 1, 117. | 0.0 | 22 |
| 698 | The Ecohydrology of Invertebrates Associated with Exposed Riverine Sediments. , 0, , 37-56. | | 6 |
| 699 | Trophic structure and interactions in Lake AyamÃ© (CÃ´te dâ€™Ivoire). Knowledge and Management of Aquatic Ecosystems, 2008, , 02. | 0.5 | 4 |
| 700 | Habitat-specific stability and persistence of benthic invertebrate communities in boreal lakes. Fundamental and Applied Limnology, 2008, 171, 311-322. | 0.4 | 12 |
| 701 | INCREASING LITTER SPECIES RICHNESS REDUCES VARIABILITY IN A TERRESTRIAL DECOMPOSER SYSTEM. Ecology, 2008, 89, 2657-2664. | 1.5 | 37 |
| 702 | A multiscale methodological approach for monitoring the effectiveness of grassland management. Community Ecology, 2008, 9, 237-246. | 0.5 | 18 |
| 703 | Will interannual variability in sand grassland communities increase with climate change?. Community Ecology, 2008, 9, 13-21. | 0.5 | 24 |
| 704 | Crop Species Diversity Affects Productivity and Weed Suppression in Perennial Polycultures under Two Management Strategies. Crop Science, 2008, 48, 331-342. | 0.8 | 133 |
| 705 | Le risque sanitaire dans les forÃªts mÃ©langÃ©es. Revue Forestiere Francaise, 2008, , . | 0.0 | 1 |
| 706 | Temporal Shifts in Microbial Communities in Nonpregnant African-American Women with and without Bacterial Vaginosis. Interdisciplinary Perspectives on Infectious Diseases, 2008, 2008, 1-9. | 0.6 | 17 |
| 707 | The Human Microbiome and Infectious Diseases: Beyond Koch. Interdisciplinary Perspectives on Infectious Diseases, 2008, 2008, 1-2. | 0.6 | 11 |
| 708 | Effects of processes at the population and community level on carbon dynamics of an ecosystem model. Nature Precedings, 2008, , . | 0.1 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 710 | Diversity of Invertebrates in Wet Tropics Streams: Patterns and Processes. , 2009, , 161-177. | | 5 |
| 711 | III.14 Biodiversity and Ecosystem Functioning. , 2009, , 367-375. | | 3 |
| 713 | Species Richness and Biomass Relationship in Burned Sites of Imperata-Saccharum Grassland in Suklaphanta Wildlife Reserve, Nepal. Ecoprint an International Journal of Ecology, 2009, 15, 23-27. | 0.1 | 1 |
| 714 | Mapping of Forest Biodiversity Values: A Plural Perspective. SSRN Electronic Journal, 0, , . | 0.4 | 102 |
| 715 | Conservation of soil organic carbon, biodiversity and the provision of other ecosystem services along climatic gradients in West Africa. Biogeosciences, 2009, 6, 1825-1838. | 1.3 | 35 |
| 716 | Enrichment Planting in Secondary Forests: a Promising Clean Development Mechanism to Increase Terrestrial Carbon Sinks. Ecology and Society, 2009, 14, . | 1.0 | 41 |
| 717 | Diversity of mucosa-associated microbiota in active and inactive ulcerative colitis. Scandinavian Journal of Gastroenterology, 2009, 44, 180-186. | 0.6 | 119 |
| 718 | IS DIATOM DIVERSITY DRIVEN BY PRODUCTIVITY IN BOREAL STREAMS?. Diatom Research, 2009, 24, 197-207. | 0.5 | 16 |
| 719 | Responses of an old-field plant community to interacting factors of elevated [CO2], warming, and soil moisture. Journal of Plant Ecology, 2009, 2, 1-11. | 1.2 | 53 |
| 721 | Functionalâ€diversity indices can be driven by methodological choices and species richness. Ecology, 2009, 90, 341-347. | 1.5 | 102 |
| 722 | Evolutionary game dynamics in finite populations with migration. , 2009, , . | | 0 |
| 723 | Species interaction mechanisms maintain grassland plant species diversity. Ecology, 2009, 90, 1821-1830. | 1.5 | 43 |
| 724 | Not all ski slopes are created equal: Disturbance intensity affects ecosystem properties. Ecological Applications, 2009, 19, 2242-2253. | 1.8 | 38 |
| 725 | Different Effects of Species Diversity on Temporal Stability in Singleâ€Trophic and Multitrophic Communities. American Naturalist, 2009, 174, 651-659. | 1.0 | 143 |
| 726 | Community diversity reduces Schistosoma mansoni transmission, host pathology and human infection risk. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 1657-1663. | 1.2 | 81 |
| 727 | Functional links and robustness in food webs. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 1701-1709. | 1.8 | 85 |
| 728 | The endocrine control of reproduction in Nereidae: a new multi-hormonal model with implications for their functional role in a changing environment. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 3363-3376. | 1.8 | 22 |
| 729 | Functional group biodiversity in Eastern Boundary Upwelling Ecosystems questions the wasp-waist trophic structure. Progress in Oceanography, 2009, 83, 97-106. | 1.5 | 41 |

| # | Article | IF | Citations |
|---|---|---|---|
| 730 | Linkages between below and aboveground communities: Decomposer responses to simulated tree species loss are largely additive. Soil Biology and Biochemistry, 2009, 41, 1155-1163. | 4.2 | 35 |
| 731 | Plant community impacts on the structure of earthworm communities depend on season and change with time. Soil Biology and Biochemistry, 2009, 41, 2430-2443. | 4.2 | 61 |
| 732 | Bioanode performance in bioelectrochemical systems: recent improvements and prospects. Trends in Biotechnology, 2009, 27, 168-178. | 4.9 | 226 |
| 733 | Effects of plant species richness and composition on epifaunal colonization in brackish water angiosperm communities. Journal of Experimental Marine Biology and Ecology, 2009, 382, 8-17. | 0.7 | 23 |
| 734 | NEATS: A Network Economics Approach to Trophic Systems. Ecological Modelling, 2009, 220, 3033-3045. | 1.2 | 13 |
| 735 | How might we model an ecosystem?. Ecological Modelling, 2009, 220, 1935-1949. | 1.2 | 32 |
| 736 | Adding floral nectar resources to improve biological control: Potential pitfalls of the fourth trophic level. Basic and Applied Ecology, 2009, 10, 554-562. | 1.2 | 42 |
| 737 | Effects of land-use change on productivity depend on small-scale plant species diversity. Basic and Applied Ecology, 2009, 10, 687-696. | 1.2 | 24 |
| 738 | Taxonomy and Management of Insect Biodiversity. , 0, , 561-574. | | 3 |
| 739 | Leafâ€Litter Mixtures Affect Breakdown and Macroinvertebrate Colonization Rates in a Stream Ecosystem. International Review of Hydrobiology, 2009, 94, 436-451. | 0.5 | 14 |
| 740 | Control of sediment dynamics by vegetation as a key function driving biogeomorphic succession within fluvial corridors. Earth Surface Processes and Landforms, 2009, 34, 1790-1810. | 1.2 | 221 |
| 741 | Patterns of species and functional diversity around a coastal marine reserve: a fisheries perspective. Aquatic Conservation: Marine and Freshwater Ecosystems, 2009, 19, 554-565. | 0.9 | 21 |
| 742 | The need for the incorporation of phylogeny in the measurement of biological diversity, with special reference to ecosystem functioning research. BioEssays, 2009, 31, 107-116. | 1.2 | 12 |
| 743 | Nitrogen and Phosphorus Release from Mixed Litter Layers is Lower than Predicted from Single Species Decay. Ecosystems, 2009, 12, 87-100. | 1.6 | 42 |
| 744 | Ecosystem-level consequences of invasions by native species as a way to investigate relationships between evenness and ecosystem function. Biological Invasions, 2009, 11, 609-617. | 1.2 | 35 |
| 745 | The relationship between productivity and multiple aspects of biodiversity in six grassland communities. Biodiversity and Conservation, 2009, 18, 91-104. | 1.2 | 37 |
| 746 | Hierarchical spatial point process analysis for a plant community with high biodiversity. Environmental and Ecological Statistics, 2009, 16, 389-405. | 1.9 | 43 |
| 747 | Short-term responses of the understory to the removal of plant functional groups in the cold-temperate deciduous forest. Plant Ecology, 2009, 201, 235-245. | 0.7 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 748 | Biodiversity and tallgrass prairie decomposition: the relative importance of species identity, evenness, richness, and micro-topography. Plant Ecology, 2009, 201, 639-649. | 0.7 | 23 |
| 749 | A new graphical model for untangling complex relationships among environment, biodiversity, and ecosystem functioning. Ecological Research, 2009, 24, 937-941. | 0.7 | 7 |
| 750 | Linking soil bacterial diversity to ecosystem multifunctionality using backward-elimination boosted trees analysis. Journal of Soils and Sediments, 2009, 9, 547-554. | 1.5 | 54 |
| 751 | Relationship between species diversity and biomass of eucalyptus plantation in Guangxi, south China. Frontiers of Forestry in China: Selected Publications From Chinese Universities, 2009, 4, 146-152. | 0.2 | 3 |
| 752 | Interactions among bacterial-feeding nematode species at different levels of food availability. Marine Biology, 2009, 156, 629-640. | 0.7 | 29 |
| 753 | Effect of Availability of Nitrogen Compounds on Community Structure of Aquatic Bacteria in Model Systems. Microbial Ecology, 2009, 57, 104-116. | 1.4 | 5 |
| 754 | Denitrifying Bacterial Community Composition Changes Associated with Stages of Denitrification in Oxygen Minimum Zones. Microbial Ecology, 2009, 58, 350-362. | 1.4 | 89 |
| 755 | Diversity in Current Ecological Thinking: Implications for Environmental Management. Environmental Management, 2009, 43, 17-27. | 1.2 | 74 |
| 756 | Trophic relationships and ecosystem characteristics in a newlyâ€impounded manâ€made lake in Thailand. Fisheries Management and Ecology, 2009, 16, 77-87. | 1.0 | 12 |
| 757 | Resourceâ€“consumer diversity: testing the effects of leaf litter species diversity on stream macroinvertebrate communities. Freshwater Biology, 2009, 54, 1461-1473. | 1.2 | 40 |
| 758 | Functional stability of streamâ€dwelling microbial decomposers exposed to copper and zinc stress. Freshwater Biology, 2009, 54, 1683-1691. | 1.2 | 37 |
| 759 | Shredderâ€“tadpole facilitation of leaf litter decomposition in a tropical stream. Freshwater Biology, 2009, 54, 2573-2580. | 1.2 | 25 |
| 760 | Freshwater ecosystem structureâ€“function relationships: from theory to application. Freshwater Biology, 2009, 54, 2017-2024. | 1.2 | 70 |
| 761 | Quantifying the relative importance of niches and neutrality for coexistence in a model microbial system. Functional Ecology, 2009, 23, 1139-1147. | 1.7 | 32 |
| 762 | Elevated air temperature alters an oldâ€field insect community in a multifactor climate change experiment. Global Change Biology, 2009, 15, 930-942. | 4.2 | 47 |
| 763 | Indication of antagonistic interaction between climate change and erosion on plant species richness and soil properties in semiarid Mediterranean ecosystems. Global Change Biology, 2009, 15, 306-318. | 4.2 | 46 |
| 764 | Using functional traits to predict grassland ecosystem change: a mathematical test of the responseâ€andâ€effect trait approach. Global Change Biology, 2009, 15, 2921-2934. | 4.2 | 72 |
| 765 | Reciprocal phenotypic plasticity can lead to stable predatorâ€“prey interaction. Journal of Animal Ecology, 2009, 78, 1172-1181. | 1.3 | 38 |

| # | Article | IF | Citations |
|---|---|---|---|
| 766 | Impact of China's Grain for Green Project on the landscape of vulnerable arid and semiâ€arid agricultural regions: a case study in northern Shaanxi Province. Journal of Applied Ecology, 2009, 46, 536-543. | 1.9 | 387 |
| 767 | Strong mixture effects among four species in fertilized agricultural grassland led to persistent and consistent transgressive overyielding. Journal of Applied Ecology, 2009, 46, 683-691. | 1.9 | 226 |
| 768 | Populations of heavy fuel oil-degrading marine microbial community in presence of oil sorbent materials. Journal of Applied Microbiology, 2009, 107, 590-605. | 1.4 | 44 |
| 769 | Species diversity and productivity: why do results of diversityâ€manipulation experiments differ from natural patterns?. Journal of Ecology, 2009, 97, 603-608. | 1.9 | 89 |
| 770 | Biodiversity in microbial communities: system scale patterns and mechanisms. Molecular Ecology, 2009, 18, 1455-1462. | 2.0 | 41 |
| 771 | Initial community evenness favours functionality under selective stress. Nature, 2009, 458, 623-626. | 13.7 | 845 |
| 772 | Evolutionary diversification in stickleback affects ecosystem functioning. Nature, 2009, 458, 1167-1170. | 13.7 | 309 |
| 773 | Biodiversity: Rack and field. Nature, 2009, 460, 944-946. | 13.7 | 5 |
| 774 | Spatiotemporal modulation of biodiversity in a synthetic chemical-mediated ecosystem. Nature Chemical Biology, 2009, 5, 929-935. | 3.9 | 89 |
| 775 | Hierarchical determinants of the functional richness, evenness and divergence of a vertebrate predator assemblage. Oikos, 2009, 118, 591-603. | 1.2 | 15 |
| 776 | Functional diversity predicts overyielding effect of species combination on primary productivity. Oikos, 2009, 118, 37-44. | 1.2 | 96 |
| 777 | Species identity, diversity and microbial carbon flow in reassembling macrobenthic communities. Oikos, 2009, 118, 503-512. | 1.2 | 19 |
| 778 | Longâ€term persistence of a positive plant diversityâ€“productivity relationship in the absence of legumes. Oikos, 2009, 118, 101-106. | 1.2 | 82 |
| 779 | Dominant species can produce a negative relationship between species diversity and ecosystem function. Oikos, 2009, 118, 723-732. | 1.2 | 72 |
| 780 | Contextâ€dependent effects of predator removal from experimental microcosm communities. Oikos, 2009, 118, 1319-1326. | 1.2 | 28 |
| 781 | Spatial heterogeneity increases the importance of species richness for an ecosystem process. Oikos, 2009, 118, 1335-1342. | 1.2 | 93 |
| 782 | Determining the important environmental variables controlling plant species community composition in mesotrophic grasslands in Great Britain. Applied Vegetation Science, 2009, 12, 459-471. | 0.9 | 20 |
| 783 | Beyond Reserves: A Research Agenda for Conserving Biodiversity in Humanâ€modified Tropical Landscapes. Biotropica, 2009, 41, 142-153. | 0.8 | 417 |

| # | Article | IF | Citations |
|---|---|---|---|
| 784 | An approach for postâ€market monitoring of potential environmental effects of Btâ€maize expressing Cry1Ab on natural enemies. Journal of Applied Entomology, 2009, 133, 236-248. | 0.8 | 35 |
| 785 | Do differences in food web structure between organic and conventional farms affect the ecosystem service of pest control?. Ecology Letters, 2009, 12, 229-238. | 3.0 | 184 |
| 786 | Separating the influence of resource â€˜availabilityâ€™ from resource â€˜imbalanceâ€™ on productivityâ€“diversity relationships. Ecology Letters, 2009, 12, 475-487. | 3.0 | 198 |
| 787 | Plant species loss decreases arthropod diversity and shifts trophic structure. Ecology Letters, 2009, 12, 1029-1039. | 3.0 | 417 |
| 788 | Biodiversity in a complex world: consolidation and progress in functional biodiversity research. Ecology Letters, 2009, 12, 1405-1419. | 3.0 | 477 |
| 789 | Functional and structural response of the methanogenic microbial community in rice field soil to temperature change. Environmental Microbiology, 2009, 11, 1844-1853. | 1.8 | 84 |
| 790 | Animals in the Restoration Processâ€”Progressing the Trends. Restoration Ecology, 2009, 17, 315-319. | 1.4 | 61 |
| 791 | Satellite sleuthing: does remotely sensed landâ€cover change signal ecological degradation in a protected area?. Diversity and Distributions, 2009, 15, 299-309. | 1.9 | 8 |
| 792 | From externality to inputs and interference: framing environmental research in geography. Transactions of the Institute of British Geographers, 2009, 34, 3-11. | 1.8 | 40 |
| 793 | Complementary cooperation between two syntrophic bacteria in pesticide degradation. Journal of Theoretical Biology, 2009, 256, 644-654. | 0.8 | 45 |
| 794 | Variation in nutrient removal in three wetland blocks in relation to vegetation composition, inflow nutrient concentration and hydraulic loading. Ecological Engineering, 2009, 35, 1387-1394. | 1.6 | 16 |
| 795 | Mixing plant species in cropping systems: concepts, tools and models. A review. Agronomy for Sustainable Development, 2009, 29, 43-62. | 2.2 | 559 |
| 796 | Influences de la sylviculture sur le risque de dÃ©gÃ¢ts biotiques et abiotiques dans les peuplements forestiers. Annals of Forest Science, 2009, 66, 701-701. | 0.8 | 212 |
| 797 | Taxonomic composition and diversity of microphytobenthos in southern California marine wetland habitats. Wetlands, 2009, 29, 163-175. | 0.7 | 11 |
| 798 | The impact of hydrology and nutrients on species composition and richness: Evidence from a microcosm experiment. Wetlands, 2009, 29, 187-195. | 0.7 | 28 |
| 799 | Plant coverage is more important than species richness in enhancing aboveground biomass in a premature grassland, northern China. Agriculture, Ecosystems and Environment, 2009, 129, 491-496. | 2.5 | 28 |
| 800 | Landscape context and habitat type as drivers of bee diversity in European annual crops. Agriculture, Ecosystems and Environment, 2009, 133, 40-47. | 2.5 | 134 |
| 801 | Peeking at ecosystem stability: making use of a natural disturbance experiment to analyze resistance and resilience. Ecology, 2009, 90, 1314-1325. | 1.5 | 30 |

| # | Article | IF | Citations |
|---|---|---|---|
| 802 | Does productivity drive diversity or vice versa? A test of the multivariate productivityâ€“diversity hypothesis in streams. Ecology, 2009, 90, 1227-1241. | 1.5 | 111 |
| 803 | Demonstration of a satellite-based index to monitor habitat at continental-scales. Ecological Indicators, 2009, 9, 948-958. | 2.6 | 29 |
| 804 | Soil seed bank compositional change constrains biodiversity in an invaded species-rich woodland. Biological Conservation, 2009, 142, 256-269. | 1.9 | 59 |
| 805 | Altered vegetation structure and composition linked to fire frequency and plant invasion in a biodiverse woodland. Biological Conservation, 2009, 142, 2270-2281. | 1.9 | 80 |
| 806 | Effects of even-aged and uneven-aged timber management on dung beetle community attributes in a Missouri Ozark forest. Forest Ecology and Management, 2009, 257, 536-545. | 1.4 | 8 |
| 807 | Vegetation succession as affected by decreasing nitrogen deposition, soil characteristics and site management: A modelling approach. Forest Ecology and Management, 2009, 258, 1762-1773. | 1.4 | 17 |
| 808 | Effects of experimental forest harvesting on oribatid mite biodiversity. Forest Ecology and Management, 2009, 258, 1331-1341. | 1.4 | 16 |
| 809 | Biodiversity in forest ecosystems and landscapes: A conference to discuss future directions in biodiversity management for sustainable forestry. Forest Ecology and Management, 2009, 258, S1-S4. | 1.4 | 26 |
| 810 | Emerging horizons in biodiversity and ecosystem functioning research. Trends in Ecology and Evolution, 2009, 24, 505-514. | 4.2 | 486 |
| 811 | Ecological theory and continental margins: where shallow meets deep. Trends in Ecology and Evolution, 2009, 24, 606-617. | 4.2 | 175 |
| 812 | Functional composition, but not richness, affected the performance of sessile suspension-feeding assemblages. Journal of Sea Research, 2009, 61, 216-221. | 0.6 | 10 |
| 813 | Enhanced removal of 1,2-dichloroethane by anodophilic microbial consortia. Water Research, 2009, 43, 2936-2946. | 5.3 | 110 |
| 814 | No interactive effects of pesticides and plant diversity on soil microbial biomass and respiration. Applied Soil Ecology, 2009, 42, 31-36. | 2.1 | 50 |
| 815 | Alpha and beta diversity of plants and animals along a tropical landâ€use gradient. Ecological Applications, 2009, 19, 2142-2156. | 1.8 | 115 |
| 816 | Transcriptome transfer produces a predictable cellular phenotype. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7624-7629. | 3.3 | 86 |
| 817 | Quantifying the Contribution of Organisms to the Provision of Ecosystem Services. BioScience, 2009, 59, 223-235. | 2.2 | 312 |
| 818 | Effects of predator functional diversity on grassland ecosystem function. Ecology, 2009, 90, 2339-2345. | 1.5 | 120 |
| 819 | Gradients in regional diversity of freshwater taxa. Journal of the North American Benthological Society, 2009, 28, 504-514. | 3.0 | 62 |

| # | Article | IF | Citations |
|---|---|---|---|
| 820 | Managing for ocean biodiversity to sustain marine ecosystem services. Frontiers in Ecology and the Environment, 2009, 7, 204-211. | 1.9 | 254 |
| 821 | Ecosystem services and conservation strategy: beware the silver bullet. Conservation Letters, 2009, 2, 158-162. | 2.8 | 81 |
| 822 | Biodiversity: Function and Assessment in Agricultural Areas: A Review. , 2009, , 309-327. | | 18 |
| 824 | Twoâ€phase functional redundancy in plant communities along a grazing gradient in Mongolian rangelands. Ecology, 2009, 90, 2598-2608. | 1.5 | 87 |
| 825 | Effects of Natural Enemy Biodiversity on the Suppression of Arthropod Herbivores in Terrestrial Ecosystems. Annual Review of Ecology, Evolution, and Systematics, 2009, 40, 573-592. | 3.8 | 453 |
| 826 | Mixing Plant Species in Cropping Systems: Concepts, Tools and Models: A Review. , 2009, , 329-353. | | 66 |
| 827 | Forest Dynamics, Growth and Yield. , 2009, , . | | 430 |
| 828 | PopulusRhizosphere and the Ectomycorrhizal Interactome. Critical Reviews in Plant Sciences, 2009, 28, 359-367. | 2.7 | 26 |
| 829 | Pond Quality Determinants of Occurrence Patterns of Great Crested Newts (Triturus cristatus). Journal of Herpetology, 2009, 43, 300-310. | 0.2 | 17 |
| 830 | Enhancing the Ecological Significance of Sediment Contamination Guidelines through Integration with Community Analysis. Environmental Science & Technology, 2009, 43, 2118-2123. | 4.6 | 35 |
| 831 | Ground vegetation as an indicator of ecological integrity. Environmental Reviews, 2009, 17, 249-265. | 2.1 | 23 |
| 832 | Shifts between biotic and physical driving forces of species organization under natural disturbance regimes. Canadian Journal of Fisheries and Aquatic Sciences, 2009, 66, 1282-1293. | 0.7 | 26 |
| 833 | Ecological mechanisms associated with the positive diversityâ€“productivity relationship in an Nâ€limited grassland. Ecology, 2009, 90, 408-418. | 1.5 | 145 |
| 834 | Functional leaf traits and biodiversity effects on litter decomposition in a stream. Ecology, 2009, 90, 1641-1649. | 1.5 | 135 |
| 835 | Why biodiversity is important to the functioning of realâ€world ecosystems. Frontiers in Ecology and the Environment, 2009, 7, 437-444. | 1.9 | 394 |
| 836 | Analysis of functional traits in reconfigured channels: implications for the bioassessment and disturbance of river restoration. Journal of the North American Benthological Society, 2009, 28, 80-92. | 3.0 | 103 |
| 837 | How does spatial heterogeneity influence resilience to climatic changes? Ecological dynamics in southeast Madagascar. Ecological Monographs, 2009, 79, 557-574. | 2.4 | 69 |
| 838 | Microbial biodiversity and ecosystem functioning under controlled conditions and in the wild. , 2009, , 121-133. | | 25 |

| # | Article | IF | Citations |
|---|---|---|---|
| 841 | Effect of zooplankton-mediated trophic cascades on marine microbial food web components (bacteria,) Tj ETQq0 0 0 rgBT /Overlock 10 | 1.6 | 128 |
| 842 | Assessing ecological responses to catastrophic amphibian declines: Patterns of macroinvertebrate production and food web structure in upland Panamanian streams. Limnology and Oceanography, 2009, 54, 331-343. | 1.6 | 52 |
| 843 | Decomposition of eucalypt and alder mixtures: responses to variation in evenness. Fundamental and Applied Limnology, 2009, 173, 293-303. | 0.4 | 23 |
| 844 | A functional guide to functional diversity measures. , 2009, , 49-59. | | 31 |
| 845 | Introduction: the ecological and social implications of changing biodiversity. An overview of a decade of biodiversity and ecosystem functioning research. , 2009, , 3-13. | | 11 |
| 846 | Paradox of planktonic rotifers: similar structure but unique trajectories in communities of the Great Masurian Lakes (Poland). Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2009, 30, 951-956. | 0.1 | 9 |
| 847 | Establishing GLORIA Long-Term Alpine Monitoring in Southwestern British Columbia, Canada. Northwest Science, 2009, 83, 101-116. | 0.1 | 6 |
| 848 | Abiotic versus biotic hierarchies in the assembly of parasite populations. Parasitology, 2010, 137, 743-754. | 0.7 | 31 |
| 849 | Reduction of Damage and Hindrance to Wastewater Transmission Systems Caused by Air Pockets by Deployment of Air Valves. , 2010, , . | | 3 |
| 850 | Relationships between diversity and compositional stability in experimental grassland communities exposed to drought stress. Community Ecology, 2010, 11, 105-112. | 0.5 | 5 |
| 851 | The links between biodiversity, ecosystem services and human well-being. , 2010, , 110-139. | | 585 |
| 853 | Relationship between the alpha diversity of communities and the appearance rates of new genera in the evolution of phanerozoic marine biota. Paleontological Journal, 2010, 44, 477-488. | 0.2 | 2 |
| 854 | Two-level hierarchical model of optimal biological diversity. Biology Bulletin, 2010, 37, 1-9. | 0.1 | 9 |
| 855 | Integrating functional diversity into tropical forest plantation designs to study ecosystem processes. Annals of Forest Science, 2010, 67, 303-303. | 0.8 | 14 |
| 856 | Non-crop habitats in the landscape enhance spider diversity in wheat fields of a desert agroecosystem. Agriculture, Ecosystems and Environment, 2010, 137, 68-74. | 2.5 | 47 |
| 857 | Biomass, diversity and production of rocky shore macroalgae at two nutrient enrichment and wave action levels. Marine Biology, 2010, 157, 29-47. | 0.7 | 65 |
| 858 | Traditional perennial crop-based agroforestry in West Java: the tradeoff between on-farm biodiversity and income. Agroforestry Systems, 2010, 80, 17-31. | 0.9 | 23 |
| 859 | The importance of biotic factors in predicting global change effects on decomposition of temperate forest leaf litter. Oecologia, 2010, 163, 247-256. | 0.9 | 69 |

| # | Article | IF | Citations |
|---|---|---|---|
| 860 | Species-specific effects of polyploidisation and plant traits of Centaurea maculosa and Senecio inaequidens on rhizosphere microorganisms. Oecologia, 2010, 163, 1011-1020. | 0.9 | 9 |
| 861 | High Functional Diversity is Related to High Nitrogen Availability in a Deciduous Forest â€“ Evidence from a Functional Trait Approach. Folia Geobotanica, 2010, 45, 111-124. | 0.4 | 18 |
| 862 | Comparative Analysis of Stabilityâ€"Genetic Diversity in Seagrass (Posidonia oceanica) Meadows Yields Unexpected Results. Estuaries and Coasts, 2010, 33, 878-889. | 1.0 | 51 |
| 863 | Trends in Ecosystem Service Research: Early Steps and Current Drivers. Ambio, 2010, 39, 314-324. | 2.8 | 200 |
| 864 | The prominence of and biases in biodiversity and ecosystem functioning research. Biodiversity and Conservation, 2010, 19, 651-664. | 1.2 | 56 |
| 865 | A latent threat to biodiversity: consequences of small-scale heterogeneity loss. Biodiversity and Conservation, 2010, 19, 1315-1323. | 1.2 | 73 |
| 866 | The impact of high-altitude ski pistes on ground-dwelling arthropods in the Alps. Biodiversity and Conservation, 2010, 19, 1853-1870. | 1.2 | 40 |
| 867 | A multi-scale analysis of the habitat associations of European otter and American mink and the implications for farm scale conservation schemes. Biodiversity and Conservation, 2010, 19, 3849-3859. | 1.2 | 16 |
| 868 | Biodiversity and ecosystem functioning in a species-poor guild: a test using tropical stream detritivores. Hydrobiologia, 2010, 652, 329-336. | 1.0 | 6 |
| 869 | The dynamics of ecosystem restoration: theoretical considerations on the basis of species richness. Plant Ecology, 2010, 209, 205-217. | 0.7 | 5 |
| 870 | Changes in water relations for Acacia ancistrocarpa on natural and mine-rehabilitation sites in response to an experimental wetting pulse in the Great Sandy Desert. Plant and Soil, 2010, 326, 75-96. | 1.8 | 15 |
| 871 | Amino acid fingerprint of a grassland soil reflects changes in plant species richness. Plant and Soil, 2010, 334, 353-363. | 1.8 | 22 |
| 872 | Mapping Biodiversity Indicators and Assessing Biodiversity Values in Global Forests. Environmental and Resource Economics, 2010, 47, 329-347. | 1.5 | 28 |
| 873 | Disentangling the effects of macroalgae on the abundance of temperate reef fishes. Journal of Experimental Marine Biology and Ecology, 2010, 388, 1-10. | 0.7 | 47 |
| 874 | A neighbour is a neighbour? Consumer diversity, trophic function, and spatial variability in benthic food webs. Journal of Experimental Marine Biology and Ecology, 2010, 391, 101-111. | 0.7 | 20 |
| 875 | Ecosystem service provision: An operational way for marine biodiversity conservation and management. Marine Pollution Bulletin, 2010, 60, 1916-1923. | 2.3 | 25 |
| 876 | Changes in microbial community structure and function following Sphagnum peatland restoration. Soil Biology and Biochemistry, 2010, 42, 291-301. | 4.2 | 91 |
| 877 | Different responses of denitrification rates and denitrifying bacterial communities to hydrologic pulsing in created wetlands. Soil Biology and Biochemistry, 2010, 42, 1721-1727. | 4.2 | 87 |

| # | Article | IF | Citations |
|---|---|---|---|
| 878 | A theoretical model of agrobiodiversity as a supporting service for sustainable agricultural intensification. Ecological Economics, 2010, 69, 1926-1933. | 2.9 | 30 |
| 879 | Patterns and mechanisms responsible for the relationship between the diversity of litter macro-invertebrates and leaf degradation. Basic and Applied Ecology, 2010, 11, 35-44. | 1.2 | 28 |
| 880 | Biological control of arthropod pests using banker plant systems: Past progress and future directions. Biological Control, 2010, 52, 8-16. | 1.4 | 211 |
| 881 | Temporal Dynamics of River Biofilm in Constant Flows: A Case Study in a Riverside Laboratory Flume. International Review of Hydrobiology, 2010, 95, 156-170. | 0.5 | 12 |
| 882 | Influence of Fish Farming on the Spatial Patterns and Biological Traits of River Invertebrates in an Appenine Stream System (Italy). International Review of Hydrobiology, 2010, 95, 410-427. | 0.5 | 14 |
| 883 | Positive interactions and the emergence of community structure in metacommunities. Journal of Theoretical Biology, 2010, 266, 419-429. | 0.8 | 18 |
| 884 | Cascading extinctions, functional complementarity, and selection in two-trophic-level model communities: A trait-based mechanistic approach. Journal of Theoretical Biology, 2010, 267, 375-387. | 0.8 | 4 |
| 885 | Effects of migration on the evolutionary game dynamics in finite populations with community structures. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 67-78. | 1.2 | 7 |
| 886 | Assessment of the restoration of a degraded semi-humid evergreen broadleaf forest ecosystem by combined single-indicator and comprehensive model method. Ecological Engineering, 2010, 36, 757-767. | 1.6 | 16 |
| 887 | Dominant plant species modulate responses to hydroseeding, irrigation and fertilization during the restoration of semiarid motorway slopes. Ecological Engineering, 2010, 36, 1290-1298. | 1.6 | 63 |
| 888 | Biodiversityâ€ecosystem function research: Insights gained from streams. River Research and Applications, 2010, 26, 45-54. | 0.7 | 61 |
| 889 | Response of Terrestrial Invertebrates to Highâ€and Lowâ€Diversity Grassland Restorations in Southâ€Central Nebraska. Restoration Ecology, 2010, 18, 479-488. | 1.4 | 10 |
| 890 | The Influence of Historical Land Use and Water Availability on Grassland Restoration. Restoration Ecology, 2010, 18, 217-225. | 1.4 | 42 |
| 891 | Ecological Assessment of Dune Restorations in the Great Lakes Region. Restoration Ecology, 2010, 18, 184-194. | 1.4 | 23 |
| 892 | Comparing arbuscular mycorrhizal communities of individual plants in a grassland biodiversity experiment. New Phytologist, 2010, 186, 746-754. | 3.5 | 28 |
| 893 | Remote sensing of plant functional types. New Phytologist, 2010, 186, 795-816. | 3.5 | 513 |
| 894 | How do Plant Morphological Characteristics, Species Composition and Richness Regulate Ecoâ€hydrological Function?. Journal of Integrative Plant Biology, 2010, 52, 1086-1099. | 4.1 | 7 |
| 895 | Extinction cascades and the distribution of species interactions. Oikos, 2010, 119, 864-873. | 1.2 | 27 |

| # | Article | IF | Citations |
|---|---|---|---|
| 896 | Experimental mixtures of dung fauna affect dung decomposition through complex effects of species interactions. Oikos, 2010, 119, 1081-1088. | 1.2 | 50 |
| 897 | Redundant or complementary? Impact of a colonizing species on community structure and function. Oikos, 2010, 119, 1719-1726. | 1.2 | 32 |
| 898 | Pollinator diversity and specialization in relation to flower diversity. Oikos, 2010, 119, 1581-1590. | 1.2 | 157 |
| 899 | Connectance determines invasion success via trophic interactions in model food webs. Oikos, 2010, 119, 1970-1976. | 1.2 | 58 |
| 900 | Choosing natural enemies for conservation biological control: use of the prey detectability halfâ€life to rank key predators of Colorado potato beetle. Entomologia Experimentalis Et Applicata, 2010, 136, 97-107. | 0.7 | 83 |
| 901 | Managing increasing environmental risks through agrobiodiversity and agrienvironmental policies. Agricultural Economics (United Kingdom), 2010, 41, 483-496. | 2.0 | 86 |
| 902 | Patterns in taxonomic and functional diversity of lake phytoplankton. Freshwater Biology, 2010, 55, 1349-1366. | 1.2 | 58 |
| 903 | Functional diversity is positively associated with biomass for lake diatoms. Freshwater Biology, 2010, 55, 1636-1646. | 1.2 | 30 |
| 904 | Species diversity and decomposition in laboratory aquatic systems: the role of species interactions. Freshwater Biology, 2010, 55, 2281-2295. | 1.2 | 35 |
| 905 | Potential functional redundancy and resource facilitation between tadpoles and insect grazers in tropical headwater streams. Freshwater Biology, 2010, 55, 2077-2088. | 1.2 | 32 |
| 906 | Diversity enhances community recovery, but not resistance, after drought. Journal of Ecology, 2010, 98, 81-86. | 1.9 | 227 |
| 907 | Ecosystem properties determined by plant functional group identity. Journal of Ecology, 2010, 98, 459-469. | 1.9 | 112 |
| 908 | Soil nutrient heterogeneity modulates ecosystem responses to changes in the identity and richness of plant functional groups. Journal of Ecology, 2011, 99, 551-562. | 1.9 | 58 |
| 909 | Mechanisms driving change: altered species interactions and ecosystem function through global warming. Journal of Animal Ecology, 2010, 79, 937-947. | 1.3 | 176 |
| 910 | Organic agriculture promotes evenness and natural pest control. Nature, 2010, 466, 109-112. | 13.7 | 485 |
| 911 | The ecological coherence of high bacterial taxonomic ranks. Nature Reviews Microbiology, 2010, 8, 523-529. | 13.6 | 562 |
| 912 | Effects of biodiversity and plant community composition on productivity in semiarid grasslands of Hulunbeir, Inner Mongolia, China. Annals of the New York Academy of Sciences, 2010, 1195, E52-64. | 1.8 | 12 |
| 913 | Landâ€use intensification reduces functional redundancy and response diversity in plant communities. Ecology Letters, 2010, 13, 76-86. | 3.0 | 476 |

| # | Article | IF | Citations |
|---|---|---|---|
| 914 | Assembly history dictates ecosystem functioning: evidence from wood decomposer communities. Ecology Letters, 2010, 13, 675-684. | 3.0 | 494 |
| 915 | Linking stoichiometric homoeostasis with ecosystem structure, functioning and stability. Ecology Letters, 2010, 13, 1390-1399. | 3.0 | 271 |
| 920 | Instrumentos legais podem contribuir para a restauraÃ§Ã£o de florestas tropicais biodiversas. Revista Arvore, 2010, 34, 455-470. | 0.5 | 64 |
| 921 | Temporal Variability in Predatorâ€“Prey Relationships of a Forest Floor Food Web. Advances in Ecological Research, 2010, 42, 171-264. | 1.4 | 26 |
| 922 | Assessing the Contribution of Micro-Organisms and Macrofauna to Biodiversityâ€“Ecosystem Functioning Relationships in Freshwater Microcosms. Advances in Ecological Research, 2010, , 151-176. | 1.4 | 29 |
| 923 | Effects of grazing on leaf traits and ecosystem functioning in Inner Mongolia grasslands: scaling from species to community. Biogeosciences, 2010, 7, 1117-1132. | 1.3 | 55 |
| 924 | Seasonal and diel variation in the fish assemblage of a Neotropical delta in southern Brazil. Iheringia - Serie Zoologia, 2010, 100, 169-178. | 0.5 | 7 |
| 925 | Response of Nursery Pigs to a Synbiotic Preparation of Starch and an Anti-Escherichia coliK88 Probiotic. Applied and Environmental Microbiology, 2010, 76, 8192-8200. | 1.4 | 52 |
| 926 | Life history allometries and production of small fauna. Ecology, 2010, 91, 497-507. | 1.5 | 41 |
| 927 | Patch size effects are more important than genetic diversity for plantâ€“herbivore interactions in Brassica crops. Ecological Entomology, 2010, 35, 299-306. | 1.1 | 28 |
| 928 | Vascular plant removal effects on biological N fixation vary across a boreal forest island gradient. Ecology, 2010, 91, 1704-1714. | 1.5 | 43 |
| 929 | Functional diversity of microbial decomposers facilitates plant coexistence in a plantâ€“microbeâ€“soil feedback model. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14251-14256. | 3.3 | 130 |
| 930 | Manipulating Interaction Strengths and the Consequences for Trivariate Patterns in a Marine Food Web. Advances in Ecological Research, 2010, , 301-419. | 1.4 | 42 |
| 931 | Predicting the effect of climate change on aggregation behaviour in four species of terrestrial isopods. Behaviour, 2010, 147, 151-164. | 0.4 | 32 |
| 932 | Weak effects of plant diversity on leaf-litter breakdown in a tropical stream. Marine and Freshwater Research, 2010, 61, 1218. | 0.7 | 2 |
| 933 | The interplay between bacterial community composition and the environment determining function of inland water bacteria. Limnology and Oceanography, 2010, 55, 2052-2060. | 1.6 | 35 |
| 934 | What Can Ecology Contribute to Ecosystem-Based Management?. Annual Review of Marine Science, 2010, 2, 419-441. | 5.1 | 115 |
| 935 | Patterns of Spatial Variation of Assemblages Associated with Intertidal Rocky Shores: A Global Perspective. PLoS ONE, 2010, 5, e14354. | 1.1 | 34 |

| # | Article | IF | Citations |
|---|---|---|---|
| 936 | Species dispersal rates alter diversity and ecosystem stability in pond metacommunities. Ecology, 2010, 91, 2727-2741. | 1.5 | 101 |
| 937 | Linking biodiversity and ecosystems: towards a unifying ecological theory. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 49-60. | 1.8 | 349 |
| 938 | A critique for metaâ€analyses and the productivityâ€“ diversity relationship. Ecology, 2010, 91, 2545-2549. | 1.5 | 45 |
| 939 | Stream invertebrate responses to a catastrophic decline in consumer diversity. Journal of the North American Benthological Society, 2010, 29, 1185-1198. | 3.0 | 17 |
| 941 | Biological Diversity in Agriculture and Global Change. Annual Review of Environment and Resources, 2010, 35, 137-166. | 5.6 | 108 |
| 942 | Relationships between herbaceous diversity and biomass in two habitats in arid Mediterranean rangeland. Journal of Arid Environments, 2010, 74, 277-283. | 1.2 | 10 |
| 943 | Is tree diversity an important driver for phosphorus and nitrogen acquisition of a young tropical plantation?. Forest Ecology and Management, 2010, 260, 1424-1433. | 1.4 | 39 |
| 944 | Methods to quantify the pedodiversity of 1Âkm2 areas â€" results from southern African drylands. Geoderma, 2010, 155, 140-146. | 2.3 | 35 |
| 945 | Effects of vineyard management on biodiversity at three trophic levels. Biological Conservation, 2010, 143, 1521-1528. | 1.9 | 139 |
| 946 | The use of historical collections to estimate population trends: A case study using Swedish longhorn beetles (Coleoptera: Cerambycidae). Biological Conservation, 2010, 143, 1940-1950. | 1.9 | 33 |
| 947 | Human-driven impacts on marine habitats: A regional meta-analysis in the Mediterranean Sea. Biological Conservation, 2010, 143, 2195-2206. | 1.9 | 198 |
| 948 | From compositional to functional biodiversity metrics in bioassessment: A case study using stream macroinvertebrate communities. Ecological Indicators, 2010, 10, 1025-1036. | 2.6 | 65 |
| 949 | Measuring ecological complexity. Ecological Indicators, 2010, 10, 1069-1076. | 2.6 | 129 |
| 950 | Species pool size and realized species richness affect productivity differently: AÂmodeling study. Acta Oecologica, 2010, 36, 578-586. | 0.5 | 6 |
| 951 | Plant diversity effects on soil microorganisms support the singular hypothesis. Ecology, 2010, 91, 485-496. | 1.5 | 409 |
| 952 | Plant species richness in montane grasslands affects the fitness of a generalist grasshopper species. Ecology, 2010, 91, 1083-1091. | 1.5 | 42 |
| 953 | Higher diversity of depositâ€feeding macrofauna enhances phytodetritus processing. Ecology, 2010, 91, 1414-1423. | 1.5 | 51 |
| 954 | Observed trends in Earth System behavior. Wiley Interdisciplinary Reviews: Climate Change, 2010, 1, 428-449. | 3.6 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 955 | Long-Term Ecological Research. , 2010, , . | | 41 |
| 956 | Dispersal scales up the biodiversityâ€“productivity relationship in an experimental source-sink metacommunity. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 2339-2345. | 1.2 | 27 |
| 957 | Modelling the production and species richness of wild mushrooms in pine forests of the Central Pyrenees in northeastern Spain. Canadian Journal of Forest Research, 2010, 40, 347-356. | 0.8 | 74 |
| 958 | Diversity, decoys and the dilution effect: how ecological communities affect disease risk. Journal of Experimental Biology, 2010, 213, 961-970. | 0.8 | 262 |
| 959 | Soil Microbiology and Sustainable Crop Production. , 2010, , . | | 17 |
| 960 | Soil Functions and Diversity in Organic and Conventional Farming. Sustainable Agriculture Reviews, 2010, , 275-301. | 0.6 | 6 |
| 961 | Toward dynamic global vegetation models for simulating vegetationâ€“climate interactions and feedbacks: recent developments, limitations, and future challenges. Environmental Reviews, 2010, 18, 333-353. | 2.1 | 141 |
| 962 | Coral identity underpins architectural complexity on Caribbean reefs. , 2011, 21, 2223-2231. | | 105 |
| 963 | Ecosystem Changes, Biodiversity Loss and Human Well-Being. , 2011, , 215-224. | | 1 |
| 964 | Managing the forest for more than the trees: effects of experimental timber harvest on forest Lepidoptera. , 2011, 21, 806-816. | | 29 |
| 965 | Functional Structure of Biological Communities Predicts Ecosystem Multifunctionality. PLoS ONE, 2011, 6, e17476. | 1.1 | 348 |
| 966 | Agroecology: A Review from a Global-Change Perspective. Annual Review of Environment and Resources, 2011, 36, 193-222. | 5.6 | 191 |
| 968 | Biofilm recovery in a wastewater treatment plantâ€influenced stream and spatial segregation of ammoniaâ€oxidizing microbial populations. Limnology and Oceanography, 2011, 56, 1054-1064. | 1.6 | 32 |
| 969 | Diversity, Structure, and Size of N2O-Producing Microbial Communities in Soilsâ€”What Matters for Their Functioning?. Advances in Applied Microbiology, 2011, 75, 33-70. | 1.3 | 311 |
| 970 | The Role of Body Size in Complex Food Webs. Advances in Ecological Research, 2011, 45, 181-223. | 1.4 | 79 |
| 972 | Spatial Resilience in Social-Ecological Systems. , 2011, , . | | 117 |
| 973 | Habitat biodiversity as a determinant of fish community structure on coral reefs. Ecology, 2011, 92, 2285-2298. | 1.5 | 124 |
| 974 | Diversity patterns and composition of native and exotic floras in central Chile. Acta Oecologica, 2011, 37, 103-109. | 0.5 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 975 | Functional diversity of terrestrial microbial decomposers and their substrates. Comptes Rendus - Biologies, 2011, 334, 393-402. | 0.1 | 70 |
| 976 | Large-scale ecological restoration of high-diversity tropical forests in SE Brazil. Forest Ecology and Management, 2011, 261, 1605-1613. | 1.4 | 276 |
| 977 | Effects of species and tree size diversity on recruitment in the Alaskan boreal forest: A geospatial approach. Forest Ecology and Management, 2011, 262, 1608-1617. | 1.4 | 21 |
| 978 | Assisted colonization: Integrating conservation strategies in the face of climate change. Biological Conservation, 2011, 144, 92-100. | 1.9 | 151 |
| 979 | Integrative freshwater ecology and biodiversity conservation. Ecological Indicators, 2011, 11, 1507-1516. | 2.6 | 329 |
| 980 | Application and assessment of the Environmental Vulnerability Index in Greece. Ecological Indicators, 2011, 11, 1699-1706. | 2.6 | 34 |
| 981 | Denitrification rates and community structure of denitrifying bacteria in newly constructed wetland. European Journal of Soil Biology, 2011, 47, 24-29. | 1.4 | 69 |
| 982 | Climatic variability and landscape heterogeneity impact urban mosquito diversity and vector abundance and infection. Ecosphere, 2011, 2, art70. | 1.0 | 112 |
| 983 | A photosynthetic rotating annular bioreactor (Taylorâ€“Couette type flow) for phototrophic biofilm cultures. Water Research, 2011, 45, 6107-6118. | 5.3 | 23 |
| 984 | Niche and fitness differences relate the maintenance of diversity to ecosystem function. Ecology, 2011, 92, 1157-1165. | 1.5 | 173 |
| 985 | Fractions and Bioavailability of Soil Inorganic Phosphorus in the Loess Plateau of China under Different Vegetations. Acta Geologica Sinica, 2011, 85, 263-270. | 0.8 | 6 |
| 986 | Hidden Fungi, Emergent Properties: Endophytes and Microbiomes. Annual Review of Phytopathology, 2011, 49, 291-315. | 3.5 | 753 |
| 987 | High plant diversity is needed to maintain ecosystem services. Nature, 2011, 477, 199-202. | 13.7 | 1,195 |
| 988 | The functional role of producer diversity in ecosystems. American Journal of Botany, 2011, 98, 572-592. | 0.8 | 991 |
| 989 | Guidance on the environmental risk assessment of plant pests. EFSA Journal, 2011, 9, 2460. | 0.9 | 34 |
| 990 | Nitrogen processes in coastal and marine ecosystems. , 2011, , 147-176. | | 22 |
| 991 | Native Perennial Grassland Species for Bioenergy: Establishment and Biomass Productivity. Agronomy Journal, 2011, 103, 509-519. | 0.9 | 50 |
| 992 | The Biodiversity-Ecosystem Function Debate in Ecology. , 2011, , 169-200. | | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 994 | Changes in Plant Species Richness Induce Functional Shifts in Soil Nematode Communities in Experimental Grassland. PLoS ONE, 2011, 6, e24087. | 1.1 | 64 |
| 995 | Negative Impacts of Human Land Use on Dung Beetle Functional Diversity. PLoS ONE, 2011, 6, e17976. | 1.1 | 170 |
| 996 | Species Richness and Trophic Diversity Increase Decomposition in a Co-Evolved Food Web. PLoS ONE, 2011, 6, e20672. | 1.1 | 37 |
| 997 | Productivity-Diversity Relationships in Lake Plankton Communities. PLoS ONE, 2011, 6, e22041. | 1.1 | 64 |
| 998 | Tree Resin Composition, Collection Behavior and Selective Filters Shape Chemical Profiles of Tropical Bees (Apidae: Meliponini). PLoS ONE, 2011, 6, e23445. | 1.1 | 35 |
| 999 | Functional Redundancy Patterns Reveal Non-Random Assembly Rules in a Species-Rich Marine Assemblage. PLoS ONE, 2011, 6, e26735. | 1.1 | 90 |
| 1000 | Sedimentary Environment Influences the Effect of an Infaunal Suspension Feeding Bivalve on Estuarine Ecosystem Function. PLoS ONE, 2011, 6, e27065. | 1.1 | 61 |
| 1001 | Scale-dependent response diversity of seabirds to prey in the North Sea. Ecology, 2011, 92, 228-239. | 1.5 | 34 |
| 1002 | The influence of macroinvertebrate shredders, leaf type and composition on litter breakdown in a Hong Kong stream. Fundamental and Applied Limnology, 2011, 178, 147-157. | 0.4 | 8 |
| 1003 | Tolerance of native wildflower species to postemergence herbicides. Native Plants Journal, 2011, 12, 31-36. | 0.0 | 2 |
| 1004 | Rumbling in the benthos: acoustic ecology of the California mantis shrimp Hemisquilla californiensis. Aquatic Biology, 2011, 13, 97-105. | 0.5 | 26 |
| 1005 | Risk Factors for Crop Health Under Global Change and Agricultural Shifts: A Framework of Analyses Using Rice in Tropical and Subtropical Asia as a Model. Phytopathology, 2011, 101, 696-709. | 1.1 | 36 |
| 1006 | Coexistence of competing stage-structured populations. Scientific Reports, 2011, 1, 107. | 1.6 | 16 |
| 1007 | Toward molecular traitâ€based ecology through integration of biogeochemical, geographical and metagenomic data. Molecular Systems Biology, 2011, 7, 473. | 3.2 | 218 |
| 1008 | ECOLOGY â€“ Ecological effects of marine protected areas: conservation, restoration, and functioning. , 0, , 37-71. | | 13 |
| 1009 | Stage structure alters how complexity affects stability of ecological networks. Ecology Letters, 2011, 14, 75-79. | 3.0 | 146 |
| 1010 | Genotypic richness and dissimilarity opposingly affect ecosystem functioning. Ecology Letters, 2011, 14, 537-545. | 3.0 | 145 |
| 1011 | Tree species richness promotes productivity in temperate forests through strong complementarity between species. Ecology Letters, 2011, 14, 1211-1219. | 3.0 | 372 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1012 | The effect of biodiversity on tree productivity: from temperate to boreal forests. Global Ecology and Biogeography, 2011, 20, 170-180. | 2.7 | 699 |
| 1013 | Abundance and dominance become less predictable as species richness decreases. Global Ecology and Biogeography, 2011, 20, 832-841. | 2.7 | 16 |
| 1014 | Low functional richness and redundancy of a predator assemblage in native forest fragments of Chiloe Island, Chile. Journal of Animal Ecology, 2011, 80, 809-817. | 1.3 | 25 |
| 1015 | Diversity and invasion within a predator community: impacts on herbivore suppression. Journal of Applied Ecology, 2011, 48, 453-461. | 1.9 | 22 |
| 1016 | Effect of biodiversity on economic benefits from communal lands in Namibia. Journal of Applied Ecology, 2011, 48, 310-316. | 1.9 | 54 |
| 1017 | Diverse marsh plant communities are more consistently productive across a range of different environmental conditions through functional complementarity. Journal of Applied Ecology, 2011, 48, 1117-1124. | 1.9 | 26 |
| 1018 | Soil biodiversity and carbon cycling: a review and synthesis of studies examining diversityâ€“function relationships. European Journal of Soil Science, 2011, 62, 105-116. | 1.8 | 430 |
| 1019 | Anthropogenic disturbance and streams: land use and land-use change affect stream ecosystems via multiple pathways. Freshwater Biology, 2011, 56, 611-626. | 1.2 | 84 |
| 1020 | Litter diversity, fungal decomposers and litter decomposition under simulated stream intermittency. Functional Ecology, 2011, 25, 1269-1277. | 1.7 | 72 |
| 1021 | Impact of aboveâ€•and belowâ€ground invertebrates on temporal and spatial stability of grassland of different diversity. Journal of Ecology, 2011, 99, 572-582. | 1.9 | 27 |
| 1022 | Reintroduction As an Ecosystem Restoration Technique. Conservation Biology, 2011, 25, 424-424. | 2.4 | 57 |
| 1023 | Fungi in freshwaters: ecology, physiology and biochemical potential. FEMS Microbiology Reviews, 2011, 35, 620-651. | 3.9 | 248 |
| 1024 | Fish diversity as a determinant of ecosystem properties across multiple trophic levels. Oikos, 2011, 120, 84-94. | 1.2 | 13 |
| 1025 | Macroâ€detritivore identity drives leaf litter diversity effects. Oikos, 2011, 120, 1092-1098. | 1.2 | 77 |
| 1026 | Experimental design and the outcome and interpretation of diversityâ€“stability relations. Oikos, 2011, 120, 399-408. | 1.2 | 92 |
| 1027 | Annual variation of community biomass is lower in more diverse stream fish communities. Oikos, 2011, 120, 582-590. | 1.2 | 9 |
| 1028 | Across ecosystem comparisons of size structure: methods, approaches and prospects. Oikos, 2011, 120, 550-563. | 1.2 | 69 |
| 1029 | Intraguild interactions among generalist predator functional groups drive impact on herbivore and decomposer prey. Oikos, 2011, 120, 418-426. | 1.2 | 39 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1030 | Functional redundancy in a clipping experiment on grassland plant communities. Oikos, 2011, 120, 1420-1426. | 1.2 | 23 |
| 1031 | Species richness of woody plants in the landscapes of Central Spain: the role of management disturbances, environment and non-stationarity. Journal of Vegetation Science, 2011, 22, 238-250. | 1.1 | 23 |
| 1032 | A regional-scale consideration of the effects of species richness on above-ground biomass in temperate natural grasslands of China. Journal of Vegetation Science, 2011, 22, 414-424. | 1.1 | 22 |
| 1033 | Lack of tree layer control on herb layer characteristics in a subtropical forest, China. Journal of Vegetation Science, 2011, 22, 1120-1131. | 1.1 | 42 |
| 1034 | Recovery of methanotrophs from disturbance: population dynamics, evenness and functioning. ISME Journal, 2011, 5, 750-758. | 4.4 | 71 |
| 1035 | Biodiversity improves water quality through niche partitioning. Nature, 2011, 472, 86-89. | 13.7 | 577 |
| 1036 | Interactive effects of warming, soil humidity and plant diversity on litter decomposition and microbial activity. Soil Biology and Biochemistry, 2011, 43, 1902-1907. | 4.2 | 110 |
| 1037 | Biogeographic patterns and long-term changes on New Zealand coastal reefs: Non-trophic cascades from diffuse and local impacts. Journal of Experimental Marine Biology and Ecology, 2011, 400, 33-51. | 0.7 | 73 |
| 1038 | Impacts and negative feedbacks in community recovery over eight years following removal of habitat-forming macroalgae. Journal of Experimental Marine Biology and Ecology, 2011, 407, 108-115. | 0.7 | 68 |
| 1039 | Feedbacks between geomorphology and biota controlling Earth surface processes and landforms: A review of foundation concepts and current understandings. Earth-Science Reviews, 2011, 106, 307-331. | 4.0 | 323 |
| 1040 | Coupled economic-ecological systems with slow and fast dynamics â€" Modelling and analysis method. Ecological Economics, 2011, 70, 1448-1458. | 2.9 | 29 |
| 1041 | The evolution of CSR life-history strategies in a plant model with explicit physiology and architecture. Ecological Modelling, 2011, 222, 1-10. | 1.2 | 28 |
| 1042 | Short-term response of estuarine sandflat trophodynamics to pulse anthropogenic physical disturbance: Support for the Intermediate Disturbance Hypothesis. Estuarine, Coastal and Shelf Science, 2011, 92, 639-648. | 0.9 | 7 |
| 1043 | Land use intensity in grasslands: Changes in biodiversity, species composition and specialisation in flower visitor networks. Basic and Applied Ecology, 2011, 12, 292-299. | 1.2 | 99 |
| 1044 | Functional complementarity and specialisation: The role of biodiversity in plantâ€"pollinator interactions. Basic and Applied Ecology, 2011, 12, 282-291. | 1.2 | 392 |
| 1045 | The susceptibility of species to extinctions in model communities. Basic and Applied Ecology, 2011, 12, 590-599. | 1.2 | 54 |
| 1046 | A pre-release assessment of the relationship between the invasive alien plant, Pereskia aculeata Miller (Cactaceae), and native plant biodiversity in South Africa. Biological Control, 2011, 57, 59-65. | 1.4 | 20 |
| 1047 | Entomopathogen biodiversity increases host mortality. Biological Control, 2011, 59, 277-283. | 1.4 | 38 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1048 | Programming microbial population dynamics by engineered cellâ€“cell communication. Biotechnology Journal, 2011, 6, 837-849. | 1.8 | 34 |
| 1049 | Biological invasions and ecosystem functioning: time to merge. Biological Invasions, 2011, 13, 1055-1058. | 1.2 | 52 |
| 1050 | Grassâ€“legume mixtures can yield more nitrogen than legume pure stands due to mutual stimulation of nitrogen uptake from symbiotic and non-symbiotic sources. Agriculture, Ecosystems and Environment, 2011, 140, 155-163. | 2.5 | 281 |
| 1051 | Economic Analysis for Ecosystem Service Assessments. Environmental and Resource Economics, 2011, 48, 177-218. | 1.5 | 444 |
| 1052 | Functional diversity and species turnover of benthic invertebrates along a local environmental gradient induced by an aquaculture unit: the contribution of species dispersal ability and rarity. Hydrobiologia, 2011, 670, 307-315. | 1.0 | 29 |
| 1053 | Application of statistical design for the optimization of microbial community of synthetic domestic wastewater. Biodegradation, 2011, 22, 205-213. | 1.5 | 7 |
| 1054 | Complementarity in water sources among dominant species in typical steppe ecosystems of Inner Mongolia, China. Plant and Soil, 2011, 340, 303-313. | 1.8 | 84 |
| 1055 | Overyielding and interspecific interactions mediated by nitrogen fertilization in strip intercropping of maize with faba bean, wheat and barley. Plant and Soil, 2011, 339, 147-161. | 1.8 | 123 |
| 1056 | Plant functional group removal alters root biomass and nutrient cycling in a typical steppe in Inner Mongolia, China. Plant and Soil, 2011, 346, 133-144. | 1.8 | 18 |
| 1057 | Stability of ecosystem functioning and diversity of grasslands at the landscape scale. Landscape Ecology, 2011, 26, 1011-1022. | 1.9 | 27 |
| 1058 | Comparative use of forest habitats by roe deer and moose in a humanâ€modified landscape in southeastern Norway during winter. Ecological Research, 2011, 26, 781-789. | 0.7 | 44 |
| 1059 | The effects of habitat connectivity and regional heterogeneity on artificial pond metacommunities. Oecologia, 2011, 166, 221-228. | 0.9 | 30 |
| 1060 | Polychaete invader enhances resource utilization in a species-poor system. Oecologia, 2011, 166, 1055-1065. | 0.9 | 34 |
| 1061 | Long-term presence of tree species but not chemical diversity affect litter mixture effects on decomposition in a neotropical rainforest. Oecologia, 2011, 167, 241-252. | 0.9 | 64 |
| 1062 | Determining the mechanism by which fish diversity influences production. Oecologia, 2011, 167, 189-198. | 0.9 | 17 |
| 1063 | Species-specific effects of soil fauna on fungal foraging and decomposition. Oecologia, 2011, 167, 535-545. | 0.9 | 74 |
| 1064 | Combining tree-ring analyses on stems and coarse roots to study the growth dynamics of forest trees: a case study on Norway spruce (Picea abies [L.] H. Karst). Trees - Structure and Function, 2011, 25, 859-872. | 0.9 | 23 |
| 1065 | Divergence in Forest-Type Response to Climate and Weather: Evidence for Regional Links Between Forest-Type Evenness and Net Primary Productivity. Ecosystems, 2011, 14, 975-986. | 1.6 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1066 | The Ecosystem in Practice: Interest and Problems of an Old Definition for Constructing Ecological Models. Ecosystems, 2011, 14, 1039-1054. | 1.6 | 28 |
| 1067 | The ecology of tree regeneration in mature and old forests: combined knowledge for sustainable forest management. Journal of Forest Research, 2011, 16, 184-193. | 0.7 | 31 |
| 1068 | Effects of inoculated Microcoleus vaginatus on the structure and function of biological soil crusts of desert. Biology and Fertility of Soils, 2011, 47, 473-480. | 2.3 | 32 |
| 1069 | Placing the Effects of Leaf Litter Diversity on Saprotrophic Microorganisms in the Context of Leaf Type and Habitat. Microbial Ecology, 2011, 61, 399-409. | 1.4 | 22 |
| 1070 | Diversity of Dominant Bacterial Taxa in Activated Sludge Promotes Functional Resistance following Toxic Shock Loading. Microbial Ecology, 2011, 61, 557-567. | 1.4 | 40 |
| 1071 | Integrating microbial ecology in bioprocess understanding: the case of gas biofiltration. Applied Microbiology and Biotechnology, 2011, 90, 837-849. | 1.7 | 72 |
| 1072 | Secreted enzymatic activities of ectomycorrhizal fungi as a case study of functional diversity and functional redundancy. Annals of Forest Science, 2011, 68, 69-80. | 0.8 | 50 |
| 1073 | Emergence and maintenance of biodiversity in an evolutionary food-web model. Theoretical Ecology, 2011, 4, 467-478. | 0.4 | 73 |
| 1074 | Plant Community Composition More Predictive than Diversity of Carbon Cycling in Freshwater Wetlands. Wetlands, 2011, 31, 965-977. | 0.7 | 25 |
| 1075 | Cultivar mixtures of processing tomato in an organic agroecosystem. Organic Agriculture, 2011, 1, 17-30. | 1.2 | 10 |
| 1076 | Forest restoration, biodiversity and ecosystem functioning. BMC Ecology, 2011, 11, 29. | 3.0 | 244 |
| 1077 | Economic valuation of land restoration: The case of exclosures established on communal grazing lands in Tigray, Ethiopia. Land Degradation and Development, 2011, 22, 334-344. | 1.8 | 72 |
| 1078 | Community Secondary Production as a Measure of Ecosystem Function: A Case Study with Aquatic Ecosystem Fragmentation. Bulletin of Marine Science, 2011, 87, 913-937. | 0.4 | 21 |
| 1079 | Phylogenetic Molecular Ecological Network of Soil Microbial Communities in Response to Elevated CO <sub>2</sub>. MBio, 2011, 2, . | 1.8 | 771 |
| 1080 | Contemporary Concepts and Models of Biodiversity and Ecosystem Function. , 2011, , 5-21. | | 4 |
| 1081 | Food web structure and biocontrol in a four-trophic level system across a landscape complexity gradient. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 2946-2953. | 1.2 | 119 |
| 1082 | Phylogenetic diversity as a window into the evolutionary and biogeographic histories of present-day richness gradients for mammals. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2414-2425. | 1.8 | 145 |
| 1083 | Global Prospects Rooted in Soil Science. Soil Science Society of America Journal, 2011, 75, 1-8. | 1.2 | 67 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1084 | Diversity Patterns of Benthic Macrofauna Caused by Marine Fish Farming. Diversity, 2011, 3, 176-199. | 0.7 | 55 |
| 1085 | A Theoretical Framework for the Analysis of Spatial Resilience. , 2011, , 35-66. | | 1 |
| 1087 | Diverse perennial crop mixtures sustain higher productivity over time based on ecological complementarity. Renewable Agriculture and Food Systems, 2011, 26, 317-327. | 0.8 | 78 |
| 1088 | Modeling Dryland Landscapes. Mathematical Modelling of Natural Phenomena, 2011, 6, 163-187. | 0.9 | 33 |
| 1089 | Global Human Footprint on the Linkage between Biodiversity and Ecosystem Functioning in Reef Fishes. PLoS Biology, 2011, 9, e1000606. | 2.6 | 249 |
| 1090 | Biodiversity and ecosystem functioning: exploring large-scale patterns in mainland China. IForest, 2012, 5, 230-234. | 0.5 | 10 |
| 1091 | Offsetting Policies for Biodiversity Conservation. Developments in Environmental Modelling, 2012, , 413-430. | 0.3 | 1 |
| 1092 | Species richness matters for the quality of ecosystem services: a test using seed dispersal by frugivorous birds. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 3106-3113. | 1.2 | 107 |
| 1093 | Linking community size structure and ecosystem functioning using metabolic theory. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 2998-3007. | 1.8 | 86 |
| 1094 | Invasive rats and recent colonist birds partially compensate for the loss of endemic New Zealand pollinators. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 1597-1605. | 1.2 | 47 |
| 1095 | How do plant community ecologists consider the complementarity of observational, experimental and theoretical modelling approaches?. Plant Ecology and Evolution, 2012, 145, 4-12. | 0.3 | 5 |
| 1096 | Agronomic and Ecological Implications of Biofuels. Advances in Agronomy, 2012, 117, 1-50. | 2.4 | 23 |
| 1097 | High richness and dense seeding enhance grassland restoration establishment but have little effect on drought response. Ecological Applications, 2012, 22, 1308-1319. | 1.8 | 62 |
| 1098 | Genetic diversity increases population productivity in a sessile marine invertebrate. Ecology, 2012, 93, 1134-1142. | 1.5 | 37 |
| 1099 | Linkages between tree diversity and carbon stocks in unlogged and logged West African tropical forests. International Journal of Biodiversity Science, Ecosystem Services & Management, 2012, 8, 217-230. | 2.9 | 14 |
| 1100 | Linking deadwood-associated beetles and fungi with wood decomposition rates in managed black spruce forests<sup>1</sup>This article is one of a selection of papers from the International Symposium on Dynamics and Ecological Services of Deadwood in Forest Ecosystems.. Canadian Journal of Forest Research, 2012, 42, 1477-1490. | 0.8 | 37 |
| 1101 | Effects of combination of leaf resources on competition in container mosquito larvae. Bulletin of Entomological Research, 2012, 102, 424-434. | 0.5 | 18 |
| 1102 | The Mekong Delta System. Springer Environmental Science and Engineering, 2012, , . | 0.1 | 53 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1103 | Agriculture and Water Quality in the Vietnamese Mekong Delta. Springer Environmental Science and Engineering, 2012, , 331-361. | 0.1 | 21 |
| 1104 | Conserving and promoting evenness: organic farming and fireâ€based wildland management as case studies. Ecology, 2012, 93, 2001-2007. | 1.5 | 55 |
| 1105 | Wild Bumblebee (Bombus) Diversity andNosema(Microsporidia: Nosematidae) Infection Levels Associated with Lowbush Blueberry (Vaccinium angustifolium) Production and Commercial Bumblebee Pollinators. Psyche: Journal of Entomology, 2012, 2012, 1-11. | 0.4 | 14 |
| 1106 | Diversity and community assembly patterns of epigean vs. troglobiont spiders in the Iberian Peninsula. International Journal of Speleology, 2012, 41, 83-94. | 0.4 | 50 |
| 1107 | Diversity-Carbon Flux Relationships in a Northwest Forest. Diversity, 2012, 4, 33-58. | 0.7 | 5 |
| 1108 | Using Plant Functional Traits to Explain Diversityâ€“Productivity Relationships. PLoS ONE, 2012, 7, e36760. | 1.1 | 263 |
| 1109 | Consistent effects of productivity and disturbance on diversity between landscapes. Ecosphere, 2012, 3, 1-19. | 1.0 | 20 |
| 1110 | Integrating trait-mediated effects and non-trophic interactions in the study of biodiversity and ecosystem functioning. , 2012, , 414-432. | | 3 |
| 1111 | Complexity and composition of pasture swards affect plant productivity and soil organisms. Canadian Journal of Plant Science, 2012, 92, 687-697. | 0.3 | 8 |
| 1112 | The social and institutional structure of corruption: some typical network configurations of corruption transactions in Hungary. , 0, , 156-176. | | 0 |
| 1113 | Manipulation of beneficial microorganisms in crop rhizospheres. Advances in Agroecology, 2012, , 23-48. | 0.3 | 0 |
| 1114 | Sward complexity and grass species composition affect the performance of grass-white clover pasture mixtures. Canadian Journal of Plant Science, 2012, 92, 1199-1205. | 0.3 | 17 |
| 1115 | A family of spatial biodiversity measures based on graphs. Environmental and Ecological Statistics, 2012, 19, 545-572. | 1.9 | 22 |
| 1116 | CONCORDANCE BETWEEN GENETIC AND SPECIES DIVERSITY IN CORAL REEF FISHES ACROSS THE PACIFIC OCEAN BIODIVERSITY GRADIENT. Evolution; International Journal of Organic Evolution, 2012, 66, 3902-3917. | 1.1 | 29 |
| 1118 | Collapse and reorganization of a food web of Mwanza Gulf, Lake Victoria. Ecological Applications, 2012, 22, 229-239. | 1.8 | 53 |
| 1119 | Patterns of fungal communities among and within decaying logs, revealed by 454 sequencing. Molecular Ecology, 2012, 21, 4514-4532. | 2.0 | 159 |
| 1120 | Diversity of plant evolutionary lineages promotes arthropod diversity. Ecology Letters, 2012, 15, 1308-1317. | 3.0 | 108 |
| 1121 | Are investments to promote biodiversity conservation and ecosystem services aligned?. Oxford Review of Economic Policy, 2012, 28, 139-163. | 1.0 | 48 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1122 | Phylogenetic constraints on ecosystem functioning. Nature Communications, 2012, 3, 1117. | 5.8 | 71 |
| 1124 | Effects of plant species diversity on soil conservation and stability in the secondary succession phases of a semihumid evergreen broadleaf forest in China. Journal of Soils and Water Conservation, 2012, 67, 311-320. | 0.8 | 26 |
| 1125 | Is catchment productivity a useful predictor of taxa richness in lake plankton communities?. Ecological Applications, 2012, 22, 624-633. | 1.8 | 30 |
| 1126 | Competitionâ€“colonization dynamics in experimental bacterial metacommunities. Nature Communications, 2012, 3, 1234. | 5.8 | 73 |
| 1127 | A review of diversity-stability relationship of soil microbial community: What do we not know?. Journal of Environmental Sciences, 2012, 24, 1027-1035. | 3.2 | 42 |
| 1128 | Decomposer diversity and identity influence plant diversity effects on ecosystem functioning. Ecology, 2012, 93, 2227-2240. | 1.5 | 63 |
| 1129 | Aldo Leopoldâ€™s Land Health from a Resilience Point of View: Self-renewal Capacity of Socialâ€“Ecological Systems. EcoHealth, 2012, 9, 278-287. | 0.9 | 32 |
| 1130 | Climate change and freshwater zooplankton: what does it boil down to?. Aquatic Ecology, 2012, 46, 501-519. | 0.7 | 65 |
| 1131 | Effects of Tubificid Worm Bioturbation on Freshwater Sediment Biogeochemistry. Aquatic Geochemistry, 2012, 18, 475-497. | 1.5 | 40 |
| 1132 | Invasive exotic grasses and seed arrival limit native species establishment in an old-field grassland succession. Biological Invasions, 2012, 14, 2531-2544. | 1.2 | 31 |
| 1133 | Valuation of Tangible Benefits of a Homestead Agoforestry System: A Case Study from Bangladesh. Human Ecology, 2012, 40, 639-645. | 0.7 | 15 |
| 1134 | Landscape modulators and resource accumulation in a post-fire eucalypt woodland. Forest Ecology and Management, 2012, 285, 11-19. | 1.4 | 16 |
| 1135 | Influence of dune stabilization on relationship between plant diversity and productivity in Horqin Sand Land, Northern China. Environmental Earth Sciences, 2012, 67, 1547-1556. | 1.3 | 34 |
| 1136 | Multi-taxa coral reef community structure in relation to habitats in the Baa Atoll Man and Biosphere UNESCO Reserve (Maldives), and implications for its conservation. Journal of Sea Research, 2012, 72, 77-86. | 0.6 | 14 |
| 1137 | Relative strengths of relationships between plant, microbial, and environmental parameters in heavy-metal contaminated floodplain soil. Pedobiologia, 2012, 55, 15-23. | 0.5 | 2 |
| 1138 | Ecophylogenetics: advances and perspectives. Biological Reviews, 2012, 87, 769-785. | 4.7 | 341 |
| 1139 | Can we explain regional abundance and roadâ€kill patterns with variables derived from localâ€scale roadâ€kill models? Evaluating transferability with the European polecat. Diversity and Distributions, 2012, 18, 635-647. | 1.9 | 18 |
| 1140 | Patterns of earthworm communities and species traits in relation to the perturbation gradient of a restored floodplain. Applied Soil Ecology, 2012, 59, 87-95. | 2.1 | 33 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1141 | Seasonal and spatial variations of denitrification and denitrifying bacterial community structure in created riverine wetlands. Ecological Engineering, 2012, 38, 130-134. | 1.6 | 61 |
| 1142 | Review of multispecies indices for monitoring human impacts on biodiversity. Ecological Indicators, 2012, 17, 58-67. | 2.6 | 78 |
| 1143 | A biological trait approach to assess the functional composition of subtidal benthic communities in an estuarine ecosystem. Ecological Indicators, 2012, 20, 121-133. | 2.6 | 119 |
| 1144 | Assessment of the subtidal macrobenthic community functioning of a temperate estuary following environmental restoration. Ecological Indicators, 2012, 23, 312-322. | 2.6 | 52 |
| 1145 | Shifts in microbial community function and structure along the successional gradient of coastal wetlands in Yellow River Estuary. European Journal of Soil Biology, 2012, 49, 12-21. | 1.4 | 108 |
| 1146 | Changes in diversity of the mountain beech forest herb layer as a function of the forest management method. Forest Ecology and Management, 2012, 276, 154-164. | 1.4 | 46 |
| 1147 | Using indicator groups to represent bird phylogenetic and functional diversity. Biological Conservation, 2012, 146, 155-162. | 1.9 | 28 |
| 1148 | Functional identity and functional structure change through succession in a rocky intertidal marine herbivore assemblage. Ecology, 2012, 93, 75-89. | 1.5 | 41 |
| 1149 | The diversityâ€“productivity relationship in a permanent temperate grassland: negative diversity effect, dominant influence of management regime. Plant Ecology and Diversity, 2012, 5, 265-274. | 1.0 | 24 |
| 1150 | Niche and fitness differences relate the maintenance of diversity to ecosystem function: comment. Ecology, 2012, 93, 1482-1487. | 1.5 | 58 |
| 1151 | Distributional (In)Congruence of Biodiversityâ€“Ecosystem Functioning. Advances in Ecological Research, 2012, 46, 1-88. | 1.4 | 52 |
| 1152 | Millimeter-scale patterns of phylogenetic and trait diversity in a salt marsh microbial mat. Frontiers in Microbiology, 2012, 3, 293. | 1.5 | 52 |
| 1153 | Assessing the development of rehabilitated grasslands on post-mined landforms in north west Queensland, Australia. Agriculture, Ecosystems and Environment, 2012, 163, 72-84. | 2.5 | 39 |
| 1154 | A review of grassland models in the biofuel context. Ecological Modelling, 2012, 245, 84-93. | 1.2 | 29 |
| 1155 | From Animalcules to an Ecosystem: Application of Ecological Concepts to the Human Microbiome. Annual Review of Ecology, Evolution, and Systematics, 2012, 43, 137-155. | 3.8 | 68 |
| 1156 | The Resilience and Resistance of an Ecosystem to a Collapse of Diversity. PLoS ONE, 2012, 7, e46135. | 1.1 | 75 |
| 1157 | Gradual regime shifts in spatially extended ecosystems. Theoretical Ecology, 2012, 5, 591-604. | 0.4 | 111 |
| 1158 | Incorporating indirect ecosystem services into marine protected area planning and management. International Journal of Biodiversity Science, Ecosystem Services & Management, 2012, 8, 273-285. | 2.9 | 22 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1159 | Increasing plant diversity effects on productivity with time due to delayed soil biota effects on plants. Basic and Applied Ecology, 2012, 13, 571-578. | 1.2 | 140 |
| 1160 | Cryptobenthic fish biodiversity and microhabitat use in healthy and degraded coral reefs in SE Sulawesi, Indonesia. Marine Biodiversity, 2012, 42, 433-442. | 0.3 | 23 |
| 1161 | Bioethanol Potentials and Life-Cycle Assessments of Biofuel Feedstocks. Critical Reviews in Plant Sciences, 2012, 31, 271-289. | 2.7 | 27 |
| 1162 | Harnessing the rhizosphere microbiome through plant breeding and agricultural management. Plant and Soil, 2012, 360, 1-13. | 1.8 | 347 |
| 1163 | Nitrogen uptake by grassland communities: contribution of N2 fixation, facilitation, complementarity, and species dominance. Plant and Soil, 2012, 358, 301-322. | 1.8 | 59 |
| 1164 | Crenic habitats, hotspots for freshwater biodiversity conservation: toward an understanding of their ecology. Freshwater Science, 2012, 31, 463-480. | 0.9 | 182 |
| 1165 | Biogeographical Boundaries, Functional Group Structure and Diversity of Rocky Shore Communities along the Argentinean Coast. PLoS ONE, 2012, 7, e49725. | 1.1 | 22 |
| 1166 | Modeling Impacts of Climate Change on Giant Panda Habitat. International Journal of Ecology, 2012, 2012, 1-12. | 0.3 | 89 |
| 1167 | Getting the Message Across Biodiversity Science and Policy Interfaces â€“ A Review. Gaia, 2012, 21, 125-134. | 0.3 | 34 |
| 1168 | Networks of institutional capture: a case of business in the State apparatus. , 0, , 143-155. | | 0 |
| 1169 | Networks and globalization policies. , 0, , 189-219. | | 0 |
| 1171 | Spatial patterns of diversity at local and regional scales in a tropical lagoon. Neotropical Ichthyology, 2012, 10, 99-108. | 0.5 | 1 |
| 1172 | Is there a relationship between floristic diversity and carbon stocks in tropical vegetation in Mexico?. African Journal of Agricultural Research Vol Pp, 2012, 7, . | 0.2 | 4 |
| 1173 | Functional diversity in plant communities: Theory and analysis methods. African Journal of Biotechnology, 2012, 11, 1014-1022. | 0.3 | 22 |
| 1174 | Diversity of Woodland Communities and Plant Species along an Altitudinal Gradient in the Guancen Mountains, China. Scientific World Journal, The, 2012, 2012, 1-7. | 0.8 | 9 |
| 1175 | Indirect drivers of plant diversity-productivity relationship in semiarid sandy grasslands. Biogeosciences, 2012, 9, 1277-1289. | 1.3 | 33 |
| 1176 | Diversity of Interaction Types and Ecological Community Stability. Science, 2012, 337, 349-351. | 6.0 | 655 |
| 1177 | Organization of complexity in water limited ecohydrology. Ecohydrology, 2012, 5, 184-199. | 1.1 | 73 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1178 | Exposing hidden diversity by concordant genealogies and morphologyâ€"a study of the Lactifluus volemus (Russulales) species complex in Sikkim Himalaya (India). Fungal Diversity, 2012, 55, 171-194. | 4.7 | 33 |
| 1179 | A trait-based approach to comparative functional plant ecology: concepts, methods and applications for agroecology. A review. Agronomy for Sustainable Development, 2012, 32, 365-399. | 2.2 | 352 |
| 1180 | Does functional redundancy of communities provide insurance against human disturbances? An analysis using regional-scale stream invertebrate data. Hydrobiologia, 2012, 693, 183-194. | 1.0 | 24 |
| 1181 | Patterns of species diversity and soil nutrients along a chronosequence of vegetation recovery in Hainan Island, South China. Ecological Research, 2012, 27, 561-568. | 0.7 | 36 |
| 1182 | The effect of tree species diversity on fine-root production in a young temperate forest. Oecologia, 2012, 169, 1105-1115. | 0.9 | 79 |
| 1183 | Species richness effects on ecosystem multifunctionality depend on evenness, composition and spatial pattern. Journal of Ecology, 2012, 100, 317-330. | 1.9 | 178 |
| 1184 | Trophic links between functional groups of arable plants and beetles are stable at a national scale. Journal of Animal Ecology, 2012, 81, 4-13. | 1.3 | 37 |
| 1185 | Regional zooplankton biodiversity provides limited buffering of pond ecosystems against climate change. Journal of Animal Ecology, 2012, 81, 251-259. | 1.3 | 60 |
| 1186 | Bird diversity patterns in Neotropical temperate farmlands: The role of environmental factors and trophic groups in the spring and autumn. Austral Ecology, 2012, 37, 547-555. | 0.7 | 8 |
| 1187 | Bacterial dynamics in steady-state biofilters: beyond functional stability. FEMS Microbiology Ecology, 2012, 79, 260-271. | 1.3 | 57 |
| 1188 | Speciesâ€™ traits and environmental gradients interact to govern primary production in freshwater mussel communities. Oikos, 2012, 121, 403-416. | 1.2 | 21 |
| 1189 | Analyzing the effects of species gain and loss on ecosystem function using the extended Price equation partition. Oikos, 2012, 121, 290-298. | 1.2 | 49 |
| 1190 | Scavenger community response to the removal of a dominant scavenger. Oikos, 2012, 121, 77-84. | 1.2 | 63 |
| 1191 | A review of principles for sustainable pest management in rice. Crop Protection, 2012, 32, 54-63. | 1.0 | 98 |
| 1192 | Controls on the diversityâ€"productivity relationship in a marine ecosystem model. Ecological Modelling, 2012, 225, 167-176. | 1.2 | 25 |
| 1193 | Functional structure of marine benthic assemblages using Biological Traits Analysis (BTA): A study along the Emilia-Romagna coastline (Italy, North-West Adriatic Sea). Estuarine, Coastal and Shelf Science, 2012, 96, 245-256. | 0.9 | 122 |
| 1194 | Global environmental change and the biology of heritage structures. Global Change Biology, 2012, 18, 2406-2418. | 4.2 | 71 |
| 1195 | Plant functional traits and nutrient gradients on grassland. Grass and Forage Science, 2012, 67, 305-319. | 1.2 | 38 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1196 | Effects of functional groups and species richness on biomass constituents relevant for combustion: results from a grassland diversity experiment. Grass and Forage Science, 2012, 67, 569-588. | 1.2 | 25 |
| 1197 | Plant diversity and generation of ecosystem services at the landscape scale: expert knowledge assessment. Journal of Applied Ecology, 2012, 49, 929-940. | 1.9 | 48 |
| 1198 | Forest productivity increases with evenness, species richness and trait variation: a global metaâ€analysis. Journal of Ecology, 2012, 100, 742-749. | 1.9 | 585 |
| 1199 | Evolution in biodiversity policy â€“ current gaps and future needs. Evolutionary Applications, 2012, 5, 202-218. | 1.5 | 67 |
| 1200 | The â€œSâ€•curve relationship between export diversity and economic size of countries. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 731-739. | 1.2 | 23 |
| 1201 | Microbial Functional Diversity in Facilities Cultivation Soils of Nitrate Accumulation. Procedia Environmental Sciences, 2012, 13, 1037-1044. | 1.3 | 9 |
| 1202 | Examining how landscapes influence benthic community assemblages in seagrass and mudflat habitats in southern Maine. Journal of Experimental Marine Biology and Ecology, 2012, 411, 1-6. | 0.7 | 19 |
| 1203 | Two decades of describing the unseen majority of aquatic microbial diversity. Molecular Ecology, 2012, 21, 1878-1896. | 2.0 | 180 |
| 1204 | Beech roots are simultaneously colonized by multiple genets of the ectomycorrhizal fungus Laccaria amethystina clustered in two genetic groups. Molecular Ecology, 2012, 21, 2116-2129. | 2.0 | 18 |
| 1205 | Increasing antagonistic interactions cause bacterial communities to collapse at high diversity. Ecology Letters, 2012, 15, 468-474. | 3.0 | 167 |
| 1206 | A traitâ€based approach for modelling microbial litter decomposition. Ecology Letters, 2012, 15, 1058-1070. | 3.0 | 307 |
| 1207 | Predation by generalist predators on the codling moth versus a closelyâ€related emerging pest the oriental fruit moth: a molecular analysis. Agricultural and Forest Entomology, 2012, 14, 260-269. | 0.7 | 27 |
| 1208 | Interactive effects of species richness and species traits on functional diversity and redundancy. Theoretical Ecology, 2012, 5, 129-139. | 0.4 | 28 |
| 1209 | Factors and processes affecting plant biodiversity in permanent grasslands. A review. Agronomy for Sustainable Development, 2012, 32, 133-160. | 2.2 | 125 |
| 1210 | Designing cropping systems from nature. Agronomy for Sustainable Development, 2012, 32, 15-29. | 2.2 | 201 |
| 1211 | Mixture enhances productivity in a twoâ€species forest: evidence from a modeling approach. Ecological Research, 2012, 27, 83-94. | 0.7 | 43 |
| 1212 | Aboveground â€“ belowground interactions as a source of complementarity effects in biodiversity experiments. Plant and Soil, 2012, 351, 1-22. | 1.8 | 124 |
| 1213 | Conservation of threatened relict trees through living ex situ collections: lessons from the global survey of the genus Zelkova (Ulmaceae). Biodiversity and Conservation, 2012, 21, 671-685. | 1.2 | 34 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1214 | Species traits and environmental conditions govern the relationship between biodiversity effects across trophic levels. Oecologia, 2012, 168, 533-548. | 0.9 | 37 |
| 1215 | EXCLOSURE LAND MANAGEMENT FOR RESTORATION OF THE SOILS IN DEGRADED COMMUNAL GRAZING LANDS IN NORTHERN ETHIOPIA. Land Degradation and Development, 2013, 24, 528-538. | 1.8 | 188 |
| 1216 | Changes in ecological stability across realistic biodiversity gradients depend on spatial scale. Global Ecology and Biogeography, 2013, 22, 19-28. | 2.7 | 35 |
| 1217 | Differential water uptake among plant species in humid alpine meadows. Journal of Vegetation Science, 2013, 24, 138-147. | 1.1 | 27 |
| 1218 | Four years of simulated climate change reduces aboveâ€ground productivity and alters functional diversity in a grassland ecosystem. Journal of Vegetation Science, 2013, 24, 113-126. | 1.1 | 88 |
| 1219 | Effects of hydromorphological impacts on river ecosystem functioning: a review and suggestions for assessing ecological impacts. Hydrobiologia, 2013, 712, 129-143. | 1.0 | 127 |
| 1220 | A thready affair: linking fungal diversity and community dynamics to terrestrial decomposition processes. FEMS Microbiology Reviews, 2013, 37, 477-494. | 3.9 | 277 |
| 1221 | Recovery of Soil Ammonia Oxidation After Long-Term Zinc Exposure Is Not Related to the Richness of the Bacterial Nitrifying Community. Microbial Ecology, 2013, 66, 312-321. | 1.4 | 8 |
| 1222 | Mapping Lepidoptera and plant alpha-diversity across a heterogeneous tropical dry forest using field and remotely sensed data with spatial interpolation. Journal of Insect Conservation, 2013, 17, 725-736. | 0.8 | 5 |
| 1223 | Microbial diversity and the â€œlower-limitâ€•problem of biodiversity. Biology and Philosophy, 2013, 28, 219-239. | 0.7 | 8 |
| 1224 | The response of arboreal marsupials to landscape context over time: a largeâ€scale fragmentation study revisited. Journal of Biogeography, 2013, 40, 2082-2093. | 1.4 | 20 |
| 1225 | Ecological Systems. , 2013, , . | | 4 |
| 1226 | A comparison of the strength of biodiversity effects across multiple functions. Oecologia, 2013, 173, 223-237. | 0.9 | 91 |
| 1227 | Species mixing boosts root yield in mangrove trees. Oecologia, 2013, 172, 271-278. | 0.9 | 42 |
| 1228 | Plant species dominance shifts across erosion edgeâ€“meadow transects in the Swiss Alps. Oecologia, 2013, 171, 693-703. | 0.9 | 17 |
| 1229 | Functional analysis of vegetation on alpine treeline ecotone in the Julian and Kamnik-Savinja Alps in Slovenia. European Journal of Forest Research, 2013, 132, 579-591. | 1.1 | 3 |
| 1230 | Modelling Interactions Between Economic Activity, Greenhouse Gas Emissions, Biodiversity and Agricultural Production. Environmental Modeling and Assessment, 2013, 18, 377-416. | 1.2 | 13 |
| 1231 | Scaleâ€dependent relationships between tree species richness and ecosystem function in forests. Journal of Ecology, 2013, 101, 1214-1224. | 1.9 | 265 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1232 | Assessing Cumulative Risks to Ecosystem Function. , 2013, , 229-237. | | 1 |
| 1233 | Plant functional types and traits as biodiversity indicators for tropical forests: two biogeographically separated case studies including birds, mammals and termites. Biodiversity and Conservation, 2013, 22, 1909-1930. | 1.2 | 36 |
| 1234 | Biodiversity ensures plantâ€“pollinator phenological synchrony against climate change. Ecology Letters, 2013, 16, 1331-1338. | 3.0 | 184 |
| 1235 | Soil carbon mineralisation responses to alterations of microbial diversity and soil structure. Biology and Fertility of Soils, 2013, 49, 939-948. | 2.3 | 34 |
| 1236 | Elevational patterns and determinants of plant diversity in the Baekdudaegan Mountains, South Korea: Species vs. functional diversity. Science Bulletin, 2013, 58, 3747-3759. | 1.7 | 7 |
| 1237 | Ecosystem Services and Carbon Sequestration in the Biosphere. , 2013, , . | | 27 |
| 1238 | Shifts between ammonia-oxidizing bacteria and archaea inÂrelation to nitrification potential across trophic gradients inÂtwo large Chinese lakes (Lake Taihu and Lake Chaohu). Water Research, 2013, 47, 2285-2296. | 5.3 | 111 |
| 1239 | Tree species and diversity effects on soil water seepage in a tropical plantation. Forest Ecology and Management, 2013, 309, 76-86. | 1.4 | 15 |
| 1240 | Networking Agroecology. Advances in Ecological Research, 2013, , 1-67. | 1.4 | 50 |
| 1241 | Application of <scp>L</scp>oreau & <scp>H</scp>ector's (2001) partitioning method to complex functional traits. Methods in Ecology and Evolution, 2013, 4, 954-960. | 2.2 | 9 |
| 1242 | Global meta-analysis reveals no net change in local-scale plant biodiversity over time. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19456-19459. | 3.3 | 464 |
| 1243 | Salinity and nutrients influence species richness and evenness of phytoplankton communities in microcosm experiments from Great Salt Lake, Utah, USA. Journal of Plankton Research, 2013, 35, 1154-1166. | 0.8 | 77 |
| 1244 | Ecology of Lyme Disease. , 2013, , 243-251. | | 3 |
| 1245 | The Scaled Subspaces Method: A new trait-based approach to model communities of populations with largely inhomogeneous density. Ecological Modelling, 2013, 251, 173-186. | 1.2 | 3 |
| 1246 | Temporal trends in biodiversity of the middle-slope assemblages in Sardinian seas (Central-Western) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 0.4 | 4 |
| 1247 | Changes in functional diversity of the soil microbial community in a heterogeneous sandy soil after long-term fertilization with cattle manure and mineral fertilizer. Applied Soil Ecology, 2013, 63, 23-28. | 2.1 | 98 |
| 1248 | Directed seed dispersal ofPiperbyCarollia perspicillataand its effect on understory plant diversity and folivory. Ecology, 2013, 94, 2444-2453. | 1.5 | 34 |
| 1249 | Effect of abiotic factors on understory community structures in moist deciduous forests of northern India. Forest Science and Practice, 2013, 15, 261-273. | 0.2 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1250 | Ecological-economic modelling for the sustainable management of biodiversity. Computational Management Science, 2013, 10, 353-364. | 0.8 | 58 |
| 1251 | Tracking environmental stress gradients using three biotic integrity indices: Advantages of a locally-developed traits-based approach. Ecological Indicators, 2013, 34, 560-570. | 2.6 | 35 |
| 1252 | Testing Cort-Fitness and Cort-Adaptation hypotheses in a habitat suitability gradient for roe deer. Acta Oecologica, 2013, 53, 38-48. | 0.5 | 35 |
| 1253 | The effect of shredder community composition on the production and quality of fine particulate organic matter. Freshwater Science, 2013, 32, 1026-1035. | 0.9 | 16 |
| 1254 | Stochastic Assembly Leads to Alternative Communities with Distinct Functions in a Bioreactor Microbial Community. MBio, 2013, 4, . | 1.8 | 293 |
| 1255 | Plant community structure mediates potential methane production and potential iron reduction in wetland mesocosms. Ecosphere, 2013, 4, 1-17. | 1.0 | 12 |
| 1256 | Subordinate plant species enhance community resistance against drought in semiâ€natural grasslands. Journal of Ecology, 2013, 101, 763-773. | 1.9 | 131 |
| 1257 | Vegetation Patterns and Species Diversity Along Elevational and Disturbance Gradients in the Baihua Mountain Reserve, Beijing, China. Mountain Research and Development, 2013, 33, 170. | 0.4 | 50 |
| 1258 | Variable Clonal Repopulation Dynamics Influence Chemotherapy Response in Colorectal Cancer. Science, 2013, 339, 543-548. | 6.0 | 691 |
| 1259 | The endangered Iris atropurpurea (Iridaceae) in Israel: honey-bees, night-sheltering male bees and female solitary bees as pollinators. Annals of Botany, 2013, 111, 395-407. | 1.4 | 36 |
| 1260 | Aboveground and Belowground Impacts Following Removal of the Invasive Species Baby's Breath (Gypsophila paniculata) on Lake Michigan Sand Dunes. Restoration Ecology, 2013, 21, 506-514. | 1.4 | 21 |
| 1261 | Management alters interspecific leaf trait relationships and traitâ€based species rankings in permanent meadows. Journal of Vegetation Science, 2013, 24, 239-250. | 1.1 | 22 |
| 1262 | Diversityâ€“stability relationships in plant communities of contrasting habitats. Journal of Vegetation Science, 2013, 24, 453-462. | 1.1 | 16 |
| 1263 | Host associations, biogeography, and phylogenetics of avian malaria in southern African waterfowl. Parasitology, 2013, 140, 193-201. | 0.7 | 21 |
| 1264 | Temperature and species richness effects in phytoplankton communities. Oecologia, 2013, 171, 527-536. | 0.9 | 88 |
| 1265 | Trait-dependent declines of species following conversion of rain forest to oil palm plantations. Biodiversity and Conservation, 2013, 22, 253-268. | 1.2 | 60 |
| 1266 | Role of culturally protected forests in biodiversity conservation in Southeast China. Biodiversity and Conservation, 2013, 22, 531-544. | 1.2 | 54 |
| 1267 | Extending the concept of keystone species to communities and ecosystems. Ecology Letters, 2013, 16, 1-8. | 3.0 | 114 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1268 | Distinguishing between direct and indirect effects of predators in complex ecosystems. Journal of Animal Ecology, 2013, 82, 438-448. | 1.3 | 50 |
| 1269 | Biodiversity and ecosystem stability: a synthesis of underlying mechanisms. Ecology Letters, 2013, 16, 106-115. | 3.0 | 780 |
| 1270 | Wetlands in agricultural landscapes for nitrogen attenuation and biodiversity enhancement: Opportunities and limitations. Ecological Engineering, 2013, 56, 5-13. | 1.6 | 66 |
| 1271 | The effects of nutrient addition on plant species diversity in desert grassland, Xinjiang, northwest China. Quaternary International, 2013, 298, 152-160. | 0.7 | 9 |
| 1272 | Assessment of plain river ecosystem function based on improved gray system model and analytic hierarchy process for the Fuyang River, Haihe River Basin, China. Ecological Modelling, 2013, 268, 37-47. | 1.2 | 44 |
| 1273 | Leaf litter is the main driver for changes in bacterial community structures in the rhizosphere of ash and beech. Applied Soil Ecology, 2013, 72, 150-160. | 2.1 | 45 |
| 1274 | Integrated ecosystem health assessment of a macrophyte-dominated lake. Ecological Modelling, 2013, 252, 141-152. | 1.2 | 22 |
| 1275 | Two approaches using traits to assess ecological resilience: A case study on earthworm communities. Basic and Applied Ecology, 2013, 14, 64-73. | 1.2 | 15 |
| 1276 | Robust estimation of microbial diversity in theory and in practice. ISME Journal, 2013, 7, 1092-1101. | 4.4 | 321 |
| 1277 | Temporal dynamics in the free-living bacterial community composition in the coastal North Sea. FEMS Microbiology Ecology, 2013, 83, 413-424. | 1.3 | 31 |
| 1278 | Shifts in phytoplankton species richness and biomass along a latitudinal gradient â€“ consequences for relationships between biodiversity and ecosystem functioning. Freshwater Biology, 2013, 58, 612-623. | 1.2 | 45 |
| 1279 | Biodiversity simultaneously enhances the production and stability of community biomass, but the effects are independent. Ecology, 2013, 94, 1697-1707. | 1.5 | 146 |
| 1280 | Are dispersal behaviours of earthworms related to their functional group?. Soil Biology and Biochemistry, 2013, 58, 181-187. | 4.2 | 40 |
| 1281 | Identity effects dominate the impacts of multiple species extinctions on the functioning of complex food webs. Ecology, 2013, 94, 169-179. | 1.5 | 20 |
| 1282 | Ecosystems and Spatial Patterns. , 2013, , 101-124. | | 3 |
| 1283 | Responses of Aquatic Insect Functional Diversity to Landscape Changes in Atlantic Forest. Biotropica, 2013, 45, 343-350. | 0.8 | 46 |
| 1284 | Spatial Scaling of Functional Structure in Bird and Mammal Assemblages. American Naturalist, 2013, 181, 464-478. | 1.0 | 47 |
| 1285 | Bee diversity effects on pollination depend on functional complementarity and niche shifts. Ecology, 2013, 94, 2042-2054. | 1.5 | 232 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1286 | Response diversity determines the resilience of ecosystems to environmental change. Biological Reviews, 2013, 88, 349-364. | 4.7 | 481 |
| 1287 | Loss in microbial diversity affects nitrogen cycling in soil. ISME Journal, 2013, 7, 1609-1619. | 4.4 | 603 |
| 1288 | Niche partitioning of feeding microhabitats produces a unique function for herbivorous rabbitfishes (Perciformes, Siganidae) on coral reefs. Coral Reefs, 2013, 32, 13-23. | 0.9 | 57 |
| 1290 | Exploring the ecological constraints to multiple ecosystem service delivery and biodiversity. Journal of Applied Ecology, 2013, 50, 561-571. | 1.9 | 102 |
| 1291 | A unifying approach to understanding transitional waters: Fundamental properties emerging from ecotone ecosystems. Estuarine, Coastal and Shelf Science, 2013, 132, 5-16. | 0.9 | 127 |
| 1292 | Management tradeoff between endangered species and biodiversity conservation: The case of Carabus olympiae (Coleoptera: Carabidae) and carabid diversity in north-western Italian Alps. Biological Conservation, 2013, 157, 255-265. | 1.9 | 10 |
| 1293 | Structure of the zooplankton communities in macrophytes stand of a Neotropical floodplain (the) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 0.5 | 16 |
| 1294 | Logging and forest edges reduce redundancy in plantâ€“frugivore networks in an oldâ€growth <scp>E</scp>uropean forest. Journal of Ecology, 2013, 101, 990-999. | 1.9 | 41 |
| 1295 | Impaired littoral energy pathways cause a shift to pelagic resources by fish in recovering lake food webs. Ecology of Freshwater Fish, 2013, 22, 348-360. | 0.7 | 13 |
| 1296 | Rare Species Support Vulnerable Functions in High-Diversity Ecosystems. PLoS Biology, 2013, 11, e1001569. | 2.6 | 654 |
| 1297 | Contribution of woody habitat islands to the conservation of birds and their potential ecosystem services in an extensive Colombian rangeland. Agriculture, Ecosystems and Environment, 2013, 173, 13-19. | 2.5 | 15 |
| 1298 | Epiphytes as â€œfilter-drinkersâ€• life-form changes across a fog gradient. Bryologist, 2013, 116, 34-42. | 0.1 | 27 |
| 1299 | Heavy metal pollution negatively correlates with anuran species richness and distribution in southâ€eastern <scp>A</scp>ustralia. Austral Ecology, 2013, 38, 523-533. | 0.7 | 29 |
| 1300 | Trophic complementarity drives the biodiversityâ€“ecosystem functioning relationship in food webs. Ecology Letters, 2013, 16, 853-861. | 3.0 | 141 |
| 1301 | Ontogenetic functional diversity: Size structure of a keystone predator drives functioning of a complex ecosystem. Ecology, 2013, 94, 1046-1056. | 1.5 | 103 |
| 1302 | Comparing growth and fine root distribution in monocultures and mixed plantations of hybrid poplar and spruce. Journal of Forestry Research, 2013, 24, 247-254. | 1.7 | 20 |
| 1303 | Functional diversity in root and above-ground traits in a fertile grassland shows a detrimental effect on productivity. Basic and Applied Ecology, 2013, 14, 208-216. | 1.2 | 30 |
| 1304 | Biodiversity and Pest Control Services. , 2013, , 373-385. | | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1305 | Diversity of protists and bacteria determines predation performance and stability. ISME Journal, 2013, 7, 1912-1921. | 4.4 | 93 |
| 1306 | The molecular microbial perspective of organic matter turnover and nutrient cycling in tropical agroecosystems - What do we know?. Biology and Fertility of Soils, 2013, 49, 251-262. | 2.3 | 35 |
| 1307 | Increased microbial activity and nitrogen mineralization coupled to changes in microbial community structure in the rhizosphere of Bt corn. Applied Soil Ecology, 2013, 68, 46-56. | 2.1 | 13 |
| 1308 | Identifying trade-offs between ecosystem services, land use, and biodiversity: a plea for combining scenario analysis and optimization on different spatial scales. Current Opinion in Environmental Sustainability, 2013, 5, 458-463. | 3.1 | 194 |
| 1309 | Contrasting changes in taxonomic, phylogenetic and functional diversity during a longâ€term succession: insights into assembly processes. Journal of Ecology, 2013, 101, 857-866. | 1.9 | 282 |
| 1310 | Linking traits between plants and invertebrate herbivores to track functional effects of landâ€use changes. Journal of Vegetation Science, 2013, 24, 949-962. | 1.1 | 68 |
| 1311 | Temporal stability in estuarine systems: Implications for ecosystem services provision. Ecological Indicators, 2013, 24, 246-253. | 2.6 | 19 |
| 1312 | Fertilization and plant diversity accelerate primary succession and restoration of dune communities. Plant Ecology, 2013, 214, 1419-1429. | 0.7 | 13 |
| 1313 | Disturbance, diversity and phytoplankton production in a reservoir affected by inter-basin water transfers. Hydrobiologia, 2013, 705, 9-26. | 1.0 | 18 |
| 1314 | Effects of the Conversion of Native Vegetation to Farmlands on Soil Microarthropod Biodiversity and Ecosystem Functioning in a Desert Oasis. Ecosystems, 2013, 16, 1364-1377. | 1.6 | 16 |
| 1315 | Exploring the role of transhumance drove roads on the conservation of ant diversity in Mediterranean agroecosystems. Biodiversity and Conservation, 2013, 22, 2567-2581. | 1.2 | 24 |
| 1316 | Extinction hazards in experimental Daphnia magna populations: effects of genotype diversity and environmental variation. Ecology and Evolution, 2013, 3, 233-243. | 0.8 | 16 |
| 1317 | Species richness and species identity effects on occurrence of foliar fungal pathogens in a tree diversity experiment. Ecosphere, 2013, 4, 1-12. | 1.0 | 70 |
| 1318 | Enhancing ecosystem services with no-till. Renewable Agriculture and Food Systems, 2013, 28, 102-114. | 0.8 | 67 |
| 1319 | Nature-Based Coastal Defenses: Can Biodiversity Help?. , 2013, , 451-458. | | 9 |
| 1320 | Eco-Evolutionary Dynamics of Agricultural Networks. Advances in Ecological Research, 2013, 49, 339-435. | 1.4 | 54 |
| 1321 | Do studies of functional groups give more insight to amphipod biodiversity?. Crustaceana, 2013, 86, 955-1006. | 0.1 | 15 |
| 1322 | Forest Age and Plant Species Composition Determine the Soil Fungal Community Composition in a Chinese Subtropical Forest. PLoS ONE, 2013, 8, e66829. | 1.1 | 53 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1323 | Identifying and characterizing demersal fish biodiversity hotspots in the Benguela Current Large Marine Ecosystem: relevance in the light of global changes. ICES Journal of Marine Science, 2013, 70, 943-954. | 1.2 | 17 |
| 1324 | Up Against The Wall: The Effects of Climate Warming on Soil Microbial Diversity and The Potential for Feedbacks to The Carbon Cycle. Diversity, 2013, 5, 409-425. | 0.7 | 31 |
| 1325 | Rainfall and temperature variation does not explain arid species diversity in outback Australia. Research and Reports in Biodiversity Studies, 0, , 1. | 0.0 | 5 |
| 1326 | Symbiotic specificity, association patterns, and function determine community responses to global changes: defining critical research areas for coralâ€Symbiodinium symbioses. Global Change Biology, 2013, 19, 3306-3316. | 4.2 | 66 |
| 1327 | Rivers, time and conservation, especially in developing countries. Aquatic Conservation: Marine and Freshwater Ecosystems, 2013, 23, 184-188. | 0.9 | 6 |
| 1328 | The Human Rights Framework in Contemporary Agrarian Struggles. Journal of Peasant Studies, 2013, 40, 239-290. | 3.0 | 61 |
| 1329 | Consumer diversity across kingdoms supports multiple functions in a coastal ecosystem. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20621-20626. | 3.3 | 50 |
| 1330 | The Impact of Seed Mix Weight on Diversity and Species Composition in a Tallgrass Prairie Restoration Planting, Nachusa Grasslands, Illinois, USA. Ecological Restoration, 2013, 31, 154-167. | 0.6 | 17 |
| 1331 | Assessment of the probability of colonization of local spider communities in an experimental landscape. Journal of Arachnology, 2013, 41, 160-167. | 0.3 | 4 |
| 1332 | Differences in fine root traits between early and late-successional tree species in a Chinese subtropical forest. Forestry, 2013, 86, 343-351. | 1.2 | 26 |
| 1333 | Plant density affects measures of biodiversity effects. Journal of Plant Ecology, 2013, 6, 1-11. | 1.2 | 32 |
| 1335 | The conservation of coastal biodiversity. , 2014, , 1-12. | | 3 |
| 1336 | Estimating benthic secondary production from aquatic insect emergence in streams affected by mountaintop removal coal mining, West Virginia, USA. Fundamental and Applied Limnology, 2013, 182, 191-204. | 0.4 | 16 |
| 1338 | What Does Productivity Really Mean? Towards an Integrative Paradigm in the Search for Biodiversity-Productivity Relationships. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2013, 41, 36. | 0.5 | 1 |
| 1339 | Positive Plant Diversity-Soil Stability Relationships are Mediated through Roots in the Songnen Grassland: Chronosequence Evidence. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2013, 41, 626. | 0.5 | 6 |
| 1340 | The Jena Diversity-Dynamic Global Vegetation Model (JeDi-DGVM): a diverse approach to representing terrestrial biogeography and biogeochemistry based on plant functional trade-offs. Biogeosciences, 2013, 10, 4137-4177. | 1.3 | 162 |
| 1341 | Influences of species mixture on biomass of Masson pine (Pinus massoniana Lamb) forests. Genetics and Molecular Research, 2013, 12, 3742-3749. | 0.3 | 2 |
| 1342 | Disentangling Biodiversity and Climatic Determinants of Wood Production. PLoS ONE, 2013, 8, e53530. | 1.1 | 202 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1343 | Relating Remotely Sensed Optical Variability to Marine Benthic Biodiversity. PLoS ONE, 2013, 8, e55624. | 1.1 | 22 |
| 1344 | The Role of Propagule Pressure, Genetic Diversity and Microsite Availability for Senecio vernalis Invasion. PLoS ONE, 2013, 8, e57029. | 1.1 | 18 |
| 1345 | Using Species-Area Relationships to Inform Baseline Conservation Targets for the Deep North East Atlantic. PLoS ONE, 2013, 8, e58941. | 1.1 | 18 |
| 1346 | Soil Environmental Conditions and Microbial Build-Up Mediate the Effect of Plant Diversity on Soil Nitrifying and Denitrifying Enzyme Activities in Temperate Grasslands. PLoS ONE, 2013, 8, e61069. | 1.1 | 78 |
| 1347 | Factors Determining Forest Diversity and Biomass on a Tropical Volcano, Mt. Rinjani, Lombok, Indonesia. PLoS ONE, 2013, 8, e67720. | 1.1 | 25 |
| 1348 | Variable Effects of Dispersal on Productivity of Bacterial Communities Due to Changes in Functional Trait Composition. PLoS ONE, 2013, 8, e80825. | 1.1 | 20 |
| 1349 | Coupled high-throughput functional screening and next generation sequencing for identification of plant polymer decomposing enzymes in metagenomic libraries. Frontiers in Microbiology, 2013, 4, 282. | 1.5 | 44 |
| 1350 | Mass Extinctions and the Structure and Function of Ecosystems. The Paleontological Society Papers, 2013, 19, 115-156. | 0.8 | 10 |
| 1351 | RESTORATION OF BIODIVERSITY AND ECOSYSTEM. American Journal of Engineering and Applied Sciences, 2013, 6, 69-86. | 0.3 | 1 |
| 1352 | Weed seed-bank responses to long-term fertilization in a rice-wheat rotation system. Plant, Soil and Environment, 2014, 60, 344-350. | 1.0 | 8 |
| 1353 | Contributions of Understory and/or Overstory Vegetations to Soil Microbial PLFA and Nematode Diversities in Eucalyptus Monocultures. PLoS ONE, 2014, 9, e85513. | 1.1 | 18 |
| 1354 | The Nature of Impulsivity: Visual Exposure to Natural Environments Decreases Impulsive Decision-Making in a Delay Discounting Task. PLoS ONE, 2014, 9, e97915. | 1.1 | 72 |
| 1355 | Shining Light on Benthic Macroalgae: Mechanisms of Complementarity in Layered Macroalgal Assemblages. PLoS ONE, 2014, 9, e114146. | 1.1 | 35 |
| 1356 | The Role of Species Traits in Mediating Functional Recovery during Matrix Restoration. PLoS ONE, 2014, 9, e115385. | 1.1 | 18 |
| 1357 | Axillary Bud Proliferation Approach for Plant Biodiversity Conservation and Restoration. International Journal of Biodiversity, 2014, 2014, 1-9. | 0.7 | 16 |
| 1358 | Ecosystem function and services provided by the deep sea. Biogeosciences, 2014, 11, 3941-3963. | 1.3 | 293 |
| 1359 | Soil fauna and soil functions: a jigsaw puzzle. Frontiers in Environmental Science, 2014, 2, . | 1.5 | 153 |
| 1360 | Water Content Differences Have Stronger Effects than Plant Functional Groups on Soil Bacteria in a Steppe Ecosystem. PLoS ONE, 2014, 9, e115798. | 1.1 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1361 | Plant functional groups: scientometric analysis focused on removal experimentsPlant functional groups: scientometric analysis focused on removal experiments. Acta Botanica Brasilica, 2014, 28, 502-511. | 0.8 | 7 |
| 1362 | Physiological effects of environmental acidification in the deep-sea urchin <i>Strongylocentrotus fragilis</i>. Biogeosciences, 2014, 11, 1413-1423. | 1.3 | 27 |
| 1363 | Macroinvertebrate biodiversity patterns during primary succession in manmade ponds in north-eastern Spain. Journal of Limnology, 2014, 73, . | 0.3 | 10 |
| 1364 | The four pillars of scholarly publishing: The future and a foundation. Ideas in Ecology and Evolution, 0, 7, . | 0.1 | 6 |
| 1365 | Ecogeomorphic feedbacks and flood loss of riparian tree seedlings in meandering channel experiments. Water Resources Research, 2014, 50, 9366-9384. | 1.7 | 50 |
| 1366 | High lifetime inbreeding depression counteracts the reproductive assurance benefit of selfing in a mass-flowering shrub. BMC Evolutionary Biology, 2014, 14, 243. | 3.2 | 31 |
| 1367 | Herbage production and species richness in sub-alpine grasslands of different soil parent material in Northern Greece. Journal of Mountain Science, 2014, 11, 1579-1592. | 0.8 | 8 |
| 1369 | Plant species richness and shrub cover attenuate drought effects on ecosystem functioning across Patagonian rangelands. Biology Letters, 2014, 10, 20140673. | 1.0 | 24 |
| 1370 | Revisiting spatial scale in the productivityâ€“species richness relationship: fundamental issues and global change implications. AoB PLANTS, 2014, 6, . | 1.2 | 10 |
| 1371 | Relationships between the psychiatric drug carbamazepine and freshwater macroinvertebrate community structure. Science of the Total Environment, 2014, 496, 499-509. | 3.9 | 22 |
| 1372 | The effects of elevated CO2 concentration on competitive interaction between aceticlastic and syntrophic methanogenesis in a model microbial consortium. Frontiers in Microbiology, 2014, 5, 575. | 1.5 | 23 |
| 1373 | Loss of diversity in wood-inhabiting fungal communities affects decomposition activity in Norway spruce wood. Frontiers in Microbiology, 2014, 5, 230. | 1.5 | 28 |
| 1374 | On the Front Line: Quantitative Virus Dynamics in Honeybee (Apis mellifera L.) Colonies along a New Expansion Front of the Parasite Varroa destructor. PLoS Pathogens, 2014, 10, e1004323. | 2.1 | 195 |
| 1375 | Analysing the 'biodiversity' of open source ecosystems: the GitHub case. , 2014, , . | | 10 |
| 1376 | Is the relationship between algal diversity and biomass in North American lakes consistent with biodiversity experiments?. Oikos, 2014, 123, 267-278. | 1.2 | 28 |
| 1377 | Functional traits composition predict macrophytes community productivity along a water depth gradient in a freshwater lake. Ecology and Evolution, 2014, 4, 1516-1523. | 0.8 | 71 |
| 1378 | Community assembly effects shape the biodiversityâ€ecosystem functioning relationships. Functional Ecology, 2014, 28, 1523-1533. | 1.7 | 24 |
| 1379 | Poor historical data drive conservation complacency: The case of mammal decline in south-eastern Australian forests. Austral Ecology, 2014, 39, 875-886. | 0.7 | 33 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1380 | No effect of seed source on multiple aspects of ecosystem functioning during ecological restoration: cultivars compared to local ecotypes of dominant grasses. Evolutionary Applications, 2014, 7, 323-335. | 1.5 | 33 |
| 1381 | Alpha and Beta Diversity of Lepidoptera in Eucalyptus Plantations in the Amazonian Region of Brazil. Florida Entomologist, 2014, 97, 138-145. | 0.2 | 2 |
| 1382 | Integrated assessment models for ecologists: the present and the future. Global Ecology and Biogeography, 2014, 23, 124-143. | 2.7 | 52 |
| 1383 | Synthetic microbial ecosystems: an exciting tool to understand and apply microbial communities. Environmental Microbiology, 2014, 16, 1472-1481. | 1.8 | 222 |
| 1384 | Traitâ€based community assembly of aquatic macrophytes along a water depth gradient in a freshwater lake. Freshwater Biology, 2014, 59, 2462-2471. | 1.2 | 73 |
| 1385 | The role of zooplankton communities in carbon recycling in the Ocean: the case of the Southern Ocean. Journal of Plankton Research, 2014, 36, 1543-1556. | 0.8 | 17 |
| 1386 | A metaâ€analysis of declines in local species richness from human disturbances. Ecology and Evolution, 2014, 4, 91-103. | 0.8 | 246 |
| 1387 | Interactive effects of landscape history and current management on dispersal trait diversity in grassland plant communities. Journal of Ecology, 2014, 102, 437-446. | 1.9 | 28 |
| 1388 | Middle Ground: Uniting City, Farm, and Nature with Diverse Agroecosystems. American Journal of Economics and Sociology, 2014, 73, 1007-1134. | 0.5 | 2 |
| 1389 | Trophicâ€level dependent effects on CO<sub>2</sub> emissions from experimental stream ecosystems. Global Change Biology, 2014, 20, 3386-3396. | 4.2 | 18 |
| 1390 | Pyrosequencing reveals regional differences in fruitâ€associated fungal communities. Environmental Microbiology, 2014, 16, 2848-2858. | 1.8 | 143 |
| 1391 | The European functional tree of bird life in the face of global change. Nature Communications, 2014, 5, 3118. | 5.8 | 52 |
| 1392 | The interacting effects of diversity and propagule pressure on early colonization and population size. Journal of Animal Ecology, 2014, 83, 168-175. | 1.3 | 15 |
| 1393 | Spatial and temporal variability in species richness in a temperate intertidal community. Ecography, 2014, 37, 183-190. | 2.1 | 20 |
| 1394 | Environmental risk assessment for plant pests: A procedure to evaluate their impacts on ecosystem services. Science of the Total Environment, 2014, 468-469, 475-486. | 3.9 | 37 |
| 1395 | Response of the methanogenic microbial communities in <scp>A</scp>mazonian oxbow lake sediments to desiccation stress. Environmental Microbiology, 2014, 16, 1682-1694. | 1.8 | 60 |
| 1396 | Mesozooplankton size structure in response to environmental conditions in the East China Sea: How much does size spectra theory fit empirical data of a dynamic coastal area?. Progress in Oceanography, 2014, 121, 141-157. | 1.5 | 52 |
| 1397 | Coastal impact ranking of small islands for conservation, restoration and tourism development: A case study of The Bahamas. Ocean and Coastal Management, 2014, 91, 88-101. | 2.0 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1398 | Landâ€use impacts on plantâ€“pollinator networks: interaction strength and specialization predict pollinator declines. Ecology, 2014, 95, 466-474. | 1.5 | 150 |
| 1399 | The contribution of rare species to coastal phytoplankton assemblages. Marine Ecology, 2014, 35, 132-145. | 0.4 | 6 |
| 1400 | A comparison of carbon and nitrogen stocks among land uses/covers in coastal Florida. Urban Ecosystems, 2014, 17, 255-276. | 1.1 | 15 |
| 1401 | No plant functional diversity effects on foliar fungal pathogens in experimental tree communities. Fungal Diversity, 2014, 66, 139-151. | 4.7 | 41 |
| 1402 | Competitive displacement alters top-down effects on carbon dioxide concentrations in a freshwater ecosystem. Oecologia, 2014, 175, 353-361. | 0.9 | 30 |
| 1403 | Agricultural mosaics maintain significant flower and visiting insect biodiversity in a global hotspot. Biodiversity and Conservation, 2014, 23, 133-148. | 1.2 | 26 |
| 1404 | How hydroperiod and species richness affect the balance of resource flows across aquatic-terrestrial habitats. Aquatic Sciences, 2014, 76, 131-143. | 0.6 | 38 |
| 1405 | Opposing patterns of zooplankton diversity and functioning along a natural stress gradient: when the going gets tough, the tough get going. Oikos, 2014, 123, 461-471. | 1.2 | 54 |
| 1406 | Stability of soil microbial structure and activity depends on microbial diversity. Environmental Microbiology Reports, 2014, 6, 173-183. | 1.0 | 135 |
| 1407 | Evolution of the Cancer Stem Cell Model. Cell Stem Cell, 2014, 14, 275-291. | 5.2 | 1,825 |
| 1408 | Eutrophication weakens stabilizing effects of diversity in natural grasslands. Nature, 2014, 508, 521-525. | 13.7 | 409 |
| 1409 | Measuring and explaining largeâ€scale distribution of functional and phylogenetic diversity in birds: separating ecological drivers from methodological choices. Global Ecology and Biogeography, 2014, 23, 669-678. | 2.7 | 44 |
| 1410 | Multivariate control of root biomass in a semi-arid grassland on the Loess Plateau, China. Plant and Soil, 2014, 379, 315-324. | 1.8 | 8 |
| 1411 | Ecosystem Complexity Through the Lens of Logical Depth: Capturing Ecosystem Individuality. Biological Theory, 2014, 9, 440-451. | 0.8 | 9 |
| 1412 | Standing fine root mass and production in four Chinese subtropical forests along a succession and species diversity gradient. Plant and Soil, 2014, 376, 445-459. | 1.8 | 69 |
| 1413 | Reciprocal causality between marine macroalgal diversity and productivity in an upwelling area. Oikos, 2014, 123, 630-640. | 1.2 | 13 |
| 1414 | Are fire, soil fertility and toxicity, water availability, plant functional diversity, and litter decomposition related in a Neotropical savanna?. Oecologia, 2014, 175, 923-935. | 0.9 | 20 |
| 1415 | Endemism and functional convergence across the North American soil mycobiome. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6341-6346. | 3.3 | 482 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1416 | Accounting for Multiple Foundation Species in Oyster Reef Restoration Benefits. Restoration Ecology, 2014, 22, 517-524. | 1.4 | 30 |
| 1417 | The winners and losers of land use intensification: pollinator community disassembly is nonâ€random and alters functional diversity. Diversity and Distributions, 2014, 20, 908-917. | 1.9 | 138 |
| 1418 | Biodiversityâ€“productivity relationship in ponds: Community and metacommunity patterns along time and environmental gradients. Austral Ecology, 2014, 39, 808-818. | 0.7 | 11 |
| 1419 | Ecosystem stability in space: Î±, Î² and Î³ variability. Ecology Letters, 2014, 17, 891-901. | 3.0 | 200 |
| 1420 | Does biodiversity make a difference? Relationships between species richness, evolutionary diversity, and aboveground live tree biomass across U.S. forests. Forest Ecology and Management, 2014, 321, 117-129. | 1.4 | 98 |
| 1421 | Contrasting elevational diversity patterns between eukaryotic soil microbes and plants. Ecology, 2014, 95, 3190-3202. | 1.5 | 174 |
| 1422 | Biotic mechanisms of community stability shift along a precipitation gradient. Ecology, 2014, 95, 1693-1700. | 1.5 | 161 |
| 1423 | Diversity increases carbon storage and tree productivity in <scp>S</scp>panish forests. Global Ecology and Biogeography, 2014, 23, 311-322. | 2.7 | 237 |
| 1424 | Exploring QSTR modeling and toxicophore mapping for identification of important molecular features contributing to the chemical toxicity in Escherichia coli. Toxicology in Vitro, 2014, 28, 265-272. | 1.1 | 7 |
| 1425 | Massive floral display affects insect visits but not pollinatorâ€mediated pollen transfer in <scp>R</scp>hododendron ferrugineum. Plant Biology, 2014, 16, 234-243. | 1.8 | 16 |
| 1426 | Linking biodiversity indicators, ecosystem functioning, provision of services and human well-being in estuarine systems: Application of a conceptual framework. Ecological Indicators, 2014, 36, 644-655. | 2.6 | 85 |
| 1427 | Trophic resource use by macrozoobenthic primary consumers within a semi-enclosed coastal ecosystem: Stable isotope and fatty acid assessment. Journal of Sea Research, 2014, 88, 87-99. | 0.6 | 29 |
| 1428 | Mapping the human footprint from satellite measurements in Japan. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 88, 80-90. | 4.9 | 21 |
| 1429 | Biodiversity and human health: evidence for causality?. Biodiversity and Conservation, 2014, 23, 267-288. | 1.2 | 61 |
| 1431 | Molecular Mechanism of Benign Microbe-Elicited Alleviation of Biotic and Abiotic Stresses for Plants. , 2014, , 281-295. | | 14 |
| 1432 | A cross-continental comparison of stream invertebrate community assembly to assess convergence in forested headwater streams. Aquatic Sciences, 2014, 76, 29-40. | 0.6 | 12 |
| 1433 | Implications of agricultural transitions and urbanization for ecosystem services. Nature, 2014, 515, 50-57. | 13.7 | 402 |
| 1434 | Temporal stability in forest productivity increases with tree diversity due to asynchrony in species dynamics. Ecology Letters, 2014, 17, 1526-1535. | 3.0 | 163 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1435 | Spatial patterns of microbial diversity and activity in an aged creosote-contaminated site. ISME Journal, 2014, 8, 2131-2142. | 4.4 | 99 |
| 1436 | Diversity matters: how bees benefit from different resin sources. Oecologia, 2014, 176, 943-953. | 0.9 | 53 |
| 1437 | Biodiversity and Ecosystem Functioning. Annual Review of Ecology, Evolution, and Systematics, 2014, 45, 471-493. | 3.8 | 1,311 |
| 1438 | Protecting the Commons: the use of Subtidal Ecosystem Engineers in Marine Management. Aquatic Conservation: Marine and Freshwater Ecosystems, 2014, 24, 275-286. | 0.9 | 30 |
| 1439 | Plant diversity effects on the water balance of an experimental grassland. Ecohydrology, 2014, 7, 1378-1391. | 1.1 | 20 |
| 1440 | Soil microbial biomass carbon and nitrogen in pure and mixed stands of Pinus massoniana and Cinnamomum camphora differing in stand age. Forest Ecology and Management, 2014, 328, 150-158. | 1.4 | 63 |
| 1441 | Quantifying functional diversity in pre- and post-extinction paleocommunities: A test of ecological restructuring after the end-Permian mass extinction. Earth-Science Reviews, 2014, 136, 339-349. | 4.0 | 41 |
| 1442 | Potential of legumeâ€based grasslandâ€“livestock systems in Europe: a review. Grass and Forage Science, 2014, 69, 206-228. | 1.2 | 433 |
| 1443 | What drives plant species diversity? A global distributed test of the unimodal relationship between herbaceous species richness and plant biomass. Journal of Vegetation Science, 2014, 25, 1160-1166. | 1.1 | 23 |
| 1444 | Biodiversity conservation in agriculture requires a multi-scale approach. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141358. | 1.2 | 232 |
| 1445 | Competition for light and water play contrasting roles in driving diversityâ€“productivity relationships in Iberian forests. Journal of Ecology, 2014, 102, 1202-1213. | 1.9 | 174 |
| 1446 | Tree diversity does not always improve resistance of forest ecosystems to drought. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14812-14815. | 3.3 | 228 |
| 1447 | Exploring the rhizospheric and endophytic bacterial communities of Acer pseudoplatanus growing on a TNT-contaminated soil: towards the development of a rhizocompetent TNT-detoxifying plant growth promoting consortium. Plant and Soil, 2014, 385, 15-36. | 1.8 | 54 |
| 1448 | Experimental evaluation of diversityâ€“productivity relationships in a coral reef fish assemblage. Oecologia, 2014, 176, 237-249. | 0.9 | 6 |
| 1449 | Biodiversity and ecosystem services: lessons from nature to improve management of planted forests for REDD-plus. Biodiversity and Conservation, 2014, 23, 2613-2635. | 1.2 | 51 |
| 1450 | Augmenting flower trait diversity in wildflower strips to optimise the conservation of arthropod functional groups for multiple agroecosystem services. Journal of Insect Conservation, 2014, 18, 713-728. | 0.8 | 104 |
| 1451 | Ecological fidelity of functional traits based on species presence-absence in a modern mammalian bone assemblage (Amboseli, Kenya). Paleobiology, 2014, 40, 560-583. | 1.3 | 51 |
| 1452 | Big game or big loss? High deer densities are threatening woody plant diversity and vegetation dynamics. Biodiversity and Conservation, 2014, 23, 1303-1318. | 1.2 | 81 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1453 | Biodiversity effects on nitrate concentrations in soil solution: a Bayesian model. Biogeochemistry, 2014, 118, 141-157. | 1.7 | 12 |
| 1454 | Ecological mitigation of hillslope instability: ten key issues facing researchers and practitioners. Plant and Soil, 2014, 377, 1-23. | 1.8 | 258 |
| 1455 | Soil substrate utilization pattern and relation of functional evenness of plant groups and soil microbial community in five low mountain NATURA 2000. Plant and Soil, 2014, 383, 275-289. | 1.8 | 16 |
| 1456 | Land use change alters functional gene diversity, composition and abundance in Amazon forest soil microbial communities. Molecular Ecology, 2014, 23, 2988-2999. | 2.0 | 152 |
| 1457 | Agroecosystem resilience to an invasive insect species that could expand its geographical range in response to global climate change. Agriculture, Ecosystems and Environment, 2014, 186, 54-63. | 2.5 | 37 |
| 1458 | Modeling the links between biodiversity, ecosystem services and human wellbeing in the context of climate change: Results from an econometric analysis of the European forest ecosystems. Ecological Economics, 2014, 97, 60-73. | 2.9 | 23 |
| 1459 | Progress in the 21st century: a Roadmap for the Ecological Society of Japan. Ecological Research, 2014, 29, 357-368. | 0.7 | 6 |
| 1460 | Pattern of functional diversity along an altitudinal gradient in the Baihua Mountain Reserve of Beijing, China. Revista Brasileira De Botanica, 2014, 37, 37-45. | 0.5 | 17 |
| 1461 | High vulnerability of ecosystem function and services to diversity loss in Caribbean coral reefs. Biological Conservation, 2014, 171, 186-194. | 1.9 | 100 |
| 1462 | Interactions and competition processes among tree species in young experimental mixed forests, assessed with chlorophyll fluorescence and leaf morphology. Plant Biology, 2014, 16, 323-331. | 1.8 | 33 |
| 1463 | Functional attributes change but functional richness is unchanged after fragmentation of Brazilian Atlantic forests. Journal of Ecology, 2014, 102, 475-485. | 1.9 | 136 |
| 1464 | Patterns and Controls of Terrestrial Primary Production in a Changing World. , 2014, , 205-246. | | 9 |
| 1465 | Decomposition rate of carrion is dependent on composition not abundance of the assemblages of insect scavengers. Oecologia, 2014, 175, 1291-1300. | 0.9 | 40 |
| 1466 | EXPERIMENTAL EVOLUTION OF AN EMERGING PLANT VIRUS IN HOST GENOTYPES THAT DIFFER IN THEIR SUSCEPTIBILITY TO INFECTION. Evolution; International Journal of Organic Evolution, 2014, 68, 2467-2480. | 1.1 | 43 |
| 1467 | Coflowering Community Context Influences Female Fitness and Alters the Adaptive Value of Flower Longevity inMimulus guttatus. American Naturalist, 2014, 183, E50-E63. | 1.0 | 36 |
| 1468 | Urban greenspace composition and landscape context influence natural enemy community composition and function. Biological Control, 2014, 75, 58-67. | 1.4 | 95 |
| 1469 | Integrated assessment of ecosystem services in the Czech Republic. Ecosystem Services, 2014, 8, 110-117. | 2.3 | 111 |
| 1470 | The effect of predation pressure and predator adaptive foraging on the relative importance of consumptive and nonâ€consumptive predator net effects in a freshwater model system. Oikos, 2014, 123, 705-713. | 1.2 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1471 | Contribution of Predator Identity to the Suppression of Herbivores by a Diverse Predator Assemblage. Environmental Entomology, 2014, 43, 569-576. | 0.7 | 28 |
| 1472 | Simulated geologic carbon storage leak reduces bacterial richness and alters bacterial community composition in surface soil. Soil Biology and Biochemistry, 2014, 76, 286-296. | 4.2 | 11 |
| 1473 | Evaluation of ecosystem responses to land-use change using soil quality and primary productivity in a semi-arid area, Israel. Agriculture, Ecosystems and Environment, 2014, 193, 9-24. | 2.5 | 94 |
| 1474 | Effects of mixing clones on hybrid poplar productivity, photosynthesis and root development in northeastern Canadian plantations. Forest Ecology and Management, 2014, 327, 157-166. | 1.4 | 12 |
| 1475 | Species associations during the succession of wood-inhabiting fungal communities. Fungal Ecology, 2014, 11, 17-28. | 0.7 | 91 |
| 1476 | The unintended consequences of simplifying the sea: making the case for complexity. Fish and Fisheries, 2014, 15, 690-711. | 2.7 | 53 |
| 1477 | Variability and temporal stability of communities in estuaries (Mlalazi and Mpenjati, South Africa). Marine Ecology - Progress Series, 2014, 500, 11-24. | 0.9 | 4 |
| 1478 | Functional diversity of the Barents Sea fish community. Marine Ecology - Progress Series, 2014, 495, 205-218. | 0.9 | 53 |
| 1479 | Climate change effects on northern Great Lake (USA) forests: A case for preserving diversity. Ecosphere, 2014, 5, 1-26. | 1.0 | 66 |
| 1480 | Economic analysis for ecosystem service assessments. , 2014, , . | | 0 |
| 1481 | The functional role of biodiversity in the context of global change. , 2014, , 195-238. | | 67 |
| 1482 | Biotic and abiotic predictors of ecosystem engineering traits of the dune building grass, Ammophila breviligulata. Ecosphere, 2014, 5, 1-18. | 1.0 | 22 |
| 1485 | The Ecosystem Roles of Parrotfishes on Tropical Reefs. , 2014, , 81-132. | | 110 |
| 1486 | Tree species partition N uptake by soil depth in boreal forests. Ecology, 2014, 95, 1127-1133. | 1.5 | 49 |
| 1487 | Reef flattening effects on total richness and species responses in the <scp>C</scp>aribbean. Journal of Animal Ecology, 2015, 84, 1678-1689. | 1.3 | 74 |
| 1488 | Indices for assessing coral reef fish biodiversity: the need for a change in habits. Ecology and Evolution, 2015, 5, 4018-4027. | 0.8 | 19 |
| 1489 | Early subtropical forest growth is driven by community mean trait values and functional diversity rather than the abiotic environment. Ecology and Evolution, 2015, 5, 3541-3556. | 0.8 | 45 |
| 1490 | Dynamics of novel forests of <scp>C</scp>astilla elastica in <scp>P</scp>uerto <scp>R</scp>ico: from species to ecosystems. Ecology and Evolution, 2015, 5, 3299-3311. | 0.8 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1491 | Assessing the resilience of global seasonally dry tropical forests. International Forestry Review, 2015, 17, 91-113. | 0.3 | 33 |
| 1492 | Functional identity explains carbon sequestration in a 77-year-old experimental tropical plantation. Ecosphere, 2015, 6, art198. | 1.0 | 15 |
| 1493 | Exploring Life Forms for Linking Orthopteran Assemblage and Grassland Plant Community. Hacquetia, 2015, 14, 33-42. | 0.2 | 9 |
| 1494 | The role of species diversity in bottom-up and top-down interactions. , 0, , 318-339. | | 1 |
| 1495 | Bottom-up and top-down interactions across ecosystems in an era of global change. , 2015, , 365-406. | | 1 |
| 1496 | Pollution: effects of chemical contaminants and debris. , 2015, , 244-273. | | 3 |
| 1497 | Effects of viruses on bacterial functions under contrasting nutritional conditions for four species of bacteria isolated from Hong Kong waters. Scientific Reports, 2015, 5, 14217. | 1.6 | 14 |
| 1499 | Impacts of burrows and mounds formed by plateau rodents on plant species diversity on the Qinghai-Tibetan Plateau. Rangeland Journal, 2015, 37, 117. | 0.4 | 27 |
| 1500 | Fish-seastar facilitation leads to algal forest restoration on protected rocky reefs. Scientific Reports, 2015, 5, 12409. | 1.6 | 19 |
| 1501 | Gap formation following climatic events in spatially structured plant communities. Scientific Reports, 2015, 5, 11721. | 1.6 | 3 |
| 1502 | Large-scale forest inventories of the United States and China reveal positive effects of biodiversity on productivity. Forest Ecosystems, 2015, 2, . | 1.3 | 11 |
| 1503 | Seafloor Ecosystem Function Relationships: In Situ Patterns of Change Across Gradients of Increasing Hypoxic Stress. Ecosystems, 2015, 18, 1424-1439. | 1.6 | 44 |
| 1504 | Non-additive effects of species mixing on litter mass loss and chemical properties in a Mongolian pine plantation of Northeast China. Plant and Soil, 2015, 396, 339-351. | 1.8 | 18 |
| 1505 | Trace element and temperature effects on microbial communities and links to biogas digester performance at high ammonia levels. Biotechnology for Biofuels, 2015, 8, 154. | 6.2 | 94 |
| 1506 | Pollen diversity captures landscape structure and diversity. Journal of Ecology, 2015, 103, 880-890. | 1.9 | 80 |
| 1507 | Consistent effects of consumer species loss across different habitats. Oikos, 2015, 124, 1555-1563. | 1.2 | 10 |
| 1509 | Changes in bacterial community structure associated with phytoplankton succession in outdoor experimental ponds. Plankton and Benthos Research, 2015, 10, 34-44. | 0.2 | 2 |
| 1510 | Early rhizosphere microbiome composition is related to the growth and <scp><scp>Zn</scp></scp> uptake of willows introduced to a former landfill. Environmental Microbiology, 2015, 17, 3025-3038. | 1.8 | 61 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1511 | Spatial ecology of coastal Atlantic cod Gadus morhua associated with parasite load. Journal of Fish Biology, 2015, 87, 449-464. | 0.7 | 12 |
| 1512 | Enhanced interannual precipitation variability increases plant functional diversity that in turn ameliorates negative impact on productivity. Ecology Letters, 2015, 18, 1293-1300. | 3.0 | 109 |
| 1513 | Avian species identity drives predation success in tropical cacao agroforestry. Journal of Applied Ecology, 2015, 52, 735-743. | 1.9 | 74 |
| 1514 | Impacts of grazing by different large herbivores in grassland depend on plant species diversity. Journal of Applied Ecology, 2015, 52, 1053-1062. | 1.9 | 145 |
| 1515 | Frontiers in realâ€time ecohydrology â€“ a paradigm shift in understanding complex environmental systems. Ecohydrology, 2015, 8, 529-537. | 1.1 | 49 |
| 1516 | Optimization of bioretention systems through application of ecological theory. Wiley Interdisciplinary Reviews: Water, 2015, 2, 259-270. | 2.8 | 29 |
| 1517 | Climateâ€suitable planting as a strategy for maintaining forest productivity and functional diversity. Ecological Applications, 2015, 25, 1653-1668. | 1.8 | 58 |
| 1518 | Enhanced salinities, as a proxy of seawater desalination discharges, impact coastal microbial communities of the eastern <scp>M</scp>editerranean <scp>S</scp>ea. Environmental Microbiology, 2015, 17, 4105-4120. | 1.8 | 33 |
| 1519 | Modern Threats to the Stability of Biological Communities. , 2015, , . | | 0 |
| 1521 | 4. Monitoring REDD+ Impacts: Cross Scale Coordination And Interdisciplinary Integration. , 2015, , 55-79. | | 4 |
| 1522 | Space and Species. Business School Exemplifications. International Journal of Social Science Research, 2015, 4, 26. | 0.1 | 0 |
| 1523 | Impacts of artificial reservoirs on floristic diversity and plant functional traits in dry forests after 15 years. Brazilian Journal of Biology, 2015, 75, 548-557. | 0.4 | 1 |
| 1524 | Biodiversity and Ecosystem Functioning in Tropical Habitats â€" Case Studies and Future Perspectives in Atlantic Rainforest and Cerrado Landscapes. , 0, , . | | 1 |
| 1525 | Effects of Metacommunity Networks on Local Community Structures. , 2015, , 75-111. | | 24 |
| 1526 | Ecosystem services in relation to carbon cycle of Asansolâ€"Durgapur urban system, India. Developments in Environmental Modelling, 2015, 27, 247-269. | 0.3 | 2 |
| 1527 | Organic amendments as sustainable tool to recovery fertility in intensive agricultural systems. Journal of Soil Science and Plant Nutrition, 2015, , 0-0. | 1.7 | 97 |
| 1528 | Scale-Dependence of Processes Structuring Dung Beetle Metacommunities Using Functional Diversity and Community Deconstruction Approaches. PLoS ONE, 2015, 10, e0123030. | 1.1 | 39 |
| 1529 | Suitable Days for Plant Growth Disappear under Projected Climate Change: Potential Human and Biotic Vulnerability. PLoS Biology, 2015, 13, e1002167. | 2.6 | 73 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1530 | The Importance of Landscape Elements for Bat Activity and Species Richness in Agricultural Areas. PLoS ONE, 2015, 10, e0134443. | 1.1 | 67 |
| 1531 | Population Genomics of the Euryhaline Teleost Poecilia latipinna. PLoS ONE, 2015, 10, e0137077. | 1.1 | 19 |
| 1532 | Functional Trait Changes, Productivity Shifts and Vegetation Stability in Mountain Grasslands during a Short-Term Warming. PLoS ONE, 2015, 10, e0141899. | 1.1 | 31 |
| 1533 | Parental Effect of Long Acclimatization on Thermal Tolerance of Juvenile Sea Cucumber Apostichopus japonicus. PLoS ONE, 2015, 10, e0143372. | 1.1 | 18 |
| 1534 | A comparison of biodiversityâ€“ecosystem function relationships in alpine grasslands across a degradation gradient on the Qinghaiâ€“Tibetan Plateau. Rangeland Journal, 2015, 37, 45. | 0.4 | 43 |
| 1535 | Harnessing phytomicrobiome signaling for rhizosphere microbiome engineering. Frontiers in Plant Science, 2015, 6, 507. | 1.7 | 176 |
| 1536 | Inter-organismal signaling and management of the phytomicrobiome. Frontiers in Plant Science, 2015, 6, 722. | 1.7 | 72 |
| 1537 | Limited Functional Redundancy and Lack ofÂResilience in Coral Reefs toÂHuman Stressors. , 2015, , 115-126. | | 1 |
| 1538 | Partitioning the impact of environment and spatial structure on alpha and beta components of taxonomic, functional, and phylogenetic diversity in European ants. PeerJ, 2015, 3, e1241. | 0.9 | 78 |
| 1539 | Relationships between Plant Biodiversity and Soil Fertility in a Mature Tropical Forest, Costa Rica. International Journal of Forestry Research, 2015, 2015, 1-13. | 0.2 | 20 |
| 1540 | Patrones de urbanizaciÃ³n en la biodiversidad de humedales urbanos en ConcepciÃ³n metropolitano. Revista De Geografia Norte Grande, 2015, , 181-204. | 0.1 | 16 |
| 1541 | Ecological Knowledge: Foundation for Sustainable Organic Agriculture. Agronomy, 0, , 19-47. | 0.2 | 7 |
| 1542 | Long-Term Changes in the Water Quality and Macroinvertebrate Communities of a Subtropical River in South China. Water (Switzerland), 2015, 7, 63-80. | 1.2 | 15 |
| 1543 | How Does Evolutionary History Alter the Relationship between Biodiversity and Ecosystem Function?. , 2015, , 53-73. | | 1 |
| 1544 | Valuing Biodiversity and Ecosystem Services in a Complex Marine Ecosystem. , 2015, , 189-207. | | 1 |
| 1545 | Changes in species composition, diversity and biomass of herbaceous plant traits due to N amendment in a dry tropical environment of India. Journal of Plant Ecology, 2015, 8, 321-332. | 1.2 | 15 |
| 1546 | Multitrophic functional diversity predicts ecosystem functioning in experimental assemblages of estuarine consumers. Ecology, 2015, 96, 2973-2983. | 1.5 | 96 |
| 1547 | Hydrology shapes taxonomic and functional structure of desert stream invertebrate communities. Freshwater Science, 2015, 34, 399-409. | 0.9 | 83 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1548 | Biodiversity conservation under energy limitation: Possible consequences of human productivity appropriation for species richness, ecosystem functioning, and food production. Ecosystem Services, 2015, 16, 146-149. | 2.3 | 16 |
| 1549 | Disentangling the effects of environmental factors on the distribution of vascular plants in Japan: the importance of land use for common species on a macroscale. Plant Ecology and Diversity, 2015, 8, 529-536. | 1.0 | 1 |
| 1550 | Introduction to Green Roof Ecosystems. Ecological Studies, 2015, , 1-25. | 0.4 | 8 |
| 1551 | Differences in carbon uptake and water use between a managed and an unmanaged beech forest in central Germany. Forest Ecology and Management, 2015, 355, 101-108. | 1.4 | 38 |
| 1552 | Shifts in the phylogenetic structure of arbuscular mycorrhizal fungi in response to experimental nitrogen and carbon dioxide additions. Oecologia, 2015, 179, 175-185. | 0.9 | 26 |
| 1553 | Spatial Patterns and Functional Redundancies in a Changing Boreal Lake Landscape. Ecosystems, 2015, 18, 889-902. | 1.6 | 17 |
| 1554 | Agroecology and the design of climate change-resilient farming systems. Agronomy for Sustainable Development, 2015, 35, 869-890. | 2.2 | 670 |
| 1555 | Scaling-up Trait Variation from Individuals to Ecosystems. Advances in Ecological Research, 2015, , 1-17. | 1.4 | 31 |
| 1556 | Local, landscape, and diversity drivers of predation services provided by ants in a coffee landscape in Chiapas, Mexico. Agriculture, Ecosystems and Environment, 2015, 201, 83-91. | 2.5 | 33 |
| 1557 | Landscape connectivity and insect herbivory: A framework for understanding tradeoffs among ecosystem services. Global Ecology and Conservation, 2015, 4, 73-84. | 1.0 | 38 |
| 1558 | Loss of Microbiome Ecological Niches and Diversity by Global Change and Trophic Downgrading. SpringerBriefs in Ecology, 2015, , 89-113. | 0.2 | 6 |
| 1559 | The extent of functional redundancy changes as speciesâ€™ roles shift in different environments. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14888-14893. | 3.3 | 126 |
| 1560 | Reconstructing 16S rRNA genes in metagenomic data. Bioinformatics, 2015, 31, i35-i43. | 1.8 | 139 |
| 1561 | Taking a closer look: disentangling effects of functional diversity on ecosystem functions with a trait-based model across hierarchy and time. Royal Society Open Science, 2015, 2, 140541. | 1.1 | 19 |
| 1562 | Ecosystem process interactions between central Chilean habitats. Global Ecology and Conservation, 2015, 3, 776-788. | 1.0 | 6 |
| 1563 | Interannual variability in competitive effects in mixed and monospecific forests of Mediterranean stone pine. Forest Ecology and Management, 2015, 358, 230-239. | 1.4 | 27 |
| 1564 | Canopy structure of woody landscape modulators determines herbaceous species richness along a rainfall gradient. Plant Ecology, 2015, 216, 1511-1522. | 0.7 | 0 |
| 1565 | Soil type and species diversity influence selection on physiology in Panicum virgatum. Evolutionary Ecology, 2015, 29, 679-702. | 0.5 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1566 | Environmental metabarcoding reveals heterogeneous drivers of microbial eukaryote diversity in contrasting estuarine ecosystems. ISME Journal, 2015, 9, 1208-1221. | 4.4 | 120 |
| 1567 | Association of Biodiversity with the Rates of Micropollutant Biotransformations among Full-Scale Wastewater Treatment Plant Communities. Applied and Environmental Microbiology, 2015, 81, 666-675. | 1.4 | 98 |
| 1568 | Longâ€term changes in structure and function of a tropical headwater stream following a diseaseâ€driven amphibian decline. Freshwater Biology, 2015, 60, 575-589. | 1.2 | 20 |
| 1569 | The future of urban agriculture and biodiversity-ecosystem services: Challenges and next steps. Basic and Applied Ecology, 2015, 16, 189-201. | 1.2 | 320 |
| 1570 | Plant identity drives the expression of biocontrol factors in a rhizosphere bacterium across a plant diversity gradient. Functional Ecology, 2015, 29, 1225-1234. | 1.7 | 61 |
| 1571 | Cryptic function loss in animal populations. Trends in Ecology and Evolution, 2015, 30, 182-189. | 4.2 | 69 |
| 1572 | Identifying key demographic parameters for the viability of a growing population of the endangered Egyptian VultureNeophron percnopterus. Bird Conservation International, 2015, 25, 426-439. | 0.7 | 20 |
| 1573 | Energetic compensation is historically contingent and not supported for small mammals in South American or Asian deserts. Ecology, 2015, 96, 1702-1712. | 1.5 | 5 |
| 1575 | Leaf and stem economics spectra drive diversity of functional plant traits in a dynamic global vegetation model. Global Change Biology, 2015, 21, 2711-2725. | 4.2 | 162 |
| 1576 | Soil bacterial communities are shaped by temporal and environmental filtering: evidence from a longâ€term chronosequence. Environmental Microbiology, 2015, 17, 3208-3218. | 1.8 | 85 |
| 1577 | Predators indirectly reduce the prevalence of an insect-vectored plant pathogen independent of predator diversity. Oecologia, 2015, 177, 1067-1074. | 0.9 | 31 |
| 1578 | Trophic networks: How do theories link ecosystem structure and functioning to stability properties? A review. Ecological Indicators, 2015, 52, 458-471. | 2.6 | 139 |
| 1579 | Towards an Interdisciplinary Approach in Earth System Science. Springer Earth System Sciences, 2015, , . | 0.1 | 4 |
| 1580 | Predation and competition effects on the size diversity of aquatic communities. Aquatic Sciences, 2015, 77, 45-57. | 0.6 | 41 |
| 1581 | Moderate land use changes plant functional composition without loss of functional diversity in India's Western Ghats. Ecological Applications, 2015, 25, 1711-1724. | 1.8 | 12 |
| 1582 | Biogeochemical implications of biodiversity and community structure across multiple coastal ecosystems. Ecological Monographs, 2015, 85, 117-132. | 2.4 | 23 |
| 1583 | REVIEW: Chemical contaminant effects on marine ecosystem functioning. Journal of Applied Ecology, 2015, 52, 140-149. | 1.9 | 91 |
| 1584 | Effects of species vs. functional diversity: Understanding the roles of complementarity and competition on ecosystem function in a tropical stream fish assemblage. Ecological Indicators, 2015, 48, 627-635. | 2.6 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1585 | Landâ€use effects on the functional distinctness of arthropod communities. Ecography, 2015, 38, 889-900. | 2.1 | 67 |
| 1586 | A conceptual model of litter breakdown in low order streams. International Review of Hydrobiology, 2015, 100, 1-12. | 0.5 | 155 |
| 1587 | The relationship between dung beetle species richness and ecosystem functioning. Applied Soil Ecology, 2015, 88, 21-25. | 2.1 | 16 |
| 1588 | Microbial functional diversity enhances predictive models linking environmental parameters to ecosystem properties. Ecology, 2015, 96, 1985-1993. | 1.5 | 61 |
| 1589 | Bamboo invasion of native broadleaf forest modified soil microbial communities and diversity. Biological Invasions, 2015, 17, 433-444. | 1.2 | 75 |
| 1590 | Extreme climate events and wet grasslands: plant traits for ecological resilience. Hydrobiologia, 2015, 750, 229-243. | 1.0 | 37 |
| 1591 | The diversity of diversity studies: retrospectives and future directions. Ecography, 2015, 38, 330-334. | 2.1 | 3 |
| 1592 | Marine biodiversity and ecosystem functioning: what's known and what's next?. Oikos, 2015, 124, 252-265. | 1.2 | 195 |
| 1593 | Agroecological management of cucurbit-infesting fruit fly: a review. Agronomy for Sustainable Development, 2015, 35, 937-965. | 2.2 | 34 |
| 1594 | Inferring species interactions in ecological communities: a comparison of methods at different levels of complexity. Methods in Ecology and Evolution, 2015, 6, 895-906. | 2.2 | 79 |
| 1595 | Consequences of fleet diversification in managed and unmanaged fisheries. Canadian Journal of Fisheries and Aquatic Sciences, 2015, 72, 54-70. | 0.7 | 8 |
| 1596 | Genetic diversity in aspen and its relation to arthropod abundance. Frontiers in Plant Science, 2015, 5, 806. | 1.7 | 9 |
| 1597 | Spatially uniform but temporally variable bacterioplankton in a semi-enclosed coastal area. Systematic and Applied Microbiology, 2015, 38, 358-367. | 1.2 | 27 |
| 1598 | Evaluating the relationship between natural resource management and agriculture using embodied energy and eco-exergy analyses: A comparative study of nine countries. Ecological Complexity, 2015, 22, 152-161. | 1.4 | 15 |
| 1599 | Species interactions regulate the collapse of biodiversity and ecosystem function in tropical forest fragments. Ecology, 2015, 96, 2692-2704. | 1.5 | 57 |
| 1600 | Patterns and determinants of plant richness by elevation in a mountain ecosystem in South Korea: area, mid-domain effect, climate and productivity. Journal of Forestry Research, 2015, 26, 905-917. | 1.7 | 5 |
| 1601 | Using Functional Traits to Assess the Services Provided by Cover Plants. Advances in Agronomy, 2015, , 81-133. | 2.4 | 23 |
| 1602 | The Bacterial Communities of Full-Scale Biologically Active, Granular Activated Carbon Filters Are Stable and Diverse and Potentially Contain Novel Ammonia-Oxidizing Microorganisms. Applied and Environmental Microbiology, 2015, 81, 6864-6872. | 1.4 | 37 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1604 | Representation of species mixing in forest growth models. A review and perspective. Ecological Modelling, 2015, 313, 276-292. | 1.2 | 149 |
| 1605 | Inhibitory effects of soil biota are ameliorated by high plant diversity. Oecologia, 2015, 179, 519-525. | 0.9 | 25 |
| 1606 | Is the meiofauna a good indicator for climate change and anthropogenic impacts?. Marine Biodiversity, 2015, 45, 505-535. | 0.3 | 209 |
| 1607 | Time matters for plant diversity effects on nitrate leaching from temperate grassland. Agriculture, Ecosystems and Environment, 2015, 211, 155-163. | 2.5 | 22 |
| 1608 | The role of the local microbial ecosystem in respiratory health and disease. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140294. | 1.8 | 215 |
| 1609 | Ecological non-monotonicity and its effects on complexity and stability of populations, communities and ecosystems. Ecological Modelling, 2015, 312, 374-384. | 1.2 | 36 |
| 1610 | The Marine Strategy Framework Directive and the ecosystem-based approach â€“ pitfalls and solutions. Marine Pollution Bulletin, 2015, 96, 18-28. | 2.3 | 83 |
| 1611 | Throughfall kinetic energy in young subtropical forests: Investigation on tree species richness effects and spatial variability. Agricultural and Forest Meteorology, 2015, 213, 148-159. | 1.9 | 44 |
| 1612 | Biodiversity, productivity, and the spatial insurance hypothesis revisited. Journal of Theoretical Biology, 2015, 380, 426-435. | 0.8 | 41 |
| 1613 | Coastal Zones Ecosystem Services. Studies in Ecological Economics, 2015, , . | 0.2 | 28 |
| 1614 | Reducing soil erosion by improving community functional diversity in semiâ€arid grasslands. Journal of Applied Ecology, 2015, 52, 1063-1072. | 1.9 | 81 |
| 1615 | Individual size inequality links forest diversity and aboveâ€ground biomass. Journal of Ecology, 2015, 103, 1245-1252. | 1.9 | 186 |
| 1616 | Spatioâ€temporal trends in diversity of demersal fish species in the Benguela current large marine ecosystem region. Fisheries Oceanography, 2015, 24, 102-121. | 0.9 | 9 |
| 1617 | The contribution of phenotypic plasticity to complementary light capture in plant mixtures. New Phytologist, 2015, 207, 1213-1222. | 3.5 | 143 |
| 1618 | Interactions between abiotic constraint, propagule pressure, and biotic resistance regulate plant invasion. Oecologia, 2015, 178, 285-296. | 0.9 | 60 |
| 1619 | Loss of Plant Species Diversity Reduces Soil Erosion Resistance. Ecosystems, 2015, 18, 881-888. | 1.6 | 222 |
| 1620 | Multiâ€faceted approaches toward unravelling complex ecological networks. Population Ecology, 2015, 57, 3-19. | 0.7 | 31 |
| 1621 | Influence of species interactions on transpiration of Mediterranean tree species during a summer drought. European Journal of Forest Research, 2015, 134, 365-376. | 1.1 | 35 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1622 | Effects of Phragmites invasion on soil microbial activity and structure in a brackish marsh. Plant and Soil, 2015, 392, 45-56. | 1.8 | 18 |
| 1623 | Deep-sea meiofauna and macrofauna diversity and functional diversity: are they related?. Marine Biodiversity, 2015, 45, 469-488. | 0.3 | 23 |
| 1624 | Transition to diversification by competition for multiple resources in catalytic reaction networks. Journal of Systems Chemistry, 2015, 6, 5. | 1.7 | 6 |
| 1625 | Biodiversity and Microbial Ecosystems Functioning. , 2015, , 261-291. | | 3 |
| 1626 | Abundance- and functional-based mechanisms of plant diversity loss with fertilization in the presence and absence of herbivores. Oecologia, 2015, 179, 261-270. | 0.9 | 37 |
| 1627 | Archaeal Lineages within the Human Microbiome: Absent, Rare or Elusive?. Life, 2015, 5, 1333-1345. | 1.1 | 40 |
| 1628 | From plant functional types to plant functional traits. Progress in Physical Geography, 2015, 39, 514-535. | 1.4 | 70 |
| 1629 | Influence of Hyphal Inoculum potential on the Competitive Success of Fungi Colonizing Wood. Microbial Ecology, 2015, 69, 758-767. | 1.4 | 28 |
| 1630 | Scaling from Traits to Ecosystems. Advances in Ecological Research, 2015, , 249-318. | 1.4 | 277 |
| 1631 | Human disturbance increases functional but not structural variability of stream fungal communities. Functional Ecology, 2015, 29, 1569-1577. | 1.7 | 5 |
| 1632 | Marine biodiversity and ecosystem function relationships: The potential for practical monitoring applications. Estuarine, Coastal and Shelf Science, 2015, 161, 46-64. | 0.9 | 117 |
| 1633 | Eat and be eaten: reciprocal predation between axolotls (Ambystoma mexicanum) and crayfish (Cambarellus montezumae) as they grow in size. Marine and Freshwater Behaviour and Physiology, 2015, 48, 13-23. | 0.4 | 4 |
| 1634 | The geomicrobiology of CO2 geosequestration: a focused review on prokaryotic community responses to field-scale CO2 injection. Frontiers in Microbiology, 2015, 6, 263. | 1.5 | 17 |
| 1635 | Different patterns in species richness and community composition between trees, plants and epiphytic lichens in semi-natural pastures under agri-environment schemes. Biodiversity and Conservation, 2015, 24, 1729-1742. | 1.2 | 6 |
| 1636 | The forgotten flies: the importance of non-syrphid Diptera as pollinators. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142934. | 1.2 | 173 |
| 1637 | Indirect gradient analysis by Markov-chain Monte Carlo. Plant Ecology, 2015, 216, 697-708. | 0.7 | 7 |
| 1638 | Species richness, but not phylogenetic diversity, influences community biomass production and temporal stability in a reâ€examination of 16 grassland biodiversity studies. Functional Ecology, 2015, 29, 615-626. | 1.7 | 124 |
| 1639 | Plant diversity increases soil microbial activity and soil carbon storage. Nature Communications, 2015, 6, 6707. | 5.8 | 949 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1640 | Estimating ecological production from biomass. Ecosphere, 2015, 6, 1-31. | 1.0 | 26 |
| 1641 | Ecosystem Fertility: A new paradigm for nutrient availability to plants in the humid tropics. Soil Science and Plant Nutrition, 2015, 61, 698-703. | 0.8 | 5 |
| 1642 | Should invertebrates receive greater inclusion in wildlife research journals?. Journal of Wildlife Management, 2015, 79, 529-536. | 0.7 | 21 |
| 1643 | Linking fungal communities to wood density loss after 12 years of log decay. FEMS Microbiology Ecology, 2015, 91, . | 1.3 | 35 |
| 1644 | Biodiversity, community structure and function of biofilms in stream ecosystems. Research in Microbiology, 2015, 166, 774-781. | 1.0 | 156 |
| 1645 | Linking Ecosystem Services of Marine Protected Areas to Benefits in Human Wellbeing?. Studies in Ecological Economics, 2015, , 167-190. | 0.2 | 2 |
| 1646 | Inter-comparison of the potentially active prokaryotic communities in the halocline sediments of Mediterranean deep-sea hypersaline basins. Extremophiles, 2015, 19, 949-960. | 0.9 | 13 |
| 1647 | Plant species richness is not consistently associated with productivity in experimental subalpine meadow plant communities. Folia Geobotanica, 2015, 50, 207-217. | 0.4 | 5 |
| 1648 | Effects of agricultural intensification on ability of natural enemies to control aphids. Scientific Reports, 2015, 5, 8024. | 1.6 | 58 |
| 1649 | Density and assemblage influence the nature of the species richnessâ€“productivity relationship in ‹scp›A‹/scp›ustralian dry sclerophyll forest species. Austral Ecology, 2015, 40, 109-116. | 0.7 | 2 |
| 1650 | Challenging the Scientific Foundations for an IUCN Red List of Ecosystems. Conservation Letters, 2015, 8, 125-131. | 2.8 | 38 |
| 1651 | Impacts of exotic spider spillover on resident arthropod communities in a natural habitat. Ecological Entomology, 2015, 40, 69-77. | 1.1 | 8 |
| 1652 | High diversity stabilizes the thermal resilience of pollinator communities in intensively managed grasslands. Nature Communications, 2015, 6, 7989. | 5.8 | 121 |
| 1653 | Cultivation-dependent analysis of the microbial diversity associated with the seagrass meadows in Xincun Bay, South China Sea. Ecotoxicology, 2015, 24, 1540-1547. | 1.1 | 14 |
| 1654 | Nestedness of trophic links and biological traits in a marine food web. Ecosphere, 2015, 6, 1-14. | 1.0 | 26 |
| 1655 | Freshwater Conservation and Biomonitoring of Structure and Function. , 2015, , 241-271. | | 3 |
| 1656 | Decline in the species richness contribution of Echinodermata to the macrobenthos in the shelf seas of China. Physics and Chemistry of the Earth, 2015, 87-88, 43-49. | 1.2 | 8 |
| 1657 | Diversity in Plant Breeding: A New Conceptual Framework. Trends in Plant Science, 2015, 20, 604-613. | 4.3 | 163 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1658 | Low functional evenness in a post-extinction Anisian (Middle Triassic) paleocommunity: A case study of the Leidapo Member (Qingyan Formation), south China. Global and Planetary Change, 2015, 133, 79-86. | 1.6 | 13 |
| 1659 | Ecosystem Services in Estuarine Systems: Implications for Management. , 2015, , 319-341. | | 3 |
| 1660 | Potential Shift in Plant Communities with Climate Change: Outcome on Litter Decomposition and Nutrient Release in a Mediterranean Oak Forest. Ecosystems, 2015, 18, 1253-1268. | 1.6 | 35 |
| 1661 | An overview of the scienceâ€"policy interface among climate change, biodiversity, and terrestrial land use for production landscapes. Journal of Forest Research, 2015, 20, 423-429. | 0.7 | 13 |
| 1662 | The many potential indirect interactions between predators that share competing prey. Ecological Monographs, 2015, 85, 625-641. | 2.4 | 23 |
| 1663 | A metaâ€analysis of zooplankton functional traits influencing ecosystem function. Ecology, 2016, 97, 1069-1080. | 1.5 | 57 |
| 1664 | The life cycle, population dynamics, and contribution to litter decomposition of Penthetria holosericea (Diptera: Bibionidae) in an alder forest. European Journal of Soil Biology, 2015, 71, 21-27. | 1.4 | 9 |
| 1665 | Functional diversity and grazing intensity in subâ€alpine and alpine grasslands in <scp>A</scp>ndorra. Applied Vegetation Science, 2015, 18, 75-85. | 0.9 | 22 |
| 1666 | Succession in salt marshes â€" largeâ€scale and longâ€term patterns after abandonment of grazing and drainage. Applied Vegetation Science, 2015, 18, 86-98. | 0.9 | 25 |
| 1667 | Functionally relevant diversity of closely related Nitrospira in activated sludge. ISME Journal, 2015, 9, 643-655. | 4.4 | 172 |
| 1668 | Crop diversification as a smallholder livelihood strategy within semi-arid agricultural systems near Mount Kenya. Land Use Policy, 2015, 42, 738-750. | 2.5 | 142 |
| 1669 | Predicting ecosystem functions from biodiversity and mutualistic networks: an extension of traitâ€based concepts to plantâ€"animal interactions. Ecography, 2015, 38, 380-392. | 2.1 | 235 |
| 1670 | Relationships between biodiversity and the stability of marine ecosystems: Comparisons at a European scale using meta-analysis. Journal of Sea Research, 2015, 98, 5-14. | 0.6 | 16 |
| 1671 | Ecological Approaches to Coastal Risk Mitigation. , 2015, , 171-236. | | 6 |
| 1672 | Dynamics in microbial communities: unraveling mechanisms to identify principles. ISME Journal, 2015, 9, 1488-1495. | 4.4 | 257 |
| 1673 | Tree species diversity effects on productivity, soil nutrient availability and nutrient response efficiency in a temperate deciduous forest. Forest Ecology and Management, 2015, 338, 114-123. | 1.4 | 42 |
| 1674 | Experimental evidence for strong stabilizing forces at high functional diversity of aquatic microbial communities. Ecology, 2015, 96, 1340-1350. | 1.5 | 40 |
| 1675 | Resistance of polychaete species and trait patterns to simulated species loss in coastal lagoons. Journal of Sea Research, 2015, 98, 73-82. | 0.6 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1676 | Decomposing phylodiversity. Methods in Ecology and Evolution, 2015, 6, 333-339. | 2.2 | 11 |
| 1677 | The relationship between species richness and biomass changes from boreal to subtropical forests in China. Ecography, 2015, 38, 602-613. | 2.1 | 69 |
| 1678 | Biodiversity analyses: are aquatic ecologists doing any better and differently than terrestrial ecologists?. Hydrobiologia, 2015, 750, 5-12. | 1.0 | 18 |
| 1679 | Crop monoculture rather than agriculture reduces the spatial turnover of soil bacterial communities at a regional scale. Environmental Microbiology, 2015, 17, 678-688. | 1.8 | 71 |
| 1680 | Marine benthic ecological functioning over decreasing taxonomic richness. Journal of Sea Research, 2015, 98, 49-56. | 0.6 | 63 |
| 1681 | Microbial community related to lysozyme digestion process for boosting waste activated sludge biodegradability. Bioresource Technology, 2015, 175, 112-119. | 4.8 | 47 |
| 1682 | Aspects of soil lichen biodiversity and aggregation interact to influence subsurface microbial function. Plant and Soil, 2015, 386, 303-316. | 1.8 | 22 |
| 1683 | The effect of genotype richness and genomic dissimilarity ofAndropogon gerardiion invasion resistance and productivity. Plant Ecology and Diversity, 2015, 8, 61-71. | 1.0 | 10 |
| 1684 | Synthetic Biology. Risk Engineering, 2015, , . | 0.7 | 2 |
| 1685 | Ocean acidification through the lens of ecological theory. Ecology, 2015, 96, 3-15. | 1.5 | 237 |
| 1686 | Synthetic Biology and Genetic Engineering: Parallels in Risk Assessment. Risk Engineering, 2015, , 197-211. | 0.7 | 7 |
| 1687 | Alternative hypotheses to explain why biodiversity-ecosystem functioning relationships are concave-up in some natural ecosystems but concave-down in manipulative experiments. Scientific Reports, 2014, 4, 5427. | 1.6 | 49 |
| 1688 | Standardising the assessment of Functional Integrity in benthic ecosystems. Journal of Sea Research, 2015, 98, 33-41. | 0.6 | 21 |
| 1689 | Global biodiversity, stoichiometry and ecosystem function responses to human-induced Câ€“Nâ€“P imbalances. Journal of Plant Physiology, 2015, 172, 82-91. | 1.6 | 57 |
| 1690 | How Biotic Differentiation of Human Impacted Nutrient Poor Deciduous Forests Can Affect the Preservation Status of Mountain Forest Vegetation. Forests, 2016, 7, 241. | 0.9 | 5 |
| 1691 | The Role of Biological Diversity in Agroecosystems and Organic Farming. , 0, , . | | 5 |
| 1692 | Simple versus Diverse Temperate Pastures: Aspects of Soil-Plant-Animal Interrelationships Central to Nitrogen Leaching Losses. Agronomy Journal, 2016, 108, 2174-2188. | 0.9 | 20 |
| 1693 | Plantas, polinizadores e algumas articulaÃ§Ãµes da biologia da polinizaÃ§Ã£o com a teoria ecolÃ³gica. Rodriguesia, 2016, 67, 275-293. | 0.9 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1694 | Characterizing leaf area index (LAI) and vertical foliage profile (VFP) over the United States. Biogeosciences, 2016, 13, 239-252. | 1.3 | 23 |
| 1695 | Tree species and functional traits but not species richness affect interrill erosion processes in young subtropical forests. Soil, 2016, 2, 49-61. | 2.2 | 35 |
| 1696 | Insect Communities. , 2016, , 153-166. | | 0 |
| 1697 | An Ecosystem Services Perspective for the Oceanic Eastern Tropical Pacific: Commercial Fisheries, Carbon Storage, Recreational Fishing, and Biodiversity. Frontiers in Marine Science, 2016, 3, . | 1.2 | 33 |
| 1698 | Marine Primary Productivity Is Driven by a Selection Effect. Frontiers in Marine Science, 2016, 3, . | 1.2 | 28 |
| 1699 | Relative Contributions of Biodiversity and Environment to Benthic Ecosystem Functioning. Frontiers in Marine Science, 2016, 3, . | 1.2 | 57 |
| 1700 | Tree Size Inequality Reduces Forest Productivity: An Analysis Combining Inventory Data for Ten European Species and a Light Competition Model. PLoS ONE, 2016, 11, e0151852. | 1.1 | 100 |
| 1701 | Nitrogen Fertilization Effects on Productivity and Nitrogen Loss in Three Grass-Based Perennial Bioenergy Cropping Systems. PLoS ONE, 2016, 11, e0151919. | 1.1 | 39 |
| 1702 | Presence of Trifolium repens Promotes Complementarity of Water Use and N Facilitation in Diverse Grass Mixtures. Frontiers in Plant Science, 2016, 7, 538. | 1.7 | 14 |
| 1703 | The Effect of Genetic Diversity on Ecosystem Functioning in Vegetated Coastal Ecosystems. Ecosystems, 2016, 19, 1429-1444. | 1.6 | 30 |
| 1704 | Regional diversity reverses the negative impacts of an alien predator on local speciesâ€poor communities. Ecology, 2016, 97, 2740-2749. | 1.5 | 18 |
| 1705 | Tidal benthic mesocosms simulating future climate change scenarios in the field of marine ecology. Limnology and Oceanography: Methods, 2016, 14, 257-267. | 1.0 | 32 |
| 1706 | Overstory structure and soil nutrients effect on plant diversity in unmanaged moist tropical forest. Acta Oecologica, 2016, 75, 43-53. | 0.5 | 9 |
| 1707 | Effects of functional diversity loss on ecosystem functions are influenced by compensation. Ecology, 2016, 97, 2293-2302. | 1.5 | 56 |
| 1708 | Changes in function and temporal variation in a guild of gall-parasitoids across a temperature gradient in Australian subtropical rainforest. Austral Ecology, 2016, 41, 145-153. | 0.7 | 6 |
| 1709 | Intermediate predation pressure leads to maximal complexity in food webs. Oikos, 2016, 125, 595-603. | 1.2 | 18 |
| 1710 | Exploring the links between functional traits and cultural ecosystem services to enhance urban ecosystem management. Ecological Indicators, 2016, 70, 597-605. | 2.6 | 73 |
| 1711 | Tree phylogenetic diversity promotes hostâ€“parasitoid interactions. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160275. | 1.2 | 41 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1712 | Transient dynamics of competitive exclusion in microbial communities. Environmental Microbiology, 2016, 18, 1863-1874. | 1.8 | 34 |
| 1713 | Biodiversity and ecosystem stability across scales in metacommunities. Ecology Letters, 2016, 19, 510-518. | 3.0 | 213 |
| 1714 | A novel method to assess effects of chemical stressors on natural biofilm structure and function. Freshwater Biology, 2016, 61, 2129-2140. | 1.2 | 24 |
| 1715 | Coupling of soil prokaryotic diversity and plant diversity across latitudinal forest ecosystems. Scientific Reports, 2016, 6, 19561. | 1.6 | 50 |
| 1716 | Response of sediment bacterial communities to temporal variation in the dissolved organic matter pool of an agriculturally impacted stream. Fundamental and Applied Limnology, 2016, 188, 171-185. | 0.4 | 3 |
| 1717 | ENERGY FLOWS AND BIODIVERSITY IN A MODEL ECOSYSTEM. Cosmos, 2016, 12, 57-68. | 0.4 | 0 |
| 1718 | Mechanisms behind plant diversity effects on inorganic and organic N leaching from temperate grassland. Biogeochemistry, 2016, 131, 339-353. | 1.7 | 25 |
| 1719 | Jack-of-all-trades effects drive biodiversityâ€“ecosystem multifunctionality relationships in European forests. Nature Communications, 2016, 7, 11109. | 5.8 | 185 |
| 1720 | Patterns of taxonomic, phylogenetic diversity during a long-term succession of forest on the Loess Plateau, China: insights into assembly process. Scientific Reports, 2016, 6, 27087. | 1.6 | 55 |
| 1721 | Seafloor heterogeneity influences the biodiversityâ€“ecosystem functioning relationships in the deep sea. Scientific Reports, 2016, 6, 26352. | 1.6 | 75 |
| 1722 | The identity of belowground herbivores, not herbivore diversity, mediates impacts on plant productivity. Scientific Reports, 2016, 6, 39629. | 1.6 | 4 |
| 1723 | Phylogenetic and functional potential links pH and N2O emissions in pasture soils. Scientific Reports, 2016, 6, 35990. | 1.6 | 67 |
| 1724 | The microbiomes and metagenomes of forest biochars. Scientific Reports, 2016, 6, 26425. | 1.6 | 43 |
| 1725 | Unravelling Linkages between Plant Community Composition and the Pathogen-Suppressive Potential of Soils. Scientific Reports, 2016, 6, 23584. | 1.6 | 60 |
| 1726 | Nighttime warming enhances drought resistance of plant communities in a temperate steppe. Scientific Reports, 2016, 6, 23267. | 1.6 | 47 |
| 1728 | Functional redundancy increases towards the tropics in lake phytoplankton. Journal of Plankton Research, 0, , . | 0.8 | 11 |
| 1729 | Patterns of diversity of flower-visitor assemblages to the understory Araceae in a tropical mountain forest in Colombia. Journal of Insect Conservation, 2016, 20, 1069-1085. | 0.8 | 10 |
| 1730 | Multi-modal knowledge base generation from very high resolution satellite imagery for habitat mapping. European Journal of Remote Sensing, 2016, 49, 1033-1060. | 1.7 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1731 | Next generation biodiversity analysis. , 0, , 175-194. | | 0 |
| 1732 | Hill number as a bacterial diversity measure framework with high-throughput sequence data. Scientific Reports, 2016, 6, 38263. | 1.6 | 28 |
| 1733 | Polar Marine Microorganisms and Climate Change. Advances in Microbial Physiology, 2016, 69, 187-215. | 1.0 | 45 |
| 1734 | Plant diversity increases spatioâ€temporal niche complementarity in plantâ€pollinator interactions. Ecology and Evolution, 2016, 6, 2249-2261. | 0.8 | 48 |
| 1735 | Network succession reveals the importance of competition in response to emulsified vegetable oil amendment for uranium bioremediation. Environmental Microbiology, 2016, 18, 205-218. | 1.8 | 339 |
| 1736 | Impact of nitrogen deposition on forest and lake food webs in nitrogenâ€limited environments. Global Change Biology, 2016, 22, 164-179. | 4.2 | 93 |
| 1737 | Soil food web stability in response to grazing in a semi-arid prairie: The importance of soil textural heterogeneity. Soil Biology and Biochemistry, 2016, 97, 131-143. | 4.2 | 41 |
| 1738 | Intraâ€tumour heterogeneity â€“ going beyond genetics. FEBS Journal, 2016, 283, 2245-2258. | 2.2 | 70 |
| 1739 | Dissimilar framings of forest biodiversity preservation: Uncertainty and legal ambiguity as contributing factors. Forest Policy and Economics, 2016, 62, 36-42. | 1.5 | 19 |
| 1740 | rRNA Gene Expression of Abundant and Rare Activated-Sludge Microorganisms and Growth Rate Induced Micropollutant Removal. Environmental Science & Technology, 2016, 50, 6299-6309. | 4.6 | 46 |
| 1741 | Influence of dormancy on microbial competition under intermittent substrate supply: insights from model simulations. FEMS Microbiology Ecology, 2016, 92, fiw071. | 1.3 | 12 |
| 1742 | Facilitation and the niche: implications for coexistence, range shifts and ecosystem functioning. Functional Ecology, 2016, 30, 70-78. | 1.7 | 179 |
| 1743 | The Fortune of the Commons: Participatory Evaluation of Small-Scale Fisheries in the Brazilian Amazon. Environmental Management, 2016, 57, 1009-1023. | 1.2 | 18 |
| 1744 | Pollen Deposition Is More Important than Species Richness for Seed Set in Luffa Gourd. Neotropical Entomology, 2016, 45, 499-506. | 0.5 | 6 |
| 1745 | The meaning of functional trait composition of food webs for ecosystem functioning. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150268. | 1.8 | 119 |
| 1746 | How does the functional diversity of frugivorous birds shape the spatial pattern of seed dispersal? A case study in a relict plant species. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150280. | 1.8 | 16 |
| 1747 | Biodiversityâ€“ecosystem functioning relationships in long-term time series and palaeoecological records: deep sea as a test bed. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150282. | 1.8 | 35 |
| 1748 | An urgent need for sustainable thinking in agriculture â€“ An Indian scenario. Ecological Indicators, 2016, 67, 611-622. | 2.6 | 91 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1749 | Microbial diversity limits soil heterotrophic respiration and mitigates the respiration response to moisture increase. Soil Biology and Biochemistry, 2016, 98, 180-185. | 4.2 | 29 |
| 1750 | Comparative Metagenomic Analysis Reveals Mechanisms for Stress Response in Hypoliths from Extreme Hyperarid Deserts. Genome Biology and Evolution, 2016, 8, 2737-2747. | 1.1 | 61 |
| 1751 | Insurance Value of Green Infrastructure in and Around Cities. Ecosystems, 2016, 19, 1051-1063. | 1.6 | 61 |
| 1752 | One fly to rule them allâ€"muscid flies are the key pollinators in the Arctic. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161271. | 1.2 | 63 |
| 1753 | Biodiversity increases functional and compositional resistance, but decreases resilience in phytoplankton communities. Ecology, 2016, 97, 3433-3440. | 1.5 | 63 |
| 1754 | What is in a label? Rainforest-Alliance certified banana production versus non-certified conventional banana production. Global Ecology and Conservation, 2016, 7, 39-48. | 1.0 | 9 |
| 1755 | Mitigation of drought negative effect on ecosystem productivity by vegetation mixing. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 2667-2683. | 1.3 | 13 |
| 1756 | Ecosystemic, climatic and temporal differences in oribatid communities (Acari: Oribatida) from forest soils. Experimental and Applied Acarology, 2016, 69, 389-401. | 0.7 | 3 |
| 1757 | Effects of diversity on community assembly in newly formedÂpondÂcommunities. Ecosphere, 2016, 7, e01377. | 1.0 | 9 |
| 1758 | Structure and function of methanogenic microbial communities in sediments of Amazonian lakes with different water types. Environmental Microbiology, 2016, 18, 5082-5100. | 1.8 | 41 |
| 1759 | Multiple mechanisms contributed to the reduced stability of Inner Mongolia grassland ecosystem following nitrogen enrichment. Plant and Soil, 2016, 409, 283-296. | 1.8 | 35 |
| 1760 | Assembling productive communities of native grass and legume species: finding the right mix. Applied Vegetation Science, 2016, 19, 111-121. | 0.9 | 9 |
| 1761 | Global evidence of positive impacts of freshwater biodiversity on fishery yields. Global Ecology and Biogeography, 2016, 25, 553-562. | 2.7 | 44 |
| 1762 | Recovery in environmental risk assessments at EFSA. EFSA Journal, 2016, 14, 4313. | 0.9 | 42 |
| 1763 | Soil stabilization linked to plant diversity and environmental context in coastal wetlands. Journal of Vegetation Science, 2016, 27, 259-268. | 1.1 | 74 |
| 1764 | Environmental Impacts on Plant Volatile Emission. Signaling and Communication in Plants, 2016, , 35-59. | 0.5 | 40 |
| 1765 | Can winter cover crops influence weed density and diversity in a reduced tillage vegetable system?. Crop Protection, 2016, 90, 9-16. | 1.0 | 28 |
| 1766 | Grazing intensity and environmental factors effects on species composition and diversity in rangelands of Iran. Journal of Plant Nutrition, 2016, 39, 2002-2014. | 0.9 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1767 | How functional traits of estuarine macrobenthic assemblages respond to metal contamination?. Ecological Indicators, 2016, 71, 645-659. | 2.6 | 59 |
| 1768 | Fishing down nutrients on coral reefs. Nature Communications, 2016, 7, 12461. | 5.8 | 54 |
| 1769 | Classification of Landscape Types Based on Land Cover, Successional Stages and Plant Functional Groups in a Species-Rich Forest in Hainan Island, China. Tropical Conservation Science, 2016, 9, 135-152. | 0.6 | 5 |
| 1770 | Time-variant species pools shape competitive dynamics and biodiversityâ€“ecosystem function relationships. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161437. | 1.2 | 7 |
| 1771 | Contrasting elevational diversity patterns for soil bacteria between two ecosystems divided by the treeline. Science China Life Sciences, 2016, 59, 1177-1186. | 2.3 | 25 |
| 1772 | Bioenergy harvest impacts to biodiversity and resilience vary across aspenâ€dominated forest ecosystems in the Lake States region, USA. Applied Vegetation Science, 2016, 19, 667-678. | 0.9 | 8 |
| 1773 | Navigating the complexity of ecological stability. Ecology Letters, 2016, 19, 1172-1185. | 3.0 | 401 |
| 1774 | Deconstructing the relationships between phylogenetic diversity and ecology: a case study on ecosystem functioning. Ecology, 2016, 97, 2212-2222. | 1.5 | 34 |
| 1775 | Response of aboveground biomass and diversity to nitrogen addition â€“ a five-year experiment in semi-arid grassland of Inner Mongolia, China. Scientific Reports, 2016, 6, 31919. | 1.6 | 21 |
| 1776 | Bioquality Hotspots in the Tropical African Flora. Current Biology, 2016, 26, 3214-3219. | 1.8 | 25 |
| 1777 | Do genetically modified plants affect adversely on soil microbial communities?. Agriculture, Ecosystems and Environment, 2016, 235, 289-305. | 2.5 | 64 |
| 1778 | Relationships between functional diversity and aboveground biomass production in the Northern Tibetan alpine grasslands. Scientific Reports, 2016, 6, 34105. | 1.6 | 42 |
| 1779 | Animal diversity and ecosystem functioning in dynamic food webs. Nature Communications, 2016, 7, 12718. | 5.8 | 107 |
| 1780 | Disaggregating the evidence linking biodiversity and ecosystem services. Nature Communications, 2016, 7, 13106. | 5.8 | 112 |
| 1781 | A century of morphological variation in Cyprinidae fishes. BMC Ecology, 2016, 16, 48. | 3.0 | 19 |
| 1782 | Interactive effects between plant functional types and soil factors on tundra species diversity and community composition. Ecology and Evolution, 2016, 6, 8126-8137. | 0.8 | 17 |
| 1783 | Habitat recovery and restoration in aquatic ecosystems: current progress and future challenges. Aquatic Conservation: Marine and Freshwater Ecosystems, 2016, 26, 942-962. | 0.9 | 203 |
| 1784 | Mineral and organic growing media have distinct community structure, stability and functionality in soilless culture systems. Scientific Reports, 2016, 6, 18837. | 1.6 | 72 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1785 | Per capita interactions and stress tolerance drive stress-induced changes in biodiversity effects on ecosystem functions. Nature Communications, 2016, 7, 12486. | 5.8 | 54 |
| 1786 | Soil bacterial endemism and potential functional redundancy in natural broadleaf forest along a latitudinal gradient. Scientific Reports, 2016, 6, 28819. | 1.6 | 15 |
| 1787 | Rangeland Condition Assessment Based on Economic Criteria. Journal of Landscape Ecology(Czech) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 0.2 | 1 |
| 1788 | Environmental heterogeneity has a weak effect on diversity during community assembly in tallgrass prairie. Ecological Monographs, 2016, 86, 94-106. | 2.4 | 44 |
| 1789 | Phenological asynchrony in plantâ€“butterfly interactions associated with climate: a communityâ€wide perspective. Oikos, 2016, 125, 1434-1444. | 1.2 | 35 |
| 1790 | Overyielding of temperate deciduous tree mixtures is maintained under throughfall reduction. Plant and Soil, 2016, 408, 285-298. | 1.8 | 13 |
| 1791 | Global Biodiversity Loss by Freshwater Consumption and Eutrophication from Swiss Food Consumption. Environmental Science & Technology, 2016, 50, 7019-7028. | 4.6 | 55 |
| 1793 | Phosphorus availability and microbial community in the rhizosphere of intercropped cereal and legume along a P-fertilizer gradient. Plant and Soil, 2016, 407, 119-134. | 1.8 | 83 |
| 1794 | A comparative study of the nutrient uptake and growth capacities of seaweeds Caulerpa lentillifera and Gracilaria lichenoides. Journal of Applied Phycology, 2016, 28, 3083-3089. | 1.5 | 26 |
| 1795 | Spatial patterns and environmental constraints on ecosystem services at a catchment scale. Science of the Total Environment, 2016, 572, 1586-1600. | 3.9 | 44 |
| 1796 | Stand density and species richness affect carbon storage and net primary productivity in early and late successional temperate forests differently. Ecological Research, 2016, 31, 525-533. | 0.7 | 12 |
| 1797 | Multiple dimensions of biodiversity and ecosystem processes: Exploring the joint influence of intraspecific, specific and interspecific diversity. Journal of Theoretical Biology, 2016, 404, 215-221. | 0.8 | 6 |
| 1798 | Roles of Raptors in a Changing World: From Flagships to Providers of Key Ecosystem Services. Ardeola, 2016, 63, 181-234. | 0.4 | 158 |
| 1799 | Cryptic diversity and ecosystem functioning: a complex tale of differential effects on decomposition. Oecologia, 2016, 182, 559-571. | 0.9 | 28 |
| 1800 | Producer diversity enhances consumer stability in a benthic marine community. Journal of Ecology, 2016, 104, 572-579. | 1.9 | 7 |
| 1801 | Interspecific biodiversity enhances biomass and lipid productivity of microalgae as biofuel feedstock. Journal of Applied Phycology, 2016, 28, 25-33. | 1.5 | 13 |
| 1802 | Redundancy and diversity of functional reef fish groups of the <scp>M</scp>exican <scp>E</scp>astern <scp>P</scp>acific. Marine Ecology, 2016, 37, 119-133. | 0.4 | 26 |
| 1803 | Habitat fragmentation and biodiversity conservation: key findings and future challenges. Landscape Ecology, 2016, 31, 219-227. | 1.9 | 336 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1804 | Ecological Impacts of Reverse Speciation in Threespine Stickleback. Current Biology, 2016, 26, 490-495. | 1.8 | 61 |
| 1805 | Harmony as Ideology: Questioning the Diversityâ€“Stability Hypothesis. Acta Biotheoretica, 2016, 64, 33-64. | 0.7 | 8 |
| 1807 | Sustainability Science. , 2016, , . | | 38 |
| 1808 | The performance of trait-based indices in an estuarine environment. Ecological Indicators, 2016, 61, 378-389. | 2.6 | 52 |
| 1809 | Reducing the impacts of Neotropical oil palm development on functional diversity. Biological Conservation, 2016, 197, 139-145. | 1.9 | 40 |
| 1810 | Challenges and opportunities in harnessing soil disease suppressiveness for sustainable pasture production. Soil Biology and Biochemistry, 2016, 95, 100-111. | 4.2 | 33 |
| 1811 | Delicate balance between pest and disease injuries, yield performance, and other ecosystem services in the complex coffee-based systems of Costa Rica. Agriculture, Ecosystems and Environment, 2016, 222, 1-12. | 2.5 | 46 |
| 1812 | Effects of grassland management on the community structure, aboveground biomass and stability of a temperate steppe in Inner Mongolia, China. Journal of Arid Land, 2016, 8, 422-433. | 0.9 | 22 |
| 1813 | Contribution of co-occurring shrub species to community richness and phylogenetic diversity along an environmental gradient. Perspectives in Plant Ecology, Evolution and Systematics, 2016, 19, 30-39. | 1.1 | 34 |
| 1814 | Perspectives on the link between ecosystem services and biodiversity: The assessment of the nursery function. Ecological Indicators, 2016, 63, 249-257. | 2.6 | 87 |
| 1815 | Trawling disturbance on megabenthos and sediment in the Barents Sea: chronic effects on density, diversity, and composition. ICES Journal of Marine Science, 2016, 73, i98-i114. | 1.2 | 42 |
| 1816 | Ground-foraging ant communities vary with oil palm age. Basic and Applied Ecology, 2016, 17, 21-32. | 1.2 | 9 |
| 1817 | Tree diversity and nectar composition affect arthropod visitors on extrafloral nectaries in a diversity experiment. Journal of Plant Ecology, 0, , rtw017. | 1.2 | 6 |
| 1818 | Towards an energyâ€“landscape integrated analysis? Exploring the links between socio-metabolic disturbance and landscape ecology performance (Mallorca, Spain, 1956â€“2011). Landscape Ecology, 2016, 31, 317-336. | 1.9 | 26 |
| 1819 | Does hydrological fluctuation alter impacts of species richness on biomass in wetland plant communities?. Journal of Plant Ecology, 2016, 9, 434-441. | 1.2 | 30 |
| 1820 | Taxonomic and Functional Resilience of Grasshoppers (Orthoptera, Caelifera) to Fire in South Brazilian Grasslands. Neotropical Entomology, 2016, 45, 374-381. | 0.5 | 9 |
| 1821 | Engineering microbial consortia for controllable outputs. ISME Journal, 2016, 10, 2077-2084. | 4.4 | 278 |
| 1822 | The ecology and biogeochemistry of stream biofilms. Nature Reviews Microbiology, 2016, 14, 251-263. | 13.6 | 746 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1823 | Solubilization augmentation and bacterial community responses triggered by co-digestion of a hydrolytic enzymes blend for facilitating waste activated sludge hydrolysis process. Chemical Engineering Journal, 2016, 284, 979-988. | 6.6 | 48 |
| 1824 | Relationships among land use, soil texture, species richness, and soil carbon in Midwestern tallgrass prairie, CRP and crop lands. Agriculture, Ecosystems and Environment, 2016, 216, 237-246. | 2.5 | 23 |
| 1825 | Role of aeration intensity on performance and microbial community profiles in a sequencing batch reaction kettle (SBRK) for wastewater nutrients rapid removal. Bioresource Technology, 2016, 201, 140-147. | 4.8 | 40 |
| 1826 | Coarse woody debris in temperate littoral zones: implications for biodiversity, food webs and lake management. Hydrobiologia, 2016, 767, 13-25. | 1.0 | 33 |
| 1827 | Model development for the assessment of terrestrial and aquatic habitat quality in conservation planning. Science of the Total Environment, 2016, 540, 63-70. | 3.9 | 265 |
| 1828 | The relation between circadian asynchrony, functional redundancy, and trophic performance in tropical ant communities. Ecology, 2016, 97, 225-235. | 1.5 | 25 |
| 1829 | Shifts in bacterial community composition associated with increased carbon cycling in a mosaic of phytoplankton blooms. ISME Journal, 2016, 10, 39-50. | 4.4 | 136 |
| 1830 | Why have global shark and ray landings declined: improved management or overfishing?. Fish and Fisheries, 2016, 17, 438-458. | 2.7 | 228 |
| 1831 | Biodiversity and ecosystem purification service in an alluvial wetland. Ecological Engineering, 2017, 103, 359-371. | 1.6 | 20 |
| 1832 | Role of biodiversity in the biogeochemical processes at the water-sediment interface of macroporous river bed: An experimental approach. Ecological Engineering, 2017, 103, 385-393. | 1.6 | 14 |
| 1833 | Plant roots and <scp>GHG</scp> mitigation in native perennial bioenergy cropping systems. GCB Bioenergy, 2017, 9, 326-338. | 2.5 | 11 |
| 1834 | Impacts of 2 species of predatory Reduviidae on bagworms in oil palm plantations. Insect Science, 2017, 24, 285-294. | 1.5 | 19 |
| 1835 | Legumes Functional Group Promotes Soil Organic Carbon and Nitrogen Storage by Increasing Plant Diversity. Land Degradation and Development, 2017, 28, 1336-1344. | 1.8 | 104 |
| 1836 | How do different aspects of biodiversity change through time? A case study on an Australian bird community. Ecography, 2017, 40, 642-650. | 2.1 | 6 |
| 1837 | Microbial diversity and soil functions. European Journal of Soil Science, 2017, 68, 12-26. | 1.8 | 268 |
| 1838 | Portfolio effects, climate change, and the persistence of small populations: analyses on the rare plant Saussurea weberi. Ecology, 2017, 98, 1071-1081. | 1.5 | 29 |
| 1839 | Climate variability and community stability in Mediterranean shrublands: the role of functional diversity and soil environment. Journal of Ecology, 2017, 105, 1335-1346. | 1.9 | 32 |
| 1840 | Environmental responses, not species interactions, determine synchrony of dominant species in semiarid grasslands. Ecology, 2017, 98, 971-981. | 1.5 | 43 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1841 | Low functional diversity promotes niche changes in natural island pollinator communities. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162218. | 1.2 | 21 |
| 1842 | Assemblage composition of fungal wood-decay species has major influence on how climate and wood quality modify decomposition. FEMS Microbiology Ecology, 2017, 93, fix002. | 1.3 | 9 |
| 1843 | Metabolic Trade-Offs Promote Diversity in a Model Ecosystem. Physical Review Letters, 2017, 118, 028103. | 2.9 | 147 |
| 1844 | Phylogeny and the prediction of tree functional diversity across novel continental settings. Global Ecology and Biogeography, 2017, 26, 553-562. | 2.7 | 31 |
| 1845 | Legacy Effects of Human Land Use: Ecosystems as Time-Lagged Systems. Ecosystems, 2017, 20, 94-103. | 1.6 | 127 |
| 1846 | Multifunctional benefits of sainfoin mixtures: Effects of partner species, sowing density and cutting regime. Grass and Forage Science, 2017, 72, 794-805. | 1.2 | 15 |
| 1847 | Animal pee in the sea: consumerâ€mediated nutrient dynamics in the world's changing oceans. Global Change Biology, 2017, 23, 2166-2178. | 4.2 | 82 |
| 1848 | Ecosystem Services Mapping for Sustainable Agricultural Water Management in Californiaâ€™s Central Valley. Environmental Science & Technology, 2017, 51, 2593-2601. | 4.6 | 12 |
| 1849 | Loss of soil microbial diversity may increase insecticide uptake by crop. Agriculture, Ecosystems and Environment, 2017, 240, 84-91. | 2.5 | 19 |
| 1850 | The effects of invasive pests and pathogens on strategies for forest diversification. Ecological Modelling, 2017, 350, 87-99. | 1.2 | 29 |
| 1851 | InÂsitu temperature response of photosynthesis of 42 tree and liana species in the canopy of two Panamanian lowland tropical forests with contrasting rainfall regimes. New Phytologist, 2017, 214, 1103-1117. | 3.5 | 129 |
| 1852 | Molecular systematics of the critically-endangered North American spinymussels (Unionidae: Elliptio) Tj ETQq1 1 0.784314 rgBT /Ove | 0.8 | 15 |
| 1853 | Achieving Diverse Cover Crop Mixtures: Effects of Planting Date and Seeding Rate. Agronomy Journal, 2017, 109, 259-271. | 0.9 | 73 |
| 1854 | Identifying the consequences of ocean sprawl for sedimentary habitats. Journal of Experimental Marine Biology and Ecology, 2017, 492, 31-48. | 0.7 | 183 |
| 1855 | Functionally dissimilar neighbors accelerate litter decomposition in two grass species. New Phytologist, 2017, 214, 1092-1102. | 3.5 | 24 |
| 1856 | Agro-biodiversity restoration using wildflowers: What is the appropriate weed management for their long-term sustainability?. Ecological Engineering, 2017, 102, 519-526. | 1.6 | 18 |
| 1857 | Advancing Ecosystem Science by Promoting Greater Use of Theory and Multiple Research Approaches in Graduate Education. Ecosystems, 2017, 20, 267-273. | 1.6 | 6 |
| 1858 | Functional diversity in studies of aquatic macroinvertebrates community. Scientometrics, 2017, 111, 1643-1656. | 1.6 | 26 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1859 | The friendship paradox in species-rich ecological networks: Implications for conservation and monitoring. Biological Conservation, 2017, 209, 245-252. | 1.9 | 13 |
| 1860 | Global patterns in the divergence between phylogenetic diversity and species richness in terrestrial birds. Journal of Biogeography, 2017, 44, 709-721. | 1.4 | 68 |
| 1861 | The potential role of habitat-forming seaweeds in modeling benthic ecosystem properties. Journal of Sea Research, 2017, 130, 123-133. | 0.6 | 14 |
| 1862 | Maintaining stability of the rumen ecosystem is associated with changes of microbial composition and epithelial TLR signaling. MicrobiologyOpen, 2017, 6, e00436. | 1.2 | 14 |
| 1863 | Macroarthropod response to time-since-fire in the longleaf pine ecosystem. Forest Ecology and Management, 2017, 391, 390-395. | 1.4 | 17 |
| 1864 | Trophic mechanisms underlying benthoâ€demersal community recovery in the northâ€east Atlantic. Journal of Applied Ecology, 2017, 54, 1957-1967. | 1.9 | 7 |
| 1865 | Increased complementarity in waterâ€limited environments in Scots pine and European beech mixtures under climate change. Ecohydrology, 2017, 10, e1810. | 1.1 | 42 |
| 1866 | Ecological and evolutionary consequences of tri-trophic interactions: Spatial variation and effects of plant density. American Journal of Botany, 2017, 104, 241-251. | 0.8 | 3 |
| 1867 | Pattern and scale in latitudeâ€“production relationships for freshwater fishes. Ecosphere, 2017, 8, e01660. | 1.0 | 30 |
| 1868 | Plant Functional Traits: Soil and Ecosystem Services. Trends in Plant Science, 2017, 22, 385-394. | 4.3 | 311 |
| 1869 | Enhanced biodiesel production through phyco-myco co-cultivation of Chlorella minutissima and Aspergillus awamori : An integrated approach. Bioresource Technology, 2017, 238, 502-509. | 4.8 | 44 |
| 1870 | Plant communities and reproductive phenology in mountainous regions of northern Libya. Journal of Forestry Research, 2017, 28, 741-761. | 1.7 | 5 |
| 1871 | Generalist social bees maximize diversity intake in plant speciesâ€rich and resourceâ€abundant environments. Ecosphere, 2017, 8, e01758. | 1.0 | 42 |
| 1872 | Do taxonomic, phylogenetic and functional plant Î±- and Î²-diversity reflect environmental patterns in the Lower ParanÃ¡ River floodplain?. Plant Ecology and Diversity, 2017, 10, 153-165. | 1.0 | 9 |
| 1873 | Species sorting and stoichiometric plasticity control community C:P ratio of firstâ€order aquatic consumers. Ecology Letters, 2017, 20, 751-760. | 3.0 | 32 |
| 1874 | Disentangling species and functional group richness effects on soil N cycling in a grassland ecosystem. Global Change Biology, 2017, 23, 4717-4727. | 4.2 | 24 |
| 1875 | An objective view of biological diversity: how history and epistemology shaped current treatment. Theory in Biosciences, 2017, 136, 113-122. | 0.6 | 1 |
| 1876 | Primary productivity in cities and their influence over subtropical bird assemblages. Urban Forestry and Urban Greening, 2017, 26, 57-64. | 2.3 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1877 | Resilience indicators support valuation of estuarine ecosystem restoration under climate change. Ecosystem Health and Sustainability, 2017, 3, . | 1.5 | 13 |
| 1878 | Biodiversityâ€“ecosystem function relationships change through primary succession. Oikos, 2017, 126, 1637-1649. | 1.2 | 37 |
| 1879 | Nonlinear partitioning of biodiversity effects on ecosystem functioning. Methods in Ecology and Evolution, 2017, 8, 1233-1240. | 2.2 | 9 |
| 1880 | Disentangling the effects of species diversity, and intraspecific and interspecific tree size variation on aboveground biomass in dry zone homegarden agroforestry systems. Science of the Total Environment, 2017, 598, 38-48. | 3.9 | 21 |
| 1881 | Molecular diversity patterns among various phytoplankton size-fractions in West Greenland in late summer. Deep-Sea Research Part I: Oceanographic Research Papers, 2017, 121, 54-69. | 0.6 | 30 |
| 1882 | Community aggregated traits disclose functional responses to seasonal resource fluctuations and spatial heterogeneity. Journal of Vegetation Science, 2017, 28, 291-302. | 1.1 | 0 |
| 1883 | Performance and Microbial Community Evolutions in Anaerobic Fermentation Process of Waste Activated Sludge Affected by Solids Retention Time. Water, Air, and Soil Pollution, 2017, 228, 1. | 1.1 | 6 |
| 1885 | Divergence of species responses to climate change. Science Advances, 2017, 3, e1603055. | 4.7 | 272 |
| 1886 | Cost-effective conservation of amphibian ecology and evolution. Science Advances, 2017, 3, e1602929. | 4.7 | 34 |
| 1887 | Are research efforts on Animalia in the South Pacific associated with the conservation status or population trends?. Journal for Nature Conservation, 2017, 39, 1-36. | 0.8 | 2 |
| 1888 | Spatial and temporal trends in order richness of marine phytoplankton as a tracer for the exchange zone between coastal and open waters. Journal of the Marine Biological Association of the United Kingdom, 2017, 97, 477-489. | 0.4 | 4 |
| 1889 | How are species interactions structured in species-rich communities? A new method for analysing time-series data. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170768. | 1.2 | 84 |
| 1890 | Reduced Phytoplankton and Zooplankton Diversity Associated with Increased Cyanobacteria in Lake Champlain, USA. Journal of Contemporary Water Research and Education, 2017, 160, 100-118. | 0.7 | 27 |
| 1891 | Functional diversity of macromycete communities along an environmental gradient in a Mexican seasonally dry tropical forest. Fungal Ecology, 2017, 28, 66-75. | 0.7 | 16 |
| 1892 | Alpine cushion plants have speciesâ€“specific effects on microhabitat and community structure in the tropical Andes. Journal of Vegetation Science, 2017, 28, 928-938. | 1.1 | 51 |
| 1893 | Moss-dominated biocrusts increase soil microbial abundance and community diversity and improve soil fertility in semi-arid climates on the Loess Plateau of China. Applied Soil Ecology, 2017, 117-118, 165-177. | 2.1 | 71 |
| 1894 | Tree species diversity and identity effects on soil properties in the Huoditang area of the Qinling Mountains, China. Ecosphere, 2017, 8, e01732. | 1.0 | 21 |
| 1895 | Defaunation effects on plant recruitment depend on size matching and size trade-offs in seed-dispersal networks. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162664. | 1.2 | 46 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1896 | Diversity effects under different nutrient addition and cutting frequency environments in experimental plant communities. Ecological Research, 2017, 32, 611-619. | 0.7 | 11 |
| 1897 | Dampening of population cycles in voles affects small mammal community structure, decreases diversity, and increases prevalence of a zoonotic disease. Ecology and Evolution, 2017, 7, 5331-5342. | 0.8 | 25 |
| 1898 | Effects of climate on competitive dynamics in mixed conifer forests of the Sierra Nevada. Forest Ecology and Management, 2017, 394, 1-12. | 1.4 | 14 |
| 1899 | The effect of three different predatory ciliate species on activated sludge microfauna. European Journal of Protistology, 2017, 58, 87-93. | 0.5 | 14 |
| 1901 | Urban Agriculture as a Productive Green Infrastructure for Environmental and Social Well-Being. Advances in 21st Century Human Settlements, 2017, , 155-179. | 0.3 | 25 |
| 1902 | Microbial diversity and ecological networks as indicators of environmental quality. Environmental Chemistry Letters, 2017, 15, 265-281. | 8.3 | 169 |
| 1903 | Linking the Belowground Microbial Composition, Diversity and Activity to Soilborne Disease Suppression and Growth Promotion of Tomato Amended with Biochar. Scientific Reports, 2017, 7, 44382. | 1.6 | 167 |
| 1904 | Deterministic influences exceed dispersal effects on hydrologicallyâ€connected microbiomes. Environmental Microbiology, 2017, 19, 1552-1567. | 1.8 | 143 |
| 1905 | Spatial scale mediates the effects of biodiversity on marine primary producers. Ecology, 2017, 98, 1434-1443. | 1.5 | 14 |
| 1906 | Biodiversity in perennial and intermittent rivers: a meta‐analysis. Oikos, 2017, 126, 1078-1089. | 1.2 | 67 |
| 1907 | Intraspecific variability in growth response to environmental fluctuations modulates the stabilizing effect of species diversity on forest growth. Journal of Ecology, 2017, 105, 1010-1020. | 1.9 | 35 |
| 1908 | Delineating the ecological conservation redline based on the persistence of key species: Giant pandas () Tj ETQq1 1 0.784314 rgBT /Ov | 1.2 | 16 |
| 1909 | Do structural and functional attributes show concordant responses to disturbance? Evidence from rocky shore macroinvertebrate communities. Ecological Indicators, 2017, 75, 57-72. | 2.6 | 15 |
| 1910 | Trait-based representation of hydrological functional properties ofÂplants in weather and ecosystem models. Plant Diversity, 2017, 39, 1-12. | 1.8 | 56 |
| 1911 | Combined effect of temperature and ammonia on molecular response and survival of the freshwater crustacean Gammarus pulex. Ecotoxicology and Environmental Safety, 2017, 137, 42-48. | 2.9 | 20 |
| 1912 | Contrasting patterns of carbon sequestration between Gilbertiodendron dewevrei monodominant forests and Scorodophloeus zenkeri mixed forests in the Central Congo basin. Plant and Soil, 2017, 414, 309-326. | 1.8 | 13 |
| 1913 | Root distribution responses to three-dimensional soil heterogeneity in experimental mesocosms. Plant and Soil, 2017, 421, 353-366. | 1.8 | 28 |
| 1914 | Economic analysis of forest management alternatives: Compositional objectives, rotation ages, and harvest methods in boreal forests. Forest Policy and Economics, 2017, 85, 124-134. | 1.5 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1915 | Opposing intraspecific vs. interspecific diversity effects on herbivory and growth in subtropical experimental tree assemblages. Journal of Plant Ecology, 2017, 10, 242-251. | 1.2 | 36 |
| 1916 | The value of ecosystem services in the high altitude Spiti Valley, Indian Trans-Himalaya. Ecosystem Services, 2017, 28, 115-123. | 2.3 | 23 |
| 1917 | Multiple dimensions of intraspecific diversity affect biomass of eelgrass and its associated community. Ecology, 2017, 98, 3152-3164. | 1.5 | 21 |
| 1918 | Microbial Communities, Functional Genes, and Nitrogen Cycling Processes as Affected by Tree Species. , 2017, , 209-221. | | 0 |
| 1919 | Ectomycorrhizal Diversity in Beech Dominated Stands in Central Europe. , 2017, , 143-156. | | 0 |
| 1920 | Tree functional diversity influences belowground ecosystem functioning. Applied Soil Ecology, 2017, 120, 160-168. | 2.1 | 27 |
| 1921 | Comparative soil microbial communities and activities in adjacent Sanqi ginseng monoculture and maize-Sanqi ginseng systems. Applied Soil Ecology, 2017, 120, 89-96. | 2.1 | 52 |
| 1922 | Likelihood of changes in forest species suitability, distribution, and diversity under future climate: The case of Southern Europe. Ecology and Evolution, 2017, 7, 9358-9375. | 0.8 | 38 |
| 1923 | Conifer proportion explains fine root biomass more than tree species diversity and site factors in major European forest types. Forest Ecology and Management, 2017, 406, 330-350. | 1.4 | 34 |
| 1924 | Trade-off assessments between environmental and economic indicators in cropping systems of Pampa region (Argentina). Ecological Indicators, 2017, 83, 328-337. | 2.6 | 11 |
| 1925 | Warming by 1Â°C Drives Species and Assemblage Level Responses in Antarcticaâ€™s Marine Shallows. Current Biology, 2017, 27, 2698-2705.e3. | 1.8 | 91 |
| 1926 | Scale dependence of environmental controls on the functional diversity of coral reef fish communities. Global Ecology and Biogeography, 2017, 26, 1177-1189. | 2.7 | 43 |
| 1927 | Environmental warming accelerates extinctions but does not alter extinction debt. Basic and Applied Ecology, 2017, 24, 30-40. | 1.2 | 1 |
| 1928 | Taxonomic and functional patterns of macrobenthic communities on a high-Arctic shelf: A case study from the Laptev Sea. Journal of Sea Research, 2017, 129, 61-69. | 0.6 | 42 |
| 1929 | Responses of plant species diversity and soil physical-chemical-microbial properties to Phragmites australis invasion along a density gradient. Scientific Reports, 2017, 7, 11007. | 1.6 | 24 |
| 1930 | Hydrologic pulsing affects denitrification rates and denitrifier communities in a revegetated riparian ecotone. Soil Biology and Biochemistry, 2017, 115, 137-147. | 4.2 | 46 |
| 1931 | Macroalgal browsing on a heavily degraded, urbanized equatorial reef system. Scientific Reports, 2017, 7, 8352. | 1.6 | 34 |
| 1932 | Biodiversity effects in the wild are common and as strong as key drivers of productivity. Nature, 2017, 549, 261-264. | 13.7 | 466 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1933 | Intersection between biodiversity conservation, agroecology, and ecosystem services. Agroecology and Sustainable Food Systems, 2017, 41, 723-760. | 1.0 | 44 |
| 1934 | Changes in saproxylic beetle (Insecta: Coleoptera) assemblages following wildfire and harvest in boreal Populus forests. Forest Ecology and Management, 2017, 401, 319-329. | 1.4 | 16 |
| 1935 | Plant functional identity as the predictor of carbon storage in semi-arid ecosystems. Plant Ecology and Diversity, 2017, 10, 139-151. | 1.0 | 17 |
| 1936 | Fertilization, soil and plant community characteristics determine soil microbial activity in managed temperate grasslands. Plant and Soil, 2017, 419, 189-199. | 1.8 | 20 |
| 1937 | The forest strata-dependent relationship between biodiversity and aboveground biomass within a subtropical forest. Forest Ecology and Management, 2017, 401, 125-134. | 1.4 | 64 |
| 1938 | Potential contribution of soil diversity and abundance metrics to identifying high nature value farmland (HNV). Geoderma, 2017, 305, 417-432. | 2.3 | 6 |
| 1939 | Effects of algal enrichment and salinity on sediment particle reworking activity and associated nutrient generation mediated by the intertidal polychaete Hediste diversicolor. Journal of Experimental Marine Biology and Ecology, 2017, 495, 75-82. | 0.7 | 17 |
| 1941 | What determines the importance of a species for ecosystem processes? Insights from tropical ant assemblages. Oecologia, 2017, 184, 885-899. | 0.9 | 12 |
| 1942 | Zooplankton Community Profiling in a Eutrophic Freshwater Ecosystem-Lake Tai Basin by DNA Metabarcoding. Scientific Reports, 2017, 7, 1773. | 1.6 | 52 |
| 1943 | Modelled responses of the Kalahari Desert to 21st century climate and land use change. Scientific Reports, 2017, 7, 3887. | 1.6 | 23 |
| 1944 | Long-term livestock exclosure did not affect soil carbon in southern Ethiopian rangelands. Geoderma, 2017, 307, 1-7. | 2.3 | 47 |
| 1945 | Unraveling the relative contribution of interâ€•and intrapopulation functional variability in wild populations of a tadpole species. Ecology and Evolution, 2017, 7, 4726-4734. | 0.8 | 16 |
| 1946 | Structural drivers of biomass dynamics in two temperate forests in China. Ecosphere, 2017, 8, e01752. | 1.0 | 6 |
| 1947 | Climatic and geographic factors affect ecosystem multifunctionality through biodiversity in the Tibetan alpine grasslands. Journal of Mountain Science, 2017, 14, 1604-1614. | 0.8 | 11 |
| 1948 | Acoustic environments matter: Synergistic benefits to humans and ecological communities. Journal of Environmental Management, 2017, 203, 245-254. | 3.8 | 57 |
| 1949 | Tidal cycle control of biogeochemical and ecological properties of a macrotidal ecosystem. Geophysical Research Letters, 2017, 44, 8453-8462. | 1.5 | 16 |
| 1950 | Integrated trophic position decreases in more diverse communities of stream food webs. Scientific Reports, 2017, 7, 2130. | 1.6 | 12 |
| 1951 | Body size variation in aquatic consumers causes pervasive community effects, independent of mean body size. Ecology and Evolution, 2017, 7, 9978-9990. | 0.8 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1952 | Role of Organic Amendments in Sustainable Agriculture. , 2017, , 111-124. | | 10 |
| 1953 | Filling the gaps in ecological studies of socioecological systems. Ecological Research, 2017, 32, 873-885. | 0.7 | 9 |
| 1954 | Macrofaunal Functional Diversity Provides Resilience to Nutrient Enrichment in Coastal Sediments. Ecosystems, 2017, 20, 1324-1336. | 1.6 | 52 |
| 1955 | Ecotypic diversity of a dominant grassland species resists exotic invasion. Biological Invasions, 2017, 19, 1483-1493. | 1.2 | 5 |
| 1956 | Microalgal consortia differentially modulate progressive adsorption of hexavalent chromium. Physiology and Molecular Biology of Plants, 2017, 23, 269-280. | 1.4 | 12 |
| 1957 | Biodiversity effects on ecosystem functioning in a 15-year grassland experiment: Patterns, mechanisms, and open questions. Basic and Applied Ecology, 2017, 23, 1-73. | 1.2 | 307 |
| 1958 | Ocean acidification as a driver of community simplification via the collapse of higher-order and rise of lower-order consumers. Scientific Reports, 2017, 7, 4018. | 1.6 | 63 |
| 1959 | To what extent can ecosystem services motivate protecting biodiversity?. Ecology Letters, 2017, 20, 935-946. | 3.0 | 45 |
| 1960 | Change in Anopheles richness and composition in response to artificial flooding during the creation of the Jirau hydroelectric dam in Porto Velho, Brazil. Malaria Journal, 2017, 16, 87. | 0.8 | 11 |
| 1961 | Wheat cover crop promoted cucumber seedling growth through regulating soil nutrient resources or soil microbial communities?. Plant and Soil, 2017, 418, 459-475. | 1.8 | 14 |
| 1962 | Relationships among ecological traits of wild bee communities along gradients of habitat amount and fragmentation. Ecography, 2017, 40, 85-97. | 2.1 | 74 |
| 1963 | Habitat Management to Suppress Pest Populations: Progress and Prospects. Annual Review of Entomology, 2017, 62, 91-109. | 5.7 | 415 |
| 1964 | An evolutionary game theoretical model shows the limitations of the additive partitioning method for interpreting biodiversity experiments. Journal of Ecology, 2017, 105, 345-353. | 1.9 | 8 |
| 1965 | Investigation of phytosociological parameters and physico-chemical properties of soil in tropical semi-evergreen forests of Eastern Himalaya. Journal of Forestry Research, 2017, 28, 513-520. | 1.7 | 16 |
| 1966 | Local adaptation of fish consumers alters primary production through changes in algal community composition and diversity. Oikos, 2017, 126, 594-603. | 1.2 | 11 |
| 1967 | Response diversity, nonnative species, and disassembly rules buffer freshwater ecosystem processes from anthropogenic change. Global Change Biology, 2017, 23, 1871-1880. | 4.2 | 36 |
| 1968 | Assembly dynamics of a forest bird community depend on disturbance intensity and foraging guild. Journal of Applied Ecology, 2017, 54, 784-793. | 1.9 | 24 |
| 1969 | From monocultures to mixed-species forests: is tree diversity key for providing ecosystem services at the landscape scale?. Landscape Ecology, 2017, 32, 1499-1516. | 1.9 | 44 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1970 | Tree genetics strongly affect forest productivity, but intraspecific diversityâ€“productivity relationships do not. Functional Ecology, 2017, 31, 520-529. | 1.7 | 21 |
| 1971 | Effects of plant functional traits on soil stability: intraspecific variability matters. Plant and Soil, 2017, 411, 359-375. | 1.8 | 43 |
| 1972 | The relative contributions of species richness and species composition to ecosystem functioning. Oikos, 2017, 126, 782-791. | 1.2 | 10 |
| 1973 | Significant relationship between soil bacterial community structure and incidence of bacterial wilt disease under continuous cropping system. Archives of Microbiology, 2017, 199, 267-275. | 1.0 | 111 |
| 1974 | Designing agricultural landscapes for biodiversity-based ecosystem services. Basic and Applied Ecology, 2017, 18, 1-12. | 1.2 | 470 |
| 1975 | Linking country level food supply to global land and water use and biodiversity impacts: The case of Finland. Science of the Total Environment, 2017, 575, 33-40. | 3.9 | 24 |
| 1976 | Reconciling agriculture and biodiversity in European public policies: a bio-economic perspective. Regional Environmental Change, 2017, 17, 1421-1428. | 1.4 | 7 |
| 1977 | Assessing vulnerability of functional diversity to species loss: a case study in Mediterranean agricultural systems. Functional Ecology, 2017, 31, 427-435. | 1.7 | 26 |
| 1978 | Isolation predicts compositional change after discrete disturbances in a global metaâ€•study. Ecography, 2017, 40, 1256-1266. | 2.1 | 18 |
| 1979 | Contrasting effects of intraâ€•and interspecific identity and richness of ectomycorrhizal fungi on host plants, nutrient retention and multifunctionality. New Phytologist, 2017, 213, 852-863. | 3.5 | 26 |
| 1980 | Functional redundancy and sensitivity of fish assemblages in European rivers, lakes and estuarine ecosystems. Scientific Reports, 2017, 7, 17611. | 1.6 | 35 |
| 1981 | Fine particle retention within stream storage areas at base flow and in response to a storm event. Water Resources Research, 2017, 53, 5690-5705. | 1.7 | 37 |
| 1982 | Diversity in Ecological and Social Contexts. , 0, , 182-239. | | 0 |
| 1983 | Nature-Based Coastal Defenses: Can Biodiversity Help? â˜†. , 2017, , . | | 0 |
| 1984 | CITY HOTSPOT: LINKAGES BETWEEN ECOSYSTEM SERVICES AND BIODIVERSITY OF URBAN GREEN AREAS. Acta Agriculturae Slovenica, 2017, 109, 111-123. | 0.2 | 3 |
| 1985 | Weed Diversity Affects Soybean and Maize Yield in a Long Term Experiment in Michigan, USA. Frontiers in Plant Science, 2017, 8, 236. | 1.7 | 26 |
| 1986 | Applying Biodiversity and Ecosystem Function Theory to Turfgrass Management. Crop Science, 2017, 57, S-238. | 0.8 | 21 |
| 1987 | Phytoplankton Diversity Effects on Community Biomass and Stability along Nutrient Gradients in a Eutrophic Lake. International Journal of Environmental Research and Public Health, 2017, 14, 95. | 1.2 | 39 |

| # | Article | IF | Citations |
|---|---|---|---|
| 1988 | A Generalist Protist Predator Enables Coexistence in Multitrophic Predator-Prey Systems Containing a Phage and the Bacterial Predator Bdellovibrio. Frontiers in Ecology and Evolution, 2017, 5, . | 1.1 | 28 |
| 1989 | Heterogeneous Attitudes of Tourists toward Lionfish in the Mexican Caribbean: Implications for Invasive Species Management. Frontiers in Marine Science, 2017, 4, . | 1.2 | 10 |
| 1990 | Global Biogeographic Analysis of Methanogenic Archaea Identifies Community-Shaping Environmental Factors of Natural Environments. Frontiers in Microbiology, 2017, 8, 1339. | 1.5 | 70 |
| 1991 | Strain Identity of the Ectomycorrhizal Fungus Laccaria bicolor Is More Important than Richness in Regulating Plant and Fungal Performance under Nutrient Rich Conditions. Frontiers in Microbiology, 2017, 8, 1874. | 1.5 | 15 |
| 1992 | Diversity and composition of herbaceous angiosperms along gradients of elevation and forest-use intensity. PLoS ONE, 2017, 12, e0182893. | 1.1 | 30 |
| 1993 | Process strengths determine the forms of the relationship between plant species richness and primary productivity. PLoS ONE, 2017, 12, e0185884. | 1.1 | 4 |
| 1994 | Diversification dynamics, species sorting, and changes in the functional diversity of marine benthic gastropods during the Pliocene-Quaternary at temperate western South America. PLoS ONE, 2017, 12, e0187140. | 1.1 | 8 |
| 1995 | Greenhouse gas emissions from dung pats vary with dung beetle species and with assemblage composition. PLoS ONE, 2017, 12, e0178077. | 1.1 | 43 |
| 1996 | Positive effects of plant diversity on soil microbial biomass and activity are associated with more root biomass production. Journal of Plant Interactions, 2017, 12, 533-541. | 1.0 | 18 |
| 1997 | Species-specific effects of genetic diversity and species diversity of experimental communities on early tree performance. Journal of Plant Ecology, 2017, 10, 252-258. | 1.2 | 16 |
| 1998 | Analysis of the effects of mineral fertilization on species diversity and yield of permanent grasslands: revisited data to mediate economic and environmental needs. Community Ecology, 2017, 18, 295-304. | 0.5 | 4 |
| 1999 | Biodiversity: The Non-natives Species Versus the Natives Species and Ecosystem Functioning. Journal of Biodiversity Bioprospecting and Development, 2017, 04, . | 0.4 | 4 |
| 2000 | High-throughput sequencing analysis provides a comprehensive insight into the complex bacterial relationships in horticultural growing substrates. Acta Horticulturae, 2017, , 19-26. | 0.1 | 1 |
| 2001 | On the Power of Uncertainties in Microbial System Modeling: No Need To Hide Them Anymore. MSystems, 2017, 2, . | 1.7 | 6 |
| 2002 | Urban biodiversity and ecosystem services. , 2017, , 36-53. | | 1 |
| 2003 | Oysters and the Ecosystem. Developments in Aquaculture and Fisheries Science, 2017, 41, 703-834. | 1.3 | 4 |
| 2004 | Evaluating environmental drivers of spatial variability in free-living nematode assemblages along the Portuguese margin. Biogeosciences, 2017, 14, 651-669. | 1.3 | 11 |
| 2005 | A high arctic experience of uniting research and monitoring. Earth's Future, 2017, 5, 650-654. | 2.4 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2006 | Regional productivity mediates the effects of grazing disturbance on plant cover and patchâ€ssize distribution in arid and semiâ€earid communities. Oikos, 2018, 127, 1205-1215. | 1.2 | 35 |
| 2007 | Ecological autocatalysis: a central principle in ecosystem organization?. Ecological Monographs, 2018, 88, 304-319. | 2.4 | 32 |
| 2008 | Effect of long-term fertilisation on the weed community of a winter wheat field. Scientific Reports, 2018, 8, 4017. | 1.6 | 15 |
| 2009 | Sediment bacteria in an urban stream: Spatiotemporal patterns in community composition. Water Research, 2018, 134, 353-369. | 5.3 | 75 |
| 2010 | Functional and phylogenetic diversity determine woody productivity in a temperate forest. Ecology and Evolution, 2018, 8, 2395-2406. | 0.8 | 57 |
| 2011 | Species turnover and invasion of dominant freshwater invertebrates alter biodiversityâ€“ecosystemâ€function relationship. Ecological Monographs, 2018, 88, 461-480. | 2.4 | 34 |
| 2012 | Dominance of individual plant species is more important than diversity in explaining plant biomass in the forest understorey. Journal of Vegetation Science, 2018, 29, 521-531. | 1.1 | 24 |
| 2013 | Linking species richness and size diversity in birds and fishes. Ecography, 2018, 41, 1979-1991. | 2.1 | 3 |
| 2014 | How does grazing management influence the functional diversity of oak woodland ecosystems? A plant trait approach. Agriculture, Ecosystems and Environment, 2018, 258, 154-161. | 2.5 | 13 |
| 2015 | Bioturbation activity of three macrofaunal species and the presence of meiofauna affect the abundance and composition of benthic bacterial communities. Marine Environmental Research, 2018, 136, 62-70. | 1.1 | 19 |
| 2016 | Abiotic and biotic determinants of coarse woody productivity in temperate mixed forests. Science of the Total Environment, 2018, 630, 422-431. | 3.9 | 49 |
| 2017 | Ant diversity as a direct and indirect driver of pselaphine rove beetle (Coleoptera: Staphylinidae) functional diversity in tropical rainforests, Sabah, Malaysian Borneo. Journal of Morphology, 2018, 279, 981-996. | 0.6 | 1 |
| 2018 | Climate changeâ€driven extinctions of tree species affect forest functioning more than random extinctions. Diversity and Distributions, 2018, 24, 906-918. | 1.9 | 23 |
| 2019 | Adding early-stage engineering species affects advanced-stage organization of shallow-water fouling assemblages. Hydrobiologia, 2018, 818, 211-222. | 1.0 | 10 |
| 2020 | Changes in the functional feeding groups of macrobenthic fauna during mangrove forest succession in Zhanjiang, China. Ecological Research, 2018, 33, 959-970. | 0.7 | 12 |
| 2021 | Mediterranean cork oak wooded grasslands: synergies and trade-offs between plant diversity, pasture production and soil carbon. Agroforestry Systems, 2018, 92, 893-908. | 0.9 | 22 |
| 2022 | Responses of stream microbes to multiple anthropogenic stressors in a mesocosm study. Science of the Total Environment, 2018, 633, 1287-1301. | 3.9 | 15 |
| 2023 | Culture is new nature: comparing the restorative capacity of cultural and natural landscapes. International Journal of Environmental Studies, 2018, 75, 847-865. | 0.7 | 19 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2025 | Identifying in situ climate refugia for plant species. Ecography, 2018, 41, 1850-1863. | 2.1 | 35 |
| 2026 | Landscapeâ€scale habitat assessment for an imperiled avian species. Animal Conservation, 2018, 21, 241-251. | 1.5 | 6 |
| 2027 | Ecostructuring of marine nematode communities by submarine groundwater discharge. Marine Environmental Research, 2018, 136, 106-119. | 1.1 | 11 |
| 2028 | Causal effects of the microbiota on immune-mediated diseases. Science Immunology, 2018, 3, . | 5.6 | 103 |
| 2029 | Modern Threats to the Stability of Biological Communities. , 2018, , 77-83. | | 0 |
| 2030 | Topâ€“down effects of a grazing, omnivorous minnow (Campostoma anomalum) on stream microbial communities. Freshwater Science, 2018, 37, 121-133. | 0.9 | 7 |
| 2031 | Variations in vegetative characteristics of Deyeuxia angustifolia wetlands following natural restoration in the Sanjiang Plain, China. Ecological Engineering, 2018, 112, 34-40. | 1.6 | 17 |
| 2032 | Growth dynamics, climate sensitivity and water use efficiency in pure vs. mixed pine and beech stands in Trentino (Italy). Forest Ecology and Management, 2018, 409, 707-718. | 1.4 | 27 |
| 2033 | Testing topâ€down and bottomâ€up effects on arid zone beetle assemblages following mammal reintroduction. Austral Ecology, 2018, 43, 288-300. | 0.7 | 8 |
| 2034 | Environmental suitability for Lutzomyia (Nyssomyia) whitmani (Diptera: Psychodidae: Phlebotominae) and the occurrence of American cutaneous leishmaniasis in Brazil. Parasites and Vectors, 2018, 11, 155. | 1.0 | 30 |
| 2035 | How do mycorrhizal suppression and plant functional group loss affect plant communities in Inner Mongolia Steppe?. Journal of Vegetation Science, 2018, 29, 640-650. | 1.1 | 2 |
| 2036 | Predator and prey biodiversity relationship and its consequences on marine ecosystem functioningâ€”interplay between nanoflagellates and bacterioplankton. ISME Journal, 2018, 12, 1532-1542. | 4.4 | 63 |
| 2037 | Nonadditive effects of consumption in an intertidal macroinvertebrate community are independent of food availability but driven by complementarity effects. Ecology and Evolution, 2018, 8, 3086-3097. | 0.8 | 1 |
| 2038 | Thermal energy and stress properties as the main drivers of regional distribution of coral species richness in the Indian Ocean. Journal of Biogeography, 2018, 45, 1355-1366. | 1.4 | 9 |
| 2039 | Insect community composition and functional roles along a tropical agricultural production gradient. Environmental Science and Pollution Research, 2018, 25, 13426-13438. | 2.7 | 11 |
| 2040 | Toward a model for local stakeholder participation in landscape-level wildlife conservation. Human Dimensions of Wildlife, 2018, 23, 375-390. | 1.0 | 23 |
| 2041 | Integrated network analysis reveals the importance of microbial interactions for maize growth. Applied Microbiology and Biotechnology, 2018, 102, 3805-3818. | 1.7 | 94 |
| 2042 | Phylogenetic perspectives on reef fish functional traits. Biological Reviews, 2018, 93, 131-151. | 4.7 | 56 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2043 | Changes in humus forms, soil invertebrate communities and soil functioning with forest dynamics. Applied Soil Ecology, 2018, 123, 345-354. | 2.1 | 19 |
| 2044 | Circles, spirals, pyramids and cubes: why the circular economy cannot work. Sustainability Science, 2018, 13, 479-492. | 2.5 | 112 |
| 2045 | Can nutrient enrichment influence the invasion of Phragmites australis?. Science of the Total Environment, 2018, 613-614, 1449-1459. | 3.9 | 58 |
| 2046 | Incorporating ecogeomorphic feedbacks to better understand resiliency in streams: A review and directions forward. Geomorphology, 2018, 305, 123-140. | 1.1 | 31 |
| 2047 | Biodiversity and ecosystem functioning in food webs: the vertical diversity hypothesis. Ecology Letters, 2018, 21, 9-20. | 3.0 | 88 |
| 2048 | Diversity of plant-parasitic nematode communities associated with olive nurseries in Morocco: Origin and environmental impacts. Applied Soil Ecology, 2018, 124, 7-16. | 2.1 | 15 |
| 2049 | Common bats are more abundant within Natura 2000 areas. Biological Conservation, 2018, 217, 66-74. | 1.9 | 42 |
| 2050 | New species of Echinoderes (Kinorhyncha: Cyclorhagida) from Spitsbergen, with additional information about known Arctic species. Marine Biology Research, 2018, 14, 113-147. | 0.3 | 26 |
| 2051 | An a posteriori species clustering for quantifying the effects of species interactions on ecosystem functioning. Methods in Ecology and Evolution, 2018, 9, 704-715. | 2.2 | 12 |
| 2052 | Enzymes catalyzing pre-hydrolysis facilitated the anaerobic fermentation of waste activated sludge with acidogenic and microbiological perspectives. Bioresource Technology, 2018, 250, 69-78. | 4.8 | 52 |
| 2053 | Enhanced bioproduction of short-chain fatty acids from waste activated sludge by potassium ferrate pretreatment. Chemical Engineering Journal, 2018, 332, 456-463. | 6.6 | 109 |
| 2054 | Unfolding the potential of wheat cultivar mixtures: A meta-analysis perspective and identification of knowledge gaps. Field Crops Research, 2018, 221, 298-313. | 2.3 | 100 |
| 2055 | Weed Suppression in Cover Crop Monocultures and Mixtures. Weed Science, 2018, 66, 121-133. | 0.8 | 117 |
| 2056 | Tipping point in plantâ€“fungal interactions under severe drought causes abrupt rise in peatland ecosystem respiration. Global Change Biology, 2018, 24, 972-986. | 4.2 | 98 |
| 2057 | The effect of different carbon sources on water quality, microbial community and structure of biofloc systems. Aquaculture, 2018, 482, 103-110. | 1.7 | 99 |
| 2058 | Estimation of river ecosystem biodiversity based on the Chao estimator. Biodiversity and Conservation, 2018, 27, 205-216. | 1.2 | 13 |
| 2059 | Quantitative predictions from competition theory with an incomplete knowledge of model parameters tested against experiments across diverse taxa. Ecological Modelling, 2018, 368, 104-110. | 1.2 | 15 |
| 2060 | Crop mixtures: does niche complementarity hold for belowground resources? An experimental test using rice genotypic pairs. Plant and Soil, 2018, 424, 187-202. | 1.8 | 28 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2061 | Biogeographical patterns of soil microbial community as influenced by soil characteristics and climate across Chinese forest biomes. Applied Soil Ecology, 2018, 124, 298-305. | 2.1 | 26 |
| 2062 | Food web dynamics in trophic hierarchies. Ecological Modelling, 2018, 368, 94-103. | 1.2 | 10 |
| 2063 | Disturbance disrupts the relation between community similarity and environmental distance at small spatial scale. Ecological Research, 2018, 33, 225-236. | 0.7 | 2 |
| 2064 | Cryptic diversity in Rhampholeon boulengeri (Sauria: Chamaeleonidae), a pygmy chameleon from the Albertine Rift biodiversity hotspot. Molecular Phylogenetics and Evolution, 2018, 122, 125-141. | 1.2 | 17 |
| 2065 | Volatile fatty acid augmentation and microbial community responses in anaerobic co-fermentation process of waste-activated sludge mixed with corn stalk and livestock manure. Environmental Science and Pollution Research, 2018, 25, 4846-4857. | 2.7 | 22 |
| 2066 | Local loss and spatial homogenization of plant diversity reduce ecosystem multifunctionality. Nature Ecology and Evolution, 2018, 2, 50-56. | 3.4 | 172 |
| 2067 | Diverse effects of invasive ecosystem engineers on marine biodiversity and ecosystem functions: A global review and metaâ€analysis. Global Change Biology, 2018, 24, 906-924. | 4.2 | 95 |
| 2068 | Functional and structural responses to marine urbanisation. Environmental Research Letters, 2018, 13, 014009. | 2.2 | 67 |
| 2069 | Short-term effects of prescribed burning on litterfall biomass in mixed stands of Pinus nigra and Pinus pinaster and pure stands of Pinus nigra in the Cuenca Mountains (Central-Eastern Spain). Science of the Total Environment, 2018, 618, 941-951. | 3.9 | 32 |
| 2070 | Management of invasive plants through ecological resistance. Biological Invasions, 2018, 20, 13-27. | 1.2 | 56 |
| 2071 | How effective are plant macrofossils as a proxy for macrophyte presence? The case of Najas flexilis in Scotland. Journal of Paleolimnology, 2018, 60, 153-165. | 0.8 | 3 |
| 2072 | Characterization of benthic habitat settings in a lagoonal ecosystem using free-living nematodes as proxy. Wetlands Ecology and Management, 2018, 26, 175-194. | 0.7 | 3 |
| 2073 | History matters: Heterotrophic microbial community structure and function adapt to multiple stressors. Global Change Biology, 2018, 24, e402-e415. | 4.2 | 35 |
| 2074 | The â€œBiodiversityâ€“Ecosystem function debateâ€: An interdisciplinary dialogue between Ecology, Agricultural Science, and Agroecology. Agroecology and Sustainable Food Systems, 2018, 42, 264-273. | 1.0 | 9 |
| 2075 | Diversity and community structure of marine microbes around the Benham Rise underwater plateau, northeastern Philippines. PeerJ, 2018, 6, e4781. | 0.9 | 19 |
| 2076 | Hidden Diversity of African Yellow House Bats (Vespertilionidae, Scotophilus): Insights From Multilocus Phylogenetics and Lineage Delimitation. Frontiers in Ecology and Evolution, 2018, 6, . | 1.1 | 19 |
| 2077 | Resource stoichiometry shapes community invasion resistance via productivity-mediated species identity effects. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20182035. | 1.2 | 10 |
| 2078 | A Stepwise Approach to Increasing Ecological Complexity in Forest Landscape Restoration. Ecological Restoration, 2018, 36, 174-176. | 0.5 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2079 | Species-Rich National Forests Experience More Intense Human Modification, but Why?. Forests, 2018, 9, 753. | 0.9 | 5 |
| 2081 | Factors Leading Insect Pest Outbreaks and Preventive Pest Management: A Review of Recent Outbreaks of Forage Crop Pests in Japan. Japanese Journal of Applied Entomology and Zoology, 2018, 62, 171-187. | 0.5 | 3 |
| 2082 | OBSOLETE: Systematic Conservation Planning in the Anthropocene. , 2018, , . | | 1 |
| 2083 | Structural characteristics and niches of dominant tree populations in Tetracentron sinense communities: implications for conservation. Botanical Sciences, 2018, 96, 157-167. | 0.3 | 12 |
| 2085 | Introductory Chapter: Evaluation Methods of Ecosystem Services and Their Scientific and Societal Importance in Service of Solving the Global Problems of the Humankind. , 2018, , . | | 0 |
| 2086 | Unicellular Eukaryotic Community Response to Temperature and Salinity Variation in Mesocosm Experiments. Frontiers in Microbiology, 2018, 9, 2444. | 1.5 | 21 |
| 2087 | Efficient Volatile Fatty Acids Production from Waste Activated Sludge after Ferrate Pretreatment with Alkaline Environment and the Responding Microbial Community Shift. ACS Sustainable Chemistry and Engineering, 2018, 6, 16819-16827. | 3.2 | 58 |
| 2088 | Remotely-sensed productivity clusters capture global biodiversity patterns. Scientific Reports, 2018, 8, 16261. | 1.6 | 18 |
| 2089 | Dynamics, Silviculture and Management of Mixed Forests. Managing Forest Ecosystems, 2018, , . | 0.4 | 22 |
| 2090 | Impact of multiple disturbances and stress on the temporal trajectories and resilience of benthic intertidal communities. Ecosphere, 2018, 9, e02467. | 1.0 | 13 |
| 2091 | Biomass-dominant species shape the productivity-diversity relationship in two temperate forests. Annals of Forest Science, 2018, 75, 1. | 0.8 | 19 |
| 2092 | Limited effects of fire disturbances on the species diversity and structure of ant-plant interaction networks in Brazilian Cerrado. Acta Oecologica, 2018, 93, 65-73. | 0.5 | 13 |
| 2093 | Contrasting leaf-trait strategies in dominant liana and tree species of Indian tropical dry evergreen forest. Flora: Morphology, Distribution, Functional Ecology of Plants, 2018, 249, 143-149. | 0.6 | 6 |
| 2094 | Spatial Analysis of Benthic Functional Biodiversity in San Jorge Gulf, Argentina. Oceanography, 2018, 31, 104-112. | 0.5 | 10 |
| 2095 | The Impact of Spatial and Temporal Dimensions of Disturbances on Ecosystem Stability. Frontiers in Ecology and Evolution, 2018, 6, 224. | 1.1 | 38 |
| 2096 | Predicting plant conservation priorities on a global scale. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 13027-13032. | 3.3 | 92 |
| 2097 | Functional biodiversity loss along natural CO2 gradients. Nature Communications, 2018, 9, 5149. | 5.8 | 77 |
| 2098 | Landscape heterogeneity strengthens the relationship between Î²â€diversity and ecosystem function. Ecology, 2018, 99, 2467-2475. | 1.5 | 28 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2099 | Community bioirrigation potential (BIPc), an index to quantify the potential for solute exchange at the sediment-water interface. Marine Environmental Research, 2018, 141, 214-224. | 1.1 | 36 |
| 2100 | Dung burial by roller dung beetles (Coleoptera: Scarabaeinae): An individual and specific-level study. International Journal of Tropical Insect Science, 2018, 38, 373-380. | 0.4 | 10 |
| 2102 | Towards a More Inclusive Genealogy of Resilience. , 0, , 26-57. | | 0 |
| 2103 | Resilience and Security. , 0, , 58-84. | | 0 |
| 2104 | Resilience and Migration. , 0, , 85-101. | | 0 |
| 2105 | Opening up a Resilience Research Agenda. , 0, , 102-116. | | 0 |
| 2108 | Biodiversity, functional redundancy and system stability: subtle connections. Journal of the Royal Society Interface, 2018, 15, 20180367. | 1.5 | 20 |
| 2109 | The Remote Sensing of Biodiversity: From Global to Local Scales. , 2018, , 177-185. | | 1 |
| 2110 | The emergence of heterogeneity in invasive-dominated grassland: a matter of the scale of detection. Landscape Ecology, 2018, 33, 2103-2119. | 1.9 | 9 |
| 2111 | Understanding the Roles of Biodiversity and Functional Diversity in Provision of Co-Benefits by Stormwater Biofilter Plant Communities. , 2018, , . | | 0 |
| 2112 | The Microbiotic Highway to Healthâ€"New Perspective on Food Structure, Gut Microbiota, and Host Inflammation. Nutrients, 2018, 10, 1590. | 1.7 | 45 |
| 2113 | Global warming-induced temperature effects to intertidal tropical and temperate meiobenthic communities. Marine Environmental Research, 2018, 142, 163-177. | 1.1 | 13 |
| 2115 | The Challenges Associated With Connectivity in Ecosystem Processes. Frontiers in Marine Science, 2018, 5, . | 1.2 | 13 |
| 2116 | Loss of biodiversity alters ecosystem function in freshwater streams: potential evidence from benthic macroinvertebrates. Ecosphere, 2018, 9, e02445. | 1.0 | 17 |
| 2117 | CITRATE 1.0: Phytoplankton continuous trait-distribution model with one-dimensional physical transport applied to the North Pacific. Geoscientific Model Development, 2018, 11, 467-495. | 1.3 | 14 |
| 2118 | Linking ecosystem services with epibenthic biodiversity change following installation of offshore wind farms. Environmental Science and Policy, 2018, 89, 340-347. | 2.4 | 42 |
| 2119 | Biodiversity and the Functioning of Ecosystems in the Age of Global Change: Integrating Knowledge Across Scales. , 2018, , 167-178. | | 0 |
| 2120 | Protist species richness and soil microbiome complexity increase towards climax vegetation in the Brazilian Cerrado. Communications Biology, 2018, 1, 135. | 2.0 | 58 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2121 | Social tipping points in animal societies. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181282. | 1.2 | 32 |
| 2122 | The Economics of Resilience. International Review of Environmental and Resource Economics, 2018, 11, 309-353. | 1.5 | 16 |
| 2123 | Effects of heat shock and salinity changes on coastal Mediterranean phytoplankton in a mesocosm experiment. Marine Biology, 2018, 165, 1. | 0.7 | 12 |
| 2125 | Identifying phenological functional types in savanna trees. African Journal of Range and Forage Science, 2018, 35, 81-88. | 0.6 | 5 |
| 2128 | Ectomycorrhizal fungal diversity increases phosphorus uptake efficiency of European beech. New Phytologist, 2018, 220, 1200-1210. | 3.5 | 66 |
| 2129 | Ecology for Sustainable and Multifunctional Agriculture. Sustainable Agriculture Reviews, 2018, , 1-46. | 0.6 | 8 |
| 2130 | From science to application: field demonstrations to enhance sustainable rice production in the north of Vietnamâ€"lessons from the LEGATO project. Paddy and Water Environment, 2018, 16, 353-358. | 1.0 | 3 |
| 2131 | Using food network unfolding to evaluate foodâ€"web complexity in terms of biodiversity: theory and applications. Ecology Letters, 2018, 21, 1065-1074. | 3.0 | 12 |
| 2132 | Agroecological Protection of Mango Orchards in La RÃ©union. Sustainable Agriculture Reviews, 2018, , 249-307. | 0.6 | 5 |
| 2133 | Ecosystem functions including soil organic carbon, total nitrogen and available potassium are crucial for vegetation recovery. Scientific Reports, 2018, 8, 7607. | 1.6 | 41 |
| 2134 | High parasite diversity accelerates host adaptation and diversification. Science, 2018, 360, 907-911. | 6.0 | 108 |
| 2135 | Determining Whether Exotic Cordgrass (Spartina alterniflora) Attracts Carnivorous Macrobenthic Fauna within a Zhanjiang (China) Mangrove Ecosystem. Journal of Coastal Research, 2018, 34, 534. | 0.1 | 10 |
| 2136 | Soil Carbon Stock. , 2018, , 39-136. | | 7 |
| 2137 | Trade-offs and Synergies Between Economic Gains and Plant Diversity Across a Range of Management Alternatives in Boreal Forests. Ecological Economics, 2018, 151, 162-172. | 2.9 | 6 |
| 2138 | Litter chemistry influences decomposition through activity of specific microbial functional guilds. Ecological Monographs, 2018, 88, 429-444. | 2.4 | 87 |
| 2139 | Consequences of phylogenetic conservativeness and functional trait similarity on aboveground biomass vary across subtropical forest strata. Forest Ecology and Management, 2018, 429, 28-35. | 1.4 | 8 |
| 2140 | Toward Better Understanding of EBPR Systems via Linking Raman-Based Phenotypic Profiling with Phylogenetic Diversity. Environmental Science & Technology, 2018, 52, 8596-8606. | 4.6 | 28 |
| 2141 | The role of spider hunting mode on the strength of spiderâ€"plant mutualisms. Oecologia, 2018, 188, 213-222. | 0.9 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2142 | Traits: Structuring Species Information for Discoverability, Navigation and Identification. , 2018, , 93-112. | | 1 |
| 2143 | The Rare Southern Twayblade (Neottia bifolia): Sentinel of Ecosystem Integrity For Sphagnous Swamps. Rhodora, 2018, 120, 117-142. | 0.0 | 1 |
| 2144 | Benthic invertebrate taxonomic and trait associations with land use in an intensively managed watershed: Implications for indicator identification. Ecological Indicators, 2018, 93, 1050-1059. | 2.6 | 43 |
| 2145 | Flammability of Two Mediterranean Mixed Forests: Study of the Non-additive Effect of Fuel Mixtures in Laboratory. Frontiers in Plant Science, 2018, 9, 825. | 1.7 | 11 |
| 2146 | Animal diversity declines with broad-scale homogenization of canopy cover in African savannas. Biological Conservation, 2018, 226, 54-62. | 1.9 | 54 |
| 2147 | The role of plants in bioretention systems; does the science underpin current guidance?. Ecological Engineering, 2018, 120, 532-545. | 1.6 | 73 |
| 2148 | A combinatorial analysis using observational data identifies species that govern ecosystem functioning. PLoS ONE, 2018, 13, e0201135. | 1.1 | 6 |
| 2149 | Taxonomic and phylogenetic diversity of vascular plants at Maâ€™anling volcano urban park in tropical Haikou, China: Reponses to soil properties. PLoS ONE, 2018, 13, e0198517. | 1.1 | 9 |
| 2150 | Biodiversity of cultivable Burkholderia species in Argentinean soils under no-till agricultural practices. PLoS ONE, 2018, 13, e0200651. | 1.1 | 8 |
| 2151 | Effects of Climate Change on Grassland Biodiversity and Productivity: The Need for a Diversity of Models. Agronomy, 2018, 8, 14. | 1.3 | 46 |
| 2152 | Anthropogenic Impacts on Coral Reef Harpacticoid Copepods. Diversity, 2018, 10, 32. | 0.7 | 9 |
| 2153 | Leaf Trait Variation with Environmental Factors at Different Spatial Scales: A Multilevel Analysis Across a Forest-Steppe Transition. Forests, 2018, 9, 122. | 0.9 | 7 |
| 2154 | Testing clustering strategies for metabarcodingâ€based investigation of communityâ€“environment interactions. Molecular Ecology Resources, 2018, 18, 1326-1338. | 2.2 | 35 |
| 2155 | Contrasting responses of bacterial and fungal communities to plant litter diversity in a Mediterranean oak forest. Soil Biology and Biochemistry, 2018, 125, 27-36. | 4.2 | 53 |
| 2157 | Generality of associations between biological richness and the rates of metabolic processes across microbial communities. Environmental Microbiology, 2018, 20, 4356-4368. | 1.8 | 11 |
| 2158 | Systematic Conservation Planning in the Anthropocene. , 2018, , 461-469. | | 2 |
| 2159 | Microscale ecology regulates particulate organic matter turnover in model marine microbial communities. Nature Communications, 2018, 9, 2743. | 5.8 | 107 |
| 2160 | Tree species diversity promotes soil carbon stability by depressing the temperature sensitivity of soil respiration in temperate forests. Science of the Total Environment, 2018, 645, 623-629. | 3.9 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2161 | Do biotic interactions explain zooplankton diversity differences in the Meghna River estuary ecosystems of Bangladesh?. Estuarine, Coastal and Shelf Science, 2018, 212, 146-152. | 0.9 | 10 |
| 2162 | Predicting the effectiveness of oil recovery strategies in the marine polluted environment. Journal of Environmental Management, 2018, 223, 749-757. | 3.8 | 6 |
| 2163 | Difficult decisions: Strategies for conservation prioritization when taxonomic, phylogenetic and functional diversity are not spatially congruent. Biological Conservation, 2018, 225, 128-133. | 1.9 | 82 |
| 2164 | Mycorrhiza in tree diversityâ€“ecosystem function relationships: conceptual framework and experimental implementation. Ecosphere, 2018, 9, e02226. | 1.0 | 49 |
| 2165 | Lignolytic-consortium omics analyses reveal novel genomes and pathways involved in lignin modification and valorization. Biotechnology for Biofuels, 2018, 11, 75. | 6.2 | 65 |
| 2166 | Forest biodiversity, relationships to structural and functional attributes, and stability in New England forests. Forest Ecosystems, 2018, 5, . | 1.3 | 11 |
| 2167 | The relative abundance of alkaneâ€degrading bacteria oscillated similarly to a sinusoidal curve in an artificial ecosystem model from oilâ€well products. Environmental Microbiology, 2018, 20, 3772-3783. | 1.8 | 5 |
| 2168 | Drought negates growth stimulation due to root herbivory in pasture grasses. Oecologia, 2018, 188, 777-789. | 0.9 | 3 |
| 2169 | Social bees are fitter in more biodiverse environments. Scientific Reports, 2018, 8, 12353. | 1.6 | 72 |
| 2170 | Exceptional biodiversity of the cryptofaunal decapods in the Chagos Archipelago, central Indian Ocean. Marine Pollution Bulletin, 2018, 135, 636-647. | 2.3 | 7 |
| 2171 | The soil mite Gaeolaelaps (Hypoaspis) aculeifer (Canestrini) (Acari: Laelapidae) as a predator of the invasive citrus mealybug Delottococcus aberiae (De Lotto) (Hemiptera: Pseudococcidae): Implications for biological control. Biological Control, 2018, 127, 64-69. | 1.4 | 7 |
| 2172 | Biodiversity effects on ecosystem functioning respond unimodally to environmental stress. Ecology Letters, 2018, 21, 1191-1199. | 3.0 | 58 |
| 2173 | Groundwater contamination and land drainage induce divergent responses in boreal spring ecosystems. Science of the Total Environment, 2018, 639, 100-109. | 3.9 | 10 |
| 2174 | Resistance and resilience of small-scale recirculating aquaculture systems (RAS) with or without algae to pH perturbation. PLoS ONE, 2018, 13, e0195862. | 1.1 | 6 |
| 2175 | Discordant scales and the potential pitfalls for human-carnivore conflict mitigation. Biological Conservation, 2018, 224, 170-177. | 1.9 | 25 |
| 2176 | Land-use history drives contemporary pollinator community similarity. Landscape Ecology, 2018, 33, 1335-1351. | 1.9 | 22 |
| 2177 | Conservation and transmission of seed bacterial endophytes across generations following crossbreeding and repeated inbreeding of rice at different geographic locations. MicrobiologyOpen, 2019, 8, e00662. | 1.2 | 43 |
| 2178 | Diversity and forest productivity in a changing climate. New Phytologist, 2019, 221, 50-66. | 3.5 | 275 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2179 | Extinction debt in a biodiversity hotspot: the case of the Chilean Winter Rainfall-Valdivian Forests. Landscape and Ecological Engineering, 2019, 15, 1-12. | 0.7 | 13 |
| 2180 | Global Changes Jeopardize the Trophic Carrying Capacity and Functioning of Estuarine Ecosystems. Ecosystems, 2019, 22, 473-495. | 1.6 | 18 |
| 2181 | Testing for complementarity in phosphorus resource use by mixtures of crop species. Plant and Soil, 2019, 439, 163-177. | 1.8 | 20 |
| 2182 | Reintroduction of freshwater macroinvertebrates: challenges and opportunities. Biological Reviews, 2019, 94, 368-387. | 4.7 | 43 |
| 2183 | Intensification of Ethiopian coffee agroforestry drives impoverishment of the Arabica coffee flower visiting bee and fly communities. Agroforestry Systems, 2019, 93, 1729-1739. | 0.9 | 15 |
| 2184 | Dematerialization and the Circular Economy: Comparing Strategies to Reduce Material Impacts of the Consumer Electronic Product Ecosystem. Journal of Industrial Ecology, 2019, 23, 119-132. | 2.8 | 32 |
| 2185 | Biodiversityâ€“ecosystem functioning relationships in fish communities: biomass is related to evenness and the environment, not to species richness. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191189. | 1.2 | 58 |
| 2186 | Arthropod diversity is governed by bottom-up and top-down forces in a tropical agroecosystem. Agriculture, Ecosystems and Environment, 2019, 285, 106623. | 2.5 | 11 |
| 2187 | High rates of primary production in structurally complex forests. Ecology, 2019, 100, e02864. | 1.5 | 96 |
| 2188 | Microbiome in Plant Health and Disease: Challenges and Opportunities. , 2019, , 191-213. | | 2 |
| 2189 | Microdiversity ensures the maintenance of functional microbial communities under changing environmental conditions. ISME Journal, 2019, 13, 2969-2983. | 4.4 | 121 |
| 2190 | A 40-year review of foodâ€“energyâ€“water nexus literature and its application to the urban scale. Environmental Research Letters, 2019, 14, 073003. | 2.2 | 111 |
| 2191 | Multiple components of plant diversity loss determine herbivore phylogenetic diversity in a subtropical forest experiment. Journal of Ecology, 2019, 107, 2697-2712. | 1.9 | 33 |
| 2192 | How to estimate complementarity and selection effects from an incomplete sample of species. Methods in Ecology and Evolution, 2019, 10, 2141-2152. | 2.2 | 20 |
| 2194 | Transferring biodiversity-ecosystem function research to the management of â€˜real-worldâ€™ ecosystems. Advances in Ecological Research, 2019, 61, 323-356. | 1.4 | 51 |
| 2195 | Nonâ€resource effects of foundation species on metaâ€ecosystem stability and function. Oikos, 2019, 128, 1613-1632. | 1.2 | 7 |
| 2196 | Plant water uptake along a diversity gradient provides evidence for complementarity in hydrological niches. Oikos, 2019, 128, 1748-1760. | 1.2 | 18 |
| 2197 | Global evidence of positive biodiversity effects on spatial ecosystem stability in natural grasslands. Nature Communications, 2019, 10, 3207. | 5.8 | 59 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2198 | Indiaâ€™s bioenergy policy. Energy, Ecology and Environment, 2019, 4, 253-260. | 1.9 | 10 |
| 2199 | Carabid community stability is enhanced by carabid diversity but reduced by aridity in Chinese steppes. Acta Oecologica, 2019, 99, 103450. | 0.5 | 12 |
| 2200 | A multitrophic perspective on biodiversityâ€“ecosystem functioning research. Advances in Ecological Research, 2019, 61, 1-54. | 1.4 | 95 |
| 2201 | Plant species dominance increases pollination complementarity and plant reproductive function. Ecology, 2019, 100, e02749. | 1.5 | 16 |
| 2202 | The impact of agricultural landscape diversification on U.S. crop production. Agriculture, Ecosystems and Environment, 2019, 285, 106615. | 2.5 | 35 |
| 2203 | Insurance value of natural capital. Ecological Economics, 2019, 165, 106388. | 2.9 | 18 |
| 2204 | Developing Designer Microalgae Consortia: A Suitable Approach to Sustainable Wastewater Treatment. , 2019, , 57-80. | | 2 |
| 2205 | Evidence of fish spillover from freshwater protected areas in lakes of eastern Ontario. Aquatic Conservation: Marine and Freshwater Ecosystems, 2019, 29, 1106-1122. | 0.9 | 16 |
| 2206 | Greater than the sum of the parts: how the species composition in different forest strata influence ecosystem function. Ecology Letters, 2019, 22, 1449-1461. | 3.0 | 51 |
| 2207 | Wetlands: Ecosystem Services, Restoration and Wise Use. Ecological Studies, 2019, , . | 0.4 | 12 |
| 2208 | Synchrony patterns reveal different degrees of trophic guild vulnerability after disturbances in a coral reef fish community. Diversity and Distributions, 2019, 25, 1210-1221. | 1.9 | 21 |
| 2209 | Environmental effects on community productivity of aquatic macrophytes are mediated by species and functional composition. Ecohydrology, 2019, 12, e2147. | 1.1 | 8 |
| 2210 | Changes in environmental predictability alter a plantâ€™s chemical composition and associated ecosystem services. Environmental and Experimental Botany, 2019, 168, 103865. | 2.0 | 6 |
| 2211 | Nonlinear deformation and bifurcation of a soft cantilever induced by acoustic radiation force. Europhysics Letters, 2019, 127, 24003. | 0.7 | 0 |
| 2212 | Altitudinal biodiversity patterns of seed plants along Gongga Mountain in the southeastern Qinghaiâ€“Tibetan Plateau. Ecology and Evolution, 2019, 9, 9586-9596. | 0.8 | 26 |
| 2213 | Microbial functional diversity: From concepts to applications. Ecology and Evolution, 2019, 9, 12000-12016. | 0.8 | 133 |
| 2214 | A structural equationÂmodel linking past and present plant diversity in Alaska: a framework for evaluating future change. Ecosphere, 2019, 10, e02832. | 1.0 | 6 |
| 2215 | Contribution of the land use allocation model for agroecosystems: The case of Torrecchia Vecchia. Journal of Environmental Management, 2019, 252, 109607. | 3.8 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2216 | Effects of an experimental oil spill on the structure and function of benthic assemblages with different history of exposure to oil perturbation. Marine Environmental Research, 2019, 152, 104822. | 1.1 | 6 |
| 2217 | SGSF. , 2019, , . | | 2 |
| 2218 | Biotic Versus Abiotic Control of Primary Production Identified in a Common Garden Experiment. Scientific Reports, 2019, 9, 11961. | 1.6 | 1 |
| 2219 | Effect of carbon and nitrogen ratio control on Artemia growth, water quality, biofloc microbial diversity under high salinity and zero-water exchange culture condition. Journal of Oceanology and Limnology, 2019, 37, 1768-1776. | 0.6 | 3 |
| 2220 | The value of understanding feedbacks from ecosystem functions to species for managing ecosystems. Nature Communications, 2019, 10, 3901. | 5.8 | 19 |
| 2221 | Non-trophic interactions strengthen the diversityâ€"functioning relationship in an ecological bioenergetic network model. PLoS Computational Biology, 2019, 15, e1007269. | 1.5 | 19 |
| 2222 | Temporal stability of aboveground biomass is governed by species asynchrony in temperate forests. Ecological Indicators, 2019, 107, 105661. | 2.6 | 23 |
| 2223 | Response of a coastal Baltic Sea diatom-dominated phytoplankton community to experimental heat shock and changing salinity. Oecologia, 2019, 191, 461-474. | 0.9 | 3 |
| 2224 | The effects of habitat loss and fragmentation on plant functional traits and functional diversity: what do we know so far?. Oecologia, 2019, 191, 505-518. | 0.9 | 59 |
| 2225 | Drivers of phytoplankton production and community structure in nutrient-poor estuaries receiving terrestrial organic inflow. Marine Environmental Research, 2019, 151, 104778. | 1.1 | 18 |
| 2226 | The effect of tree diversity on the resistance and recovery of forest stands in the French Alps may depend on species differences in hydraulic features. Forest Ecology and Management, 2019, 450, 117486. | 1.4 | 19 |
| 2227 | Linking landscape ecology and land system architecture for land system science: an introduction to the special issue. Journal of Land Use Science, 2019, 14, 123-134. | 1.0 | 7 |
| 2228 | Integrative models explain the relationships between species richness and productivity in plant communities. Scientific Reports, 2019, 9, 13730. | 1.6 | 5 |
| 2229 | Understory plant communities vary with tree productivity in two reclaimed boreal upland forest types in Canada. Forest Ecology and Management, 2019, 453, 117577. | 1.4 | 3 |
| 2230 | Carbon-nutrient stoichiometry drives phosphorus immobilization in phototrophic biofilms at the soil-water interface in paddy fields. Water Research, 2019, 167, 115129. | 5.3 | 28 |
| 2231 | Connecting metapopulation heterogeneity to aggregated lifetime statistics. Ecological Complexity, 2019, 39, 100777. | 1.4 | 3 |
| 2232 | Multiple facets of stream macroinvertebrate alpha diversity are driven by different ecological factors across an extensive altitudinal gradient. Ecology and Evolution, 2019, 9, 1306-1322. | 0.8 | 34 |
| 2233 | Are drivers of root-associated fungal community structure context specific?. ISME Journal, 2019, 13, 1330-1344. | 4.4 | 57 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2234 | Spatio-temporal microbial community dynamics within soil aggregates. Soil Biology and Biochemistry, 2019, 132, 58-68. | 4.2 | 98 |
| 2235 | Atlas of Ecosystem Services. , 2019, , . | | 28 |
| 2236 | Unicellular Cyanobacteria Are Important Components of Phytoplankton Communities in Australiaâ€™s Northern Oceanic Ecoregions. Frontiers in Microbiology, 2018, 9, 3356. | 1.5 | 12 |
| 2237 | Microbial decomposition of biomass residues mitigated hydrogeochemical dynamics in strongly alkaline bauxite residues. Science of the Total Environment, 2019, 663, 216-226. | 3.9 | 38 |
| 2238 | Effect of river restoration on life-history strategies in fish communities. Science of the Total Environment, 2019, 663, 486-495. | 3.9 | 14 |
| 2239 | The functional roles of mammals in ecosystems. Journal of Mammalogy, 2019, 100, 942-964. | 0.6 | 116 |
| 2240 | Ginkgo agroforestry practices alter the fungal community structures at different soil depths in Eastern China. Environmental Science and Pollution Research, 2019, 26, 21253-21263. | 2.7 | 10 |
| 2241 | Evidence for fungi and gold redox interaction under Earth surface conditions. Nature Communications, 2019, 10, 2290. | 5.8 | 25 |
| 2242 | Nutrients Drive the Structures of Bacterial Communities in Sediments and Surface Waters in the River-Lake System of Poyang Lake. Water (Switzerland), 2019, 11, 930. | 1.2 | 27 |
| 2243 | Tropical forest conversion to rubber plantation in southwest China results in lower fungal beta diversity and reduced network complexity. FEMS Microbiology Ecology, 2019, 95, . | 1.3 | 36 |
| 2244 | Multiâ€trophic Î²â€diversity mediates the effect of environmental gradients on the turnover of multiple ecosystem functions. Functional Ecology, 2019, 33, 2053-2064. | 1.7 | 26 |
| 2245 | A way forward with eco evo devo: an extended theory of resource polymorphism with postglacial fishes as model systems. Biological Reviews, 2019, 94, 1786-1808. | 4.7 | 88 |
| 2246 | Not even wrong: Comment by Loreau and Hector. Ecology, 2019, 100, e02794. | 1.5 | 13 |
| 2247 | Assessing the utility of conserving evolutionary history. Biological Reviews, 2019, 94, 1740-1760. | 4.7 | 65 |
| 2248 | Environmental heterogeneity mediates scale-dependent declines in kelp diversity on intertidal rocky shores. PLoS ONE, 2019, 14, e0213191. | 1.1 | 35 |
| 2249 | Degradation of Ecosystem Services and Deforestation in Landscapes With and Without Incentive-Based Forest Conservation in the Ecuadorian Amazon. Forests, 2019, 10, 442. | 0.9 | 27 |
| 2250 | Highâ€resolution peat volume change in a northern peatland: Spatial variability, main drivers, and impact on ecohydrology. Ecohydrology, 2019, 12, e2114. | 1.1 | 14 |
| 2251 | Early positive effects of tree species richness on soil organic carbon accumulation in a large-scale forest biodiversity experiment. Journal of Plant Ecology, 2019, 12, 882-893. | 1.2 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2252 | The diversity of benthic diatoms affects ecosystem productivity in heterogeneous coastal environments. Ecology, 2019, 100, e02765. | 1.5 | 34 |
| 2253 | Anthropogenic pressure explains variations in the biodiversity of pond communities along environmental gradients: a case study in south-eastern Serbia. Hydrobiologia, 2019, 838, 65-83. | 1.0 | 13 |
| 2254 | Community structure and functional diversity of epiphytic bacteria and planktonic bacteria on submerged macrophytes in Caohai Lake, southwest of China. Annals of Microbiology, 2019, 69, 933-944. | 1.1 | 44 |
| 2255 | The effects of functional diversity on biomass production, variability, and resilience of ecosystem functions in a tritrophic system. Scientific Reports, 2019, 9, 7541. | 1.6 | 15 |
| 2256 | Application of Microalgae in Wastewater Treatment. , 2019, , . | | 10 |
| 2257 | Reconstructing hyperdiverse food webs: Gut content metabarcoding as a tool to disentangle trophic interactions on coral reefs. Methods in Ecology and Evolution, 2019, 10, 1157-1170. | 2.2 | 75 |
| 2258 | Mediterranean coastal conditions and litter type drive litter microbial responses to drought stress. European Journal of Soil Science, 2019, , . | 1.8 | 8 |
| 2259 | The Use of Phylogenetic Diversity in Conservation Biology and Community Ecology: A Common Base but Different Approaches. Quarterly Review of Biology, 2019, 94, 123-148. | 0.0 | 32 |
| 2260 | Higher species diversity improves soil water infiltration capacity by increasing soil organic matter content in semiarid grasslands. Land Degradation and Development, 2019, 30, 1599-1606. | 1.8 | 42 |
| 2261 | A height-wood-seed axis which is preserved across climatic regions explains tree dominance in European forest communities. Plant Ecology, 2019, 220, 467-480. | 0.7 | 4 |
| 2262 | Community disassembly and disease: realisticâ€”but not randomizedâ€”biodiversity losses enhance parasite transmission. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190260. | 1.2 | 30 |
| 2263 | Patterns and drivers of stream benthic macroinvertebrate beta diversity in an agricultural landscape. Hydrobiologia, 2019, 837, 61-75. | 1.0 | 16 |
| 2264 | Biodiversity and agriculture. , 2019, , 39-59. | | 1 |
| 2265 | Artificial Microbial Arenas: Materials for Observing and Manipulating Microbial Consortia. Advanced Materials, 2019, 31, 1900284. | 11.1 | 30 |
| 2266 | The effect of cyanobacterial blooms on bio- and functional diversity of zooplankton communities. Biodiversity and Conservation, 2019, 28, 1815-1835. | 1.2 | 34 |
| 2267 | The number of cultivars in varietal winter-wheat mixtures influence aboveground biomass and grain yield in North China. Plant and Soil, 2019, 439, 131-143. | 1.8 | 10 |
| 2268 | Plant biomass, rather than species composition, determines ecosystem properties: Results from a longâ€term graminoid removal experiment in a northern Canadian grassland. Journal of Ecology, 2019, 107, 2211-2225. | 1.9 | 7 |
| 2269 | Anthropogenic Impacts on Soil Fauna Assemblages. , 2019, , 192-220. | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2270 | Temporal Changes in Species, Phylogenetic, and Functional Diversity of Temperate Tree Communities: Insights From Assembly Patterns. Frontiers in Plant Science, 2019, 10, 294. | 1.7 | 15 |
| 2271 | Foundation Species, Non-trophic Interactions, and the Value of Being Common. IScience, 2019, 13, 254-268. | 1.9 | 144 |
| 2272 | Soil and Its Fauna. , 2019, , 1-41. | | 1 |
| 2273 | Functional Roles of Soil Fauna. , 2019, , 42-85. | | 0 |
| 2274 | Soil Fauna Biogeography and Macroecology. , 2019, , 121-151. | | 0 |
| 2276 | Larger Area Facilitates Richness-Function Effects in Experimental Microcosms. American Naturalist, 2019, 193, 738-747. | 1.0 | 4 |
| 2277 | Robots mediating interactions between animals for interspecies collective behaviors. Science Robotics, 2019, 4, . | 9.9 | 40 |
| 2279 | Approaches to Studying Soil Fauna and Its Functional Roles. , 2019, , 86-120. | | 1 |
| 2280 | Soil Fauna Assemblages at Fine Scales to Landscapes. , 2019, , 152-191. | | 0 |
| 2281 | Climate Change Impacts on Soil Fauna. , 2019, , 221-245. | | 1 |
| 2282 | Soil Fauna Assemblage Succession and Restoration. , 2019, , 246-267. | | 0 |
| 2283 | The Future of Soil Fauna Assemblages. , 2019, , 268-290. | | 0 |
| 2285 | Evergreenness influences fine root growth more than tree diversity in a common garden experiment. Oecologia, 2019, 189, 1027-1039. | 0.9 | 15 |
| 2286 | Transgressive overyielding in mixed compared with monospecific Scots pine (Pinus sylvestris L.) and oak (Quercus robur L., Quercus petraea (Matt.) Liebl.) stands â€“ Productivity gains increase with annual water supply. Forest Ecology and Management, 2019, 439, 81-96. | 1.4 | 33 |
| 2287 | Isotopic variance among plant lipid homologues correlates with biodiversity patterns of their source communities. PLoS ONE, 2019, 14, e0212211. | 1.1 | 11 |
| 2288 | Exploring the Sensitivity of Subtropical Stand Aboveground Productivity to Local and Regional Climate Signals in South China. Forests, 2019, 10, 71. | 0.9 | 2 |
| 2289 | Spatial and temporal patterns of public and private land protection within the Blue Ridge and Piedmont ecoregions of the eastern US. Landscape and Urban Planning, 2019, 186, 91-102. | 3.4 | 7 |
| 2290 | Insights into microbial community profiles associated with electric energy production in microbial fuel cells fed with food waste hydrolysate. Science of the Total Environment, 2019, 670, 50-58. | 3.9 | 30 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2291 | Cross-boundary human impacts compromise the Serengeti-Mara ecosystem. Science, 2019, 363, 1424-1428. | 6.0 | 160 |
| 2292 | Large-scale predictions of salt-marsh carbon stock based on simple observations of plant community and soil type. Biogeosciences, 2019, 16, 425-436. | 1.3 | 25 |
| 2293 | Interaction of livestock grazing and rainfall manipulation enhances herbaceous species diversity and aboveground biomass in a humid savanna. Journal of Plant Research, 2019, 132, 345-358. | 1.2 | 3 |
| 2294 | The Impact of Climate Change on Hydroecological Response in Chalk Streams. Water (Switzerland), 2019, 11, 596. | 1.2 | 9 |
| 2295 | Small mammal herbivores mediate the effects of soil nitrogen and invertebrate herbivores on grassland diversity. Ecology and Evolution, 2019, 9, 3577-3587. | 0.8 | 10 |
| 2296 | Diversity of foraging strategies and responses to predator interference in seed-eating carabid beetles. Basic and Applied Ecology, 2019, 36, 13-24. | 1.2 | 13 |
| 2297 | Relationship between ecological condition and ecosystem services in European rivers, lakes and coastal waters. Science of the Total Environment, 2019, 671, 452-465. | 3.9 | 184 |
| 2298 | Effects of contrasting precipitation patterns on the trajectory of actively growing and inactive microbial communities after rewetting. Soil Biology and Biochemistry, 2019, 134, 172-174. | 4.2 | 5 |
| 2299 | Legumes regulate grassland soil N cycling and its response to variation in species diversity and N supply but not CO<sub>2</sub>. Global Change Biology, 2019, 25, 2396-2409. | 4.2 | 21 |
| 2300 | Tree species diversity impacts average radial growth of beech and oak trees in Belgium, not their long-term growth trend. Forest Ecosystems, 2019, 6, . | 1.3 | 13 |
| 2301 | Stability of Afromontane ant diversity decreases across an elevation gradient. Global Ecology and Conservation, 2019, 17, e00596. | 1.0 | 8 |
| 2302 | Seasonal patterns in species diversity across biomes. Ecology, 2019, 100, e02627. | 1.5 | 21 |
| 2303 | Biodiversity and ecosystem functioning in naturally assembled communities. Biological Reviews, 2019, 94, 1220-1245. | 4.7 | 403 |
| 2304 | The influence of distance to perennial surface water on ant communities in Mopane woodlands, northern Botswana. Ecology and Evolution, 2019, 9, 154-165. | 0.8 | 5 |
| 2305 | Body size mediates the relationship between spider (Arachnida: Araneae) assemblage composition and prey consumption rate: results of a mesocosm experiment in the Yukon, Canada. Oecologia, 2019, 189, 757-768. | 0.9 | 4 |
| 2306 | Tree species diversity facilitates conservation efforts of European yew. Biodiversity and Conservation, 2019, 28, 791-810. | 1.2 | 8 |
| 2307 | Food web rewiring in a changing world. Nature Ecology and Evolution, 2019, 3, 345-354. | 3.4 | 200 |
| 2308 | Dualâ€Stimuliâ€Responsive Gut Microbiotaâ€Targeting Berberineâ€CS/PTâ€NPs Improved Metabolic Status in Obese Hamsters. Advanced Functional Materials, 2019, 29, 1808197. | 7.8 | 37 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2309 | Multiscale spatial patterns of species diversity and biomass together with their correlations along geographical gradients in subalpine meadows. PLoS ONE, 2019, 14, e0211560. | 1.1 | 10 |
| 2310 | Unimodal diversity-productivity relationship emerged under stressful environment through sampling effect. Ecological Informatics, 2019, 50, 131-135. | 2.3 | 2 |
| 2311 | Interactions within the microbiome alter microbial interactions with host chemical defences and affect disease in a marine holobiont. Scientific Reports, 2019, 9, 1363. | 1.6 | 77 |
| 2312 | Long-term records of hard-bottom communities in the southwestern Baltic Sea reveal the decline of a foundation species. Estuarine, Coastal and Shelf Science, 2019, 219, 242-251. | 0.9 | 10 |
| 2313 | Both mass ratio effects and community diversity drive biomass production in a grassland experiment. Scientific Reports, 2019, 9, 1848. | 1.6 | 37 |
| 2314 | Biotic interactions are an unexpected yet critical control on the complexity of an abiotically driven polar ecosystem. Communications Biology, 2019, 2, 62. | 2.0 | 42 |
| 2315 | Local grassland restoration affects insect communities. Ecological Entomology, 2019, 44, 471-479. | 1.1 | 11 |
| 2316 | Tree mycorrhizal associations mediate soil fertility effects on forest community structure in a temperate forest. New Phytologist, 2019, 223, 475-486. | 3.5 | 39 |
| 2317 | Pesticide consumption and threats to biodiversity. , 2019, , 39-73. | | 2 |
| 2318 | A Framework to Advance the Understanding of the Ecological Effects of Extreme Climate Events. Sustainability, 2019, 11, 5954. | 1.6 | 4 |
| 2319 | Plant diversity and profile distribution of some available micronutrients in selected soils of Kano State, Nigeria. Bayero Journal of Pure and Applied Sciences, 2019, 11, 20. | 0.1 | 0 |
| 2320 | Crop Rotation Compared with Continuous Rye Cropping for Weed Biodiversity and Rye Yield. A Case Study of a Long-Term Experiment in Poland. Agronomy, 2019, 9, 644. | 1.3 | 5 |
| 2321 | Global environmental changes negatively impact temperate seagrass ecosystems. Ecosphere, 2019, 10, e02986. | 1.0 | 14 |
| 2322 | Ecological assessment of plant diversity and associated edaphic and topographic variables in the Gra-Kahsu forests of Ethiopia. Journal of Horticulture and Forestry, 2019, 11, 8-18. | 0.8 | 1 |
| 2323 | A processâ€based model supports an association between dispersal and the prevalence of species traits in tropical reef fish assemblages. Ecography, 2019, 42, 2095-2106. | 2.1 | 13 |
| 2324 | Gaming Green: The Educational Potential of Eco â€“ A Digital Simulated Ecosystem. Frontiers in Psychology, 2019, 10, 2846. | 1.1 | 22 |
| 2325 | Exploring the Relationships between Key Ecological Indicators to Improve Natural Conservation Planning at Different Scales. Forests, 2019, 10, 32. | 0.9 | 9 |
| 2326 | Using functional traits to assess the influence of burrowing bivalves on nitrogen-removal in streams. Biogeochemistry, 2019, 146, 125-143. | 1.7 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2327 | The Influence of Tree Structural and Species Diversity on Temperate Forest Productivity and Stability in Korea. Forests, 2019, 10, 1113. | 0.9 | 14 |
| 2328 | Using recirculating flumes and a response surface model to investigate the role of hyporheic exchange and bacterial diversity on micropollutant half-lives. Environmental Sciences: Processes and Impacts, 2019, 21, 2093-2108. | 1.7 | 27 |
| 2329 | Understanding and optimizing species mixtures using functionalâ€“structural plant modelling. Journal of Experimental Botany, 2019, 70, 2381-2388. | 2.4 | 54 |
| 2330 | A global meta-analysis of the economic values of provisioning and cultural ecosystem services. Science of the Total Environment, 2019, 649, 1293-1298. | 3.9 | 22 |
| 2331 | The contrasting roles of host species diversity and parasite population genetic diversity in the infection dynamics of a keystone parasitic plant. Journal of Ecology, 2019, 107, 23-33. | 1.9 | 4 |
| 2332 | Facilitation beyond species richness. Journal of Ecology, 2019, 107, 722-734. | 1.9 | 28 |
| 2333 | Environmental DNA (eDNA) metabarcoding reveals strong discrimination among diverse marine habitats connected by water movement. Molecular Ecology Resources, 2019, 19, 426-438. | 2.2 | 180 |
| 2334 | â€œUnifyingâ€•the Concept of Resource Use Efficiency in Ecology. Frontiers in Ecology and Evolution, 2019, 6, . | 1.1 | 55 |
| 2335 | Direct and indirect effects of plant and frugivore diversity on structural and functional components of fruit removal by birds. Oecologia, 2019, 189, 435-445. | 0.9 | 15 |
| 2336 | Metabolic impacts of climate change on marine ecosystems: Implications for fish communities and fisheries. Global Ecology and Biogeography, 2019, 28, 158-169. | 2.7 | 62 |
| 2337 | Phylogenetic diversity correlated with aboveâ€ground biomass production during forest succession: Evidence from tropical forests in Southeast Asia. Journal of Ecology, 2019, 107, 1419-1432. | 1.9 | 32 |
| 2338 | The biotic and abiotic drivers of â€˜livingâ€™ diversity in the deadly traps of Nepenthes pitcher plants. Biodiversity and Conservation, 2019, 28, 345-362. | 1.2 | 6 |
| 2339 | Flowerâ€visitor communities of an arctoâ€alpine plantâ€”Global patterns in species richness, phylogenetic diversity and ecological functioning. Molecular Ecology, 2019, 28, 318-335. | 2.0 | 15 |
| 2340 | Environmental and spatial variables determine the taxonomic but not functional structure patterns of microbial communities in alpine grasslands. Science of the Total Environment, 2019, 654, 960-968. | 3.9 | 11 |
| 2341 | The use of rarefaction and extrapolation as methods of estimating the effects of river eutrophication on macrophyte diversity. Biodiversity and Conservation, 2019, 28, 385-400. | 1.2 | 21 |
| 2342 | Does species richness affect the growth and water quality of submerged macrophyte assemblages?. Aquatic Botany, 2019, 153, 51-57. | 0.8 | 28 |
| 2343 | Shifts in forest composition in the eastern United States. Forest Ecology and Management, 2019, 433, 176-183. | 1.4 | 46 |
| 2344 | Forest stand structure and functioning: Current knowledge and future challenges. Ecological Indicators, 2019, 98, 665-677. | 2.6 | 107 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2345 | Synthetic Biology Tools to Engineer Microbial Communities for Biotechnology. Trends in Biotechnology, 2019, 37, 181-197. | 4.9 | 309 |
| 2346 | Temporal Variability of Primary Production Explains Marine Ecosystem Structure and Function. Ecosystems, 2019, 22, 331-345. | 1.6 | 7 |
| 2347 | The phosphorus dilemma in organically farmed grasslands â€“ are legume presence and phytodiversity incompatible?. Ecosystems and People, 2019, 15, 61-73. | 1.3 | 1 |
| 2348 | Identification of hotspots of at-risk terrestrial vertebrate species in the south-central Great Plains of North America: A tool to inform and address regional-scale conservation. Journal for Nature Conservation, 2019, 50, 125684. | 0.8 | 3 |
| 2349 | Linking understory species diversity, communityâ€level traits and productivity in a Chinese boreal forest. Journal of Vegetation Science, 2019, 30, 247-256. | 1.1 | 8 |
| 2350 | Multiple abiotic and biotic drivers of aboveground biomass shift with forest stratum. Forest Ecology and Management, 2019, 436, 1-10. | 1.4 | 43 |
| 2351 | Monitoring shallow benthic fish assemblages in the Laurentian Great Lakes using baited photoquadrats: Enhancing traditional fisheries monitoring methods. Journal of Great Lakes Research, 2019, 45, 333-339. | 0.8 | 2 |
| 2352 | Intraguild predation enhances biodiversity and functioning in complex food webs. Ecology, 2019, 100, e02616. | 1.5 | 26 |
| 2353 | Parameterization of biodiversityâ€“productivity relationship and its scale dependency using georeferenced treeâ€level data. Journal of Ecology, 2019, 107, 1106-1119. | 1.9 | 34 |
| 2354 | Multiâ€faceted impacts of native and invasive alien decapod species on freshwater biodiversity and ecosystem functioning. Freshwater Biology, 2019, 64, 461-473. | 1.2 | 12 |
| 2355 | Impacts of grazing exclusion on productivity partitioning along regional plant diversity and climatic gradients in Tibetan alpine grasslands. Journal of Environmental Management, 2019, 231, 635-645. | 3.8 | 34 |
| 2356 | Effect of phytoplankton size diversity on primary productivity in the North Pacific: trait distributions under environmental variability. Ecology Letters, 2019, 22, 56-66. | 3.0 | 36 |
| 2357 | Climate and soils determine aboveground biomass indirectly via species diversity and stand structural complexity in tropical forests. Forest Ecology and Management, 2019, 432, 823-831. | 1.4 | 93 |
| 2358 | Salt in freshwaters: causes, effects and prospects - introduction to the theme issue. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180002. | 1.8 | 110 |
| 2359 | Consequences of habitat change in euromediterranean landscapes on the composition and diversity of dung beetle assemblages (Coleoptera, Scarabaeoidea). Journal of Insect Conservation, 2019, 23, 15-28. | 0.8 | 8 |
| 2360 | Environmental DNA metabarcoding studies are critically affected by substrate selection. Molecular Ecology Resources, 2019, 19, 366-376. | 2.2 | 105 |
| 2361 | Variation in fine root biomass along a 1000â€km long latitudinal climatic gradient in mixed boreal forests of North-East Europe. Forest Ecology and Management, 2019, 432, 649-655. | 1.4 | 20 |
| 2362 | Effects of nutrient enrichment on primary and secondary productivity in a subtropical floodplain system: an experimental approach. Hydrobiologia, 2019, 827, 171-181. | 1.0 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2363 | Ordered diatom species loss along a total phosphorus gradient in eutrophic lakes of the lower Yangtze River basin, China. Science of the Total Environment, 2019, 650, 1688-1695. | 3.9 | 23 |
| 2364 | Livestock Effects on Genetic Variation of Creosote Bushes in Patagonian Rangelands. Environmental Conservation, 2019, 46, 59-66. | 0.7 | 7 |
| 2365 | Spatial scaling of species richnessâ€“productivity relationships for local communities: analytical results from a neutral model. Theoretical Ecology, 2020, 13, 93-103. | 0.4 | 4 |
| 2367 | Plant Traits Rather than Species Richness Explain Ecological Processes in Subtropical Forests. Ecosystems, 2020, 23, 52-66. | 1.6 | 27 |
| 2368 | Impact of climate change on the hydrological dynamics of River Ganga, India. Journal of Water and Climate Change, 2020, 11, 274-290. | 1.2 | 42 |
| 2369 | Intensive management and declines in soil nutrients lead to serious exotic plant invasion in Eucalyptus plantations under successive shortâ€rotation regimes. Land Degradation and Development, 2020, 31, 297-310. | 1.8 | 25 |
| 2370 | Temperature change as a driver of spatial patterns and longâ€term trends in chironomid (Insecta:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 4.2 | 39 |
| 2371 | Pests, but not predators, increase in mixed fruit treeâ€“vegetable plots compared to control vegetable plots in a Mediterranean climate. Agroforestry Systems, 2020, 94, 627-638. | 0.9 | 3 |
| 2372 | Key Species Superpose the Effect of Species Richness and Species Interaction on Carbon Fluxes in a Restored Minerotrophic Peatland. Wetlands, 2020, 40, 333-349. | 0.7 | 3 |
| 2373 | Disturbance and competition drive diversity effects in cabbageâ€“aphidâ€“onion systems with intra-specific genetic variation. Bulletin of Entomological Research, 2020, 110, 123-135. | 0.5 | 1 |
| 2374 | Consequences of microbial diversity in forest nitrogen cycling: diverse ammonifiers and specialized ammonia oxidizers. ISME Journal, 2020, 14, 12-25. | 4.4 | 61 |
| 2375 | Predator richness predicts pest suppression within organic and conventional summer squash (Cucurbita pepo L. Cucurbitales: Cucurbitaceae). Agriculture, Ecosystems and Environment, 2020, 287, 106689. | 2.5 | 14 |
| 2376 | Impact of willow-based grassland alley cropping in relation to its plant species diversity on soil ecology of former arable land. Applied Soil Ecology, 2020, 147, 103373. | 2.1 | 8 |
| 2377 | Biodegradability of wastewater determines microbial assembly mechanisms in full-scale wastewater treatment plants. Water Research, 2020, 169, 115276. | 5.3 | 109 |
| 2378 | Effects of landscape composition on bee communities and coffee pollination in Coffea arabica production forests in southwestern Ethiopia. Agriculture, Ecosystems and Environment, 2020, 288, 106706. | 2.5 | 17 |
| 2379 | Responses of diversity, productivity, and stability to the nitrogen input in a tropical grassland. Ecological Applications, 2020, 30, e02037. | 1.8 | 7 |
| 2380 | How neighbourhood interactions control the temporal stability and resilience to drought of trees in mountain forests. Journal of Ecology, 2020, 108, 666-677. | 1.9 | 22 |
| 2381 | Interannual variation in filling season affects zooplankton diversity in Mediterranean temporary ponds. Hydrobiologia, 2020, 847, 1195-1205. | 1.0 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2382 | Holistic pelagic biodiversity monitoring of the Black Sea via eDNA metabarcoding approach: From bacteria to marine mammals. Environment International, 2020, 135, 105307. | 4.8 | 58 |
| 2383 | Global social and environmental change drives the management and delivery of ecosystem services from urban gardens: A case study from Central Coast, California. Global Environmental Change, 2020, 60, 102006. | 3.6 | 42 |
| 2384 | Comparing observer performance in vegetation records by efficiency graphs derived from rarefaction curves. Ecological Indicators, 2020, 109, 105790. | 2.6 | 5 |
| 2385 | Thermal niche diversity and trophic redundancy drive neutral effects of warming on energy flux through a stream food web. Ecology, 2020, 101, e02952. | 1.5 | 7 |
| 2386 | Mixed-species plantations can alleviate water stress on the Loess Plateau. Forest Ecology and Management, 2020, 458, 117767. | 1.4 | 45 |
| 2387 | Multitrophic interactions drive body size variations in seedâ€feeding insects. Ecological Entomology, 2020, 45, 538-546. | 1.1 | 4 |
| 2388 | Biomass allocation and productivityâ€“richness relationship across four grassland types at the Qinghai Plateau. Ecology and Evolution, 2020, 10, 506-516. | 0.8 | 14 |
| 2389 | Mismatched outcomes for biodiversity and ecosystem services: testing the responses of crop pollinators and wild bee biodiversity to habitat enhancement. Ecology Letters, 2020, 23, 326-335. | 3.0 | 41 |
| 2390 | Tree derived soil carbon is enhanced by tree species richness and functional diversity. Plant and Soil, 2020, 446, 457-469. | 1.8 | 7 |
| 2391 | Can taxonomic and functional metrics explain variation in the ecological uniqueness of ecologically-associated animal groups in a modified rainforest?. Science of the Total Environment, 2020, 708, 135171. | 3.9 | 13 |
| 2392 | Harmful algal blooms significantly reduce the resource use efficiency in a coastal plankton community. Science of the Total Environment, 2020, 704, 135381. | 3.9 | 31 |
| 2393 | Species richness influences the spatial distribution of trees in European forests. Oikos, 2020, 129, 380-390. | 1.2 | 9 |
| 2394 | Application of an enrichment culture of the marine anammox bacterium â€œCa. Scalindua sp. AMX11â€•for nitrogen removal under moderate salinity and in the presence of organic carbon. Water Research, 2020, 170, 115345. | 5.3 | 38 |
| 2395 | Tree Community Assemblage and Abiotic Variables in Tropical Moist Deciduous Forest of Himalayan Terai Eco-Region. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2020, 90, 873-883. | 0.4 | 5 |
| 2396 | Organic but Also Low-Input Conventional Farming Systems Support High Biodiversity of Weed Species in Winter Cereals. Agriculture (Switzerland), 2020, 10, 413. | 1.4 | 12 |
| 2397 | Continuous Cropping Alters Multiple Biotic and Abiotic Indicators of Soil Health. Soil Systems, 2020, 4, 59. | 1.0 | 63 |
| 2398 | Ecosystem Service Multifunctionality: Decline and Recovery Pathways in the Amazon and ChocÃ³ Lowland Rainforests. Sustainability, 2020, 12, 7786. | 1.6 | 13 |
| 2399 | Rhizobacterial species richness improves sorghum growth and soil nutrient synergism in a nutrient-poor greenhouse soil. Scientific Reports, 2020, 10, 15454. | 1.6 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2400 | Taxonomic and functional response of estuarine benthic communities to experimental organic enrichment: Consequences for ecosystem function. Journal of Experimental Marine Biology and Ecology, 2020, 532, 151455. | 0.7 | 9 |
| 2401 | The influence of herbaceous vegetation on slope stability â€“ A review. Earth-Science Reviews, 2020, 209, 103328. | 4.0 | 68 |
| 2402 | Individual species provide multifaceted contributions to the stability of ecosystems. Nature Ecology and Evolution, 2020, 4, 1594-1601. | 3.4 | 48 |
| 2403 | Structural stability: Concepts, methods, and applications. Biodiversity Science, 2020, 28, 1345-1361. | 0.2 | 5 |
| 2404 | Ecological Synthesis and Its Role in Advancing Knowledge. BioScience, 0, , . | 2.2 | 4 |
| 2405 | Exploring flow-biofilm-sediment interactions: Assessment of current status and future challenges. Water Research, 2020, 185, 116182. | 5.3 | 22 |
| 2406 | Metagenomics analysis of soil microbial communities in plant agroforestry system rubber tree (Hevea) Tj ETQq0 0 0 rgBT /Overlock 10 T<br>012045. | 0.2 | 4 |
| 2407 | The succession of bacterial and fungal communities during decomposition of two hygrophytes in a freshwater lake wetland. Ecosphere, 2020, 11, e03242. | 1.0 | 7 |
| 2408 | Size variation does not act as insurance in bumble bees; instead, workers add weight in an unpredictable environment. Animal Behaviour, 2020, 170, 99-109. | 0.8 | 9 |
| 2409 | DNA barcoding reveals cryptic diversity in the underestimated genus Triplophysa (Cypriniformes:) Tj ETQq1 1 0.784314 rgBT /Overloc<br>2020, 20, 151. | 3.2 | 19 |
| 2410 | Rocky shores as tractable test systems for experimental ecology. Journal of the Marine Biological Association of the United Kingdom, 2020, 100, 1017-1041. | 0.4 | 22 |
| 2411 | Reference state and benchmark concepts for better biodiversity conservation in contemporary ecosystems. Global Change Biology, 2020, 26, 6702-6714. | 4.2 | 47 |
| 2412 | Testing the diversityâ€“biomass relationship in riverine fish communities. Global Ecology and Biogeography, 2020, 29, 1743-1757. | 2.7 | 8 |
| 2413 | Merging the margins for beneficial biofuels. , 2020, , 163-178. | | 5 |
| 2414 | Multifaceted functional diversity for multifaceted crop yield: Towards ecological assembly rules for varietal mixtures. Journal of Applied Ecology, 2020, 57, 2285-2295. | 1.9 | 22 |
| 2415 | Stand structural attributes and functional trait composition overrule the effects of functional divergence on aboveground biomass during Amazon forest succession. Forest Ecology and Management, 2020, 477, 118481. | 1.4 | 16 |
| 2416 | Decreasing snow cover alters functional composition and diversity of Arctic tundra. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21480-21487. | 3.3 | 47 |
| 2417 | Ectomycorrhizal Plant-Fungal Co-invasions as Natural Experiments for Connecting Plant and Fungal Traits to Their Ecosystem Consequences. Frontiers in Forests and Global Change, 2020, 3, . | 1.0 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2418 | Does functional redundancy affect ecological stability and resilience? A review and metaâ€analysis. Ecosphere, 2020, 11, e03184. | 1.0 | 179 |
| 2419 | Confronting an individual-based simulation model with empirical community patterns of grasslands. PLoS ONE, 2020, 15, e0236546. | 1.1 | 8 |
| 2420 | Temporal stability of grassland metacommunities is regulated more by community functional traits than species diversity. Ecosphere, 2020, 11, e03178. | 1.0 | 11 |
| 2421 | Plant diversity influenced gross nitrogen mineralization, microbial ammonium consumption and gross inorganic N immobilization in a grassland experiment. Oecologia, 2020, 193, 731-748. | 0.9 | 15 |
| 2422 | The role of species traits for grassland productivity. Ecosphere, 2020, 11, e03205. | 1.0 | 5 |
| 2423 | Advancing the green infrastructure approach in the Province of Barcelona: integrating biodiversity, ecosystem functions and services into landscape planning. Urban Forestry and Urban Greening, 2020, 55, 126797. | 2.3 | 32 |
| 2424 | Habitat forming species explain taxonomic and functional diversities in a Mediterranean seamount. Ecological Indicators, 2020, 118, 106747. | 2.6 | 18 |
| 2425 | Plant species identity drives soil microbial community structures that persist under a following crop. Ecology and Evolution, 2020, 10, 8652-8668. | 0.8 | 28 |
| 2426 | Response differences between soil fungal and bacterial communities under opencast coal mining disturbance conditions. Catena, 2020, 194, 104779. | 2.2 | 50 |
| 2427 | A crossâ€scale assessment of productivityâ€“diversity relationships. Global Ecology and Biogeography, 2020, 29, 1940-1955. | 2.7 | 35 |
| 2428 | Coupling of green and brown food webs and ecosystem stability. Ecology and Evolution, 2020, 10, 9192-9199. | 0.8 | 20 |
| 2429 | Effects of niche overlap on coexistence, fixation and invasion in a population of two interacting species. Royal Society Open Science, 2020, 7, 192181. | 1.1 | 11 |
| 2430 | Participatory evaluation of improved pastureland interventions in Ayba pastureland, South Tigray: Implication for pastureland enhancement. Cogent Food and Agriculture, 2020, 6, 1805227. | 0.6 | 1 |
| 2431 | Diversity and functional groups of copepods as a tool for interpreting trophic relationships and ecosystem functioning in estuaries. Marine Environmental Research, 2020, 162, 105190. | 1.1 | 4 |
| 2432 | Association between Aquatic Micropollutant Dissipation and River Sediment Bacterial Communities. Environmental Science & Technology, 2020, 54, 14380-14392. | 4.6 | 37 |
| 2433 | Niche differentiation is the underlying mechanism maintaining the relationship between community diversity and stability under grazing pressure. Global Ecology and Conservation, 2020, 24, e01246. | 1.0 | 10 |
| 2434 | Enhancing In-crop Diversity in Common Bean by Planting Cultivar Mixtures and Its Effect on Productivity. Frontiers in Sustainable Food Systems, 2020, 4, . | 1.8 | 5 |
| 2435 | Key rules of life and the fading cryosphere: Impacts in alpine lakes and streams. Global Change Biology, 2020, 26, 6644-6656. | 4.2 | 46 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2436 | The results of biodiversityâ€“ecosystem functioning experiments are realistic. Nature Ecology and Evolution, 2020, 4, 1485-1494. | 3.4 | 93 |
| 2437 | Strong positively diversityâ€“productivity relationships in the natural sub-alpine meadow communities across time are up to superior performers. Scientific Reports, 2020, 10, 13353. | 1.6 | 3 |
| 2438 | Warning about conservation status of forest ecosystems in tropical Andes: National assessment based on IUCN criteria. PLoS ONE, 2020, 15, e0237877. | 1.1 | 8 |
| 2439 | Scaling up biodiversityâ€“ecosystem function relationships across space and over time. Ecology, 2020, 101, e03166. | 1.5 | 37 |
| 2440 | Method of Estimating Degraded Forest Area: Cases from Dominant Tree Species from Guangdong and Tibet in China. Forests, 2020, 11, 930. | 0.9 | 5 |
| 2441 | The effect of low-intensity prescribed burns in two seasons on litterfall biomass and nutrient content. International Journal of Wildland Fire, 2020, 29, 1029. | 1.0 | 9 |
| 2442 | A landscapeâ€scale assessment of the relationship between grassland functioning, community diversity, and functional traits. Ecology and Evolution, 2020, 10, 9906-9919. | 0.8 | 8 |
| 2443 | Seasonal dynamics of shoot biomass of dominant clonal herb species in an oakâ€“hornbeam forest herb layer. Plant Ecology, 2020, 221, 1133-1142. | 0.7 | 10 |
| 2444 | Patterns of Seasonal Stability of Lake Phytoplankton Mediated by Resource and Grazer Control During Two Decades of Re-oligotrophication. Ecosystems, 2021, 24, 911-925. | 1.6 | 5 |
| 2445 | Plant Functional Diversity, Climate and Grazer Type Regulate Soil Activity in Natural Grasslands. Agronomy, 2020, 10, 1291. | 1.3 | 8 |
| 2446 | A network-based approach to deciphering a dynamic microbiomeâ€™s response to a subtle perturbation. Scientific Reports, 2020, 10, 19530. | 1.6 | 3 |
| 2447 | Impairment of microbial and meiofaunal ecosystem functions linked to algal forest loss. Scientific Reports, 2020, 10, 19970. | 1.6 | 11 |
| 2448 | Priority effects: How the order of arrival of an invasive grass, Bromus tectorum, alters productivity and plant community structure when grown with native grass species. Ecology and Evolution, 2020, 10, 13173-13181. | 0.8 | 8 |
| 2449 | Effects of maternal genotypic identity and genetic diversity of the red mangrove Rhizophora mangle on associated soil bacterial communities: A fieldâ€based experiment. Ecology and Evolution, 2020, 10, 13957-13967. | 0.8 | 12 |
| 2450 | Development of microsatellite markers for Diaphanosoma dubium (Crustacea, Cladocera) and application to seasonal population dynamics. Aquatic Ecology, 2021, 55, 1189-1206. | 0.7 | 3 |
| 2451 | Biomass production and temporal stability are similar in switchgrass monoculture and diverse grassland. Biomass and Bioenergy, 2020, 142, 105758. | 2.9 | 7 |
| 2452 | Disrupting the Biodiversityâ€“Ecosystem Function Relationship: Response of Shredders and Leaf Breakdown to Urbanization in Andean Streams. Frontiers in Ecology and Evolution, 2020, 8, . | 1.1 | 8 |
| 2453 | Research topics and trends of endangered species using text mining in Korea. Journal of Asia-Pacific Biodiversity, 2020, 13, 518-523. | 0.2 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2454 | Soil bacterial taxonomic diversity is critical to maintaining the plant productivity. Environment International, 2020, 140, 105766. | 4.8 | 114 |
| 2455 | Health impact of the Anthropocene: the complex relationship between gut microbiota, epigenetics, and human health, using obesity as an example. Global Health, Epidemiology and Genomics, 2020, 5, e2. | 0.2 | 17 |
| 2456 | Yield and quality of intercropped wheat in jujubeâ€•and walnutâ€based agroforestry systems in southern Xinjiang Province, China. Agronomy Journal, 2020, 112, 2676-2691. | 0.9 | 5 |
| 2457 | Climate change impacts on longâ€term forest productivity might be driven by species turnover rather than by changes in tree growth. Global Ecology and Biogeography, 2020, 29, 1360-1372. | 2.7 | 31 |
| 2458 | A Novel Approach to Carrying Capacity: From a priori Prescription to a posteriori Derivation Based on Underlying Mechanisms and Dynamics. Annual Review of Earth and Planetary Sciences, 2020, 48, 657-683. | 4.6 | 6 |
| 2459 | Variations in zooplankton functional groups density in freshwater ecosystems exposed to cyanobacterial blooms. Science of the Total Environment, 2020, 730, 139044. | 3.9 | 31 |
| 2460 | Effects of Prey Distribution and Heterospecific Interactions on the Functional Response of Harmonia axyridis and Aphidius gifuensis to Myzus persicae. Insects, 2020, 11, 325. | 1.0 | 5 |
| 2461 | Soil Microbes Trade-Off Biogeochemical Cycling for Stress Tolerance Traits in Response to Year-Round Climate Change. Frontiers in Microbiology, 2020, 11, 616. | 1.5 | 41 |
| 2462 | Mycorrhizal nitrogen uptake of wheat is increased by earthworm activity only under no-till and straw removal conditions. Applied Soil Ecology, 2020, 155, 103672. | 2.1 | 16 |
| 2463 | Using forest gap models and experimental data to explore long-term effects of tree diversity on the productivity of mixed planted forests. Annals of Forest Science, 2020, 77, 1. | 0.8 | 14 |
| 2464 | Biogeography of soil microbial habitats across France. Global Ecology and Biogeography, 2020, 29, 1399-1411. | 2.7 | 22 |
| 2465 | Tree canopy cover constrains the fertilityâ€“diversity relationship in plant communities of the southeastern United States. Ecology, 2020, 101, e03119. | 1.5 | 8 |
| 2466 | Functional diversity in the intertidal macrobenthic community at sewage-affected shores from Southwestern Atlantic. Marine Pollution Bulletin, 2020, 157, 111365. | 2.3 | 19 |
| 2467 | Water relations and drought response of Pinus strobiformis. Canadian Journal of Forest Research, 2020, 50, 905-916. | 0.8 | 15 |
| 2468 | Unusual but consistent latitudinal patterns in macroalgal habitats and their invertebrate communities across two countries. Diversity and Distributions, 2020, 26, 912-927. | 1.9 | 12 |
| 2469 | Comparing nitrite-limited and ammonium-limited anammox processes treating low-strength wastewater: Functional and population heterogeneity. Chemosphere, 2020, 258, 127290. | 4.2 | 10 |
| 2470 | Biotic stability mechanisms in Inner Mongolian grassland. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200675. | 1.2 | 19 |
| 2471 | The biodiversity - N cycle relationship: a 15N tracer experiment with soil from plant mixtures of varying diversity to model N pool sizes and transformation rates. Biology and Fertility of Soils, 2020, 56, 1047-1061. | 2.3 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2472 | Topmost trees and foremost species underlie tropical forest structure, diversity and biomass through opposing mechanisms. Forest Ecology and Management, 2020, 473, 118299. | 1.4 | 9 |
| 2473 | Seasonal variation in functional composition and diversity of cladoceran zooplankton of a lotic eutrophic habitat from India. Annales De Limnologie, 2020, 56, 11. | 0.6 | 7 |
| 2474 | Health Evaluation and Risk Factor Identification of Urban Lakesâ€"A Case Study of Lianshi Lake. Water (Switzerland), 2020, 12, 1428. | 1.2 | 6 |
| 2475 | Linkage between plant species diversity and soil-based functions along a post-agricultural succession is influenced by the vegetative forms. Environmental Monitoring and Assessment, 2020, 192, 429. | 1.3 | 7 |
| 2476 | Changes in the soil's biological and chemical properties due to the land use. Soil and Water Research, 2020, 15, 228-236. | 0.7 | 2 |
| 2477 | The Evolution of Ecosystem Phenotypes. Biological Theory, 2020, 15, 91-106. | 0.8 | 5 |
| 2478 | Limited evidence for sardine and anchovy asynchrony: re-examining an old story. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192781. | 1.2 | 16 |
| 2479 | Plant reintroduction in restored peatlands: 80% successfully transferred â€“ Does the remaining 20% matter?. Global Ecology and Conservation, 2020, 22, e01000. | 1.0 | 10 |
| 2480 | The Principles of Green and Sustainability Science. , 2020, , . | | 4 |
| 2481 | Global quantitative synthesis of ecosystem functioning across climatic zones and ecosystem types. Global Ecology and Biogeography, 2020, 29, 1139-1176. | 2.7 | 22 |
| 2482 | The worldwide impact of urbanisation on avian functional diversity. Ecology Letters, 2020, 23, 962-972. | 3.0 | 95 |
| 2483 | Boreal Forest Multifunctionality Is Promoted by Low Soil Organic Matter Content and High Regional Bacterial Biodiversity in Northeastern Canada. Forests, 2020, 11, 149. | 0.9 | 8 |
| 2484 | Species loss drives ecosystem function in experiments, but in nature the importance of species loss depends on dominance. Global Ecology and Biogeography, 2020, 29, 1531-1541. | 2.7 | 32 |
| 2485 | Do diverse cover crop mixtures perform better than monocultures? A systematic review. Agronomy Journal, 2020, 112, 3513-3534. | 0.9 | 58 |
| 2486 | Improving the productivity of degraded pasture land through demonstration of legume forage over sowing: The case of Ayba pasture land, South Tigray, Ethiopia. Cogent Environmental Science, 2020, 6, 1778997. | 1.6 | 3 |
| 2487 | Impact of mining on the floristic association of gold mined sites in Southwest Nigeria. BMC Ecology, 2020, 20, 9. | 3.0 | 10 |
| 2488 | Tree species diversity and its relationship with carbon stock in the parkland agroforestry of Northern Ethiopia. Cogent Biology, 2020, 6, 1728945. | 1.7 | 11 |
| 2489 | Climatic humidity mediates the strength of the species richnessâ€"biomass relationship on the Mongolian Plateau steppe. Science of the Total Environment, 2020, 718, 137252. | 3.9 | 34 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2490 | A high biodiversity mitigates the impact of ocean acidification on hard-bottom ecosystems. Scientific Reports, 2020, 10, 2948. | 1.6 | 21 |
| 2491 | Spatially Explicit Analysis of Trade-Offs and Synergies among Multiple Ecosystem Services in Shaanxi Valley Basins. Forests, 2020, 11, 209. | 0.9 | 16 |
| 2492 | Characteristics, Main Impacts, and Stewardship of Natural and Artificial Freshwater Environments: Consequences for Biodiversity Conservation. Water (Switzerland), 2020, 12, 260. | 1.2 | 117 |
| 2493 | Plant diversity effect on water quality in wetlands: a metaâ€analysis based on experimental systems. Ecological Applications, 2020, 30, e02074. | 1.8 | 27 |
| 2494 | Clonality as a key but overlooked driver of biotic interactions in plants. Perspectives in Plant Ecology, Evolution and Systematics, 2020, 43, 125510. | 1.1 | 31 |
| 2495 | Mapping the dynamics of research networks in ecology and evolution using co-citation analysis (1975â€“2014). Scientometrics, 2020, 122, 1361-1385. | 1.6 | 10 |
| 2496 | Komodo dragons are not ecological analogs of apex mammalian predators. Ecology, 2020, 101, e02970. | 1.5 | 18 |
| 2497 | Spatial risk assessment of global change impacts on Swedish seagrass ecosystems. PLoS ONE, 2020, 15, e0225318. | 1.1 | 5 |
| 2498 | Scalingâ€up biodiversityâ€ecosystem functioning research. Ecology Letters, 2020, 23, 757-776. | 3.0 | 270 |
| 2499 | Modulation of the Root Microbiome by Plant Molecules: The Basis for Targeted Disease Suppression and Plant Growth Promotion. Frontiers in Plant Science, 2019, 10, 1741. | 1.7 | 354 |
| 2500 | Do diversity of plants, soil fungi and bacteria influence aggregate stability on ultramafic Ferralsols? A metagenomic approach in a tropical hotspot of biodiversity. Plant and Soil, 2020, 448, 213-229. | 1.8 | 6 |
| 2501 | Changing how we approach fisheries: A first attempt at an operational framework for ecosystem approaches to fisheries management. Fish and Fisheries, 2020, 21, 393-434. | 2.7 | 46 |
| 2502 | Abrupt declines in marine phytoplankton production driven by warming and biodiversity loss in a microcosm experiment. Ecology Letters, 2020, 23, 457-466. | 3.0 | 28 |
| 2503 | Interactions between intercropped Avena sativa and Agropyron cristatum for nitrogen uptake. Plant and Soil, 2020, 447, 611-621. | 1.8 | 19 |
| 2504 | Hydrological variations shape diversity and functional responses of streambed microbes. Science of the Total Environment, 2020, 714, 136838. | 3.9 | 24 |
| 2505 | Stability and decline in deep-sea coral biodiversity, Gulf of Mexico and US West Atlantic. Coral Reefs, 2020, 39, 345-359. | 0.9 | 3 |
| 2506 | Taxonomic and functional diversity differentiation of chironomid communities in northern Mongolian Plateau under complex environmental impacts. Hydrobiologia, 2020, 847, 2155-2167. | 1.0 | 6 |
| 2507 | Numerical methods for sedimentaryâ€ancientâ€DNAâ€based study on past biodiversity and ecosystem functioning. Environmental DNA, 2020, 2, 115-129. | 3.1 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2508 | High functional diversity of forest ecosystems is linked to high provision of water flow regulation ecosystem service. Ecological Indicators, 2020, 115, 106433. | 2.6 | 14 |
| 2509 | Insights on comparative bacterial diversity between different arid zones of Cholistan Desert, Pakistan. 3 Biotech, 2020, 10, 224. | 1.1 | 8 |
| 2510 | Vegetation traits are accurate indicators of how do plants beat the heat in drylands: Diversity and functional traits of vegetation associated with water towers in the Sahara Desert. Ecological Indicators, 2020, 114, 106364. | 2.6 | 21 |
| 2511 | Environmental filtering, predominance of strong competitor trees and exclusion of moderate-weak competitor trees shape species richness and biomass. Science of the Total Environment, 2020, 723, 138105. | 3.9 | 7 |
| 2512 | Plant functional Î² diversity is an important mediator of effects of aridity on soil multifunctionality. Science of the Total Environment, 2020, 726, 138529. | 3.9 | 42 |
| 2513 | Direct seeding associated with a mixture of winter cover crops decreases weed abundance while increasing cash-crop yields. Soil and Tillage Research, 2020, 200, 104622. | 2.6 | 8 |
| 2514 | Prospects for Integrating Disturbances, Biodiversity and Ecosystem Functioning Using Microbial Systems. Frontiers in Ecology and Evolution, 2020, 8, . | 1.1 | 2 |
| 2515 | Factors contributing to leaf decomposition vary with temperature in two montane rivers of the Intermountain West, Utah. Aquatic Sciences, 2020, 82, 1. | 0.6 | 1 |
| 2516 | Farmersâ€™ perceptions and knowledge of natural enemies as providers of biological control in cider apple orchards. Journal of Environmental Management, 2020, 266, 110589. | 3.8 | 15 |
| 2517 | Effects of functional diversity and salinization on zooplankton productivity: an experimental approach. Hydrobiologia, 2020, 847, 2845-2862. | 1.0 | 12 |
| 2518 | Communityâ€level responses to climate change in forests of the eastern United States. Global Ecology and Biogeography, 2020, 29, 1299-1314. | 2.7 | 12 |
| 2519 | Community structure â€“ Ecosystem function relationships in the Congo Basin methane cycle depend on the physiological scale of function. Molecular Ecology, 2020, 29, 1806-1819. | 2.0 | 5 |
| 2520 | Sward composition and soil moisture conditions affect nitrous oxide emissions and soil nitrogen dynamics following urea-nitrogen application. Science of the Total Environment, 2020, 722, 137780. | 3.9 | 16 |
| 2521 | Functional and phylogenetic diversity explain different components of diversity effects on biomass production. Oikos, 2020, 129, 1185-1195. | 1.2 | 32 |
| 2522 | Idiosyncratic responses of meiofaunal assemblages to hippo dung inputs in an estuarine lake. Estuarine, Coastal and Shelf Science, 2020, 239, 106745. | 0.9 | 2 |
| 2523 | A graphical causal model for resolving species identity effects and biodiversityâ€“ecosystem function correlations. Ecology, 2020, 101, e03070. | 1.5 | 29 |
| 2524 | Interpreting forest diversity-productivity relationships: volume values, disturbance histories and alternative inferences. Forest Ecosystems, 2020, 7, . | 1.3 | 33 |
| 2525 | Ash dieback risks an extinction cascade. Biological Conservation, 2020, 244, 108516. | 1.9 | 48 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2526 | Study on the degradation performance and bacterial community of bioaugmentation in petroleum-pollution seawater. Journal of Environmental Chemical Engineering, 2020, 8, 103900. | 3.3 | 33 |
| 2527 | A preliminary snapshot of the trophic model and ecosystem attributes of Kaptai reservoir ecosystem, Bangladesh. Journal of Oceanology and Limnology, 2021, 39, 223-241. | 0.6 | 3 |
| 2528 | Historical Disturbances Determine Current Taxonomic, Functional and Phylogenetic Diversity of Saproxylic Beetle Communities in Temperate Primary Forests. Ecosystems, 2021, 24, 37-55. | 1.6 | 35 |
| 2529 | A Comparison of Growth, Structure and Diversity of Mixed Species and Monoculture Reforestation Systems in the Philippines. Journal of Sustainable Forestry, 2021, 40, 401-430. | 0.6 | 7 |
| 2530 | The legacy of bacterial invasions on soil native communities. Environmental Microbiology, 2021, 23, 669-681. | 1.8 | 21 |
| 2531 | Loss of Large Animals Differentially Influences Nutrient Fluxes Across a Heterogeneous Marine Intertidal Soft-Sediment Ecosystem. Ecosystems, 2021, 24, 272-283. | 1.6 | 12 |
| 2532 | Economic and social resilience accounts for the recovery of Ibizaâ€™s tourism sector. Tourism Geographies, 2021, 23, 479-500. | 2.2 | 11 |
| 2533 | Microbiota influences on systemic lupus erythematosus and SjÃ¶grenâ€™s syndrome. , 2021, , 211-221. | | 0 |
| 2534 | The relationship between pollinator community and pollination services is mediated by floral abundance in urban landscapes. Urban Ecosystems, 2021, 24, 275-290. | 1.1 | 33 |
| 2535 | Self-regulating microbiome networks ensure functional resilience of biofilms in sand biofilters during manganese load fluctuations. Water Research, 2021, 188, 116473. | 5.3 | 22 |
| 2536 | Tree species composition and selection effects drive overstory and understory productivity in reforested oil sands mining sites. Land Degradation and Development, 2021, 32, 1135-1147. | 1.8 | 1 |
| 2537 | Effects of three-dimensional soil heterogeneity on seed germination in controlled experiments. Journal of Plant Ecology, 2021, 14, 1-9. | 1.2 | 8 |
| 2538 | Sheep grazing differentially affects the canopy attributes and functional diversity of shrubs and perennial grasses in arid rangelands. Plant Ecology, 2021, 222, 13-27. | 0.7 | 5 |
| 2539 | Responses of functional traits of macrobenthic communities on the presence of Polycyclic Aromatic Hydrocarbons contamination in three tropical estuaries. Estuarine, Coastal and Shelf Science, 2021, 250, 107105. | 0.9 | 8 |
| 2540 | Ecological condition, biodiversity and major environmental challenges in a tropical river network in the Bago District in South-central Myanmar: First insights to the unknown. Limnologica, 2021, 86, 125835. | 0.7 | 7 |
| 2541 | Climate influences the response of community functional traits to local conditions in bromeliad invertebrate communities. Ecography, 2021, 44, 440-452. | 2.1 | 4 |
| 2542 | Maintaining biodiversity promotes the multifunctionality of social-ecological systems: holistic modelling of a mountain system. Ecosystem Services, 2021, 47, 101220. | 2.3 | 15 |
| 2543 | Antibiotic contamination amplifies the impact of foreign antibiotic-resistant bacteria on soil bacterial community. Science of the Total Environment, 2021, 758, 143693. | 3.9 | 28 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2544 | Context-dependency of tree species diversity, trait composition and stand structural attributes regulate temperate forest multifunctionality. Science of the Total Environment, 2021, 757, 143724. | 3.9 | 19 |
| 2545 | Mixture mitigates the effect of climate change on the provision of relevant ecosystem services in managed Pinus pinea L. forests. Forest Ecology and Management, 2021, 481, 118782. | 1.4 | 6 |
| 2546 | Island size affects wood decomposition by changing decomposer distribution. Ecography, 2021, 44, 456-468. | 2.1 | 3 |
| 2547 | Forest structure, not climate, is the primary driver of functional diversity in northeastern North America. Science of the Total Environment, 2021, 762, 143070. | 3.9 | 19 |
| 2548 | The influence of spatial and temporal scale on the relative importance of biotic vs. abiotic factors for species distributions. Diversity and Distributions, 2021, 27, 327-343. | 1.9 | 16 |
| 2549 | Assessment of benthic ecological status in semi-enclosed Daya Bay (China) in regions exposed to human disturbances based on multiple biotic indices. Regional Studies in Marine Science, 2021, 41, 101464. | 0.4 | 3 |
| 2550 | Decoupling the Complementarity Effect and the Selection Effect on the Overyielding of Fine Root Production Along a Tree Species Richness Gradient in Subtropical Forests. Ecosystems, 2021, 24, 613-627. | 1.6 | 4 |
| 2551 | Animal-Mediated Ecosystem Process Rates in Forests and Grasslands are Affected by Climatic Conditions and Land-Use Intensity. Ecosystems, 2021, 24, 467-483. | 1.6 | 5 |
| 2552 | Native and exotic plant species respond differently to ecosystem characteristics at both local and landscape scales. Biological Invasions, 2021, 23, 143-156. | 1.2 | 13 |
| 2553 | Pollinator effectiveness in the mixed-pollination system of a Neotropical Proteaceae, <i>Oreocallis grandiflora</i>. Journal of Pollination Ecology, 0, 26, . | 0.5 | 1 |
| 2554 | Urban Socio-Ecosystems Green Resilience. Advances in Environmental Engineering and Green Technologies Book Series, 2021, , 220-242. | 0.3 | 0 |
| 2555 | Responses of Bat Communities (Mammalia: Chiroptera) to Forest Loss and Habitat Conversion in Southern Cameroon. Tropical Conservation Science, 2021, 14, 194008292110103. | 0.6 | 3 |
| 2556 | Zooplankton functional complementarity between temporary and permanent environments. Acta Limnologica Brasiliensia, 0, 33, . | 0.4 | 3 |
| 2557 | Spatio-Temporal Changes of Land-Use/Land Cover Change and the Effects on Ecosystem Service Values in Derong County, China, from 1992â€“2018. Sustainability, 2021, 13, 827. | 1.6 | 20 |
| 2558 | Freshwater mussels in Mediterraneanâ€climate regions: Species richness, conservation status, threats, and Conservation Actions Needed. Aquatic Conservation: Marine and Freshwater Ecosystems, 2021, 31, 708-728. | 0.9 | 10 |
| 2559 | Prey preference of top predators manipulates the functioning and stability of multi-trophic ecosystems. Ecological Complexity, 2021, 45, 100908. | 1.4 | 2 |
| 2560 | Real communities of virtual plants explain biodiversity on just three assumptions. In Silico Plants, 2021, 3, . | 0.8 | 1 |
| 2561 | Populationâ€level plant pollination mode is influenced by Quaternary climate and pollinators. Biotropica, 2021, 53, 632-642. | 0.8 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2562 | Biodiversity: Concept, Theories, and Significance in River Ecology. , 2021, , 35-185. | | 1 |
| 2563 | System of Green Resilience Eco-Oriented Land Uses in Urban Socio-Ecosystems. Advances in Environmental Engineering and Green Technologies Book Series, 2021, , 1-23. | 0.3 | 0 |
| 2564 | Insect communities. , 2021, , 389-407. | | 1 |
| 2565 | Impact of Long-Term Organic and Mineral Fertilization on Rhizosphere Metabolites, Rootâ€“Microbial Interactions and Plant Health of Lettuce. Frontiers in Microbiology, 2020, 11, 597745. | 1.5 | 17 |
| 2566 | Richness of Rhizosphere Organisms Affects Plant P Nutrition According to P Source and Mobility. Agriculture (Switzerland), 2021, 11, 157. | 1.4 | 5 |
| 2567 | Human impacts on global freshwater fish biodiversity. Science, 2021, 371, 835-838. | 6.0 | 262 |
| 2568 | Reserves, resilience and dynamic landscapes 20Âyears later. Ambio, 2021, 50, 962-966. | 2.8 | 9 |
| 2569 | Human impacts alter the distribution of fish functional diversity in Neotropical stream system. Biotropica, 2021, 53, 536-547. | 0.8 | 6 |
| 2570 | Too much of a good thing: Shrub benefactors are less important in higher diversity arid ecosystems. Journal of Ecology, 2021, 109, 2047-2053. | 1.9 | 5 |
| 2571 | Estimating the contribution of plant traits to light partitioning in simultaneous maize/soybean intercropping. Journal of Experimental Botany, 2021, 72, 3630-3646. | 2.4 | 36 |
| 2572 | Response and Effect Traits of Coral Reef Fish. Frontiers in Marine Science, 2021, 8, . | 1.2 | 15 |
| 2573 | Shifting community composition determines the biodiversityâ€“productivity relationship under increasing precipitation and N deposition. Journal of Vegetation Science, 2021, 32, e12998. | 1.1 | 7 |
| 2574 | Intraspecific diversity loss in a predator species alters prey community structure and ecosystem functions. PLoS Biology, 2021, 19, e3001145. | 2.6 | 15 |
| 2575 | Diversity and identity of economics traits determine the extent of tree mixture effects on ecosystem productivity. Journal of Ecology, 2021, 109, 1898-1908. | 1.9 | 6 |
| 2576 | Soil Microbes are Shaped by Soil Physico-chemical Properties: A Brief Review of Existing Literature. International Journal of Plant & Soil Science, 0, , 59-71. | 0.2 | 10 |
| 2577 | Salinity shapes food webs of lakes in semiarid climate zones: a stable isotope approach. Inland Waters, 2021, 11, 476-491. | 1.1 | 19 |
| 2578 | Zooplankton taxonomic and functional structure is determined by macrophytes and fish predation in a Neotropical river. Hydrobiologia, 2021, 848, 1475-1490. | 1.0 | 20 |
| 2580 | Does Î² diversity predict ecosystem productivity better than species diversity?. Ecological Indicators, 2021, 122, 107212. | 2.6 | 26 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2581 | Occupancyâ€based diversity profiles: capturing biodiversity complexities while accounting for imperfect detection.. Ecography, 2021, 44, 975-986. | 2.1 | 9 |
| 2582 | The Struggle of Ashâ€”Insights from Long-Term Survey in Latvia. Forests, 2021, 12, 340. | 0.9 | 7 |
| 2583 | Seasonal Abundance of Heterotrioza chenopodii (Reuter, 1876) and Distribution of the Known Psylloid Species (Hemiptera: Psylloidea) in Egypt. African Entomology, 2021, 29, . | 0.6 | 1 |
| 2584 | Disentangling the effects of edaphic and vegetational properties on soil aggregate stability in riparian zones along a gradient of flooding stress. Geoderma, 2021, 385, 114883. | 2.3 | 27 |
| 2585 | Improved post-silking light interception increases yield and P-use efficiency of maize in maize/soybean relay strip intercropping. Field Crops Research, 2021, 262, 108054. | 2.3 | 20 |
| 2586 | Veteran trees have divergent effects on beetle diversity and wood decomposition. PLoS ONE, 2021, 16, e0248756. | 1.1 | 2 |
| 2587 | Role of environmental filtering and functional traits for species coexistence in a harsh tropical montane ecosystem. Biological Journal of the Linnean Society, 2021, 133, 546-560. | 0.7 | 9 |
| 2588 | Comparing the relative effects of species and size structure on forest productivity in different local environments. Scandinavian Journal of Forest Research, 2021, 36, 188-197. | 0.5 | 1 |
| 2589 | Tackling unresolved questions in forest ecology: The past and future role of simulation models. Ecology and Evolution, 2021, 11, 3746-3770. | 0.8 | 37 |
| 2590 | Spatial Correlation between Ecosystem Services and Human Disturbances: A Case Study of the Guangdongâ€“Hong Kongâ€“Macao Greater Bay Area, China. Remote Sensing, 2021, 13, 1174. | 1.8 | 22 |
| 2591 | Modelling Climate-Change Impact on the Spatial Distribution of Garra Rufa (Heckel, 1843) (Teleostei:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 0.7 | 5 |
| 2592 | Towards a systematic method for assessing the impact of chemical pollution on ecosystem services of water systems. Journal of Environmental Management, 2021, 281, 111873. | 3.8 | 17 |
| 2593 | Biotic homogenization destabilizes ecosystem functioning by decreasing spatial asynchrony. Ecology, 2021, 102, e03332. | 1.5 | 74 |
| 2594 | Lifetime Fitness through Female and Male Function: Influences of Genetically Effective Population Size and Density. American Naturalist, 2021, 197, 434-447. | 1.0 | 2 |
| 2596 | Multiple diversity facets of crucial microbial groups in biological soil crusts promote soil multifunctionality. Global Ecology and Biogeography, 2021, 30, 1204-1217. | 2.7 | 16 |
| 2597 | Are complementarity effects of species richness on productivity the strongest in speciesâ€rich communities?. Journal of Ecology, 2021, 109, 2038-2046. | 1.9 | 21 |
| 2598 | How sediment bacterial community shifts along the urban river located in mining city. Environmental Science and Pollution Research, 2021, 28, 42300-42312. | 2.7 | 8 |
| 2599 | Differential Resilience of Soil Microbes and Ecosystem Functions Following Cessation of Long-Term Fertilization. Ecosystems, 2021, 24, 2042-2060. | 1.6 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2600 | Stand density of coâ€existing species regulates aboveâ€ground biomass along a localâ€scale elevational gradient in tropical forests. Applied Vegetation Science, 2021, 24, e12577. | 0.9 | 6 |
| 2601 | The relationship between dung beetle diversity and manure removal in forest and sheep grazed grasslands. Community Ecology, 2021, 22, 135-145. | 0.5 | 0 |
| 2602 | Land-use changes lead to functional loss of terrestrial mammals in a Neotropical rainforest. Perspectives in Ecology and Conservation, 2021, 19, 161-170. | 1.0 | 22 |
| 2603 | Bacterial diversity, community composition and metabolic function in Lake Tianmuhu and its dammed river: Effects of domestic wastewater and damming. Ecotoxicology and Environmental Safety, 2021, 213, 112069. | 2.9 | 22 |
| 2604 | Effects of environmental factors on plant functional traits across different plant life forms in a temperate forest ecosystem. New Forests, 2022, 53, 125-142. | 0.7 | 19 |
| 2606 | A graphical causal model for resolving species identity effects and biodiversityâ€“ecosystem function correlations: comment. Ecology, 2022, 103, e03378. | 1.5 | 3 |
| 2607 | Disturbance reshapes the productivityâ€“diversity relationship. Journal of Vegetation Science, 2021, 32, e13030. | 1.1 | 2 |
| 2608 | Species-specific growth dynamics and vulnerability to drought at the single tree level in a Mediterranean reforestation. Trees - Structure and Function, 2021, 35, 1697-1710. | 0.9 | 8 |
| 2609 | Conservation risks and portfolio effects in mixedâ€stock fisheries. Fish and Fisheries, 2021, 22, 1024-1040. | 2.7 | 11 |
| 2610 | Mollusc aquaculture homogenizes intertidal softâ€sediment communities along the 18,400Âkm long coastline of China. Diversity and Distributions, 2021, 27, 1553-1567. | 1.9 | 14 |
| 2611 | Directed Evolution of Microbial Communities. Annual Review of Biophysics, 2021, 50, 323-341. | 4.5 | 51 |
| 2612 | Diverse Understory Vegetation Alleviates Nitrogen Competition with Crop Trees in Poplar Plantations. Forests, 2021, 12, 705. | 0.9 | 4 |
| 2613 | Biodiversity Loss: Threats and Conservation Strategies. International Journal of Pharmaceutical Sciences Review and Research, 2021, 68, . | 0.1 | 1 |
| 2614 | The Knowledge Status of Coastal and Marine Ecosystem Services - Challenges, Limitations and Lessons Learned From the Application of the Ecosystem Services Approach in Management. Frontiers in Marine Science, 2021, 8, . | 1.2 | 8 |
| 2616 | Landâ€use drives the temporal stability and magnitude of soil microbial functions and modulates climate effects. Ecological Applications, 2021, 31, e02325. | 1.8 | 17 |
| 2617 | Phylotranscriptomic insights into Asteraceae diversity, polyploidy, and morphological innovation. Journal of Integrative Plant Biology, 2021, 63, 1273-1293. | 4.1 | 55 |
| 2618 | Nitrogen Dynamics in Wetland Systems and Its Impact on Biodiversity. Nitrogen, 2021, 2, 196-217. | 0.6 | 23 |
| 2619 | Soil bacterial and fungal biomass are independent of aboveground plant communities in a rocky island system. Applied Soil Ecology, 2021, 161, 103877. | 2.1 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2620 | High tree diversity enhances light interception in tropical forests. Journal of Ecology, 2021, 109, 2597-2611. | 1.9 | 10 |
| 2621 | Effects of variability and synchrony in assessing contributions of individual streams to habitat portfolios of river basins. Ecological Indicators, 2021, 124, 107427. | 2.6 | 2 |
| 2622 | Warming and predator drive functional responses of three subtropical cladocerans. Aquatic Ecology, 2021, 55, 903-914. | 0.7 | 0 |
| 2623 | The mid-domain effect of mountainous plants is determined by community life form and family flora on the Loess Plateau of China. Scientific Reports, 2021, 11, 10974. | 1.6 | 5 |
| 2624 | Biodiversity effects on grape quality depend on variety and management intensity. Journal of Applied Ecology, 2021, 58, 1442-1454. | 1.9 | 6 |
| 2625 | Evaluation of Community Resilience in Rural Chinaâ€"Taking Licheng Subdistrict, Guangzhou as an Example. International Journal of Environmental Research and Public Health, 2021, 18, 5827. | 1.2 | 7 |
| 2626 | Integrating resilience with functional ecosystem measures: A novel paradigm for management decisions under multipleâ€stressor interplay in freshwater ecosystems. Global Change Biology, 2021, 27, 3699-3717. | 4.2 | 17 |
| 2627 | Covariation between plant biodiversity and soil systems in a European beech forest and a black pine plantation: the case of Mount Faito, (Campania, Southern Italy). Journal of Forestry Research, 2022, 33, 239-252. | 1.7 | 8 |
| 2628 | Multi-biologic group analysis for an ecosystem response to longitudinal river regulation gradients. Science of the Total Environment, 2021, 767, 144327. | 3.9 | 8 |
| 2629 | Scaling up uncertain predictions to higher levels of organisation tends to underestimate change. Methods in Ecology and Evolution, 2021, 12, 1521-1532. | 2.2 | 10 |
| 2630 | Body size and tree species composition determine variation in prey consumption in a forestâ€inhabiting generalist predator. Ecology and Evolution, 2021, 11, 8295-8309. | 0.8 | 4 |
| 2631 | Climate change and elevated CO<sub>2</sub> favor forest over savanna under different future scenarios in South Asia. Biogeosciences, 2021, 18, 2957-2979. | 1.3 | 14 |
| 2632 | Raptor breeding sites indicate high taxonomic and functional diversities of wintering birds in urban ecosystems. Urban Forestry and Urban Greening, 2021, 60, 127066. | 2.3 | 8 |
| 2633 | Genotypic Diversity Reduces the Negative Effects of Increased Competition, Herbivory, and Tidal Inundation on the Productivity of Spartina alterniflora. Estuaries and Coasts, 2022, 45, 462-469. | 1.0 | 2 |
| 2634 | Tree species richness and diversity predicts the magnitude of urban heat island mitigation effects of greenspaces. Science of the Total Environment, 2021, 770, 145211. | 3.9 | 71 |
| 2635 | Loss of microbial diversity does not decrease Î³-HCH degradation but increases methanogenesis in flooded paddy soil. Soil Biology and Biochemistry, 2021, 156, 108210. | 4.2 | 33 |
| 2636 | Tree diversity promotes predatory wasps and parasitoids but not pollinator bees in a subtropical experimental forest. Basic and Applied Ecology, 2021, 53, 134-142. | 1.2 | 8 |
| 2637 | Structure of canopy and ground-dwelling arthropod communities in olive orchards is determined by the type of soil cover. European Journal of Entomology, 0, 118, 159-170. | 1.2 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2638 | Spatio-temporal remotely sensed indices identify hotspots of biodiversity conservation concern. Remote Sensing of Environment, 2021, 258, 112368. | 4.6 | 20 |
| 2639 | Ground cover and native ant predation influence survival of metamorphic amphibians in a southeastern pine savanna undergoing restoration. Restoration Ecology, 2021, 29, e13410. | 1.4 | 6 |
| 2640 | Spatial Dynamics of Two Host-Parasite Relationships on Intertidal Oyster Reefs. Diversity, 2021, 13, 260. | 0.7 | 3 |
| 2641 | The Biodiversityâ€“Biomass Relationship of Aquatic Macrophytes Is Regulated by Water Depth: A Case Study of a Shallow Mesotrophic Lake in China. Frontiers in Ecology and Evolution, 2021, 9, . | 1.1 | 5 |
| 2642 | What shapes ground beetle assemblages in a tree species-rich subtropical forest?. ZooKeys, 2021, 1044, 907-927. | 0.5 | 3 |
| 2643 | Spatial distribution pattern in mammal and bird richness and their relationship with ecosystem services in Sanjiangyuan National Park, China. Journal of Mountain Science, 2021, 18, 1662-1677. | 0.8 | 6 |
| 2644 | Biodiversity as insurance: from concept to measurement and application. Biological Reviews, 2021, 96, 2333-2354. | 4.7 | 101 |
| 2645 | Nonâ€additive effects of foundation species determine the response of aquatic ecosystems to nutrient perturbation. Ecology, 2021, 102, e03371. | 1.5 | 6 |
| 2646 | The effects of the invasive seaweed Asparagopsis armata on native rock pool communities: Evidences from experimental exclusion. Ecological Indicators, 2021, 125, 107463. | 2.6 | 20 |
| 2647 | Biodegradation of TOC by Nanoâ€Fe 2 O 3 Modified SMFC and Its Potential Environmental Effects**. ChemistrySelect, 2021, 6, 5597-5602. | 0.7 | 3 |
| 2649 | Diversity of response and effect traits provides complementary information about avian community dynamics linked to ecological function. Functional Ecology, 2021, 35, 1938-1950. | 1.7 | 10 |
| 2650 | Microplastics in terrestrial ecosystems: Moving beyond the state of the art to minimize the risk of ecological surprise. Global Change Biology, 2021, 27, 3969-3986. | 4.2 | 88 |
| 2651 | Ecological engineering across a temporal gradient: Sociable weaver colonies create yearâ€round animal biodiversity hotspots. Journal of Animal Ecology, 2021, 90, 2362-2376. | 1.3 | 12 |
| 2653 | Genetic diversity and population structure of diverse Iranian Nepeta L. taxa. Genetic Resources and Crop Evolution, 2022, 69, 285-296. | 0.8 | 7 |
| 2654 | Species and functional diversity â€" A better understanding of the impact of urbanization on bee communities. Science of the Total Environment, 2021, 774, 145729. | 3.9 | 21 |
| 2655 | Comparative study of the most tested hypotheses on relationships between biodiversity, productivity, light and nutrients. Basic and Applied Ecology, 2021, 53, 175-190. | 1.2 | 7 |
| 2656 | Evolutionary diversity and species richness predict aboveground biomass better than tree size variation in local-scale tropical forest types of Nepal. Forest Ecology and Management, 2021, 490, 119146. | 1.4 | 6 |
| 2658 | Iberian Protected Areas Capture Regional Functional, Phylogenetic and Taxonomic Diversity of Most Tetrapod Groups. Frontiers in Ecology and Evolution, 2021, 9, . | 1.1 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2659 | Marine Macrobenthos of NorthWest India-Reviewing the Known and Unknown. Frontiers in Marine Science, 2021, 8, . | 1.2 | 4 |
| 2660 | Functional and Taxonomic Diversity of Collembola as Complementary Tools to Assess Land Use Effects on Soils Biodiversity. Frontiers in Ecology and Evolution, 2021, 9, . | 1.1 | 13 |
| 2661 | Metaâ€omic evaluation of bacterial microbial community structure and activity for the environmental assessment of soils: overcoming protein extraction pitfalls. Environmental Microbiology, 2021, 23, 4706-4725. | 1.8 | 2 |
| 2662 | Fish taxonomic, functional, and phylogenetic diversity and their vulnerabilities in the largest river in southeastern China. Ecology and Evolution, 2021, 11, 11533-11548. | 0.8 | 10 |
| 2663 | Characteristics and metabolic patterns of soil methanogenic archaea communities in the highâ€latitude natural forested wetlands of China. Ecology and Evolution, 2021, 11, 10396-10408. | 0.8 | 5 |
| 2664 | Interspecific Niche Competition Increases Morphological Diversity in Multi-Species Microbial Communities. Frontiers in Microbiology, 2021, 12, 699190. | 1.5 | 7 |
| 2665 | Forestry contributed to warming of forest ecosystems in northern Germany during the extreme summers of 2018 and 2019. Ecological Solutions and Evidence, 2021, 2, e12087. | 0.8 | 13 |
| 2666 | Plantâ€“Soil Feedbacks and Temporal Dynamics of Plant Diversityâ€“Productivity Relationships. Trends in Ecology and Evolution, 2021, 36, 651-661. | 4.2 | 74 |
| 2667 | Inventory of the benthic eukaryotic diversity in the oldest European lake. Ecology and Evolution, 2021, 11, 11207-11215. | 0.8 | 2 |
| 2668 | Diversity of plant and soil microbes mediates the response of ecosystem multifunctionality to grazing disturbance. Science of the Total Environment, 2021, 776, 145730. | 3.9 | 51 |
| 2669 | Genetic and functional leaf traits variability of Quercus laurina along an oak diversity gradient in Mexico. European Journal of Forest Research, 2021, 140, 1211-1225. | 1.1 | 2 |
| 2670 | Soil microbes drive the effect of plant species and genotypic diversity interaction on productivity.. Plant and Soil, 2021, 467, 165. | 1.8 | 7 |
| 2671 | Tree species diversity enhances plant-soil interactions in a temperate forest in northeast China. Forest Ecology and Management, 2021, 491, 119160. | 1.4 | 10 |
| 2672 | Soiden ennallistamisen suoluonto-, vesistÃ¶-, ja ilmastovaikutukset. Vertaisarvioitu raportti.. Suomen Luontopaneelin Julkaisuja, 0, , . | 0.0 | 2 |
| 2673 | Ecological succession regulates the relationship between biodiversity and supporting services in arid ecosystems. Arabian Journal of Geosciences, 2021, 14, 1. | 0.6 | 3 |
| 2674 | Assessing Ecological Disturbance in Neotropical Forest Landscapes Using High-Level Diversity and High-Level Functionality: Surprising Outcomes from a Case Study with Spider Assemblages. Land, 2021, 10, 758. | 1.2 | 1 |
| 2675 | Effects of nitrogen addition on vegetation and soil and its linkages to plant diversity and productivity in a semi-arid steppe. Science of the Total Environment, 2021, 778, 146299. | 3.9 | 18 |
| 2676 | Soil Fungi Promote Biodiversityâ€“Productivity Relationships in Experimental Communities of Young Trees. Ecosystems, 2022, 25, 858-871. | 1.6 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2677 | Functional diversity of soil microbial communities in response to supplementing 50% of the mineral N fertilizer with organic fertilizer in an oat field. Journal of Integrative Agriculture, 2021, 20, 2255-2264. | 1.7 | 10 |
| 2678 | Distribution characteristics of insect diversity in long-term fixed monitoring plots in Northeast China. PLoS ONE, 2021, 16, e0250689. | 1.1 | 0 |
| 2679 | Tree Growth Response to Low-Intensity Prescribed Burning in Pinus nigra Stands: Effects of Burn Season and Fire Severity. Applied Sciences (Switzerland), 2021, 11, 7462. | 1.3 | 4 |
| 2680 | Inconsistent effects of species diversity and N fertilization on soil microbes and carbon storage in perennial bioenergy cropping systems. Renewable Agriculture and Food Systems, 0, , 1-11. | 0.8 | 2 |
| 2681 | The functional composition of nearshore fish communities demonstrated by trait analysis: Response to environmental gradients. Marine Pollution Bulletin, 2021, 169, 112562. | 2.3 | 2 |
| 2682 | Distinct effects of host and neighbour tree identity on arbuscular and ectomycorrhizal fungi along a tree diversity gradient. ISME Communications, 2021, 1, . | 1.7 | 19 |
| 2683 | Synergistic benefits of conserving land-sea ecosystems. Global Ecology and Conservation, 2021, 28, e01684. | 1.0 | 23 |
| 2684 | Can root-associated fungi mediate the impact of abiotic conditions on the growth of a High Arctic herb?. Soil Biology and Biochemistry, 2021, 159, 108284. | 4.2 | 0 |
| 2685 | Dynamics of plant ecology and soil conservation: Implications for cut-slope protection. Acta Oecologica, 2021, 111, 103744. | 0.5 | 3 |
| 2686 | Big-sized trees and forest functioning: Current knowledge and future perspectives. Ecological Indicators, 2021, 127, 107760. | 2.6 | 20 |
| 2687 | Resources do not limit compensatory response of a tallgrass prairie plant community to the loss of a dominant species. Journal of Ecology, 2021, 109, 3617-3633. | 1.9 | 6 |
| 2688 | Diversity, distribution, and environmental drivers of coralline red algae: the major reef builders in the Southwestern Atlantic. Coral Reefs, 2022, 41, 711-725. | 0.9 | 18 |
| 2689 | Species richness and foodâ€web structure jointly drive community biomass and its temporal stability in fish communities. Ecology Letters, 2021, 24, 2364-2377. | 3.0 | 19 |
| 2690 | Moderate plantâ€“soil feedbacks have small effects on the biodiversityâ€“productivity relationship: A field experiment. Ecology and Evolution, 2021, 11, 11651-11663. | 0.8 | 4 |
| 2691 | Soil depth alters the effect of species diversity on productivity in an experimental karst herbaceous community. Plant and Soil, 2022, 471, 61-71. | 1.8 | 6 |
| 2692 | Plant traits and soil fertility mediate productivity losses under extreme drought in C<sub>3</sub> grasslands. Ecology, 2021, 102, e03465. | 1.5 | 35 |
| 2693 | Unlocking our understanding of intermittent rivers and ephemeral streams with genomic tools. Frontiers in Ecology and the Environment, 2021, 19, 574-583. | 1.9 | 9 |
| 2694 | Relative Importance of Stochastic Assembly Process of Membrane Biofilm Increased as Biofilm Aged. Frontiers in Microbiology, 2021, 12, 708531. | 1.5 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2695 | Using drone imagery to upscale estimates of water capacity in tank bromeliads on steep neotropical inselbergs. Austral Ecology, 0, , . | 0.7 | 1 |
| 2696 | The significance of tree-tree interactions for forest ecosystem functioning. Basic and Applied Ecology, 2021, 55, 33-52. | 1.2 | 38 |
| 2697 | Functional diversity outperforms taxonomic diversity in revealing short-term trampling effects. Scientific Reports, 2021, 11, 18889. | 1.6 | 5 |
| 2698 | For flux's sake: General considerations for energyâ€flux calculations in ecological communities. Ecology and Evolution, 2021, 11, 12948-12969. | 0.8 | 15 |
| 2700 | Congruent trophic pathways underpin global coral reef food webs. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 10 |
| 2701 | A dynamic riparian forest structure model for predicting large wood inputs to meandering rivers. Earth Surface Processes and Landforms, 2021, 46, 3175-3193. | 1.2 | 1 |
| 2702 | Phylogenetic conservatism drives nutrient dynamics of coral reef fishes. Nature Communications, 2021, 12, 5432. | 5.8 | 10 |
| 2703 | Functional plasticity of carabids can presume better the changes in community composition than taxonâ€based descriptors. Ecological Applications, 2022, 32, e02460. | 1.8 | 5 |
| 2705 | Moving toward a new era of ecosystem science. Geography and Sustainability, 2021, 2, 151-162. | 1.9 | 15 |
| 2706 | Reuse and recycle: Integrating aquaculture and agricultural systems to increase production and reduce nutrient pollution. Science of the Total Environment, 2021, 785, 146859. | 3.9 | 8 |
| 2707 | Both diversity and functional composition affect productivity and water use efficiency in experimental temperate grasslands. Journal of Ecology, 2021, 109, 3877-3891. | 1.9 | 12 |
| 2708 | Spatio-temporal variability in the deposition of beach-cast kelp (wrack) and inter-specific differences in degradation rates. Marine Ecology - Progress Series, 2021, 674, 89-102. | 0.9 | 11 |
| 2709 | -Impact of multiple environmental factors on species abundance in various forest layers using an integrative modeling approach. Global Ecology and Conservation, 2021, 29, e01712. | 1.0 | 16 |
| 2710 | Species patch size at seeding affects the productivity of mixed legume-grass communities. European Journal of Agronomy, 2021, 129, 126342. | 1.9 | 2 |
| 2711 | Future phytoplankton diversity in a changing climate. Nature Communications, 2021, 12, 5372. | 5.8 | 80 |
| 2712 | Reprint of: Tree diversity promotes predatory wasps and parasitoids but not pollinator bees in a subtropical experimental forest. Basic and Applied Ecology, 2021, 55, 124-132. | 1.2 | 0 |
| 2713 | We should not necessarily expect positive relationships between biodiversity and ecosystem functioning in observational field data. Ecology Letters, 2021, 24, 2537-2548. | 3.0 | 64 |
| 2714 | Synergistic effects of temperature and light affect the relationship between <scp>Taonia atomaria</scp> and its epibacterial community: a controlled conditions study. Environmental Microbiology, 2021, 23, 6777-6797. | 1.8 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2716 | Quantitative pollen-based reconstruction of the vegetation diversity in response to the late-Holocene climate change near Karwar, south-west coast of India. Quaternary International, 2021, 599-600, 95-106. | 0.7 | 5 |
| 2717 | Human activities uncouple the cascading effects of hydrological gradients on plant diversity and ecosystem functions in the Lake Dongting wetland. Ecohydrology, 2022, 15, e2359. | 1.1 | 2 |
| 2718 | Phylogenetic and functional diversity could be better indicators of macroinvertebrate community stability. Ecological Indicators, 2021, 129, 107892. | 2.6 | 15 |
| 2719 | Similar tree species richness-productivity response but differing effects on carbon stocks and timber production in eastern US and continental Spain. Science of the Total Environment, 2021, 793, 148399. | 3.9 | 5 |
| 2720 | Urbanization reduces resource use efficiency of phytoplankton community by altering the environment and decreasing biodiversity. Journal of Environmental Sciences, 2022, 112, 140-151. | 3.2 | 46 |
| 2721 | Arbuscular mycorrhizal fungi alleviate the negative effects of increases in phosphorus (P) resource diversity on plant community structure by improving P resource utilization. Plant and Soil, 2021, 461, 295-307. | 1.8 | 4 |
| 2722 | Present practices and emerging opportunities in bioengineering for slope stabilization in Malaysia: An overview. PeerJ, 2021, 9, e10477. | 0.9 | 13 |
| 2723 | Green Resilience Eco-Oriented Land Uses in Urban Socio-Ecosystems. Advances in Electronic Government, Digital Divide, and Regional Development Book Series, 2021, , 120-142. | 0.2 | 0 |
| 2725 | Ecology of Lyme Disease. , 2021, , 275-285. | | 0 |
| 2726 | Immunopathogenesis: the role of mucosal and skin microbiota in SLE. , 2021, , 117-130. | | 0 |
| 2728 | Tree Diversity and Soil Biology: A New Research Program in French Guyana. , 2005, , 337-348. | | 7 |
| 2729 | SCALING TERRESTRIAL BIOGEOCHEMICAL PROCESSES CONTRASTING INTACT AND MODEL EXPERIMENTAL SYSTEMS. , 2006, , 109-130. | | 3 |
| 2730 | Trophic and Guild Interactions and the Influence of Multiple Species on Disease. , 2006, , 101-122. | | 5 |
| 2731 | Biodiversity experiments â€" artificial constructions or heuristic tools?. , 2006, , 486-535. | | 9 |
| 2732 | Importance of species replication in understanding plant invasions into North American grasslands. , 2005, , 61-75. | | 3 |
| 2733 | Tree diversity in western Kenya: using profiles to characterise richness and evenness. , 2006, , 193-210. | | 5 |
| 2734 | Ecosystem networks: a spatial concept for integrative research and planning of landscapes. , 0, , 51-65. | | 1 |
| 2735 | Biological quality metrics: their variability and appropriate scale for assessing Streams. , 2006, , 153-172. | | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2736 | Economics and Policy of Biodiversity Loss. , 2008, , 451-466. | | 2 |
| 2737 | Primary Production in Terrestrial Ecosystems: Patterns and Controls in a Changing World. , 2014, , 1-36. | | 3 |
| 2738 | Building Resiliency to Climate Change Through Wetland Management and Restoration. Ecological Studies, 2019, , 255-309. | 0.4 | 7 |
| 2739 | Microbiome-Mediated Multitrophic Interactions in an Age of Microbial Extinction. SpringerBriefs in Ecology, 2015, , 115-124. | 0.2 | 2 |
| 2740 | Functional Diversity and Traits Assembly Patterns of Benthic Macrofaunal Communities in the Southern North Sea. Springer Earth System Sciences, 2015, , 183-195. | 0.1 | 11 |
| 2741 | Managing the Livestockâ€“Wildlife Interface on Rangelands. Springer Series on Environmental Management, 2017, , 395-425. | 0.3 | 22 |
| 2742 | Silviculture of Mixed Forests: A European Overview of Current Practices and Challenges. Managing Forest Ecosystems, 2018, , 185-253. | 0.4 | 11 |
| 2743 | Species Diversity of Browsing and Grazing Ungulates: Consequences for the Structure and Abundance of Secondary Production. Ecological Studies, 2008, , 179-200. | 0.4 | 15 |
| 2744 | The Various Effects of Insects on Ecosystem Functioning. Ecological Studies, 2008, , 3-24. | 0.4 | 64 |
| 2745 | Indirect Effects of Invertebrate Herbivory on the Decomposer Subsystem. Ecological Studies, 2008, , 53-69. | 0.4 | 10 |
| 2746 | Bottom-Up Effects and Feedbacks in Simple and Diverse Experimental Grassland Communities. Ecological Studies, 2008, , 115-135. | 0.4 | 14 |
| 2747 | Biodiversity Loss and the Maintenance of Our Life-Support System. Global Change - the IGBP Series, 2002, , 169-173. | 2.1 | 2 |
| 2748 | Terrestrial Biosphere Dynamics in the Climate System: Past and Future. Global Change - the IGBP Series, 2003, , 81-103. | 2.1 | 59 |
| 2749 | Ecosystem Service Evaluation. , 2015, , 133-177. | | 3 |
| 2750 | Temporal Changes and Spatial Determinants of Plant Species Diversity and Genetic Variation. , 2010, , 279-297. | | 8 |
| 2751 | The Role of Microbial Communities in the Formation and Decomposition of Soil Organic Matter. , 2010, , 81-118. | | 38 |
| 2752 | Sustainable Land Use and Agricultural Soil. , 2011, , 107-192. | | 5 |
| 2753 | Managing biological and genetic diversity in tropical agroforestry. Advances in Agroforestry, 2004, , 183-194. | 0.8 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2754 | Precipitation and predation risk alter the diversity and behavior of pollinators and reduce plant fitness. Oecologia, 2020, 192, 745-753. | 0.9 | 10 |
| 2755 | Interactions Among Agricultural Production and Other Ecosystem Services Delivered from European Temperate Grassland Systems. Advances in Agronomy, 2010, 109, 117-154. | 2.4 | 62 |
| 2756 | Microbiology and biochemistry of anaerobic digesters: an overview. , 2020, , 17-26. | | 17 |
| 2757 | THE ELUSIVE SYNTHESIS. , 2005, , 311-329. | | 7 |
| 2758 | Addressing the Functional Value of Biodiversity for Ecosystem Functioning Using Stable Isotopes. , 2007, , 347-359. | | 2 |
| 2759 | Regional patterns of ecosystem functional diversity in the Argentina Pampas using MODIS time-series. Ecological Informatics, 2018, 43, 65-72. | 2.3 | 11 |
| 2760 | Socio-environmental conflicts: An underestimated threat to biodiversity conservation in Chile. Environmental Science and Policy, 2020, 110, 46-59. | 2.4 | 50 |
| 2761 | Climate adaptive silviculture strategies: How do they impact growth, yield, diversity and value in forested landscapes?. Forest Ecology and Management, 2020, 470-471, 118208. | 1.4 | 19 |
| 2764 | Philosophy and Biodiversity. , 2004, , . | | 13 |
| 2765 | Water, biodiversity and ecosystems: reducing our impact. , 2011, , 117-130. | | 3 |
| 2766 | Community ecology meets epidemiology: the case of Lyme disease. , 2006, , 28-40. | | 39 |
| 2768 | Consequences of species loss for ecosystem functioning: meta-analyses of data from biodiversity experiments. , 2009, , 14-29. | | 71 |
| 2769 | Biodiversity-ecosystem function research and biodiversity futures: early bird catches the worm or a day late and a dollar short?. , 2009, , 30-46. | | 5 |
| 2770 | Forecasting decline in ecosystem services under realistic scenarios of extinction. , 2009, , 60-77. | | 15 |
| 2771 | Biodiversity and the stability of ecosystem functioning. , 2009, , 78-93. | | 67 |
| 2772 | The analysis of biodiversity experiments: from pattern toward mechanism. , 2009, , 94-104. | | 27 |
| 2773 | Towards a food web perspective on biodiversity and ecosystem functioning. , 2009, , 105-120. | | 22 |
| 2774 | Biodiversity as spatial insurance: the effects of habitat fragmentation and dispersal on ecosystem functioning. , 2009, , 134-146. | | 45 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2775 | Incorporating biodiversity in climate change mitigation initiatives. , 2009, , 149-166. | | 16 |
| 2776 | Restoring biodiversity and ecosystem function: will an integrated approach improve results?. , 2009, , 167-177. | | 16 |
| 2777 | Managed ecosystems: biodiversity and ecosystem functions in landscapes modified by human use. , 2009, , 178-194. | | 13 |
| 2778 | Understanding the role of species richness for crop pollination services. , 2009, , 195-208. | | 30 |
| 2779 | Biodiversity and ecosystem function: perspectives on disease. , 2009, , 209-216. | | 4 |
| 2780 | Opening communities to colonization â€“ the impacts of invaders on biodiversity and ecosystem functioning. , 2009, , 217-229. | | 4 |
| 2781 | The economics of biodiversity and ecosystem services. , 2009, , 230-247. | | 9 |
| 2782 | The valuation of ecosystem services. , 2009, , 248-262. | | 39 |
| 2783 | Modelling biodiversity and ecosystem services in coupled ecologicalâ€“economic systems. , 2009, , 263-278. | | 2 |
| 2784 | TraitNet: furthering biodiversity research through the curation, discovery, and sharing of species trait data. , 2009, , 281-289. | | 12 |
| 2785 | Can we predict the effects of global change on biodiversity loss and ecosystem functioning?. , 2009, , 290-298. | | 5 |
| 2786 | Managing Soil Biodiversity and Ecosystem Services. , 2012, , 337-356. | | 4 |
| 2787 | Lessons from the fossil record: the Ediacaran radiation, the Cambrian radiation, and the end-Permian mass extinction. , 2012, , 52-72. | | 5 |
| 2796 | Effect of source habitat spatial heterogeneity and species diversity on the temporal stability of aquaticâ€toâ€terrestrial subsidy by emerging aquatic insects. Ecological Research, 2020, 35, 474-481. | 0.7 | 4 |
| 2797 | Community isolation drives lower fish biomass and species richness, but higher functional evenness, in a river metacommunity. Freshwater Biology, 2020, 65, 2081-2095. | 1.2 | 19 |
| 2798 | Symbiont community diversity is more variable in corals that respond poorly to stress. Global Change Biology, 2020, 26, 2220-2234. | 4.2 | 34 |
| 2799 | Implementing plant hydraulic architecture within the LPJ Dynamic Global Vegetation Model. Global Ecology and Biogeography, 2006, . | 2.7 | 7 |
| 2800 | Species identity, diversity and microbial carbon flow in reassembling macrobenthic communities. Oikos, 2009, 118, 503-512. | 1.2 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2801 | Contrasting effects of diversity on the temporal stability of plant populations. , 2007, 116, 1323. | | 1 |
| 2802 | Dynamics of plant communities in drylands: a pattern formation approach. World Scientific Lecture Notes in Complex Systems, 2007, , 49-75. | 0.1 | 3 |
| 2803 | Use of Benthic Macro Invertebrates as a Biological Indicator in Assessing Water Quality of River Puyo, Puyo, Pastaza, Ecuador. American Journal of Life Sciences, 2016, 4, 1. | 0.3 | 13 |
| 2805 | Do Positive Interactions among Plants Matter?. , 2010, , 1-16. | | 1 |
| 2806 | Biotic Interactions, Biodiversity, and Community Productivity. , 2010, , 59-78. | | 6 |
| 2807 | Pedodiversity and Landscape Ecology. , 2013, , 105-132. | | 5 |
| 2808 | Topological structure of plant-bee networks in four Mexican environments. Sociobiology, 2015, 62, . | 0.2 | 3 |
| 2809 | Delineating reef fish trophic guilds with global gut content data synthesis and phylogeny. PLoS Biology, 2020, 18, e3000702. | 2.6 | 38 |
| 2810 | Effects of Algal Diversity on the Production of Biomass in Homogeneous and Heterogeneous Nutrient Environments: A Microcosm Experiment. PLoS ONE, 2008, 3, e2825. | 1.1 | 66 |
| 2811 | Consumers Control Diversity and Functioning of a Natural Marine Ecosystem. PLoS ONE, 2009, 4, e5291. | 1.1 | 26 |
| 2812 | Physical Heterogeneity Increases Biofilm Resource Use and Its Molecular Diversity in Stream Mesocosms. PLoS ONE, 2010, 5, e9988. | 1.1 | 96 |
| 2813 | Fruit and Soil Quality of Organic and Conventional Strawberry Agroecosystems. PLoS ONE, 2010, 5, e12346. | 1.1 | 127 |
| 2814 | Plant Diversity Surpasses Plant Functional Groups and Plant Productivity as Driver of Soil Biota in the Long Term. PLoS ONE, 2011, 6, e16055. | 1.1 | 172 |
| 2815 | Environmental Conditions Influence the Plant Functional Diversity Effect on Potential Denitrification. PLoS ONE, 2011, 6, e16584. | 1.1 | 24 |
| 2816 | Performance and Consistency of Indicator Groups in Two Biodiversity Hotspots. PLoS ONE, 2011, 6, e19746. | 1.1 | 15 |
| 2817 | Global Patterns of Guild Composition and Functional Diversity of Spiders. PLoS ONE, 2011, 6, e21710. | 1.1 | 348 |
| 2818 | Effects of Total Resources, Resource Ratios, and Species Richness on Algal Productivity and Evenness at Both Metacommunity and Local Scales. PLoS ONE, 2011, 6, e21972. | 1.1 | 32 |
| 2819 | Watershed Urbanization Alters the Composition and Function of Stream Bacterial Communities. PLoS ONE, 2011, 6, e22972. | 1.1 | 57 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2820 | The Importance of Dispersal for Bacterial Community Composition and Functioning. PLoS ONE, 2011, 6, e25883. | 1.1 | 82 |
| 2821 | The Predictability of Phytophagous Insect Communities: Host Specialists as Habitat Specialists. PLoS ONE, 2011, 6, e25986. | 1.1 | 23 |
| 2822 | Effects of Trophic Skewing of Species Richness on Ecosystem Functioning in a Diverse Marine Community. PLoS ONE, 2012, 7, e36196. | 1.1 | 15 |
| 2823 | Interspecific Competition for Shelters in Territorial and Gregarious Intertidal Grazers: Consequences for Individual Behaviour. PLoS ONE, 2012, 7, e46205. | 1.1 | 25 |
| 2824 | Possible Impacts of the Invasive Plant Rubus niveus on the Native Vegetation of the Scalesia Forest in the Galapagos Islands. PLoS ONE, 2012, 7, e48106. | 1.1 | 42 |
| 2825 | Effects of Non-Indigenous Oysters on Microbial Diversity and Ecosystem Functioning. PLoS ONE, 2012, 7, e48410. | 1.1 | 36 |
| 2826 | Biodiversity Increases the Productivity and Stability of Phytoplankton Communities. PLoS ONE, 2012, 7, e49397. | 1.1 | 63 |
| 2827 | Kinetic Energy of Throughfall in Subtropical Forests of SE China â€“ Effects of Tree Canopy Structure, Functional Traits, and Biodiversity. PLoS ONE, 2013, 8, e49618. | 1.1 | 46 |
| 2828 | Effects of Grazing Intensity and Environmental Factors on Species Composition and Diversity in Typical Steppe of Inner Mongolia, China. PLoS ONE, 2012, 7, e52180. | 1.1 | 67 |
| 2829 | Ecological and Evolutionary Effects of Stickleback on Community Structure. PLoS ONE, 2013, 8, e59644. | 1.1 | 37 |
| 2830 | Does Herbivorous Fish Protection Really Improve Coral Reef Resilience? A Case Study from New Caledonia (South Pacific). PLoS ONE, 2013, 8, e60564. | 1.1 | 37 |
| 2831 | Abundance Is Not Enough: The Need for Multiple Lines of Evidence in Testing for Ecological Stability in the Fossil Record. PLoS ONE, 2013, 8, e63071. | 1.1 | 11 |
| 2832 | Large-Scale Spatial Distribution Patterns of Gastropod Assemblages in Rocky Shores. PLoS ONE, 2013, 8, e71396. | 1.1 | 24 |
| 2833 | Matrix Intensification Alters Avian Functional Group Composition in Adjacent Rainforest Fragments. PLoS ONE, 2013, 8, e74852. | 1.1 | 11 |
| 2834 | The Effects of Host Diversity on Vector-Borne Disease: The Conditions under Which Diversity Will Amplify or Dilute the Disease Risk. PLoS ONE, 2013, 8, e80279. | 1.1 | 53 |
| 2835 | Habitat Heterogeneity Determines Climate Impact on Zooplankton Community Structure and Dynamics. PLoS ONE, 2014, 9, e90875. | 1.1 | 25 |
| 2836 | Diversity, Abundance and Community Structure of Benthic Macro- and Megafauna on the Beaufort Shelf and Slope. PLoS ONE, 2014, 9, e101556. | 1.1 | 20 |
| 2837 | Non-Additive Increases in Sediment Stability Are Generated by Macroinvertebrate Species Interactions in Laboratory Streams. PLoS ONE, 2014, 9, e103417. | 1.1 | 26 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2838 | Interspecific Neighbor Interactions Promote the Positive Diversity-Productivity Relationship in Experimental Grassland Communities. PLoS ONE, 2014, 9, e111434. | 1.1 | 9 |
| 2839 | No Evidence of Complementary Water Use along a Plant Species Richness Gradient in Temperate Experimental Grasslands. PLoS ONE, 2015, 10, e0116367. | 1.1 | 54 |
| 2840 | Consistent Richness-Biomass Relationship across Environmental Gradients in a Marine Macroalgal-Dominated Subtidal Community on the Western Antarctic Peninsula. PLoS ONE, 2015, 10, e0138582. | 1.1 | 22 |
| 2841 | Soil Communities Promote Temporal Stability and Species Asynchrony in Experimental Grassland Communities. PLoS ONE, 2016, 11, e0148015. | 1.1 | 22 |
| 2842 | Effects of Invasive-Plant Management on Nitrogen-Removal Services in Freshwater Tidal Marshes. PLoS ONE, 2016, 11, e0149813. | 1.1 | 21 |
| 2843 | Taxonomic and Geographic Bias in Conservation Biology Research: A Systematic Review of Wildfowl Demography Studies. PLoS ONE, 2016, 11, e0153908. | 1.1 | 27 |
| 2844 | Effects of Dispersal and Initial Diversity on the Composition and Functional Performance of Bacterial Communities. PLoS ONE, 2016, 11, e0155239. | 1.1 | 28 |
| 2845 | Effect of Phytoplankton Richness on Phytoplankton Biomass Is Weak Where the Distribution of Herbivores is Patchy. PLoS ONE, 2016, 11, e0156057. | 1.1 | 2 |
| 2846 | An Apple Fruit Fermentation (AFF) Treatment Improves the Composition of the Rhizosphere Microbial Community and Growth of Strawberry (Fragaria Ã— ananassa Duch â€˜Benihoppeâ€™) Seedlings. PLoS ONE, 2016, 11, e0164776. | 1.1 | 6 |
| 2847 | Tree Diversity Enhances Stand Carbon Storage but Not Leaf Area in a Subtropical Forest. PLoS ONE, 2016, 11, e0167771. | 1.1 | 25 |
| 2848 | The best of both worlds: A combined approach for analyzing microalgal diversity via metabarcoding and morphology-based methods. PLoS ONE, 2017, 12, e0172808. | 1.1 | 46 |
| 2849 | Taxonomic and functional surrogates of sessile benthic diversity in Mediterranean marine caves. PLoS ONE, 2017, 12, e0183707. | 1.1 | 28 |
| 2850 | The relationship between species richness and aboveground biomass in a primary Pinus kesiya forest of Yunnan, southwestern China. PLoS ONE, 2018, 13, e0191140. | 1.1 | 18 |
| 2851 | Responses of soil microbial communities to clonal variation of Norway spruce. Dissertationes Forestales, 2008, 2008, . | 0.1 | 2 |
| 2852 | The effect of local environmental heterogeneity on species diversity of alpine dung beetles (Coleoptera: Scarabaeidae). European Journal of Entomology, 2011, 108, 91-98. | 1.2 | 17 |
| 2853 | Hoverfly (Diptera: Syrphidae) richness and abundance vary with forest stand heterogeneity: Preliminary evidence from a montane beech fir forest. European Journal of Entomology, 2015, 112, 755-769. | 1.2 | 14 |
| 2854 | AgrupaciÃ³n funcional de especies vegetales para la restauraciÃ³n ecolÃ³gica de ecosistemas de montaÃ±a, BogotÃ¡, Colombia. Colombia Forestal, 2018, 21, 5. | 0.5 | 6 |
| 2855 | Grassland management practices in Chinese steppes impact productivity, diversity and the relationship. Frontiers of Agricultural Science and Engineering, 2018, 5, 57. | 0.9 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2856 | The Census of Marine Life in the Caribbean: A Biodiversity Program. Revista De Biologia Tropical, 2008, 56, . | 0.1 | 1 |
| 2857 | Variation of plant communities along an elevation gradient in the Guandi Mountains, North China. Community Ecology, 2004, 5, 227-233. | 0.5 | 10 |
| 2858 | AN APPROACH FOR IMPACT ASSESSMENT OF TRANSGENIC PLANTS ON SOIL ECOSYSTEM. Applied Ecology and Environmental Research, 2008, 6, 1-19. | 0.2 | 10 |
| 2859 | THE RELATIONSHIP BETWEEN PLANT DIVERSITY AND PRODUCTIVITY IN NATURAL AND IN MANAGED GRASSLANDS. Applied Ecology and Environmental Research, 2011, 9, 157-166. | 0.2 | 18 |
| 2860 | Plant functional traits, functional diversity, and ecosystem functioning: current knowledge and perspectives. Biodiversity Science, 2016, 24, 922-931. | 0.2 | 8 |
| 2861 | Niche and fitness differences relate the maintenance of diversity to ecosystem function. Ecology, 2011, 92, 1157-1165. | 1.5 | 33 |
| 2863 | Agro-Biodiversity as Natural Insurance and the Development of Financial Insurance Markets. SSRN Electronic Journal, 0, , . | 0.4 | 10 |
| 2864 | Managing Increasing Environmental Risks Through Agro-Biodiversity and Agri-Environmental Policies. SSRN Electronic Journal, 0, , . | 0.4 | 3 |
| 2865 | The Private and Public Insurance Value of Conservative Biodiversity Management. SSRN Electronic Journal, 0, , . | 0.4 | 1 |
| 2866 | A Review on Benefits and Disadvantages of Tree Diversity. The Open Forest Science Journal, 2008, 1, 24-26. | 0.9 | 20 |
| 2867 | FragmentaciÃ³n forestal en la subcuenca del rÃo PilÃ³n: diagnÃ³stico y prioridades. Madera Bosques, 2008, 14, 5-23. | 0.1 | 2 |
| 2868 | VariaciÃ³n espacial y temporal de la diversidad de hormigas en el JardÃn BotÃ¡nico del valle de ZapotitlÃ¡n de las Salinas, Puebla. Revista Mexicana De Biodiversidad, 2010, 81, . | 0.4 | 10 |
| 2869 | Green Fantasies: Photographic representations of biodiversity and ecotourism in the Western Pacific. Journal of Political Ecology, 2005, 12, . | 0.4 | 22 |
| 2870 | Influence of Landscape Diversity on Temporal Variability of Ecosystem Functioning in the South of Western Siberia. Ekologia, 2020, 39, 270-276. | 0.2 | 1 |
| 2871 | Role of physical water properties and environmental disturbances on the diversity of coastal macrophyte and invertebrate communities in a brackish water ecosystem. , 2013, , . | | 2 |
| 2872 | Global climate change and local disturbance regimes as interacting drivers for shifting altitudinal vegetation patterns. Erdkunde, 2003, 57, 216-231. | 0.4 | 25 |
| 2873 | Biodiversity and Ecosystem Function: Do Species Matter?. Biology and Environment, 2002, 102, 129-139. | 0.2 | 30 |
| 2874 | BATTLE OF THE GIANTS: PRIMARY AND SECONDARY INVASIONS BY LARGE HERBACEOUS SPECIES. Biology and Environment, 2012, 111, 1-17. | 0.2 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2875 | Microbial services: challenges for microbial ecologists in a changing world. Aquatic Microbial Ecology, 2008, 53, 13-19. | 0.9 | 69 |
| 2876 | Temporal changes in the dominance of major planktonic bacterial groups in an alpine lake: discrepancy with their contribution to bacterial production. Aquatic Microbial Ecology, 2011, 63, 161-170. | 0.9 | 31 |
| 2877 | Importance of rare and abundant populations for the structure and functional potential of freshwater bacterial communities. Aquatic Microbial Ecology, 2007, 47, 1-10. | 0.9 | 44 |
| 2878 | Open data and the future of conservation biology. Ethics in Science and Environmental Politics, 2017, 17, 29-35. | 4.6 | 4 |
| 2879 | Effects of changes in number, identity and abundance of habitat-forming species on assemblages of rocky seashores. Marine Ecology - Progress Series, 2009, 381, 39-49. | 0.9 | 47 |
| 2880 | Effects of plant diversity on primary production and species interactions in brackish water angiosperm communities. Marine Ecology - Progress Series, 2009, 396, 261-272. | 0.9 | 24 |
| 2881 | Additive partitioning of estuarine benthic macroinvertebrate diversity across multiple spatial scales. Marine Ecology - Progress Series, 2009, 396, 283-292. | 0.9 | 28 |
| 2882 | Global variation in marine fish body size and its role in biodiversityâ€“ecosystem functioning. Marine Ecology - Progress Series, 2010, 405, 1-13. | 0.9 | 73 |
| 2883 | Primary productivity of intertidal macroalgal assemblages: comparison of laboratory and in situ photorespirometry. Marine Ecology - Progress Series, 2010, 416, 115-125. | 0.9 | 44 |
| 2884 | Consumer effects on ecosystem functioning in rock pools: roles of species richness and composition. Marine Ecology - Progress Series, 2010, 420, 45-56. | 0.9 | 33 |
| 2885 | Species diversity, functional complexity and rarity in Arctic fjordic versus open shelf benthic systems. Marine Ecology - Progress Series, 2012, 463, 73-87. | 0.9 | 65 |
| 2886 | Living on the edge: single-species dominance at the Pakistan oxygen minimum zone boundary. Marine Ecology - Progress Series, 2012, 470, 79-99. | 0.9 | 24 |
| 2887 | Initial dominance in coccolithophore communities affects community structure but does not translate into altered community functioning. Marine Ecology - Progress Series, 2013, 473, 67-77. | 0.9 | 3 |
| 2888 | Abrupt shifts in the Gironde fish community: an indicator of ecological changes in an estuarine ecosystem. Marine Ecology - Progress Series, 2016, 549, 137-151. | 0.9 | 19 |
| 2889 | Mapping functional groups can provide insight into ecosystem functioning and potential resilience of intertidal sandflats. Marine Ecology - Progress Series, 2016, 548, 1-10. | 0.9 | 33 |
| 2890 | Quantifying the top-down effects of grazers on a rocky shore: selective grazing and the potential for competition. Marine Ecology - Progress Series, 2016, 553, 49-66. | 0.9 | 3 |
| 2891 | Biodiversity effects on macroalgal productivity: exploring the roles of richness, evenness and species traits. Marine Ecology - Progress Series, 2016, 562, 79-91. | 0.9 | 8 |
| 2892 | Combination of trophic group habitat preferences determines coral reef fish assemblages. Marine Ecology - Progress Series, 2018, 586, 141-154. | 0.9 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2893 | Cumulative effects of an invasive species and nutrient enrichment on rock pool communities. Marine Ecology - Progress Series, 2018, 594, 39-50. | 0.9 | 5 |
| 2894 | Effects of bottom trawling and primary production on the composition of biological traits in benthic assemblages. Marine Ecology - Progress Series, 2018, 602, 31-48. | 0.9 | 13 |
| 2895 | Shifting south-eastern North Sea macrofauna bioturbation potential over the past three decades: a response to increasing SST and regionally decreasing food supply. Marine Ecology - Progress Series, 2019, 609, 17-32. | 0.9 | 6 |
| 2897 | Why biodiversity is important to oceanography: potential roles of genetic, species, and trophic diversity in pelagic ecosystem processes. Marine Ecology - Progress Series, 2006, 311, 179-189. | 0.9 | 119 |
| 2898 | Biodiversity and the functioning of seagrass ecosystems. Marine Ecology - Progress Series, 2006, 311, 233-250. | 0.9 | 336 |
| 2899 | How biodiversity affects ecosystem functioning: roles of infaunal species richness, identity and density in the marine benthos. Marine Ecology - Progress Series, 2006, 311, 263-271. | 0.9 | 139 |
| 2900 | Expanding scales in biodiversity-based research: challenges and solutions for marine systems. Marine Ecology - Progress Series, 2006, 311, 273-283. | 0.9 | 59 |
| 2901 | Size-dependent carbon flow in the epipelagic food web of the Western Equatorial Pacific. Marine Ecology - Progress Series, 2006, 313, 13-26. | 0.9 | 5 |
| 2902 | Role of nematodes in decomposition processes: Does within-trophic group diversity matter?. Marine Ecology - Progress Series, 2006, 321, 157-166. | 0.9 | 77 |
| 2903 | Success rates of recruited tree species and their contribution to the structural development of reforested mangrove stands. Marine Ecology - Progress Series, 2006, 325, 85-91. | 0.9 | 50 |
| 2904 | Community structure and functioning in intertidal rock pools: effects of pool size and shore height at different successional stages. Marine Ecology - Progress Series, 2007, 329, 43-55. | 0.9 | 63 |
| 2905 | Importance of functional biodiversity and species-specific traits of benthic fauna for ecosystem functions in marine sediment. Marine Ecology - Progress Series, 2007, 332, 11-23. | 0.9 | 187 |
| 2906 | Monitoring Forest Change in the Amazon Using Multi-Temporal Remote Sensing Data and Machine Learning Classification on Google Earth Engine. ISPRS International Journal of Geo-Information, 2020, 9, 580. | 1.4 | 61 |
| 2907 | Ecologies of Scale: Multifunctionality Connects Conservation and Agriculture across Fields, Farms, and Landscapes. Land, 2014, 3, 739-769. | 1.2 | 26 |
| 2908 | Understanding and Enhancing Soil Biological Health: The Solution for Reversing Soil Degradation. Sustainability, 2015, 7, 988-1027. | 1.6 | 254 |
| 2909 | Community characteristics of tropical montane evergreen forest and tropical montane dwarf forest in Bawangling National Nature Reserve on Hainan Island, South China. Biodiversity Science, 2011, 19, 558-566. | 0.2 | 3 |
| 2910 | Effects of topographic variations and soil characteristics on plant func-tional traits in a subtropical evergreen broad-leaved forest. Biodiversity Science, 2011, 19, 158-167. | 0.2 | 12 |
| 2911 | Species composition and community structure of the Donglingshan forest dynamic plot in a warm temperate deciduous broad-leaved secondary forest, China. Biodiversity Science, 2011, 19, 232-242. | 0.2 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2912 | Research and practice on biodiversity <I>in situ</I> conservation in China: pro-gress and prospect. Biodiversity Science, 2013, 20, 551-558. | 0.2 | 7 |
| 2913 | Species composition and community structure of a typical mixed broad-leaved-Korean pine (<I>Pinus koraiensis</I>) forest plot in Liangshui Nature Reserve, Northeast China. Biodiversity Science, 2013, 20, 470-481. | 0.2 | 7 |
| 2914 | Influences of organic fertilizer application on soil biological properties. Chinese Journal of Eco-Agriculture, 2010, 18, 1372-1377. | 0.1 | 7 |
| 2915 | Constitution of fish assemblages in three nearshore habitats and the effect of benthic macroalgae on fish assemblages in Gouqi Island. Journal of Fisheries of China, 2012, 35, 1037-1049. | 0.1 | 1 |
| 2916 | Plant diversity changes in a nature reserve: a probabilistic sampling method for quantitative assessments. Nature Conservation, 0, 34, 145-161. | 0.0 | 8 |
| 2917 | An automated device for the digitization and 3D modelling of insects, combining extended-depth-of-field and all-side multi-view imaging. ZooKeys, 2018, 759, 1-27. | 0.5 | 41 |
| 2918 | Macrofungi Community in Rubber Plantations and a Forest of Edo State, Nigeria. Journal of Applied Sciences, 2010, 10, 391-398. | 0.1 | 5 |
| 2919 | Model analysis of a simple aquatic ecosystems with sublethal toxic effects. Mathematical Biosciences and Engineering, 2008, 5, 771-787. | 1.0 | 6 |
| 2921 | Effects of tree sapling diversity and nutrient addition on herb-layer invasibility in communities of subtropical species. Open Journal of Ecology, 2012, 02, 1-11. | 0.4 | 7 |
| 2922 | OS ISÃ“PODOS TERRESTRES SÃƒO BOAS FERRAMENTAS PARA MONITORAR E RESTAURAR ÃREAS IMPACTADAS POR METAIS PESADOS NO BRASIL?. Oecologia Australis, 2010, 14, 569-583. | 0.1 | 8 |
| 2923 | Consequences of Simulated Loss of Open Cerrado Areas to Bird Functional Diversity. Natureza A Conservacao, 2010, 08, 34-40. | 2.5 | 20 |
| 2924 | Low algal diversity systems are a promising method for biodiesel production in wastewater fed open reactors. Algae, 2015, 30, 67-79. | 0.9 | 21 |
| 2925 | Altitudinal patterns and determinants of plant species richness on the Baekdudaegan Mountains, South Korea: common versus rare species. Journal of Ecology and Environment, 2013, 36, 193-204. | 1.6 | 4 |
| 2927 | Short-term dynamics of microplankton abundance and diversity in NW Mediterranean Sea during late summer conditions (DYNAPROC 2 cruise; 2004). Biogeosciences, 2011, 8, 743-761. | 1.3 | 18 |
| 2934 | Vegetation Productivity/Stability and Other Possible Ecological Invariant Relationships Demonstrated in a Microplot Multispecies Pasture Sward. ISRN Ecology, 2012, 2012, 1-30. | 1.0 | 2 |
| 2935 | Hotspot Ecosystem Research on Europe's Deep-Ocean Margins. Oceanography, 2004, 17, 132-143. | 0.5 | 60 |
| 2936 | Biodiversity Loss in Freshwater Mussels: Importance, Threats, and Solutions. , 0, , . | | 8 |
| 2938 | The Ecological Role of Interactions Between Plants in Agroecosystems. , 2018, 18, 293. | 0.1 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2940 | Genotypic richness predicts phenotypic variation in an endangered clonal plant. PeerJ, 2016, 4, e1633. | 0.9 | 17 |
| 2941 | Ecological networks reveal contrasting patterns of bacterial and fungal communities in glacier-fed streams in Central Asia. PeerJ, 2019, 7, e7715. | 0.9 | 17 |
| 2942 | Mediterranean nekton traits: distribution, relationships and significance for marine ecology monitoring and management. PeerJ, 2020, 8, e8494. | 0.9 | 9 |
| 2943 | Phylogenetic diversity of plants alters the effect of species richness on invertebrate herbivory. PeerJ, 2013, 1, e93. | 0.9 | 25 |
| 2944 | Synergistic Effects of Arbuscular Mycorrhizal Fungi and Plant Growth Promoting Rhizobacteria for Sustainable Agricultural Production. Han'guk T'oyang Piryo Hakhoe Chi Han'guk T'oyang Piryo Hakhoe, 2011, 44, 637-649. | 0.1 | 22 |
| 2945 | Fungal diversity, woody debris, and wood decomposition in managed and unmanaged Patagonian Nothofagus pumilio forests. Mycological Progress, 2021, 20, 1309-1321. | 0.5 | 2 |
| 2946 | Bird taxonomic and functional diversity in urban settlements within a forest biome vary with the landscape matrix. Perspectives in Ecology and Conservation, 2021, 20, 9-9. | 1.0 | 0 |
| 2947 | Functional Metabolic Diversity of Bacterioplankton in Maritime Antarctic Lakes. Microorganisms, 2021, 9, 2077. | 1.6 | 10 |
| 2948 | Cultivate biodiversity to harvest food security and sustainability. Current Biology, 2021, 31, R1154-R1158. | 1.8 | 12 |
| 2949 | Microbial generalist or specialist: Intraspecific variation and dormancy potential matter. Molecular Ecology, 2022, 31, 161-173. | 2.0 | 28 |
| 2951 | A starting guide to root ecology: strengthening ecological concepts and standardising root classification, sampling, processing and trait measurements. New Phytologist, 2021, 232, 973-1122. | 3.5 | 216 |
| 2952 | Benthic nutrient fluxes in deep-sea sediments within the Laurentian Channel MPA (eastern Canada): The relative roles of macrofauna, environment, and sea pen octocorals. Deep-Sea Research Part I: Oceanographic Research Papers, 2021, 178, 103655. | 0.6 | 7 |
| 2953 | Elevated temperature may reduce functional but not taxonomic diversity of fungal assemblages on decomposing leaf litter in streams. Global Change Biology, 2022, 28, 115-127. | 4.2 | 9 |
| 2954 | Reconceptualizing natural capital and sustainable use of natural capital through Aldo Leopold's land ethic. Socio-Ecological Practice Research, 2021, 3, 363. | 0.9 | 0 |
| 2955 | Bee species exhibit different phenological trajectories in communities of annual flowering plants in the genus Clarkia. Climate Change Ecology, 2021, 2, 100031. | 0.9 | 3 |
| 2956 | Managing For Wildlife: A Key Component for Social Acceptance of Compatible Forest Management. Managing Forest Ecosystems, 2003, , 401-425. | 0.4 | 1 |
| 2957 | Are there benefits of pasture species diversity in hill country?. Proceedings of the New Zealand Grassland Association, 0, , 127-132. | 0.0 | 0 |
| 2959 | The Biogeoclimatic Environment: From Ecophysiology To Functional Relations At Landscape Level. Investigacion Agraria Sistemas Y Recursos Forestales, 2005, 14, 513. | 0.4 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2961 | Advancing science for water resources management. , 2006, , 277-288. | | 2 |
| 2962 | Conservation of polypore diversity in managed forests of boreal Fennoscandia. Dissertationes Forestales, 2007, 2007, . | 0.1 | 0 |
| 2963 | Plant species richness, elevated CO2, and atmospheric nitrogen deposition alter soil microbial community composition and function. Global Change Biology, 2007, . | 4.2 | 1 |
| 2966 | Food Web Interactions and Ecosystem Processes. Ecological Studies, 2008, , 175-191. | 0.4 | 0 |
| 2967 | Economics and Policy of Biodiversity Loss. , 2008, , 451-466. | | 0 |
| 2968 | Short-term responses of the understory to the removal of plant functional groups in the cold-temperate deciduous forest. , 2008, , 235-245. | | 0 |
| 2969 | Biodiversity and Biotechnology. Philosophy and Medicine, 2008, , 285-319. | 0.3 | 1 |
| 2970 | Dinaminiai ir sezoniniai mikroartropodÅ³ komplekso pokyÄiai spygliuoÄiÅ³ miÅ¡ko dirvoÅ¾emyje. Ekologija (Vilnius, Lithuania), 2008, 54, 201-215. | 0.2 | 2 |
| 2971 | Theology, Ecology, and Values. , 2008, , . | | 0 |
| 2972 | Impacts of some divalent cations on periplasmic nitrate reductase and dehydrogenase enzymes of Escherichia, Pseudomonas and Acinetobacter species. Revista Ambiente & Ãgua, 2008, 3, 5-18. | 0.1 | 1 |
| 2973 | Habitat fragmentation and the functional efficiency of temperate dung beetles. Oikos, 2008, , . | 1.2 | 0 |
| 2974 | Does Liebig's law of the minimum scale up from species to communities?. Oikos, 2008, , . | 1.2 | 0 |
| 2975 | Biodiversity and tallgrass prairie decomposition: the relative importance of species identity, evenness, richness, and micro-topography. , 2009, , 275-285. | | 0 |
| 2976 | The dynamics of ecosystem restoration: theoretical considerations on the basis of species richness. , 2009, , 25-37. | | 0 |
| 2977 | Spatial Resilience in Case Studies of SESs. , 2011, , 205-229. | | 1 |
| 2978 | Surface Modeling of Human Carrying Capacity. , 2011, , 313-344. | | 0 |
| 2979 | Functional Diversity of Plantâ€“Pollinator Interaction Webs. , 2011, , 250-265. | | 0 |
| 2980 | A Perspective on the Consequences for Insect Herbivores and Their Natural Enemies When They Share Plant Resources. ISRN Ecology, 2011, 2011, 1-6. | 1.0 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 2982 | Species composition and community structure of four deciduous broad-leaved secondary forest in Dongling Mountain. Biodiversity Science, 2011, 19, 243-251. | 0.2 | 1 |
| 2984 | Dynamics of environmental gradients on plant functional groups composition on the northern slope of the Fu-Niu Mountain Nature Reserve. African Journal of Biotechnology, 2011, 10, . | 0.3 | 3 |
| 2985 | Integrating Different Organizational Levels in Benthic Biodiversity â€“ Ecosystem Functioning (BEF) Studies. , 0, , . | | 0 |
| 2986 | Ecosystems ecosystem and Spatial Patterns ecosystem spatial patterns. , 2012, , 3326-3342. | | 0 |
| 2987 | Habitat- und Nahrungswahl. Springer-Lehrbuch, 2012, , 148-199. | 0.1 | 0 |
| 2988 | Minimal and dynamic bacterial diversity in grease trap revealed by molecular analysis. European Journal of Water Quality, 2012, 43, 29-41. | 0.2 | 1 |
| 2989 | Um panorama sobre os estudos de ecologia trÃ³fica em ambientes marinhos: Resultados e perspectivas. Neotropical Biology and Conservation, 2012, 6, . | 0.4 | 0 |
| 2990 | The Principle of Optimal Biodiversity and Ecosystem Functioning. International Journal of Ecosystem, 2012, 2, 78-87. | 1.0 | 3 |
| 2991 | Research and Development Priorities for Global Soil-Related Policies and Programs. , 2013, , 431-455. | | 0 |
| 2992 | From Artificialization to the Ecologization of Cropping Systems. , 2013, , 45-90. | | 4 |
| 2994 | Effect of sampling scale on the relationship between species diversity and productivity in subalpine meadows. Chinese Journal of Plant Ecology, 2013, 36, 1248-1255. | 0.3 | 0 |
| 2995 | Organic Versus Conventional Strawberry Agroecosystem. , 2013, , . | | 0 |
| 2997 | Production potential and stability of a broadleaved mixed oak/hornbeam forest stand situated on a eutrophic site, Å½dÃ¡nickÃ½ les. Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis, 2013, 60, 135-144. | 0.2 | 0 |
| 2998 | Potential Effects of Climate Changes on the Marine Ecosystem Stability. , 2013, , 1-42. | | 0 |
| 2999 | Cambios estacionales acelerados en comunidades boscosas debidos al aumento en la humedad del suelo despuÃ©s de la construcciÃ³n de una represa. Revista De Biologia Tropical, 2013, 61, . | 0.1 | 1 |
| 3000 | Local-scale changes in plant diversity: reassessments and implications for biodiversityâ€“ecosystem function experiments. Proceedings of Peerage of Science, 0, , . | 0.0 | 1 |
| 3001 | Flora of Sher-E-Bangla Agricultural University. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 3002 | La biodiversitÃ©, de lâ€™ocÃ©an Ã  citÃ©. , 2014, , . | | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 3003 | Trophic Interactions in Microbial Communities and Food Webs Traced by Stable Isotope Probing of Nucleic Acids. , 0, , 203-232. | | 0 |
| 3005 | A Simple Measure of Diversity. , 0, , . | | 0 |
| 3006 | Patterns and Controls of Terrestrial Primary Production in a Changing World. , 2015, , 1-35. | | 1 |
| 3007 | To dendrogram or not? Consensus methods show that is the question needed to move functional diversity metrics forward. Ideas in Ecology and Evolution, 0, 8, . | 0.1 | 0 |
| 3009 | - Vegetation pattern formation. , 2015, , 242-271. | | 0 |
| 3010 | A Theoretical Concept for Understanding of Functional Diversity and Its Influence on Ecosystem Functioning. , 0, , . | | 0 |
| 3011 | The world as a garden: a philosophical analysis of natural capital in economics. Erasmus Journal for Philosophy and Economics, 2015, 8, 121. | 0.2 | 2 |
| 3012 | Functional diversity: a key aspect in the provision of ecosystem services. Revista Colombiana De Ciencia Animal Recia, 2016, 8, 94-111. | 0.2 | 1 |
| 3013 | Macroecology and the Theory of Island Biogeography: Abundant Utility for Applications in Restoration Ecology. , 2016, , 455-483. | | 0 |
| 3014 | Effect of UV Radiation on Life Forms. , 2016, , 23-43. | | 0 |
| 3015 | Concepts et formalismes de la durabilitÃ© pour la biodiversitÃ© et les services Ã©cosystÃ©miques. , 2016, , 175. | | 0 |
| 3018 | Habitat- und Nahrungswahl. , 2017, , 148-199. | | 0 |
| 3020 | Diversity, Spatial Distribution and Ecological Characteristics of Relict Forest Trees in South Korea. Hangug Nimhag Hoi Ji, 2016, 105, 401-413. | 0.1 | 1 |
| 3021 | Chapter 1 - The Principles of Agroecology. , 2017, , 8-40. | | 0 |
| 3023 | Carbon distribution and its correlation with floristic diversity in subtropical broad-leaved forests during natural succession. Journal of Tropical Forest Science, 2017, 29, 493-503. | 0.1 | 2 |
| 3024 | Effect of Two Patterns of Intercropping Soybean with Maize on Yield and Its Components under Different Nitrogen Fertilizer Levels. Egyptian Journal of Agronomy, 2017, 39, 449-466. | 0.3 | 1 |
| 3026 | Enjeux de la science et de la gouvernance de la biodiversitÃ©. Les Ateliers De L'Ethique, 2009, 4, 36-45. | 0.0 | 0 |
| 3032 | Monitoring von Renaturierungen. , 2019, , 71-85. | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 3033 | Understanding the Central Great Plains as a Coupled Climatic-Hydrological-Human System: Lessons Learned in Operationalizing Interdisciplinary Collaboration. , 2019, , 265-294. | | 1 |
| 3039 | Assessing the Correlation between Forest Degradation and Climate Variability in the Oluwa Forest Reserve, Ondo State, Nigeria. American Journal of Climate Change, 2020, 09, 371-390. | 0.5 | 3 |
| 3042 | Spatial and Temporal Variability Regarding Forest: From Tree to the Landscape. , 0, , . | | 0 |
| 3046 | Effect of multiple agricultural stressors on freshwater ecosystems: The role of community structure, trophic status, and biodiversity-functioning relationships on ecosystem responses. Science of the Total Environment, 2022, 807, 151052. | 3.9 | 21 |
| 3047 | Relative roles of fundamental processes underpinning PEG dynamics in dimictic lakes as revealed by a self-organizing, multi-population plankton model. Ecological Modelling, 2021, 462, 109793. | 1.2 | 1 |
| 3048 | Influence of pipelines and environmental factors on the endangered plant,Halimolobos virgata(Nutt.) O.E. Schultz over a 10 year period. Botany, 2020, 98, 735-746. | 0.5 | 0 |
| 3049 | Sheep Dung Removal by Coexisting Rainbow Scarabs (Coleoptera: Scarabaeidae: Phanaeus MacLeay) under Experimental Laboratory Conditions. The Coleopterists Bulletin, 2020, 74, . | 0.1 | 0 |
| 3051 | Hymenoptera functional groupsâ€™ shifts in disturbance gradients at Andean forests in Southern Ecuador. Journal of Hymenoptera Research, 0, 80, 1-15. | 0.8 | 1 |
| 3052 | Sustainable Resilience in Urban Land Use. Impact of Meat Consumption on Health and Environmental Sustainability, 2022, , 233-256. | 0.4 | 0 |
| 3054 | Functional Diversity of the Fish Community Associated to Soft-Bottoms in the Lagoon of La Paz B.C.S., México. Open Journal of Marine Science, 2020, 10, 233-244. | 0.3 | 1 |
| 3057 | Habitat percolation transition undermines sustainability in socialâ€ecological agricultural systems. Ecology Letters, 2022, 25, 163-176. | 3.0 | 4 |
| 3058 | Invasive species increase biodiversity and, therefore, services: An argument of equivocations. Conservation Science and Practice, 2021, 3, e553. | 0.9 | 6 |
| 3060 | Building on 150 Years of Knowledge: The Freshwater Isopod Asellus aquaticus as an Integrative Eco-Evolutionary Model System. Frontiers in Ecology and Evolution, 2021, 9, . | 1.1 | 10 |
| 3066 | Habitat- und Nahrungswahl. , 2006, , 137-184. | | 0 |
| 3068 | Biodiversity and the Future of Fisheries Science. , 2009, , 33-48. | | 0 |
| 3070 | Alien Planktonic Species in the Marine Realm: What Do They Mean for Ecosystem Services Provision?. , 2019, , 225-231. | | 0 |
| 3075 | Soil Microbial Diversity: Calling Citizens for Sustainable Agricultural Development. Environmental and Microbial Biotechnology, 2021, , 23-49. | 0.4 | 0 |
| 3078 | Hardwood mixture increases stand productivity through increasing the amount of leaf nitrogen and modifying biomass allocation in a conifer plantation. Forest Ecology and Management, 2022, 504, 119835. | 1.4 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 3079 | Sustainability and Green Socio-Ecosystem Resilience. International Journal of Environmental Sustainability and Green Technologies, 2022, 13, 1-23. | 0.2 | 0 |
| 3080 | Soil pH changes in a small catchment on the Chinese Loess Plateau after long-term vegetation rehabilitation. Ecological Engineering, 2022, 175, 106503. | 1.6 | 7 |
| 3081 | Prey diversity constrains the adaptive potential of predator foraging traits. Oikos, 2022, 2022, . | 1.2 | 5 |
| 3083 | Functional evenness and community-weighted mean traits have strong correlation with macrophyte community productivity. Aquatic Sciences, 2022, 84, 1. | 0.6 | 2 |
| 3084 | Functional identity regulates aboveground biomass better than trait diversity along abiotic conditions in global forest metacommunities. Ecography, 2022, 2022, . | 2.1 | 10 |
| 3085 | The role of biodiversity in mitigating the effects of nutrient limitation and short-term rotations in plantations of subtropical China. Journal of Environmental Management, 2022, 303, 114140. | 3.8 | 5 |
| 3086 | Soil bacterial community composition and diversity response to land conversion is depth-dependent. Global Ecology and Conservation, 2021, 32, e01923. | 1.0 | 8 |
| 3088 | Biodiversity and Pest Control Services. , 2024, , 400-416. | | 0 |
| 3089 | Nature-Based Coastal Defenses: Can Biodiversity Help?. , 2024, , 808-818. | | 0 |
| 3090 | The importance of biodiverse plant communities for healthy soils. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, . | 3.3 | 2 |
| 3091 | Cetacean sensitivity and threats analysis to assess effectiveness of protection measures: an example of integrated approach for cetacean conservation in the Bonifacio Bouches. Biodiversity and Conservation, 2022, 31, 517-541. | 1.2 | 1 |
| 3092 | How are biodiversity and carbon stock recovered during tropical forest restoration? Supporting the ecological paradigms and political context involved. Journal for Nature Conservation, 2022, 65, 126115. | 0.8 | 7 |
| 3093 | Increasing misalignment of spatial resolution between investigative and disturbance scales alters observed responses of an infaunal community to varying disturbance severities. Estuarine, Coastal and Shelf Science, 2022, 265, 107718. | 0.9 | 5 |
| 3094 | Modelling human influences on biodiversity at a global scaleâ€“A human ecology perspective. Ecological Modelling, 2022, 465, 109854. | 1.2 | 12 |
| 3095 | Assessing the Effects of Pesticides on the Soil Microbial Community: Advances, Standardization of Methods and the Need for a New Regulatory Framework. Handbook of Environmental Chemistry, 2021, , 81-105. | 0.2 | 1 |
| 3097 | Metabolic Rate Diversity Shapes Group Performance in Honeybees. American Naturalist, 2022, 199, E156-E169. | 1.0 | 4 |
| 3098 | Biodiversity Monitoring in Mediterranean Marine Protected Areas: Scientific and Methodological Challenges. Diversity, 2022, 14, 43. | 0.7 | 16 |
| 3099 | Long-Term Effects of Soil Remediation with Willow Short Rotation Coppice on Biogeographic Pattern of Microbial Functional Genes. Microorganisms, 2022, 10, 140. | 1.6 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 3100 | Testing the effect of wetland spatiotemporal variability on amphibian occurrence across scales. Landscape Ecology, 2022, 37, 477-492. | 1.9 | 3 |
| 3101 | Evaluation and modeling of fungi towards wood degradation. Bioengineered, 2022, 13, 3284-3299. | 1.4 | 3 |
| 3102 | Miticidal activity of fenazaquin and fenpyroximate againstVarroa destructor, an ectoparasite ofApis mellifera. Pest Management Science, 2022, 78, 1686-1697. | 1.7 | 4 |
| 3103 | Plant-Soil Feedbacks for the Restoration of Degraded Mine Lands: A Review. Frontiers in Microbiology, 2021, 12, 751794. | 1.5 | 17 |
| 3104 | Agri-environment schemes are associated with greater terrestrial invertebrate abundance and richness in upland grasslands. Agronomy for Sustainable Development, 2022, 42, 1. | 2.2 | 1 |
| 3106 | From cultivar mixtures to allelic mixtures: opposite effects of allelic richness between genotypes and genotype richness in wheat. New Phytologist, 2022, 233, 2573-2584. | 3.5 | 14 |
| 3107 | Strong Environmental Filtering Based on Hydraulic Traits Occurring in the Lower Water Availability of Temperate Forest Communities. Frontiers in Plant Science, 2021, 12, 698878. | 1.7 | 2 |
| 3108 | Extinction, climate change and the ecology of Homo sapiens. Journal of Ecology, 2022, 110, 744-750. | 1.9 | 5 |
| 3109 | Species compositions mediate biomass conservation: The case of lake fish communities. Ecology, 2021, , e3608. | 1.5 | 3 |
| 3110 | Anthropogenic impacts on the biodiversity and anti-interference ability of microbial communities in lakes. Science of the Total Environment, 2022, 820, 153264. | 3.9 | 8 |
| 3111 | Using multiple linear regression to analyze changes in forest area: the case study of Akdeniz Region. International Journal of Engineering and Geosciences, 2022, 7, 247-263. | 1.8 | 5 |
| 3112 | A replicated study on the response of spider assemblages to regional and local processes. Ecological Monographs, 2022, 92, . | 2.4 | 6 |
| 3113 | Environmental structure impacts microbial composition and secondary metabolism. ISME Communications, 2022, 2, . | 1.7 | 19 |
| 3114 | Potential of Airborne LiDAR Derived Vegetation Structure for the Prediction of Animal Species Richness at Mount Kilimanjaro. Remote Sensing, 2022, 14, 786. | 1.8 | 1 |
| 3115 | Response of Natural Tree Regeneration to Climate Adaptation Treatments InÂPinus Resinosa-Dominated Forests. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 3116 | Science and values in the biodiversity-ecosystem function debate. Biology and Philosophy, 2022, 37, 1. | 0.7 | 4 |
| 3117 | Effects of fertilizer and weed species richness on soil nematode community in a microcosm field experiment. Soil Ecology Letters, 2023, 5, 151-168. | 2.4 | 4 |
| 3118 | Chapter 4. Conversion of food waste into new food in a closed loop. , 2022, , 103-146. | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 3119 | Long-term trends in diatom diversity and palaeoproductivity: a 16â€‰000-year multidecadal record from Lake Baikal, southern Siberia. Climate of the Past, 2022, 18, 363-380. | 1.3 | 4 |
| 3122 | The Functional Structure of Tropical Plant Communities and Soil Properties Enhance Ecosystem Functioning and Multifunctionality in Different Ecosystems in Ghana. Forests, 2022, 13, 297. | 0.9 | 5 |
| 3123 | Microbial Community Structure and Bacterial Lineages Associated with Sulfonamides Resistance in Anthropogenic Impacted Larut River. Water (Switzerland), 2022, 14, 1018. | 1.2 | 2 |
| 3124 | Fungus-insect symbiosis: Diversity and negative ecological role of the hypocrealean fungus Trichoderma harzianum in colonies of neotropical termites (Blattodea: Termitidae). Fungal Ecology, 2022, 57-58, 101152. | 0.7 | 2 |
| 3125 | Functional composition of tall-statured trees underpins aboveground biomass in tropical forests. Journal of Forestry Research, 2023, 34, 333-344. | 1.7 | 1 |
| 3126 | Fish diversity patterns along coastal habitats of the southeastern Galapagos archipelago and their relationship with environmental variables. Scientific Reports, 2022, 12, 3604. | 1.6 | 8 |
| 3127 | Ecological Functions of Polychaetes Along Estuarine Gradients. Frontiers in Marine Science, 2022, 9, . | 1.2 | 6 |
| 3128 | Decoupling the impact of biodiversity and environmental factors on the biomass and biomass growth of trees in subtropical forests. Journal of Plant Ecology, 2023, 16, . | 1.2 | 1 |
| 3129 | Sodium-enriched floral nectar increases pollinator visitation rate and diversity. Biology Letters, 2022, 18, 20220016. | 1.0 | 15 |
| 3130 | Phytoplankton taxonomic and functional diversity in two shallow alluvial lakes with contrasting river connectivity. Aquatic Sciences, 2022, 84, 1. | 0.6 | 1 |
| 3131 | Gradients in the Diversity of Plants and Large Herbivores Revealed with DNA Barcoding in a Semi-Arid African Savanna. Diversity, 2022, 14, 219. | 0.7 | 7 |
| 3132 | Evaluation of Changes in Native Vegetation Cover of Dust Sources in the Southwest of Iran under Different Irrigation Systems and Rainfall Patterns in Seedling Cultivation Areas. Arid Ecosystems, 2022, 12, 22-33. | 0.2 | 2 |
| 3133 | Price Equations for Understanding the Response of Ecosystem Function to Community Change. American Naturalist, 2022, 200, 181-192. | 1.0 | 8 |
| 3134 | Predictable shifts in diversity and ecosystem function in phytoplankton communities along coastal salinity continua. Limnology and Oceanography Letters, 2023, 8, 173-180. | 1.6 | 8 |
| 3135 | Water quality mediated community variations and niche differentiation of macroinvertebrates in Qingyijiang River Basin, China. Ecological Indicators, 2022, 138, 108830. | 2.6 | 7 |
| 3136 | Impacts of nutrient reduction on temporal Î²-diversity of rotifers: A 19-year limnology case study on Lake Wuli, China. Water Research, 2022, 216, 118364. | 5.3 | 8 |
| 3137 | Assessing biodiversity from space: Impact of spatial and spectral resolution on trait-based functional diversity. Remote Sensing of Environment, 2022, 275, 113024. | 4.6 | 18 |
| 3138 | Diversity and community composition of nirS-type denitrifying bacteria and ammonia-oxidizing archaea in biofilm samples attached to bio-substrate and abio-substrates in integrated ecological floating bed systems. Ecological Engineering, 2022, 180, 106641. | 1.6 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 3139 | Classification and Characterization of the Manoor Valleyâ€™s (Lesser Himalaya) Vegetation from the Subtropical-Temperate Ecotonal Forests to the Alpine Pastures along Ecological Variables. Plants, 2022, 11, 87. | 1.6 | 4 |
| 3140 | Optimizing Plant Disease Management in Agricultural Ecosystems Through Rational In-Crop Diversification. Frontiers in Plant Science, 2021, 12, 767209. | 1.7 | 11 |
| 3141 | Carbon cycle in tropical upland ecosystems: a global review. Web Ecology, 2021, 21, 109-136. | 0.4 | 3 |
| 3142 | Sustainable Resilience in Urban Land Use. Impact of Meat Consumption on Health and Environmental Sustainability, 2022, , 218-241. | 0.4 | 0 |
| 3143 | Effects of Strong Earthquake on Plant Species Composition, Diversity, and Productivity of Alpine Grassland on Qinghai-Tibetan Plateau. Frontiers in Plant Science, 2022, 13, 870613. | 1.7 | 6 |
| 3144 | <scp>DNA</scp>â€based assessment of environmental degradation in an unknown fauna: The freshwater macroinvertebrates of the <scp>Indoâ€Burmese</scp> hotspot. Journal of Applied Ecology, 2022, 59, 1644-1658. | 1.9 | 2 |
| 3145 | Population structure and regeneration of Zanthoxylum armatum DC. in Salyan, Nepal. Journal of Ecology and Environment, 0, 46, . | 1.6 | 0 |
| 3146 | Nitrogenous fertilizers: impact on environment sustainability, mitigation strategies, and challenges. International Journal of Environmental Science and Technology, 2022, 19, 11649-11672. | 1.8 | 27 |
| 3147 | Exploring faunal conservation in carbon projects through map of life: A case study. Journal of Natural Resources and Life Sciences Education, 0, , . | 0.8 | 0 |
| 3148 | The Effect of an Insectivorous Lizard Predator (Crotaphytus collaris) on Ozark Glade Orthopteran Assemblages. American Midland Naturalist, 2022, 187, . | 0.2 | 1 |
| 3149 | What is the mechanism of submerged macrophyte biodiversity affecting biomass productivity along water depth: Niche complementarity or selection effect?. Ecological Indicators, 2022, 138, 108858. | 2.6 | 9 |
| 3150 | Mathematical View Of Community And Ecosystem Processes. , 0, , 15-30. | | 0 |
| 3189 | Time after time: detecting annual patterns in stream bacterial biofilm communities. Environmental Microbiology, 2022, 24, 2502-2515. | 1.8 | 6 |
| 3190 | Network Transitions. , 2022, , 265-317. | | 0 |
| 3191 | Karst Soil Patch Heterogeneity with Gravels Promotes Plant Root Development and Nutrient Utilization Associated with Arbuscular Mycorrhizal Fungi. Agronomy, 2022, 12, 1063. | 1.3 | 10 |
| 3192 | Epimicrobiome Shifts With Bleaching Disease Progression in the Brown Seaweed Saccharina japonica. Frontiers in Marine Science, 2022, 9, . | 1.2 | 8 |
| 3193 | Adjacent crop type impacts potential pollinator communities and their pollination services in remnants of natural vegetation. Diversity and Distributions, 2022, 28, 1269-1281. | 1.9 | 4 |
| 3194 | Groundwater fauna downtown â€“ Drivers, impacts and implications for subsurface ecosystems in urban areas. Journal of Contaminant Hydrology, 2022, 248, 104021. | 1.6 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 3195 | Community leaf dry matter content predicts plant production in simple and diverse grassland. Ecosphere, 2022, 13, . | 1.0 | 4 |
| 3196 | Decoupled abiotic and biotic drivers of aboveground and topsoil organic carbon stocks in temperate forests. Land Degradation and Development, 2022, 33, 2464-2476. | 1.8 | 3 |
| 3198 | The dynamical complexity of seasonal soundscapes is governed by fish chorusing. Communications Earth & Environment, 2022, 3, . | 2.6 | 5 |
| 3199 | Drought soil legacy alters drivers of plant diversity-productivity relationships in oldfield systems. Science Advances, 2022, 8, eabn3368. | 4.7 | 21 |
| 3200 | The loss of plant species diversity dominated by temperature promotes local productivity in the steppe of eastern Inner Mongolia. Ecological Indicators, 2022, 139, 108953. | 2.6 | 5 |
| 3201 | Roots and rhizospheric soil microbial community responses to tree species mixtures. Applied Soil Ecology, 2022, 176, 104509. | 2.1 | 1 |
| 3202 | Big-sized trees and species-functional diversity pathways mediate divergent impacts of environmental factors on individual biomass variability in Sri Lankan tropical forests. Journal of Environmental Management, 2022, 315, 115177. | 3.8 | 5 |
| 3203 | New index of functional specificity to predict the redundancy of ecosystem functions in microbial communities. FEMS Microbiology Ecology, 2022, 98, . | 1.3 | 3 |
| 3204 | Total nitrogen and community turnover determine phosphorus use efficiency of phytoplankton along nutrient gradients in plateau lakes. Journal of Environmental Sciences, 2023, 124, 699-711. | 3.2 | 16 |
| 3205 | Resilient consumers accelerate the plant decomposition in a naturally acidified seagrass ecosystem. Global Change Biology, 2022, , . | 4.2 | 0 |
| 3206 | Seasonal dynamics of marine protist communities in tidally mixed coastal waters. Molecular Ecology, 2022, 31, 3761-3783. | 2.0 | 19 |
| 3207 | Multispecies forest plantations outyield monocultures across a broad range of conditions. Science, 2022, 376, 865-868. | 6.0 | 107 |
| 3208 | What plantâ€“pollinator network structure tells us about the mechanisms underlying the bidirectional biodiversity productivity relationship?. Basic and Applied Ecology, 2022, , . | 1.2 | 3 |
| 3209 | Soil warming did not enhance leaf litter decomposition in two subtropical forests. Soil Biology and Biochemistry, 2022, 170, 108716. | 4.2 | 7 |
| 3210 | Fertilizers have a greater impact on the soil bacterial community than on the fungal community in a sandy farmland ecosystem, Inner Mongolia. Ecological Indicators, 2022, 140, 108972. | 2.6 | 7 |
| 3211 | Effect of delay on the emergent stability patterns in generalized Lotkaâ€“Volterra ecological dynamics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, . | 1.6 | 5 |
| 3212 | Impact of Plant Community Structure and its Diversity on Richness and Abundance of Arthropod Natural Enemy Community. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 3213 | Functional Diversity of Plant Communities in Relationship to Leaf and Soil Stoichiometry in Karst Areas of Southwest China. Forests, 2022, 13, 864. | 0.9 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 3214 | Mycorrhizal type of woody plants influences understory species richness in British broadleaved woodlands. New Phytologist, 2022, 235, 2046-2053. | 3.5 | 3 |
| 3215 | Effects of enemy exclusion on biodiversityâ€“productivity relationships in a subtropical forest experiment. Journal of Ecology, 2022, 110, 2167-2178. | 1.9 | 7 |
| 3216 | Biological traits approaches in benthic marine ecology: Dead ends and new paths. Ecology and Evolution, 2022, 12, . | 0.8 | 10 |
| 3217 | Tree diversity depending on environmental gradients promotes biomass stability via species asynchrony in Chinaâ€™s forest ecosystems. Ecological Indicators, 2022, 140, 109021. | 2.6 | 5 |
| 3223 | Environmental heterogeneity drives the distribution of copepods (Crustacea: Copepoda) in the Amazon, Araguaia, Pantanal, and Upper ParanÃ¡ floodplains. Anais Da Academia Brasileira De Ciencias, 2022, 94, . | 0.3 | 3 |
| 3224 | Warming alters the metabolic rates and life-history parameters of Ceriodaphnia silvestrii (Cladocera). Anais Da Academia Brasileira De Ciencias, 2022, 94, . | 0.3 | 3 |
| 3225 | Aboveground carbon stocks, woody and litter productivity along an elevational gradient in the Rwenzori Mountains, Uganda. Biotropica, 2022, 54, 906-920. | 0.8 | 6 |
| 3226 | Partial organic fertilizer substitution promotes soil multifunctionality by increasing microbial community diversity and complexity. Pedosphere, 2023, 33, 407-420. | 2.1 | 15 |
| 3227 | Biotic Interactions as Mediators of Context-Dependent Biodiversity-Ecosystem Functioning Relationships. Research Ideas and Outcomes, 0, 8, . | 1.0 | 10 |
| 3228 | MicNet toolbox: Visualizing and unraveling a microbial network. PLoS ONE, 2022, 17, e0259756. | 1.1 | 1 |
| 3229 | Bridging Theories for Ecosystem Stability Through Structural Sensitivity Analysis of Ecological Models in Equilibrium. Acta Biotheoretica, 2022, 70, . | 0.7 | 2 |
| 3230 | Topography and Soil Properties Determine Biomass and Productivity Indirectly via Community Structural and Species Diversity in Karst Forest, Southwest China. Sustainability, 2022, 14, 7644. | 1.6 | 8 |
| 3231 | Novel coexisting mangrove-coral habitats: Extensive coral communities located deep within mangrove canopies of Panama, a global classification system and predicted distributions. PLoS ONE, 2022, 17, e0269181. | 1.1 | 5 |
| 3232 | Effects of Photovoltaic Solar Farms on Microclimate and Vegetation Diversity. Sustainability, 2022, 14, 7493. | 1.6 | 6 |
| 3233 | Uncovering spatial patterns of ecosystem services and biodiversity through local communities' preferences and perceptions. Ecosystem Services, 2022, 56, 101436. | 2.3 | 7 |
| 3234 | Improving Predictions of Coastal Benthic Invertebrate Occurrence and Density Using a Multi-Scalar Approach. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 3235 | Growing Space Management in Boreal Mixedwood Forests: 22 Year Results. Journal of Sustainable Forestry, 0, , 1-20. | 0.6 | 2 |
| 3236 | Taxonomic and functional nematode diversity in Maldivian coral degradation zones: patterns across reef typologies and depths. PeerJ, 0, 10, e13644. | 0.9 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 3237 | Rarity begets rarity: Social and environmental drivers of rare organisms in cities. Ecological Applications, 0, , . | 1.8 | 1 |
| 3238 | Community diversity determines the evolution of synthetic bacterial communities under artificial selection. Evolution; International Journal of Organic Evolution, 2022, 76, 1883-1895. | 1.1 | 5 |
| 3239 | Stressors Increase the Impacts of Coastal Macrofauna Biodiversity Loss on Ecosystem Multifunctionality. Ecosystems, 2023, 26, 539-552. | 1.6 | 5 |
| 3240 | Analysis of provisioning ecosystem services and perceptions of climate change for indigenous communities in the Western Himalayan Gurez Valley, Pakistan. Ecosystem Services, 2022, 56, 101453. | 2.3 | 5 |
| 3241 | Characterizing Nearshore Fish Assemblages From Intact and Altered Mangrove Shorelines in Biscayne Bay, Florida, United States. Frontiers in Marine Science, 0, 9, . | 1.2 | 1 |
| 3242 | Effects of long-term N fertilization on nitrate leaching and vegetation responses in a spruce stand after severe wind damage. Forest Ecology and Management, 2022, 520, 120422. | 1.4 | 2 |
| 3243 | Factors affecting functional diversity of grassland vegetations. Ecological Modelling, 2022, 472, 110078. | 1.2 | 2 |
| 3247 | Comparison in phytoplankton diversity-productivity-community stability between river-type reservoir and lake-type reservoir. Journal of Oceanology and Limnology, 2022, 40, 1485-1507. | 0.6 | 2 |
| 3248 | Interannual summer biodiversity changes in ichthyoplankton assemblages of the Strait of Sicily (Central Mediterranean) over the period 2001â€“2016. Frontiers in Marine Science, 0, 9, . | 1.2 | 4 |
| 3250 | Long-term changes in avian biomass and functional diversity within disturbed and undisturbed Amazonian rainforest. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, . | 1.2 | 6 |
| 3251 | The role of diversity, body size and climate in dung removal: A correlative and experimental approach. Journal of Animal Ecology, 2022, 91, 2181-2191. | 1.3 | 4 |
| 3252 | Seedling age of Abies georgei var. smithii reveals functional trait coordination in high-altitude habitats in southeast tibet. Frontiers in Ecology and Evolution, 0, 10, . | 1.1 | 3 |
| 3253 | Drought has inconsistent effects on seed trait composition despite their strong association with ecosystem drought sensitivity. Functional Ecology, 2022, 36, 2690-2700. | 1.7 | 8 |
| 3256 | Greater bee diversity is needed to maintain crop pollination over time. Nature Ecology and Evolution, 2022, 6, 1516-1523. | 3.4 | 8 |
| 3257 | Landforms as combined expressions of multiple reciprocally interacting species: Refining the ecosystem engineering concept. Earth-Science Reviews, 2022, 232, 104152. | 4.0 | 4 |
| 3258 | Spatial variation in the direct and indirect effects of plant diversity on soil respiration in an arid region. Ecological Indicators, 2022, 142, 109288. | 2.6 | 0 |
| 3259 | Unraveling the ecological mechanisms of bacterial succession in epiphytic biofilms on Vallisneria natans and Hydrilla verticillata during bioremediation of phenanthrene and pyrene polluted wetland. Journal of Environmental Management, 2022, 321, 115986. | 3.8 | 8 |
| 3261 | Analysis of the 16S rRNA gene for the characterization of the bacterial community of the Lambro river (Italy). Frontiers in Water, 0, 4, . | 1.0 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 3262 | Spatial and temporal patterns of upland vegetation over the last 200 years in the northern pyrenees: Example from the BassiÃ¨s valley, AriÃ¨ge, France. Quaternary Science Reviews, 2022, 294, 107753. | 1.4 | 2 |
| 3263 | Can we integrate ecological approaches to improve plant selection for green infrastructure?. Urban Forestry and Urban Greening, 2022, 76, 127732. | 2.3 | 23 |
| 3264 | Response of natural tree regeneration to climate adaptation treatments in Pinus resinosa-dominated forests. Forest Ecology and Management, 2022, 523, 120499. | 1.4 | 0 |
| 3265 | Effects of different growth form submerged macrophyte assemblages on biomass accumulation and water purification. Hupo Kexue/Journal of Lake Sciences, 2022, 34, 1484-1492. | 0.3 | 3 |
| 3266 | Relationships Between Plant Diversity and Aboveground Biomass Correlated with Soil Phosphorus Stresses in a Tropical Cloud Forest. , 2022, , 139-150. | | 0 |
| 3267 | Community Structure and Species Diversity in Tropical Cloud Forests. , 2022, , 13-24. | | 0 |
| 3268 | Industrial Applications of Biodiversity Potentials in Africa. Sustainable Development and Biodiversity, 2022, , 23-49. | 1.4 | 1 |
| 3269 | Effects of Species Pool Size and Spatial Scale Variation on Tropical Cloud Forest Community Assembly. , 2022, , 113-125. | | 0 |
| 3270 | Disentangling the effects of biomass and productivity in plant competition. Ecology, 2023, 104, . | 1.5 | 6 |
| 3271 | Scale Effects on the Relationship between Plant Diversity and Ecosystem Multifunctionality in Arid Desert Areas. Forests, 2022, 13, 1505. | 0.9 | 7 |
| 3273 | Beyond Carbon: The Contributions of South American Tropical Humid and Subhumid Forests to Ecosystem Services. Reviews of Geophysics, 2022, 60, . | 9.0 | 14 |
| 3274 | Water utilization of typical plant communities in desert steppe, China. Journal of Arid Land, 2022, 14, 1038-1054. | 0.9 | 5 |
| 3275 | A generalizable and turnable engineered ecosystem provides a clear route to prosperity and well-being to harness the worldâ€™s aquatic â€œblueâ€•food systems to help end hunger: A perspective. Frontiers in Food Science and Technology, 0, 2, . | 1.2 | 0 |
| 3276 | Greater tree species diversity and lower intraspecific competition attenuate impacts from temperature increases and insect epidemics in boreal forests of western QuÃ©bec, Canada. Canadian Journal of Forest Research, 0, , . | 0.8 | 0 |
| 3277 | Postglacial species arrival and diversity buildup of northern ecosystems took millennia. Science Advances, 2022, 8, . | 4.7 | 29 |
| 3278 | Applying the structural causal model framework for observational causal inference in ecology. Ecological Monographs, 2023, 93, . | 2.4 | 19 |
| 3279 | What Inspiring Elements from Natural Services of Water Quality Regulation Could Be Applied to Water Management?. Water (Switzerland), 2022, 14, 3030. | 1.2 | 2 |
| 3280 | Resident-Disperser Differences and Genetic Variability Affect Communities in Microcosms. American Naturalist, 2023, 201, 363-375. | 1.0 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 3281 | Oceny oddziaÅ‚ywania na Å›rodowisko w realizacji projektÃ³w wznoszenia sztucznych wysp na potrzeby energetyki wiatrowej w Polskich Obszarach Morskich. , 2021, 16, 83-104. | | 0 |
| 3282 | Fertiliser application modulates the impact of interannual climate fluctuations and plant-to-plant interactions on the dynamics of annual species in a Mediterranean grassland. Plant Ecology and Diversity, 0, , . | 1.0 | 0 |
| 3283 | Identifying thresholds of nitrogen enrichment for substantial shifts in arbuscular mycorrhizal fungal community metrics in a temperate grassland of northern China. New Phytologist, 2023, 237, 279-294. | 3.5 | 22 |
| 3284 | Quantitative trophic networks of insect gallers and their parasitoids in the hybrid oak complex Quercus magnoliifolia x Quercus resinosa. Arthropod-Plant Interactions, 0, , . | 0.5 | 1 |
| 3285 | A multi-tiered assessment of fish community responses to habitat restoration in a coastal lagoon. Marine Ecology - Progress Series, 2022, 698, 1-14. | 0.9 | 8 |
| 3287 | Improving predictions of coastal benthic invertebrate occurrence and density using a multi-scalar approach. Ocean and Coastal Management, 2022, 230, 106355. | 2.0 | 1 |
| 3288 | Biodiversity buffers the impact of eutrophication on ecosystem functioning of submerged macrophytes on the Yunnan-Guizhou Plateau, Southwest China. Environmental Pollution, 2022, 314, 120210. | 3.7 | 10 |
| 3289 | Using ecosystem integrity to maximize climate mitigation and minimize risk in international forest policy. Frontiers in Forests and Global Change, 0, 5, . | 1.0 | 7 |
| 3290 | Tree neighbourhood-scale variation in topsoil chemistry depends on species identity effects related to litter quality. European Journal of Forest Research, 2022, 141, 1163-1176. | 1.1 | 2 |
| 3291 | Community assembly history alters relationships between biodiversity and ecosystem functions during restoration. Ecology, 2023, 104, . | 1.5 | 6 |
| 3292 | A spatially-explicit database of tree-related microhabitats in Europe and beyond. Biodiversity Data Journal, 0, 10, . | 0.4 | 0 |
| 3294 | Fertilization and overseeding legumes on native grasslands leads to a hardly reversible degraded state. Applied Vegetation Science, 2022, 25, . | 0.9 | 7 |
| 3295 | Spatial dynamics of a vegetation model with uptakeâ€“diffusion feedback in an arid environment. Journal of Mathematical Biology, 2022, 85, . | 0.8 | 4 |
| 3296 | Field spray abdominal gland secretions of rove beetles: Effects on the pest abundance and arthropod community. Journal of Applied Entomology, 0, , . | 0.8 | 2 |
| 3297 | Pesticide soil microbial toxicity: setting the scene for a new pesticide risk assessment for soil microorganisms (IUPAC Technical Report). Pure and Applied Chemistry, 2022, 94, 1161-1194. | 0.9 | 11 |
| 3298 | Seasonal Patterns of Phytoplankton Taxon Richness in Lakes: Effects of Temperature, Turnover and Abundance. Protist, 2022, 173, 125925. | 0.6 | 9 |
| 3299 | How Do Landscape Heterogeneity, Community Structure, and Topographical Factors Contribute to the Plant Diversity of Urban Remnant Vegetation at Different Scales?. International Journal of Environmental Research and Public Health, 2022, 19, 14302. | 1.2 | 2 |
| 3300 | Anthropogenic disturbance mediates soil water effect on diversity-productivity relationships in a temperate forest region. Forest Ecology and Management, 2022, 525, 120544. | 1.4 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 3301 | Lightâ€“acquisition traits link aboveground biomass and environment in inner salineâ€“alkaline herbaceous marshes. Science of the Total Environment, 2023, 857, 159660. | 3.9 | 2 |
| 3302 | Niche and fitness differences relate the maintenance of diversity to ecosystem function: reply. Ecology, 2012, 93, 1487-1491. | 1.5 | 3 |
| 3303 | Community biomass is driven by dominants and their characteristics â€“ The insight from a field biodiversity experiment with realistic species loss scenario. Journal of Ecology, 2023, 111, 240-250. | 1.9 | 6 |
| 3304 | Species Î±-diversity promotes but Î²-diversity restricts aboveground biomass in tropical forests, depending on stand structure and environmental factors. Journal of Forestry Research, 2023, 34, 889-901. | 1.7 | 3 |
| 3305 | Oceanography and Marine Biology: An Annual Review, Volume 60. , 0, , . | | 1 |
| 3306 | Environmental DNA Biomonitoring Reveals the Interactive Effects of Dams and Nutrient Enrichment on Aquatic Multitrophic Communities. Environmental Science & Technology, 2022, 56, 16952-16963. | 4.6 | 15 |
| 3307 | Functional space expansion driven by transitions between energetically advantageous traits in the deep sea. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, . | 1.2 | 1 |
| 3308 | Warming changed the relationship between species diversity and primary productivity of alpine meadow on the Tibetan Plateau. Ecological Indicators, 2022, 145, 109691. | 2.6 | 4 |
| 3309 | Adaptive strategy biases in engineered ecosystems: Implications for plant community dynamics and the provisioning of ecosystem services to people. People and Nature, 2022, 4, 1644-1663. | 1.7 | 2 |
| 3310 | Growth trends and environmental drivers of major tree species of the northern hardwood forest of eastern North America. Journal of Forestry Research, 0, , . | 1.7 | 3 |
| 3311 | ESTRUTURA E GRUPOS ECOLÃ“GICOS DE UM FRAGMENTO DE FLORESTA ESTACIONAL SEMIDECIDUAL NO TRIÃ‚NGULO MINEIRO, BRASIL. Caminhos De Geografia, 2012, 13, . | 0.1 | 1 |
| 3312 | Taxonomic and functional structure of macrobenthic invertebrate communities and their response to environmental variables along the subbranches of the Nile River (rayahs), Egypt. Environmental Science and Pollution Research, 2023, 30, 28803-28817. | 2.7 | 3 |
| 3313 | Distinct roles of bacteria and fungi in mediating soil extracellular enzymes under long-term nitrogen deposition in temperate plantations. Forest Ecology and Management, 2023, 529, 120658. | 1.4 | 5 |
| 3314 | Landscape and population drivers of ungulate-vehicle collisions in Portugal. Applied Geography, 2023, 151, 102859. | 1.7 | 3 |
| 3315 | Offsetting environmental impacts beyond climate change: the Circular Ecosystem Compensation approach. Journal of Environmental Management, 2023, 329, 117068. | 3.8 | 3 |
| 3316 | Tree diversity increases soil C and N stocks of secondary forests in subtropical China. Catena, 2023, 222, 106812. | 2.2 | 2 |
| 3317 | Predicting Changes in Forest Growing Season (FGS) in the Transitional Climate of Poland on the Basis of Current Grid Datasets. Forests, 2022, 13, 2019. | 0.9 | 1 |
| 3319 | Contribution of silica-scaled chrysophytes to ecosystems services: a review. Hydrobiologia, 2023, 850, 2735-2756. | 1.0 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 3320 | Effects of Land Use Changes on the Plant Community Characteristics in the Wetlands of the Semi-Arid Regions. Diversity, 2022, 14, 1049. | 0.7 | 3 |
| 3321 | Future tree survival in European forests depends on understorey tree diversity. Scientific Reports, 2022, 12, . | 1.6 | 0 |
| 3322 | Effects of diversity on thermal niche variation in bird communities under climate change. Scientific Reports, 2022, 12, . | 1.6 | 0 |
| 3323 | Spatial-Temporal Patterns of Ecosystem Services Supply-Demand and Influencing Factors: A Case Study of Resource-Based Cities in the Yellow River Basin, China. International Journal of Environmental Research and Public Health, 2022, 19, 16100. | 1.2 | 7 |
| 3324 | Native microbiomes in danger: Could One Health help to cope with this threat to global health?. International Journal of One Health, 0, , 178-184. | 0.6 | 1 |
| 3325 | Effects of Fertilizer Level and Intercropping Planting Pattern with Corn on the Yield-Related Traits and Insect Community of Soybean. Agronomy, 2022, 12, 3080. | 1.3 | 2 |
| 3326 | Phenological response to climate variation in a northern red oak plantation: Links to survival and productivity. Ecology, 0, , . | 1.5 | 0 |
| 3327 | Precipitation and temperature regulate species diversity, plant coverage and aboveground biomass through opposing mechanisms in large-scale grasslands. Frontiers in Plant Science, 0, 13, . | 1.7 | 2 |
| 3329 | Climate Effects on Prairie Productivity Partially Ameliorated by Soil Nutrients and Plant Community Responses. Ecosystems, 0, , . | 1.6 | 2 |
| 3330 | Asymmetric responses of soil bacterial community and soil respiration to precipitation changes: A global metaâ€anâ€analysis. Land Degradation and Development, 2023, 34, 1887-1896. | 1.8 | 2 |
| 3331 | Microbial Community Dynamics Due to Land Use Change: Some Circumstances in the Tropical Rain Forest of Indonesia. Climate Change Management, 2023, , 51-69. | 0.6 | 0 |
| 3332 | Grazing intensity alters the plant diversityâ€“ecosystem carbon storage relationship in rangelands across topographic and climatic gradients. Functional Ecology, 2023, 37, 703-718. | 1.7 | 4 |
| 3333 | Functional characteristics rather than coâ€•occurrences determine the outcome of interactions between neighbouring plants in subâ€Antarctic ponds: Consequences for macrophyte community biomass. Freshwater Biology, 2023, 68, 561-576. | 1.2 | 3 |
| 3334 | Multistability and hysteresis in states of oral microbiota: Is it impacting the dental clinical cohort studies?. Journal of Periodontal Research, 2023, 58, 381-391. | 1.4 | 1 |
| 3335 | Temporal and spatial niche complementarity in sunflower pollinator communities and pollination function. Basic and Applied Ecology, 2023, 67, 1-13. | 1.2 | 5 |
| 3336 | Effects of landâ€use changes on soil organic nitrogen fractions in the black soil region of Northeast China. Soil Use and Management, 2023, 39, 805-816. | 2.6 | 2 |
| 3337 | Analyzing trophic ecosystem functions with the interaction functional space. Trends in Ecology and Evolution, 2023, 38, 424-434. | 4.2 | 2 |
| 3338 | The Species Structure of Plankton Communities as a Response to Changes in the Trophic Gradient of the Mouth Areas of Large Tributaries to a Lowland Reservoir. Water (Switzerland), 2023, 15, 74. | 1.2 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 3339 | How Important Are the Relations between Vegetation Diversity and Bacterial Functional Diversity for the Functioning of Novel Ecosystems?. Sustainability, 2023, 15, 678. | 1.6 | 5 |
| 3340 | Some of the Mechanisms for Coexistence of Tree Species Diversity in Tropical Forests: A Review of Effects of Tree Density Dependence. Open Journal of Forestry, 2023, 13, 132-144. | 0.1 | 0 |
| 3341 | Hair to canopy: role of organic debris in soil formation and succession of rock ecosystem. , 2023, , 185-212. | | 0 |
| 3342 | Odonata (Insecta) Communities in a Lowland Mixed Mosaic Forest in Central Kalimantan, Indonesia. Ecologies, 2023, 4, 55-73. | 0.7 | 0 |
| 3348 | Drone-assisted collection of environmental DNA from tree branches for biodiversity monitoring. Science Robotics, 2023, 8, . | 9.9 | 12 |
| 3349 | Elevated alpha diversity in disturbed sites obscures regional decline and homogenization of amphibian taxonomic, functional and phylogenetic diversity. Scientific Reports, 2023, 13, . | 1.6 | 7 |
| 3350 | Restoration of insect communities after land use change is shaped by plant diversity: a case study on carabid beetles (Carabidae). Scientific Reports, 2023, 13, . | 1.6 | 1 |
| 3351 | Cultural Landscape as Both a Threat and an Opportunity to Preserve a High Conservation Value of Vascular Flora: A Case Study. Diversity, 2023, 15, 211. | 0.7 | 1 |
| 3352 | Unravelling the relationship between plant diversity and vegetation structural complexity: A review and theoretical framework. Journal of Ecology, 2023, 111, 1378-1395. | 1.9 | 9 |
| 3353 | Spatial assembly of grassland communities and interrelationships with productivity. Functional Ecology, 0, , . | 1.7 | 0 |
| 3354 | Water competition among the coexisting Platycladus orientalis, Prunus davidiana and Medicago sativa in a semi-arid agroforestry system. Agricultural Water Management, 2023, 279, 108206. | 2.4 | 3 |
| 3355 | Contrasting the effects of microplastic types, concentrations and nutrient enrichment on freshwater communities and ecosystem functioning. Ecotoxicology and Environmental Safety, 2023, 255, 114834. | 2.9 | 11 |
| 3356 | Remotely sensed functional diversity and its association with productivity in a subtropical forest. Remote Sensing of Environment, 2023, 290, 113530. | 4.6 | 3 |
| 3357 | Relation analysis of bacterial community in soils of coal mines with potential ecological risk from heavy metals. Environmental Technology and Innovation, 2023, 30, 103125. | 3.0 | 2 |
| 3358 | Applying ecological principles to maximize resistance to invasion in restored plant communities. Ecological Engineering, 2023, 190, 106926. | 1.6 | 3 |
| 3359 | Functional vulnerability and biogeography of reef fish assemblages in the Galapagos Archipelago. Estuarine, Coastal and Shelf Science, 2023, 286, 108301. | 0.9 | 3 |
| 3360 | Carbon dynamics in old-growth forests of the Central Hardwoods Region, USA. Forest Ecology and Management, 2023, 537, 120958. | 1.4 | 4 |
| 3361 | eDNA metabarcoding reveals shifts in sediment eukaryote communities in a metal contaminated estuary. Marine Pollution Bulletin, 2023, 191, 114896. | 2.3 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 3362 | Defining marine bacterioplankton community assembly rules by contrasting the importance of environmental determinants and biotic interactions. Environmental Microbiology, 2023, 25, 1084-1098. | 1.8 | 2 |
| 3363 | Structural diversity as a reliable and novel predictor for ecosystem productivity. Frontiers in Ecology and the Environment, 2023, 21, 33-39. | 1.9 | 16 |
| 3364 | Research Progress of Grassland Ecosystem Structure and Stability and Inspiration for Improving Its Service Capacity in the Karst Desertification Control. Plants, 2023, 12, 770. | 1.6 | 7 |
| 3365 | Precipitation preferences alter the relative importance of herbaceous plant diversity for multifunctionality in the drylands of China. Frontiers in Ecology and Evolution, 0, 11, . | 1.1 | 5 |
| 3366 | Two pathways drive enhanced nitrogen acquisition via a complementarity effect in long-term intercropping. Field Crops Research, 2023, 293, 108854. | 2.3 | 7 |
| 3367 | Crustaceans functional diversity in mangroves and adjacent mudflats of the Persian Gulf and Gulf of Oman. Marine Environmental Research, 2023, 186, 105919. | 1.1 | 7 |
| 3368 | Effects of various COD/NO ratios on NOx removal performance and microbial communities in a BTFâ^'ABR integrated system. Chemosphere, 2023, 321, 138121. | 4.2 | 1 |
| 3369 | Challenges and opportunities in the use of ponds and pondscapes as Nature-based Solutions. Hydrobiologia, 2023, 850, 3257-3271. | 1.0 | 10 |
| 3371 | Abundance modulates the ecosystem functional contributions of two sympatric Caribbean sea cucumbers. PeerJ, 0, 11, e14823. | 0.9 | 1 |
| 3372 | Next-Generation DNA Barcoding for Fish Identification Using High-Throughput Sequencing in Tai Lake, China. Water (Switzerland), 2023, 15, 774. | 1.2 | 0 |
| 3373 | Dynamic Habitat Indices and Climatic Characteristics Explain Species Richness Patterns on the Mongolian Plateau. Remote Sensing, 2023, 15, 1092. | 1.8 | 1 |
| 3374 | Modeling the continua in the outcomes of biotic interactions. Ecology, 2023, 104, . | 1.5 | 5 |
| 3375 | Persistent decadal differences in plant communities assembled under contrasting climate conditions. Ecological Applications, 2023, 33, . | 1.8 | 1 |
| 3376 | Grassland Ecosystem Progress: A Review and Bibliometric Analysis Based on Research Publication over the Last Three Decades. Agronomy, 2023, 13, 614. | 1.3 | 7 |
| 3377 | Relevant but neglected habitat types by the Directive 92/43 EEC in southern Italy. Rendiconti Lincei, 2023, 34, 457-482. | 1.0 | 2 |
| 3378 | Spatiotemporal dynamics of benthic bacterial communities in the Perdido Fold Belt, Northwestern Gulf of Mexico. Frontiers in Marine Science, 0, 10, . | 1.2 | 2 |
| 3379 | Pancosmorio (world limit) theory of the sustainability of human migration and settlement in space. Frontiers in Astronomy and Space Sciences, 0, 10, . | 1.1 | 1 |
| 3380 | Plant community traits and functions mediate the biomass trade-off of alpine grasslands along precipitation gradients on the Tibetan Plateau. Journal of Plant Ecology, 2023, 16, . | 1.2 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 3381 | Crop domestication disrupts intercropping benefits: A case study from barleyâ€“faba bean mixture under contrasting P inputs. Frontiers in Plant Science, 0, 14, . | 1.7 | 0 |
| 3382 | From ecological functions to ecosystem services: linking coastal lagoons biodiversity with human well-being. Hydrobiologia, 2023, 850, 2611-2653. | 1.0 | 12 |
| 3383 | Ecosystem Services and Values of Wetlands with Special Reference with East Kolkata Wetlands. , 2023, , 227-255. | | 0 |
| 3384 | Role of invertebrates in groundwater ecosystem processes and services. , 2023, , 263-281. | | 1 |
| 3385 | Editorial: Plant diversity and biomass dynamics under environmental variation. Frontiers in Plant Science, 0, 14, . | 1.7 | 1 |
| 3386 | Fishing for flies: testing the efficacy of â€œstink stationsâ€•for promoting blow flies as pollinators in mango orchards. Journal of Pollination Ecology, 0, 33, 79-100. | 0.5 | 5 |
| 3387 | Deep-Sea Meiofaunaâ€”A World on Its Own or Deeply Connected?. , 2023, , 257-283. | | 0 |
| 3388 | The Combination of Plant Diversity and Soil Microbial Diversity Directly and Actively Drives the Multifunctionality of Grassland Ecosystems in the Middle Part of the Northern Slopes of the Tian Shan under Grazing Disturbance. Sustainability, 2023, 15, 5673. | 1.6 | 1 |
| 3389 | The contrasting response of cavityâ€•nesting bees, wasps and their natural enemies to biodiversity conservation measures. Insect Conservation and Diversity, 2023, 16, 468-482. | 1.4 | 2 |
| 3391 | Little evidence for land-use filters on intraspecific trait variation in three arthropod groups. Web Ecology, 2023, 23, 35-49. | 0.4 | 0 |
| 3392 | A critical assessment of the biodiversityâ€“productivity relationship in forests and implications for conservation. Oecologia, 2023, 201, 887-900. | 0.9 | 3 |
| 3393 | Reducing bias in experimental ecology through directed acyclic graphs. Ecology and Evolution, 2023, 13, . | 0.8 | 1 |
| 3394 | Environmental heterogeneity modulates the effect of plant diversity on the spatial variability of grassland biomass. Nature Communications, 2023, 14, . | 5.8 | 6 |
| 3395 | Traitâ€•based species richness: ecology and macroevolution. Biological Reviews, 2023, 98, 1365-1387. | 4.7 | 4 |
| 3396 | Ecological importance of rare phytoplankton species revealed by their high contribution to unsaturated fatty acids in tropical waters. Freshwater Biology, 0, , . | 1.2 | 1 |
| 3397 | Comparative ecosystem modelling of dynamics and stability of subtropical estuaries under external perturbations in the Gulf of Mexico. ICES Journal of Marine Science, 0, , . | 1.2 | 0 |
| 3398 | Natural regeneration potential and dynamics in boreal lichen woodlands of eastern Canada following soil scarification. Frontiers in Forests and Global Change, 0, 6, . | 1.0 | 3 |
| 3399 | Relationship between plant species diversity and aboveground biomass in alpine grasslands on the Qinghaiâ€“Tibet Plateau: Spatial patterns and the factors driving them. Frontiers in Ecology and Evolution, 0, 11, . | 1.1 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 3400 | Middle-Scale Spatial and Temporal Patterns in Estuaries: Rocky Intertidal Macrobenthic Communities in the Hangzhou Bay and Zhoushan Sea. Estuaries and Coasts, 2023, 46, 1302-1315. | 1.0 | 1 |
| 3401 | Microalgal diversity enhances water purification efficiency in experimental microcosms. Frontiers in Ecology and Evolution, 0, 11, . | 1.1 | 0 |
| 3402 | Comparative Assessment of Tree Carbon Sequestration Potential and Soil Carbon Dynamics of Major Plantation Crops and Homestead Agroforestry of Kerala, India. Anthropocene Science, 2023, 2, 93-100. | 1.6 | 1 |
| 3404 | Mapping tree species diversity in temperate montane forests using Sentinel-1 and Sentinel-2 imagery and topography data. Remote Sensing of Environment, 2023, 292, 113576. | 4.6 | 11 |
| 3415 | Conceptualizing the human drivers of low tree diversity in planted urban landscapes. Ambio, 0, , . | 2.8 | 0 |
| 3443 | Forest Health in the Anthropocene. , 2023, , 745-772. | | 0 |
| 3453 | Plant physiological and molecular responses triggered by humic based biostimulants - A way forward to sustainable agriculture. Plant and Soil, 2023, 492, 31-60. | 1.8 | 3 |
| 3454 | Large-Scale Biodiversity Experiments. , 2024, , 304-314. | | 0 |
| 3488 | Designer cropping systems in phytoremediation programs. , 2024, , 283-340. | | 0 |
| 3491 | Editorial: Effects of non-random sources of alteration on biodiversity and ecosystem functioning. Frontiers in Ecology and Evolution, 0, 11, . | 1.1 | 0 |
| 3507 | Editorial: Continuous living cover: adaptive strategies for putting regenerative agriculture into practice. Frontiers in Sustainable Food Systems, 0, 7, . | 1.8 | 1 |
| 3510 | Metagenomics and metatranscriptomics as potential driving forces for the exploration of diversity and functions of micro-eukaryotes in soil. 3 Biotech, 2023, 13, . | 1.1 | 0 |
| 3524 | Soil microbial diversity and functions. , 2024, , 17-29. | | 0 |