

Thomas Kastner

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

8,313
citations

61857

43
h-index

49773

87
g-index

104
all docs

104
docs citations

104
times ranked

10469
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Assessing the contribution of mobility in the European Union to rubber expansion. <i>Ambio</i> , 2022, 51, 770-783. | 2.8 | 8 |
| 2 | Land use intensification increasingly drives the spatiotemporal patterns of the global human appropriation of net primary production in the last century. <i>Global Change Biology</i> , 2022, 28, 307-322. | 4.2 | 33 |
| 3 | Environmental and socioeconomic correlates of extinction risk in endemic species. <i>Diversity and Distributions</i> , 2022, 28, 53-64. | 1.9 | 16 |
| 4 | Biodiversity post-2020: Closing the gap between global targets and national-level implementation. <i>Conservation Letters</i> , 2022, 15, e12848. | 2.8 | 32 |
| 5 | Bridging the research-implementation gap in IUCN Red List assessments. <i>Trends in Ecology and Evolution</i> , 2022, 37, 359-370. | 4.2 | 58 |
| 6 | Relative effects of land conversion and land-use intensity on terrestrial vertebrate diversity. <i>Nature Communications</i> , 2022, 13, 615. | 5.8 | 29 |
| 7 | Agricultural trade and its impacts on cropland use and the global loss of species habitat. <i>Sustainability Science</i> , 2022, 17, 2363-2377. | 2.5 | 9 |
| 8 | Changes in Climate Vulnerability and Projected Water Stress of The Gambia's Food Supply Between 1988 and 2018: Trading With Trade-Offs. <i>Frontiers in Public Health</i> , 2022, 10, . | 1.3 | 3 |
| 9 | Archetype models upscale understanding of natural pest control response to land-use change. <i>Ecological Applications</i> , 2022, 32, . | 1.8 | 11 |
| 10 | Does agricultural trade reduce pressure on land ecosystems? Decomposing drivers of the embodied human appropriation of net primary production. <i>Ecological Economics</i> , 2021, 181, 106915. | 2.9 | 34 |
| 11 | Pathways to '5-a-day' modeling the health impacts and environmental footprints of meeting the target for fruit and vegetable intake in the United Kingdom. <i>American Journal of Clinical Nutrition</i> , 2021, 114, 530-539. | 2.2 | 9 |
| 12 | Quantifying and attributing land use-induced carbon emissions to biomass consumption: A critical assessment of existing approaches. <i>Journal of Environmental Management</i> , 2021, 286, 112228. | 3.8 | 20 |
| 13 | Climate and socioeconomic factors explain differences between observed and expected naturalization patterns of European plants around the world. <i>Global Ecology and Biogeography</i> , 2021, 30, 1514-1531. | 2.7 | 8 |
| 14 | <sc>bRacatus</sc>: A method to estimate the accuracy and biogeographical status of georeferenced biological data. <i>Methods in Ecology and Evolution</i> , 2021, 12, 1609-1619. | 2.2 | 13 |
| 15 | Potential alien ranges of European plants will shrink in the future, but less so for already naturalized than for not yet naturalized species. <i>Diversity and Distributions</i> , 2021, 27, 2063-2076. | 1.9 | 7 |
| 16 | The micronutrient content of the European Union's agricultural trade. <i>Ecological Economics</i> , 2021, 188, 107118. | 2.9 | 1 |
| 17 | Tracing Austria's biomass consumption to source countries: A product-level comparison between bioenergy, food and material. <i>Ecological Economics</i> , 2021, 188, 107129. | 2.9 | 16 |
| 18 | Global agricultural trade and land system sustainability: Implications for ecosystem carbon storage, biodiversity, and human nutrition. <i>One Earth</i> , 2021, 4, 1425-1443. | 3.6 | 37 |

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|----|---|------|-----------|
| 19 | Global inequalities in food consumption, cropland demand and land-use efficiency: A decomposition analysis. <i>Global Environmental Change</i> , 2020, 64, 102124. | 3.6 | 79 |
| 20 | A cross-scale assessment of productivity-diversity relationships. <i>Global Ecology and Biogeography</i> , 2020, 29, 1940-1955. | 2.7 | 35 |
| 21 | Bending the curve of terrestrial biodiversity needs an integrated strategy. <i>Nature</i> , 2020, 585, 551-556. | 13.7 | 413 |
| 22 | United Kingdom's fruit and vegetable supply is increasingly dependent on imports from climate-vulnerable producing countries. <i>Nature Food</i> , 2020, 1, 705-712. | 6.2 | 33 |
| 23 | Inclusion, Transparency, and Enforcement: How the EU-Mercosur Trade Agreement Fails the Sustainability Test. <i>One Earth</i> , 2020, 3, 268-272. | 3.6 | 31 |
| 24 | Quantifying interregional flows of multiple ecosystem services – A case study for Germany. <i>Global Environmental Change</i> , 2020, 61, 102051. | 3.6 | 54 |
| 25 | Development and testing scenarios for implementing land use and land cover changes during the Holocene in Earth system model experiments. <i>Geoscientific Model Development</i> , 2020, 13, 805-824. | 1.3 | 36 |
| 26 | Telecoupling through tomato trade: what consumers do not know about the tomato on their plate. <i>Global Sustainability</i> , 2020, 3, . | 1.6 | 12 |
| 27 | Telecoupled environmental impacts of current and alternative Western diets. <i>Global Environmental Change</i> , 2020, 62, 102066. | 3.6 | 33 |
| 28 | Trends in global virtual land trade in relation to agricultural products. <i>Land Use Policy</i> , 2020, 92, 104439. | 2.5 | 40 |
| 29 | Agricultural intensification and land use change: assessing country-level induced intensification, land sparing and rebound effect. <i>Environmental Research Letters</i> , 2020, 15, 085007. | 2.2 | 42 |
| 30 | Adding country resolution to EXIOBASE: impacts on land use embodied in trade. <i>Journal of Economic Structures</i> , 2020, 9, 14. | 0.6 | 23 |
| 31 | Environmental footprint family to address local to planetary sustainability and deliver on the SDGs. <i>Science of the Total Environment</i> , 2019, 693, 133642. | 3.9 | 245 |
| 32 | Large greenhouse gas savings due to changes in the post-Soviet food systems. <i>Environmental Research Letters</i> , 2019, 14, 065009. | 2.2 | 38 |
| 33 | Reply to: Soils need to be considered when assessing the impacts of land-use change on carbon sequestration. <i>Nature Ecology and Evolution</i> , 2019, 3, 1643-1644. | 3.4 | 0 |
| 34 | The global cropland footprint of Denmark's food supply 2000-2013. <i>Global Environmental Change</i> , 2019, 58, 101978. | 3.6 | 26 |
| 35 | Guidance for assessing interregional ecosystem service flows. <i>Ecological Indicators</i> , 2019, 105, 92-106. | 2.6 | 57 |
| 36 | Deforestation displaced: trade in forest-risk commodities and the prospects for a global forest transition. <i>Environmental Research Letters</i> , 2019, 14, 055003. | 2.2 | 188 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Increasing impacts of land use on biodiversity and carbon sequestration driven by population and economic growth. <i>Nature Ecology and Evolution</i> , 2019, 3, 628-637. | 3.4 | 265 |
| 38 | Conservation Telecouplings. , 2019, , 281-302. | | 5 |
| 39 | Agricultural and forestry trade drives large share of tropical deforestation emissions. <i>Global Environmental Change</i> , 2019, 56, 1-10. | 3.6 | 289 |
| 40 | Essential biodiversity variables for mapping and monitoring species populations. <i>Nature Ecology and Evolution</i> , 2019, 3, 539-551. | 3.4 | 283 |
| 41 | Toolbox: Flow Analysisâ€”Social Metabolism in the Analysis of Telecoupling. , 2019, , 139-148. | | 2 |
| 42 | EXIOBASE 3: Developing a Time Series of Detailed Environmentally Extended Multiâ€”Regional Inputâ€”Output Tables. <i>Journal of Industrial Ecology</i> , 2018, 22, 502-515. | 2.8 | 514 |
| 43 | Interregional flows of ecosystem services: Concepts, typology and four cases. <i>Ecosystem Services</i> , 2018, 31, 231-241. | 2.3 | 143 |
| 44 | Land use options for staying within the Planetary Boundaries â€” Synergies and trade-offs between global and local sustainability goals. <i>Global Environmental Change</i> , 2018, 49, 73-84. | 3.6 | 88 |
| 45 | Winners and losers of national and global efforts to reconcile agricultural intensification and biodiversity conservation. <i>Global Change Biology</i> , 2018, 24, 2212-2228. | 4.2 | 62 |
| 46 | Unexpectedly large impact of forest management and grazing on global vegetation biomass. <i>Nature</i> , 2018, 553, 73-76. | 13.7 | 422 |
| 47 | Widespread winners and narrow-ranged losers: Land use homogenizes biodiversity in local assemblages worldwide. <i>PLoS Biology</i> , 2018, 16, e2006841. | 2.6 | 165 |
| 48 | The role of trade in the greenhouse gas footprints of EU diets. <i>Global Food Security</i> , 2018, 19, 48-55. | 4.0 | 89 |
| 49 | Addressing future trade-offs between biodiversity and cropland expansion to improve food security. <i>Regional Environmental Change</i> , 2017, 17, 1429-1441. | 1.4 | 74 |
| 50 | Linking national wood consumption with global biodiversity and ecosystem service losses. <i>Science of the Total Environment</i> , 2017, 586, 985-994. | 3.9 | 35 |
| 51 | Quantifying Spatial Variation in Ecosystem Services Demand: A Global Mapping Approach. <i>Ecological Economics</i> , 2017, 136, 14-29. | 2.9 | 67 |
| 52 | Total global agricultural land footprint associated with UK food supply 1986â€”2011. <i>Global Environmental Change</i> , 2017, 43, 72-81. | 3.6 | 53 |
| 53 | Groundwater depletion embedded in international food trade. <i>Nature</i> , 2017, 543, 700-704. | 13.7 | 612 |
| 54 | Multiscale scenarios for nature futures. <i>Nature Ecology and Evolution</i> , 2017, 1, 1416-1419. | 3.4 | 131 |

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|----|---|-----|-----------|
| 55 | Quantification of uncertainties in global grazing systems assessment. <i>Global Biogeochemical Cycles</i> , 2017, 31, 1089-1102. | 1.9 | 62 |
| 56 | Agriculture rivals biomes in predicting global species richness. <i>Ecography</i> , 2017, 40, 1118-1128. | 2.1 | 16 |
| 57 | Linking country level food supply to global land and water use and biodiversity impacts: The case of Finland. <i>Science of the Total Environment</i> , 2017, 575, 33-40. | 3.9 | 24 |
| 58 | How Much Time Does a Farmer Spend to Produce My food? An International Comparison of the Impact of Diets and Mechanization. <i>Resources</i> , 2016, 5, 47. | 1.6 | 15 |
| 59 | The Philippines 1910â€“2003: A Century of Transitions. , 2016, , 447-458. | | 1 |
| 60 | Livestock Grazing, the Neglected Land Use. , 2016, , 295-313. | | 12 |
| 61 | Systemic Feedbacks in Global Land Use. , 2016, , 315-334. | | 1 |
| 62 | How Far Does the European Union Reach? Analyzing Embodied HANPP. , 2016, , 349-360. | | 1 |
| 63 | A Forest Transition: Austrian Carbon Budgets 1830â€“2010. , 2016, , 417-431. | | 5 |
| 64 | Beyond Inputs and Outputs: Opening the Black-Box of Land-Use Intensity. , 2016, , 93-124. | | 12 |
| 65 | Changes in the spatial patterns of human appropriation of net primary production (HANPP) in Europe 1990â€“2006. <i>Regional Environmental Change</i> , 2016, 16, 1225-1238. | 1.4 | 55 |
| 66 | Land use biodiversity impacts embodied in international food trade. <i>Global Environmental Change</i> , 2016, 38, 195-204. | 3.6 | 174 |
| 67 | Mapping and analysing cropland use intensity from a NPP perspective. <i>Environmental Research Letters</i> , 2016, 11, 014008. | 2.2 | 43 |
| 68 | Global cropland and greenhouse gas impacts of UK food supply are increasingly located overseas. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20151001. | 1.5 | 42 |
| 69 | Transformation scenarios towards a low-carbon bioeconomy in Austria. <i>Energy Strategy Reviews</i> , 2016, 13-14, 125-133. | 3.3 | 28 |
| 70 | Evaluating the impacts of wood production and trade on bird extinction risks. <i>Ecological Indicators</i> , 2016, 71, 368-376. | 2.6 | 15 |
| 71 | The dynamics of beef trade between Brazil and Russia and their environmental implications. <i>Global Food Security</i> , 2016, 11, 84-92. | 4.0 | 35 |
| 72 | Biomass turnover time in terrestrial ecosystems halved by land use. <i>Nature Geoscience</i> , 2016, 9, 674-678. | 5.4 | 108 |

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|----|---|-----|-----------|
| 73 | Exploring the biophysical option space for feeding the world without deforestation. <i>Nature Communications</i> , 2016, 7, 11382. | 5.8 | 221 |
| 74 | International inequality of environmental pressures: Decomposition and comparative analysis. <i>Ecological Indicators</i> , 2016, 62, 163-173. | 2.6 | 70 |
| 75 | Trading forests: land-use change and carbon emissions embodied in production and exports of forest-risk commodities. <i>Environmental Research Letters</i> , 2015, 10, 125012. | 2.2 | 242 |
| 76 | Global patterns of agricultural land-use intensity and vertebrate diversity. <i>Diversity and Distributions</i> , 2015, 21, 1308-1318. | 1.9 | 65 |
| 77 | Trading Land: A Review of Approaches to Accounting for Upstream Land Requirements of Traded Products. <i>Journal of Industrial Ecology</i> , 2015, 19, 703-714. | 2.8 | 55 |
| 78 | Forest harvest index: Accounting for global gross forest cover loss of wood production and an application of trade analysis. <i>Global Ecology and Conservation</i> , 2015, 4, 150-159. | 1.0 | 21 |
| 79 | Exploring long-term trends in land use change and aboveground human appropriation of net primary production in nine European countries. <i>Land Use Policy</i> , 2015, 47, 426-438. | 2.5 | 72 |
| 80 | Global Human Appropriation of Net Primary Production for Biomass Consumption in the European Union, 1986–2007. <i>Journal of Industrial Ecology</i> , 2015, 19, 825-836. | 2.8 | 41 |
| 81 | Global patterns and trends of wood harvest and use between 1990 and 2010. <i>Ecological Economics</i> , 2015, 119, 326-337. | 2.9 | 31 |
| 82 | Rapid growth in agricultural trade: effects on global area efficiency and the role of management. <i>Environmental Research Letters</i> , 2014, 9, 034015. | 2.2 | 184 |
| 83 | Cropland area embodied in international trade: Contradictory results from different approaches. <i>Ecological Economics</i> , 2014, 104, 140-144. | 2.9 | 95 |
| 84 | European dietary patterns and their associated land use: Variation between and within countries. <i>Food Policy</i> , 2014, 44, 158-166. | 2.8 | 27 |
| 85 | Challenges and opportunities in mapping land use intensity globally. <i>Current Opinion in Environmental Sustainability</i> , 2013, 5, 484-493. | 3.1 | 279 |
| 86 | Bias in the attribution of forest carbon sinks. <i>Nature Climate Change</i> , 2013, 3, 854-856. | 8.1 | 129 |
| 87 | Agricultural trade and virtual land use: The case of China's crop trade. <i>Land Use Policy</i> , 2013, 33, 141-150. | 2.5 | 119 |
| 88 | Human Appropriation of Net Primary Production, Stocks and Flows of Carbon, and Biodiversity. , 2013, , 313-331. | | 2 |
| 89 | Global changes in diets and the consequences for land requirements for food. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6868-6872. | 3.3 | 445 |
| 90 | Global effects of national biomass production and consumption: Austria's embodied HANPP related to agricultural biomass in the year 2000. <i>Ecological Economics</i> , 2012, 84, 66-73. | 2.9 | 21 |

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|----|--|-----|-----------|
| 91 | Long-term trajectories of the human appropriation of net primary production: Lessons from six national case studies. <i>Ecological Economics</i> , 2012, 77, 129-138. | 2.9 | 54 |
| 92 | International wood trade and forest change: A global analysis. <i>Global Environmental Change</i> , 2011, 21, 947-956. | 3.6 | 119 |
| 93 | Changing demand for food, livestock feed and biofuels in the past and in the near future. <i>Livestock Science</i> , 2011, 139, 3-10. | 0.6 | 40 |
| 94 | Tracing distant environmental impacts of agricultural products from a consumer perspective. <i>Ecological Economics</i> , 2011, 70, 1032-1040. | 2.9 | 191 |
| 95 | Changes in land requirements for food in the Philippines: A historical analysis. <i>Land Use Policy</i> , 2010, 27, 853-863. | 2.5 | 51 |
| 96 | Trajectories in human domination of ecosystems: Human appropriation of net primary production in the Philippines during the 20th century. <i>Ecological Economics</i> , 2009, 69, 260-269. | 2.9 | 44 |
| 97 | LUCC in the Philippines over the 20th century: Links to population growth, food demand and trade. <i>IOP Conference Series: Earth and Environmental Science</i> , 2009, 6, 342025. | 0.2 | 0 |
| 98 | Trading Forests: Quantifying the Contribution of Global Commodity Markets to Emissions from Tropical Deforestation. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 4 |