

Birgit Kopainsky

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,577
citations

471509

17
h-index

330143

37
g-index

53
all docs

53
docs citations

53
times ranked

1763
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Food system resilience: Defining the concept. <i>Global Food Security</i> , 2015, 6, 17-23. | 8.1 | 456 |
| 2 | A framework to assess the resilience of farming systems. <i>Agricultural Systems</i> , 2019, 176, 102656. | 6.1 | 302 |
| 3 | Call for transparency of COVID-19 models. <i>Science</i> , 2020, 368, 482-483. | 12.6 | 85 |
| 4 | Development of Organic Farming in Europe at the Crossroads: Looking for the Way Forward through System Archetypes Lenses. <i>Sustainability</i> , 2017, 9, 821. | 3.2 | 57 |
| 5 | Closing the loop: promoting synergies with other theory building approaches to improve system dynamics practice. <i>Systems Research and Behavioral Science</i> , 2008, 25, 471-486. | 1.6 | 54 |
| 6 | A system dynamics approach for examining mechanisms and pathways of food supply vulnerability. <i>Journal of Environmental Studies and Sciences</i> , 2015, 5, 321-336. | 2.0 | 54 |
| 7 | Can Organic Farming Reduce Vulnerabilities and Enhance the Resilience of the European Food System? A Critical Assessment Using System Dynamics Structural Thinking Tools. <i>Sustainability</i> , 2016, 8, 971. | 3.2 | 40 |
| 8 | Transforming food systems at local levels: Using participatory system dynamics in an interactive manner to refine small-scale farmers' mental models. <i>Ecological Modelling</i> , 2017, 362, 101-110. | 2.5 | 40 |
| 9 | Reflections on adapting group model building scripts into online workshops. <i>System Dynamics Review</i> , 2020, 36, 358-372. | 1.9 | 40 |
| 10 | Food security outcomes in agricultural systems models: Current status and recommended improvements. <i>Agricultural Systems</i> , 2021, 188, 103028. | 6.1 | 36 |
| 11 | Designing Sustainable Food Security Policies in Sub-Saharan African Countries: How Social Dynamics Over-Ride Utility Evaluations for Good and Bad. <i>Systems Research and Behavioral Science</i> , 2012, 29, 575-589. | 1.6 | 27 |
| 12 | Conceptual frameworks linking agriculture and food security. <i>Nature Food</i> , 2020, 1, 541-551. | 14.0 | 23 |
| 13 | Simulator-supported descriptions of complex dynamic problems: experimental results on task performance and system understanding. <i>System Dynamics Review</i> , 2011, 27, 142-172. | 1.9 | 22 |
| 14 | Do you bend or break? System dynamics in resilience planning for food security. <i>System Dynamics Review</i> , 2019, 35, 287-309. | 1.9 | 21 |
| 15 | Food Provision and Environmental Goals in the Swiss Agri-Food System: System Dynamics and the Social-ecological Systems Framework. <i>Systems Research and Behavioral Science</i> , 2015, 32, 414-432. | 1.6 | 19 |
| 16 | System Dynamics and Simulation/Gaming. <i>Simulation and Gaming</i> , 2015, 46, 223-229. | 1.9 | 19 |
| 17 | Supporting stakeholders to anticipate and respond to risks in a Mekong River water-energy-food nexus. <i>Ecology and Society</i> , 2020, 25, . | 2.3 | 19 |
| 18 | Using system dynamics to support a participatory assessment of resilience. <i>Environment Systems and Decisions</i> , 2020, 40, 342-355. | 3.4 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | The Bio-Based Economy: Dynamics Governing Transition Pathways in the Swedish Forestry Sector. Sustainability, 2018, 10, 976. | 3.2 | 18 |
| 20 | Investigating the drivers of innovation diffusion in a low income country context. The case of adoption of improved maize seed in Malawi. Futures, 2016, 81, 161-175. | 2.5 | 17 |
| 21 | Agricultural intensification can no longer ignore water conservation – A systemic modelling approach to the case of tomato producers in Morocco. Agricultural Water Management, 2021, 256, 107082. | 5.6 | 17 |
| 22 | Effect of Prior Exploration as an Instructional Strategy for System Dynamics. Simulation and Gaming, 2015, 46, 293-321. | 1.9 | 15 |
| 23 | Participatory Modeling Updates Expectations for Individuals and Groups, Catalyzing Behavior Change and Collective Action in Water-Energy-Food Nexus Governance. Earth's Future, 2019, 7, 1337-1352. | 6.3 | 15 |
| 24 | Application of the Malaria Management Model to the Analysis of Costs and Benefits of DDT versus Non-DDT Malaria Control. PLoS ONE, 2011, 6, e27771. | 2.5 | 14 |
| 25 | Systems Education at Bergen. Systems, 2014, 2, 159-167. | 2.3 | 13 |
| 26 | Food security outcomes in agricultural systems models: Case examples and priority information needs. Agricultural Systems, 2021, 188, 103030. | 6.1 | 13 |
| 27 | A Food Systems Perspective for Food and Nutrition Security beyond the Post-2015 Development Agenda. Systems Research and Behavioral Science, 2018, 35, 178-190. | 1.6 | 12 |
| 28 | Climate change adaptation processes seen through a resilience lens: Norwegian farmers' handling of the dry summer of 2018. Environmental Science and Policy, 2022, 133, 146-154. | 4.9 | 12 |
| 29 | Automated assessment of learners' understanding in complex dynamic systems. System Dynamics Review, 2012, 28, 131-156. | 1.9 | 11 |
| 30 | Human-Water Dynamics and their Role for Seasonal Water Scarcity – a Case Study. Water Resources Management, 2021, 35, 3043-3061. | 3.9 | 11 |
| 31 | Understanding resilience of farming systems: Insights from system dynamics modelling for an arable farming system in the Netherlands. Ecological Modelling, 2022, 464, 109848. | 2.5 | 10 |
| 32 | Understanding the Transition to a Bio-Based Economy: Exploring Dynamics Linked to the Agricultural Sector in Sweden. Sustainability, 2018, 10, 1504. | 3.2 | 9 |
| 33 | Effects of Structural Transparency in System Dynamics Simulators on Performance and Understanding. Systems, 2015, 3, 152-176. | 2.3 | 7 |
| 34 | Closing the mineral construction material cycle – An endogenous perspective on barriers in transition. Resources, Conservation and Recycling, 2021, 175, 105859. | 10.8 | 6 |
| 35 | Sustainable and healthy diets: Synergies and trade-offs in Switzerland. Systems Research and Behavioral Science, 2020, 37, 908-927. | 1.6 | 6 |
| 36 | Natural Resource Management: Contributions of System Dynamics to Research, Policy and Implementation. Systems Research and Behavioral Science, 2017, 34, 378-385. | 1.6 | 4 |

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|----|--|-----|-----------|
| 37 | Short-term versus long-term decision trade-offs: Evidence from a model-based observational experiment with African small-scale farmers. <i>Systems Research and Behavioral Science</i> , 2019, 36, 215-228. | 1.6 | 4 |
| 38 | Integrated simulation for national development planning. <i>Kybernetes</i> , 2019, 48, 208-223. | 2.2 | 4 |
| 39 | Using Participatory System Dynamics Modeling to Address Complex Conservation Problems: Tiger Farming as a Case Study. <i>Frontiers in Conservation Science</i> , 2021, 2, . | 1.9 | 4 |
| 40 | Learning about Dynamic Problems with Computer Simulators: A Case of System Dynamics Simulation Models. , 2008, , . | | 2 |
| 41 | System Dynamics as a Framework for Understanding Human-Environment Dynamics. <i>AESS Interdisciplinary Environmental Studies and Sciences Series</i> , 2017, , 25-36. | 0.2 | 2 |
| 42 | Participatory System Dynamics Mapping for Collaboration and Socioecological Integration in the Lake Tana Region. <i>AESS Interdisciplinary Environmental Studies and Sciences Series</i> , 2017, , 615-630. | 0.2 | 2 |
| 43 | Using microworlds for policymaking in the context of resilient farming systems. <i>Journal of Simulation</i> , 0, , 1-25. | 1.5 | 1 |
| 44 | Dynamics of Enforcement and Infringement of Intellectual Property Rights and Implications for the Incentive Function. <i>SSRN Electronic Journal</i> , 2010, , . | 0.4 | 0 |
| 45 | Wie weiter mit der dezentralen Besiedlung in der Schweiz? : Abschätzung von Entwicklungsperspektiven auf Gemeindeebene. <i>Geographica Helvetica</i> , 2005, 60, 239-247. | 0.8 | 0 |
| 46 | Social Dynamics Overriding Utility Evaluations for Good and Bad: Implications for the Design of Sustainable Food Security Policies in Sub-Saharan African Countries. <i>Sustainability and Innovation</i> , 2013, , 223-241. | 0.2 | 0 |
| 47 | Call for submissions to the 2022 ISDC. <i>System Dynamics Review</i> , 2021, 37, 367-369. | 1.9 | 0 |
| 48 | Integrated Assessment of the Sustainability and Resilience of Farming Systems. , 2022, , 279-301. | | 0 |
| 49 | SURE-Farm Approach to Assess the Resilience of European Farming Systems. , 2022, , 1-17. | | 0 |