

# Maja SchlÃ¼ter

## List of Publications by Year in descending order

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84  
papers

5,918  
citations

94381

37  
h-index

85498

71  
g-index

90  
all docs

90  
docs citations

90  
times ranked

6567  
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward Principles for Enhancing the Resilience of Ecosystem Services. <i>Annual Review of Environment and Resources</i> , 2012, 37, 421-448.	5.6	844
2	Social norms as solutions. <i>Science</i> , 2016, 354, 42-43.	6.0	476
3	Describing human decisions in agent-based models – ODD+AD, an extension of the ODD protocol. <i>Environmental Modelling and Software</i> , 2013, 48, 37-48.	1.9	343
4	Middle-range theories of land system change. <i>Global Environmental Change</i> , 2018, 53, 52-67.	3.6	323
5	A framework for mapping and comparing behavioural theories in models of social-ecological systems. <i>Ecological Economics</i> , 2017, 131, 21-35.	2.9	302
6	Principles for Building Resilience. , 2015, , .		280
7	Environmental flows and water governance: managing sustainable water uses. <i>Current Opinion in Environmental Sustainability</i> , 2013, 5, 341-351.	3.1	198
8	Regime shifts in a social-ecological system. <i>Theoretical Ecology</i> , 2013, 6, 359-372.	0.4	169
9	Mechanisms of Resilience in Common-pool Resource Management Systems: an Agent-based Model of Water Use in a River Basin. <i>Ecology and Society</i> , 2007, 12, .	1.0	144
10	Traps and Sustainable Development in Rural Areas: A Review. <i>World Development</i> , 2018, 101, 311-321.	2.6	125
11	Capturing emergent phenomena in social-ecological systems: an analytical framework. <i>Ecology and Society</i> , 2019, 24, .	1.0	119
12	A more dynamic understanding of human behaviour for the Anthropocene. <i>Nature Sustainability</i> , 2019, 2, 1075-1082.	11.5	112
13	The survival of the conformist: Social pressure and renewable resource management. <i>Journal of Theoretical Biology</i> , 2012, 299, 152-161.	0.8	108
14	Resilience offers escape from trapped thinking on poverty alleviation. <i>Science Advances</i> , 2017, 3, e1603043.	4.7	91
15	Optimizing long-term water allocation in the Amudarya River delta: a water management model for ecological impact assessment. <i>Environmental Modelling and Software</i> , 2005, 20, 529-545.	1.9	86
16	Application of the SES Framework for Model-based Analysis of the Dynamics of Social-Ecological Systems. <i>Ecology and Society</i> , 2014, 19, .	1.0	85
17	The Routledge Handbook of Research Methods for Social-Ecological Systems. , 0, , .		81
18	Cross-Comparison of Climate Change Adaptation Strategies Across Large River Basins in Europe, Africa and Asia. <i>Water Resources Management</i> , 2010, 24, 4121-4160.	1.9	79

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19	Sustainability transformations: socio-political shocks as opportunities for governance transitions. <i>Global Environmental Change</i> , 2020, 63, 102097.	3.6	75
20	Antibiotic and pesticide susceptibility and the Anthropocene operating space. <i>Nature Sustainability</i> , 2018, 1, 632-641.	11.5	74
21	A diagnostic procedure for applying the social-ecological systems framework in diverse cases. <i>Ecology and Society</i> , 2015, 20, .	1.0	72
22	Standardised and transparent model descriptions for agent-based models: Current status and prospects. <i>Environmental Modelling and Software</i> , 2014, 55, 156-163.	1.9	71
23	Advancing understanding of natural resource governance: a post-Ostrom research agenda. <i>Current Opinion in Environmental Sustainability</i> , 2020, 44, 26-34.	3.1	67
24	Enhancing the Ostrom social-ecological system framework through formalization. <i>Ecology and Society</i> , 2014, 19, .	1.0	64
25	An empirical model of the Baltic Sea reveals the importance of social dynamics for ecological regime shifts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11120-11125.	3.3	62
26	Combining system dynamics and agent-based modeling to analyze social-ecological interactions—an example from modeling restoration of a shallow lake. <i>Frontiers in Environmental Science</i> , 2015, 3, .	1.5	59
27	Towards representing human behavior and decision making in Earth system models—an overview of techniques and approaches. <i>Earth System Dynamics</i> , 2017, 8, 977-1007.	2.7	57
28	The potential of models and modeling for social-ecological systems research: the reference frame ModSES. <i>Ecology and Society</i> , 2019, 24, .	1.0	57
29	Coping with change: responses of the Uzbek water management regime to socio-economic transition and global change. <i>Environmental Science and Policy</i> , 2010, 13, 620-636.	2.4	54
30	Transferring Williamson's discriminating alignment to the analysis of environmental governance of social-ecological interdependence. <i>Ecological Economics</i> , 2016, 128, 159-168.	2.9	53
31	Uncovering the political dimension of social-ecological systems: Contributions from policy process frameworks. <i>Global Environmental Change</i> , 2016, 40, 13-25.	3.6	52
32	A fuzzy habitat suitability index for <i>Populus euphratica</i> in the Northern Amudarya delta (Uzbekistan). <i>Ecological Modelling</i> , 2005, 184, 313-328.	1.2	50
33	Use antimicrobials wisely. <i>Nature</i> , 2016, 537, 159-161.	13.7	47
34	Using agent-based modelling to simulate social-ecological systems across scales. <i>Geoinformatica</i> , 2019, 23, 269-298.	2.0	46
35	Modelling systemic change in coupled socio-environmental systems. <i>Environmental Modelling and Software</i> , 2016, 75, 318-332.	1.9	44
36	Toward a methodology for explaining and theorizing about social-ecological phenomena. <i>Current Opinion in Environmental Sustainability</i> , 2019, 39, 44-53.	3.1	44

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37	Application of a GIS-based simulation tool to illustrate implications of uncertainties for water management in the Amudarya river delta. <i>Environmental Modelling and Software</i> , 2007, 22, 158-166.	1.9	43
38	Managing water-use trade-offs in a semi-arid river delta to sustain multiple ecosystem services: a modeling approach. <i>Ecological Research</i> , 2009, 24, 491-503.	0.7	41
39	Exploring Resilience and Transformability of a River Basin in the Face of Socioeconomic and Ecological Crisis: an Example from the Amudarya River Basin, Central Asia. <i>Ecology and Society</i> , 2011, 16, .	1.0	41
40	From nouns to verbs: How process ontologies enhance our understanding of social-ecological systems understood as complex adaptive systems. <i>People and Nature</i> , 2020, 2, 328-338.	1.7	41
41	The contributions of resilience to reshaping sustainable development. <i>Nature Sustainability</i> , 2022, 5, 657-664.	11.5	38
42	Robustness of norm-driven cooperation in the commons. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20152431.	1.2	34
43	Navigating Complexities: Agent-Based Modeling to Support Research, Governance, and Management in Small-Scale Fisheries. <i>Frontiers in Marine Science</i> , 2020, 6, .	1.2	34
44	Cognition and behavior in context: a framework and theories to explain natural resource use decisions in social-ecological systems. <i>Sustainability Science</i> , 2021, 16, 1651-1671.	2.5	32
45	Enhancing resilience to water flow uncertainty by integrating environmental flows into water management in the Amudarya River, Central Asia. <i>Global and Planetary Change</i> , 2013, 110, 114-129.	1.6	30
46	Behavioural diversity in fishing—Towards a next generation of fishery models. <i>Fish and Fisheries</i> , 2020, 21, 872-890.	2.7	29
47	Micro-level explanations for emergent patterns of self-governance arrangements in small-scale fisheries—A modeling approach. <i>PLoS ONE</i> , 2017, 12, e0175532.	1.1	29
48	Rethinking resilience and development: A coevolutionary perspective. <i>Ambio</i> , 2021, 50, 1304-1312.	2.8	27
49	Cooperation Is Not Enough—Exploring Social-Ecological Micro-Foundations for Sustainable Common-Pool Resource Use. <i>PLoS ONE</i> , 2016, 11, e0157796.	1.1	26
50	Tracing a pathway to success: How competing interest groups influenced the 2013 EU Common Fisheries Policy reform. <i>Environmental Science and Policy</i> , 2017, 76, 90-102.	2.4	25
51	Adopting process-relational perspectives to tackle the challenges of social-ecological systems research. <i>Ecology and Society</i> , 2020, 25, .	1.0	24
52	Spatial diversification as a mechanism to adapt to environmental changes in small-scale fisheries. <i>Environmental Science and Policy</i> , 2021, 116, 246-257.	2.4	23
53	Complexity-based social-ecological systems research: philosophical foundations and practical implications. , 2021, , 27-46.		22
54	Implications of poverty traps across levels. <i>World Development</i> , 2021, 144, 105437.	2.6	22

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55	The SES-Framework as boundary object to address theory orientation in social-ecological system research: The SES-TheOr approach. <i>Ecological Economics</i> , 2015, 116, 12-24.	2.9	20
56	Governing the commons beyond harvesting: An empirical illustration from fishing. <i>PLoS ONE</i> , 2020, 15, e0231575.	1.1	20
57	The importance of transient social dynamics for restoring ecosystems beyond ecological tipping points. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2717-2722.	3.3	19
58	Modeling responses of coupled social-ecological systems of the Gulf of California to anthropogenic and natural perturbations. <i>Ecological Research</i> , 2009, 24, 505-519.	0.7	18
59	TUGAI: An Integrated Simulation Tool for Ecological Assessment of Alternative Water Management Strategies in a Degraded River Delta. <i>Environmental Management</i> , 2006, 38, 638-653.	1.2	17
60	Effects of development interventions on biocultural diversity: a case study from the Pamir Mountains. <i>Agriculture and Human Values</i> , 2020, 37, 683-697.	1.7	16
61	Effective alleviation of rural poverty depends on the interplay between productivity, nutrients, water and soil quality. <i>Ecological Economics</i> , 2020, 169, 106494.	2.9	15
62	Taxonomies for structuring models for World-Earth systems analysis of the Anthropocene: subsystems, their interactions and social-ecological feedback loops. <i>Earth System Dynamics</i> , 2021, 12, 1115-1137.	2.7	15
63	Sustainable natural resource governance under interest group competition in policy-making. <i>Nature Human Behaviour</i> , 2020, 4, 898-909.	6.2	14
64	Why care about theories? Innovative ways of theorizing in sustainability science. <i>Current Opinion in Environmental Sustainability</i> , 2022, 54, 101154.	3.1	14
65	Introducing the H2020 AQUACROSS project: Knowledge, Assessment, and Management for AQUatic Biodiversity and Ecosystem Services across EU policies. <i>Science of the Total Environment</i> , 2019, 652, 320-329.	3.9	13
66	The interplay between top-down interventions and bottom-up self-organization shapes opportunities for transforming self-governance in small-scale fisheries. <i>Marine Policy</i> , 2021, 128, 104485.	1.5	12
67	Towards a Process Epistemology for the Analysis of Social-Ecological Systems. <i>Environmental Values</i> , 2020, 29, 221-239.	0.7	11
68	Formalising theories of human decision-making for agent-based modelling of social-ecological systems: practical lessons learned and ways forward. <i>Socio-Environmental Systems Modeling</i> , 0, 2, 16340.	0.0	11
69	Explaining institutional persistence, adaptation, and transformation in East German recreational-fisheries governance after the German reunification in 1990. <i>Ecological Economics</i> , 2013, 96, 36-50.	2.9	10
70	Local, Global, Multi-Level: Market Structure and Multi-Species Fishery Dynamics. <i>Ecological Economics</i> , 2019, 156, 185-195.	2.9	10
71	Past management affects success of current joint forestry management institutions in Tajikistan. <i>Environment, Development and Sustainability</i> , 2019, 21, 2183-2224.	2.7	10
72	What are social-ecological systems and social-ecological systems research?. , 2021, , 3-26.		10

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73	Principle 3 – “Manage slow variables and feedbacks. , 2015, , 105-141.		8
74	Short-term decisions in lake restoration have long-term consequences for water quality. <i>Regional Environmental Change</i> , 2020, 20, 1.	1.4	8
75	A framework for analyzing, comparing, and diagnosing social-ecological systems. <i>Ecology and Society</i> , 2015, 20, .	1.0	8
76	An introduction to the resilience approach and principles to sustain ecosystem services in social – ecological systems. , 2015, , 1-31.		7
77	Understanding the dynamics of fish politics: The role of diverse actor interactions in transformations towards co-management. <i>Environmental Science and Policy</i> , 2021, 124, 195-205.	2.4	7
78	Cross-scale cooperation enables sustainable use of a common-pool resource. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191943.	1.2	4
79	Social relationship dynamics mediate climate impacts on income inequality: evidence from the Mexican Humboldt squid fishery. <i>Regional Environmental Change</i> , 2021, 21, 35.	1.4	4
80	Combining approaches: Looking behind the scenes of integrating multiple types of evidence from controlled behavioural experiments through agent-based modelling. <i>International Journal of Social Research Methodology: Theory and Practice</i> , 2022, 25, 569-581.	2.3	4
81	Reflections on building resilience – interactions among principles and implications for governance. , 2015, , 251-282.		3
82	Synthesis and emerging frontiers in social-ecological systems research methods. , 2021, , 453-479.		3
83	Social-Ecological Intertwinedness: An Attempt at a Clarification. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
84	Fish provision in a changing environment: The buffering effect of regional trade networks. <i>PLoS ONE</i> , 2021, 16, e0261514.	1.1	2