JÃ¹/₄rgen Scheffran

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5827699/publications.pdf

Version: 2024-02-01

159 papers 6,057 citations

38 h-index 71

g-index

172 all docs

172 docs citations

172 times ranked

5263 citing authors

#	Article	IF	CITATIONS
1	Social capital and farmers' leadership in Iranian rural communities: application of social network analysis. Journal of Environmental Planning and Management, 2023, 66, 977-1001.	4.5	12
2	A social network analysis of internally displaced communities in northeast Nigeria: potential conflicts with host communities in the Lake Chad region. Geo Journal, 2022, 87, 4251-4268.	3.1	3
3	Sustainable agriculture in Northeastern India: how do tribal farmers perceive and respond to climate change?. International Journal of Sustainable Development and World Ecology, 2022, 29, 291-302.	5.9	8
4	Reinventing the wheel – The preservation and potential of traditional water wheels in the terraced irrigated landscapes of the Ricote Valley, southeast Spain. Agricultural Water Management, 2022, 259, 107240.	5.6	1
5	Evaluating economic and ecological management to determine the economic size of pastoral units for different climatic zones in the northeast of Iran. Journal of Environmental Management, 2022, 301, 113766.	7.8	5
6	Climate Change: Human Security Between Conflict and Cooperation. , 2022, , 807-819.		2
7	Perspectives on tipping points in integrated models of the natural and human Earth system: cascading effects and telecoupling. Environmental Research Letters, 2022, 17, 015004.	5.2	33
8	A Comprehensive Evaluation of Electricity Planning Models in Egypt: Optimization versus Agent-Based Approaches. Sustainability, 2022, 14, 1563.	3.2	4
9	Assessing the Siting Potential of Low-Carbon Energy Power Plants in the Yangtze River Delta: A GIS-Based Approach. Energies, 2022, 15, 2167.	3.1	2
10	Climate Adaptation and Successful Adaptation Definitions: Latin American Perspectives Using the Delphi Method. Sustainability, 2022, 14, 5350.	3.2	2
11	Climate-related disasters and agricultural land conversion: towards prevention policies. Climate and Development, 2022, 14, 814-828.	3.9	8
12	Modelling armed conflict risk under climate change with machine learning and time-series data. Nature Communications, 2022, 13 , .	12.8	12
13	Prediction of landslides by machine learning algorithms and statistical methods in Iran. Environmental Earth Sciences, 2022, 81, .	2.7	6
14	One year of the COVID-19 pandemic in the Global South: Uneven vulnerabilities in Brazilian cities. Erdkunde, 2022, 76, 75-91.	0.8	3
15	Conflict-Sensitive Climate Change Adaptation: A Review. Sustainability, 2022, 14, 8060.	3.2	4
16	Pathways to water conflict during drought in the MENA region. Journal of Peace Research, 2021, 58, 568-582.	2.9	19
17	Identifying sustainable rural entrepreneurship indicators in the Iranian context. Journal of Cleaner Production, 2021, 290, 125186.	9.3	17
18	A Dynamic-Agent-Based Sustainability Assessment of Energy Systems. Green Energy and Technology, 2021, , 161-181.	0.6	0

#	Article	IF	Citations
19	A life-cycle assessment framework for quantifying the carbon footprint of rural households based on survey data. MethodsX, 2021, 8, 101411.	1.6	8
20	The state of agricultural landscapes in the Mediterranean: smallholder agriculture and land abandonment in terraced landscapes of the Ricote Valley, southeast Spain. Regional Environmental Change, 2021, 21, 1.	2.9	22
21	Technological and social networks of a pastoralist artificial society: agent-based modeling of mobility patterns. Journal of Computational Social Science, 2021, 4, 681-707.	2.4	4
22	Water Resources, Forced Migration and Tensions with Host Communities in the Nigerian Part of the Lake Chad Basin. Resources, 2021, 10, 27.	3 . 5	11
23	Disaggregated validation of disaster-resilience indicators using household survey data: A case study of Hong Kong. Sustainable Cities and Society, 2021, 67, 102726.	10.4	20
24	Cities on the Coast and Patterns of Movement between Population Growth and Diffusion. Entropy, 2021, 23, 1041.	2.2	2
25	Urban flood risks and emerging challenges in a Chinese delta: The case of the Pearl River Delta. Environmental Science and Policy, 2021, 122, 101-115.	4.9	51
26	Resilience of human settlements against landslide risk: The case of Kurdistan Province, Iran. Land Degradation and Development, 2021, 32, 5360-5377.	3.9	8
27	Impacts of changing urban land-use structure on sustainable city growth in China: A population-density dynamics perspective. Habitat International, 2021, 107, 102296.	5.8	62
28	Time-series trend analysis and farmer perceptions of rainfall and temperature in northwestern Ethiopia. Environment, Development and Sustainability, 2021, 23, 12904-12924.	5.0	9
29	Livelihood transitions transformed households' carbon footprint in the Three Gorges Reservoir area of China. Journal of Cleaner Production, 2021, 328, 129607.	9.3	12
30	Climate extremes and conflict dynamics. , 2020, , 293-315.		5
31	Insecurity, Resource Scarcity, and Migration to Camps of Internally Displaced Persons in Northeast Nigeria. Sustainability, 2020, 12, 6830.	3.2	14
32	Directions for Research on Climate and Conflict. Earth's Future, 2020, 8, e2020EF001532.	6.3	37
33	Multi-Domain Design Structure Matrix Approach Applied to Urban System Modeling. Urban Science, 2020, 4, 28.	2.3	1
34	Climate change vulnerability, water resources and social implications in North Africa. Regional Environmental Change, 2020, 20, 1.	2.9	184
35	An inverted U-shaped curve relating farmland vulnerability to biological disasters: Implications for sustainable intensification in China. Science of the Total Environment, 2020, 732, 138829.	8.0	10
36	An Agent-Based Approach to Integrated Assessment Modelling of Climate Change. Jasss, 2020, 23, .	1.8	11

#	Article	IF	Citations
37	The Root Causes of the Crisis in Northeast Nigeria: Historical, Socioeconomic and Environmental Dimensions. Mediterranean Journal of Social Sciences, 2020, 11, 95.	0.2	7
38	Weather, War, and Chaos: Richardson's Encounter with Molecules and Nations. Pioneers in Arts, Humanities, Science, Engineering, Practice, 2020, , 87-99.	0.0	1
39	Vulnerability to climate change of smallholder farmers in the Hamadan province, Iran. Climate Risk Management, 2019, 23, 146-159.	3.2	74
40	The entwined Cold War roots of missile defense and climate geoengineering. Bulletin of the Atomic Scientists, 2019, 75, 222-228.	0.6	6
41	Vulnerability of informal settlements in the context of rapid urbanization and climate change. Environment and Urbanization, 2019, 31, 157-176.	2.6	101
42	A system dynamics model of smart groundwater governance. Agricultural Water Management, 2019, 221, 502-518.	5.6	56
43	A Transdisciplinary Approach to Identifying Transboundary Tipping Points in a Contentious Area: Experiences from across the Jordan River Region. Sustainability, 2019, 11, 1184.	3.2	6
44	Climate as a risk factor for armed conflict. Nature, 2019, 571, 193-197.	27.8	306
45	The Treaty is Out of the Bottle: The Power and Logic of Nuclear Disarmament. Journal for Peace and Nuclear Disarmament, 2019, 2, 114-132.	1.0	1
46	Real or Hyped? Linkages Between Environmental / Climate Change and Conflicts – The Case of Farmers and Fulani Pastoralists in Ghana. , 2019, , 161-185.		5
47	Farmer Perceptions of Climate Change, Observed Trends and Adaptation of Agriculture in Pakistan. Environmental Management, 2019, 63, 110-123.	2.7	133
48	A Dynamic Sustainability Analysis of Energy Landscapes in Egypt: A Spatial Agent-Based Model Combined with Multi-Criteria Decision Analysis. Jasss, 2019, 22, .	1.8	11
49	Challenges, risks and threats for security in Europe - 11th Network Europe Conference Warsaw 19th - 22nd May 2019. , 2019, , .		O
50	Awareness of sea-level response under climate change on the coast of Ghana. Journal of Coastal Conservation, 2018, 22, 183-197.	1.6	19
51	Assessment of Flood Losses with Household Responses: Agent-Based Simulation in an Urban Catchment Area. Environmental Modeling and Assessment, 2018, 23, 369-388.	2.2	44
52	Cooperation and Co-Existence Between Farmers and Herders in the Midst of Violent Farmer-Herder Conflicts in Ghana. African Studies Review, 2018, 61, 78-102.	0.3	36
53	The potential of volunteered geographic information to investigate peri-urbanization in the conservation zone of Mexico City. Environmental Monitoring and Assessment, 2018, 190, 219.	2.7	12
54	Climate change, water management and stakeholder analysis in the Dongjiang River basin in South China. International Journal of Water Resources Development, 2018, 34, 166-191.	2.0	48

#	Article	IF	CITATIONS
55	Environmental impacts and causes of conflict in the Horn of Africa: A review. Earth-Science Reviews, 2018, 177, 284-290.	9.1	47
56	A local to global perspective on oil and wind exploitation, resource governance and conflict in Northern Kenya. Conflict, Security and Development, 2018, 18, 571-600.	1.3	21
57	Evaluating climate geoengineering proposals in the context of the Paris Agreement temperature goals. Nature Communications, 2018, 9, 3734.	12.8	166
58	Verification and security of transformation to a nuclear-weapon-free world: the framework of the Treaty on the Prohibition of Nuclear Weapons. Global Change, Peace and Security, 2018, 30, 143-162.	0.8	6
59	Sustainability Assessment of Electricity Generation Technologies in Egypt Using Multi-Criteria Decision Analysis. Energies, 2018, 11, 1117.	3.1	69
60	An Agent-Based Modeling Framework for Simulating Human Exposure to Environmental Stresses in Urban Areas. Urban Science, 2018, 2, 36.	2.3	23
61	Revealing the role of livelihood assets in livelihood strategies: Towards enhancing conservation and livelihood development in the Hara Biosphere Reserve, Iran. Ecological Indicators, 2018, 94, 336-347.	6.3	66
62	Energy Landscapes: Modeling of Renewable Energy Resources with an Emphasis on Northern Germany. Bulletin of the American Meteorological Society, 2018, 99, ES71-ES74.	3.3	2
63	Human and remote sensing data to investigate the frontiers of urbanization in the south of Mexico City. Data in Brief, 2017, 11, 5-11.	1.0	6
64	Optimizing the bioenergy industry infrastructure: Transportation networks and bioenergy plant locations. Applied Energy, 2017, 192, 247-261.	10.1	34
65	Reconciling food and bioenergy feedstock supply in emerging economies: Evidence from Jiangsu Province in China. International Journal of Green Energy, 2017, 14, 509-521.	3.8	5
66	Resilience and environmental security: towards joint application in peacebuilding. Global Change, Peace and Security, 2017, 29, 107-127.	0.8	33
67	Frontiers of urbanization: Identifying and explaining urbanization hot spots in the south of Mexico City using human and remote sensing. Applied Geography, 2017, 79, 1-10.	3.7	50
68	Selection of sustainable development indicators for the assessment of electricity production in Egypt. Sustainable Energy Technologies and Assessments, 2017, 22, 65-73.	2.7	41
69	Health impacts of smog pollution: the human dimensions of exposure. Lancet Planetary Health, The, 2017, 1, e132-e133.	11.4	20
70	A Conceptual Modeling Approach to Health-Related Urban Well-Being. Urban Science, 2017, 1, 17.	2.3	22
71	The Role of Social Networks in Agricultural Adaptation to Climate Change: Implications for Sustainable Agriculture in Pakistan. Climate, 2017, 5, 85.	2.8	57
72	Impacts of the German Energy Transition on Coastal Communities in Schleswig-Holstein, Germany. Regions, 2017, 307, 9-12.	0.1	2

#	Article	IF	Citations
73	Klimawandel als RisikoverstÃrker in komplexen Systemen. , 2017, , 287-294.		o
74	Change in Environmental Benefits of Urban Land Use and Its Drivers in Chinese Cities, 2000–2010. International Journal of Environmental Research and Public Health, 2016, 13, 535.	2.6	22
75	Resilience of small-scale societies: a view from drylands. Ecology and Society, 2016, 21, .	2.3	24
76	Actors and networks in resource conflict resolution under climate change in rural Kenya. Earth System Dynamics, 2016, 7, 441-452.	7.1	11
77	Conflict and cooperation in the waterâ€security nexus: a global comparative analysis of river basins under climate change. Wiley Interdisciplinary Reviews: Water, 2016, 3, 495-515.	6.5	50
78	Adaptation to climate change and its impacts on food productivity and crop income: Perspectives of farmers in rural Pakistan. Journal of Rural Studies, 2016, 47, 254-266.	4.7	186
79	Enabling Environments for Sustainable Energy Transitions: The Diffusion of Technology, Innovation and Investment in Low-Carbon Societies. Hexagon Series on Human and Environmental Security and Peace, 2016, , 721-756.	0.2	3
80	The Climate-Conflict Nexus: Pathways, Regional Links, and Case Studies. Hexagon Series on Human and Environmental Security and Peace, 2016, , 285-304.	0.2	13
81	Securitization of media reporting on climate change? A cross-national analysis in nine countries. Security Dialogue, 2016, 47, 76-96.	2.2	39
82	Climate change vulnerability, adaptation and risk perceptions at farm level in Punjab, Pakistan. Science of the Total Environment, 2016, 547, 447-460.	8.0	272
83	Human mobility, climate adaptation, and development. Migration and Development, 2016, 5, 165-170.	1.1	23
84	Between the heat and the hardships. Climate change and mixed migration flows in Morocco. Migration and Development, 2016, 5, 293-213.	1.1	8
85	From a Climate of Complexity to Sustainable Peace: Viability Transformations and Adaptive Governance in the Anthropocene. Hexagon Series on Human and Environmental Security and Peace, 2016, , 305-346.	0.2	5
86	KlimaneutralitÃĦ Edition Kulturwissenschaft, 2015, , 187-194.	0.1	0
87	The Nexus of Climate Change, Land Use, and Conflict: Complex Human–Environment Interactions in Northern Africa. Bulletin of the American Meteorological Society, 2015, 96, 1561-1564.	3.3	8
88	The nexus of oil, conflict, and climate change vulnerability of pastoral communities in northwest Kenya. Earth System Dynamics, 2015, 6, 703-717.	7.1	23
89	Farmers' perceptions of and adaptation strategies to climate change and their determinants: the case of Punjab province, Pakistan. Earth System Dynamics, 2015, 6, 225-243.	7.1	343
90	Bioenergy and Food Supply: A Spatial-Agent Dynamic Model of Agricultural Land Use for Jiangsu Province in China. Energies, 2015, 8, 13284-13307.	3.1	9

#	Article	IF	Citations
91	Social Networks in Water Governance and Climate Adaptation in Kenya. Green Energy and Technology, 2015, , 151-167.	0.6	7
92	Climate-related flood risks and urban responses in the Pearl River Delta, China. Regional Environmental Change, 2015, 15, 379-391.	2.9	102
93	Migration, Social Demands and Environmental Change amongst the Frafra of Northern Ghana and the Biali in Northern Benin. Sustainability, 2014, 6, 375-398.	3.2	28
94	One effect to rule them all? A comment on climate and conflict. Climatic Change, 2014, 127, 391-397.	3.6	181
95	On exposure, vulnerability and violence: Spatial distribution of risk factors for climate change and violent conflict across Kenya and Uganda. Political Geography, 2014, 43, 68-81.	2.5	67
96	Conflicts and Security Risks of Climate Change in the Mediterranean Region. , 2014, , 625-640.		5
97	On climate, conflict and cumulation: suggestions for integrative cumulation of knowledge in the research on climate change and violent conflict. Global Change, Peace and Security, 2014, 26, 263-279.	0.8	57
98	Climatic and environmental change in the Karakoram: making sense of community perceptions and adaptation strategies. Regional Environmental Change, 2014, 14, 1151-1162.	2.9	40
99	Migration as an Adaptation Strategy and its Gendered Implications: A Case Study From the Upper Indus Basin. Mountain Research and Development, 2014, 34, 255-265.	1.0	53
100	Violent climate or climate of violence? Concepts and relations with focus on Kenya and Sudan. International Journal of Human Rights, 2014, 18, 369-390.	1.2	47
101	Enhanced chemical weathering as a geoengineering strategy to reduce atmospheric carbon dioxide, supply nutrients, and mitigate ocean acidification. Reviews of Geophysics, 2013, 51, 113-149.	23.0	323
102	Climate and war: No clear-cut schism. Nature, 2013, 498, 171-171.	27.8	4
103	Reducing climate adaptation deficits using revolving fund network schemes in rural areas of Kenya: case study of Loitoktok district. African J of Economic and Sustainable Development, 2013, 2, 347.	0.3	4
104	Possible Implications of Climate Engineering for Peace and Security. Bulletin of the American Meteorological Society, 2013, 94, ES13-ES16.	3.3	3
105	On Foes and FlowsÂ: Vulnerabilities, Adaptive Capacities and Transboundary Relations in the Nile River Basin in Times of Climate Change. Europe En Formation, 2013, n° 365, 99-138.	0.1	9
106	Conditions for Cooperation and Trading in Value-Cost Dynamic Games. , 2013, , 173-203.		0
107	The social dimensions of human security under a changing climate. , 2013, , .		1
108	Climate Change and Violent Conflict. Science, 2012, 336, 869-871.	12.6	249

#	Article	IF	CITATIONS
109	Pathways, Impacts, and Policies on Severe Aerosol Injections into the Atmosphere: 2011 Severe Atmospheric Aerosols Events Conference. Bulletin of the American Meteorological Society, 2012, 93, ES85-ES88.	3.3	0
110	Migration as a contribution to resilience and innovation in climate adaptation: Social networks and co-development in Northwest Africa. Applied Geography, 2012, 33, 119-127.	3.7	224
111	Raiding pastoral livelihoods: motives and effects of violent conflict in north-western Kenya. Pastoralism, 2012, 2, 25.	1.0	79
112	Disentangling the Climate-conflict Nexus: Empirical and Theoretical Assessment of Vulnerabilities and Pathways. Review of European Studies, 2012, 4, .	0.3	64
113	Introduction: Climate Change, Human Security, and Violent Conflict in the Anthropocene. Hexagon Series on Human and Environmental Security and Peace, 2012, , 3-40.	0.2	22
114	Climate change, vulnerability and adaptation in North Africa with focus on Morocco. Agriculture, Ecosystems and Environment, 2012, 156, 12-26.	5. 3	350
115	Scenarios for regional passenger car fleets and their CO2 emissions. Energy Policy, 2012, 41, 66-74.	8.8	38
116	Assessing the predictability of future livelihood strategies of pastoralists in semi-arid Morocco under climate change. Technological Forecasting and Social Change, 2012, 79, 371-382.	11.6	32
117	Theories and Models of Climate-Security Interaction: Framework and Application to a Climate Hot Spot in North Africa. Hexagon Series on Human and Environmental Security and Peace, 2012, , 91-131.	0.2	22
118	Climate Conflicts 2.0? Climate Engineering as a Challenge for International Peace and Security. Security and Peace, 2012, 30, 193-200.	0.1	35
119	Forum on the Spread of War, 1914-1917: A Dialogue between Political Scientists and Historians. Foreign Policy Analysis, 2011, 7, 139-141.	1.0	3
120	The ConflictSpace of Cataclysm: The International System and the Spread of War 1914-1917. Foreign Policy Analysis, 2011, 7, 143-168.	1.0	34
121	The give-or-take-some dilemma: An empirical investigation of a hybrid social dilemma. Organizational Behavior and Human Decision Processes, 2011, 116, 83-95.	2.5	26
122	Climate and conflicts: the security risks of global warming. Regional Environmental Change, 2011, 11, 27-39.	2.9	129
123	Frieden und nachhaltige Entwicklung. , 2011, , 310-323.		5
124	Optimizing the Biofuels Infrastructure: Transportation Networks and Biorefinery Locations in Illinois., 2010,, 151-173.		27
125	Criteria for a Sustainable Bioenergy Infrastructure and Lifecycle. Biotechnology in Agriculture and Forestry, 2010, , 409-447.	0.2	2
126	Bioenergy Economics and Policy: Introduction and Overview. , 2010, , 3-13.		1

#	Article	IF	CITATIONS
127	Conceptualizing ConflictSpace: Toward a Geography of Relational Power and Embeddedness in the Analysis of Interstate Conflict. Annals of the American Association of Geographers, 2009, 99, 827-835.	3.0	56
128	Ecological and economic sustainability in fishery management: A multi-agent model for understanding competition and cooperation. Ecological Economics, 2009, 68, 1061-1073.	5.7	58
129	Methods for Long-Term Environmental Policy Challenges. Global Environmental Politics, 2009, 9, 106-133.	3.0	49
130	Bioenergy and land use: a spatial-agent dynamic model of energy crop production in Illinois. International Journal of Environment and Pollution, 2009, 39, 4.	0.2	53
131	Adaptive management of energy transitions in long-term climate change. Computational Management Science, 2008, 5, 259-286.	1.3	9
132	The complexity of security. Complexity, 2008, 14, 13-21.	1.6	17
133	Climate change and security. Bulletin of the Atomic Scientists, 2008, 64, 19-25.	0.6	17
134	Climate change and security. Bulletin of the Atomic Scientists, 2008, 64, 19-26.	0.6	18
135	Preventing Dangerous Climate Change. , 2008, , 493-526.		6
136	Strengthening International Security through International Law. , 2008, , 185-208.		0
137	From complex conflicts to stable cooperation: Cases in environment and security. Complexity, 2007, 13, 78-91.	1.6	20
138	Agent-Based Computational Modelling: An Introduction. , 2006, , 1-16.		15
139	Viability analysis of management frameworks for fisheries. Environmental Modeling and Assessment, 2006, $11,69$ -79.	2.2	55
140	The Formation of Adaptive Coalitions. , 2006, , 163-178.		9
141	Policy-business interaction in emissions trading between multiple regions., 2006,, 353-367.		4
142	Tools for Stakeholder Assessment and Interaction. , 2006, , 153-185.		13
143	Calculated Security? Mathematical Modelling of Conflict and Cooperation. , 2003, , 390-412.		6
144	Economic Growth, Emission Reduction and the Choice of Energy Technology in a Dynamic-Game Framework., 2002,, 329-336.		3

#	Article	IF	Citations
145	Nuclear space—an indispensable option?. Space Policy, 2001, 17, 261-264.	1.5	3
146	Cooperation in global climate policy: potentialities and limitations. Energy Policy, 2001, 29, 315-326.	8.8	22
147	Stability and Optimal Control of a Multiplayer Dynamic Game. Operations Research Proceedings: Papers of the Annual Meeting = Vortr $\tilde{A}_{\mathbf{g}}$ e Der Jahrestagung / DGOR, 2001, , 14-19.	0.1	1
148	The dynamic interaction between economy and ecology. Mathematics and Computers in Simulation, 2000, 53, 371-380.	4.4	23
149	Control and game-theoretic assessment of climate change: Options for Joint Implementation. Annals of Operations Research, 2000, 97, 203-212.	4.1	16
150	Optimization of an n -Person Game Under Linear Side Conditions. , 2000, , 76-85.		5
151	Modelling Sustainable Use of Natural Resources. , 2000, , 560-565.		2
152	Environmental Conflict and Sustainable Development: A Conflict Model and its Application to Climate and Energy Policy., 1999, , 195-218.		7
153	A Dynamic-Game Model of Cooperation in Energy and Climate Change. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 41-44.	0.4	0
154	Umweltkonflikte und nachhaltige Entwicklung - ein Konfliktmodell und seine Anwendung in der Klima- und Energiepolitik. , 1998, , 209-232.		6
155	Control and Game-Theoretical Treatment of a Cost-Security Model for Disarmament. Mathematical Methods in the Applied Sciences, 1997, 20, 653-666.	2.3	14
156	Modelling the Impact of the Greenhouse Effect on International Stability. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 31-38.	0.4	6
157	The Transition to Chaos in the SCX Model of International Security §. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1995, 28, 209-214.	0.4	2
158	Verification and Risk for an Anti-Satellite Weapons Ban1. Bulletin of Peace Proposals, 1986, 17, 165-173.	0.2	3
159	Agent-Based Modeling of Environmental Conflict and Cooperation. , 0, , .		4