

Arnim Wiek

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1465310/arnim-wiek-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

119
papers

8,986
citations

42
h-index

94
g-index

122
ext. papers

10,457
ext. citations

4.9
avg, IF

6.54
L-index

#	Paper	IF	Citations
119	Transdisciplinary research in sustainability science: practice, principles, and challenges. <i>Sustainability Science</i> , 2012 , 7, 25-43	6.4	1313
118	Key competencies in sustainability: a reference framework for academic program development. <i>Sustainability Science</i> , 2011 , 6, 203-218	6.4	1112
117	Public acceptance of nanotechnology foods and food packaging: the influence of affect and trust. <i>Appetite</i> , 2007 , 49, 459-66	4.5	377
116	Real-world learning opportunities in sustainability: from classroom into the real world. <i>International Journal of Sustainability in Higher Education</i> , 2010 , 11, 308-324	3.9	314
115	The future of sustainability science: a solutions-oriented research agenda. <i>Sustainability Science</i> , 2014 , 9, 239-246	6.4	292
114	From complex systems analysis to transformational change: a comparative appraisal of sustainability science projects. <i>Sustainability Science</i> , 2012 , 7, 5-24	6.4	259
113	Transdisciplinary case studies as a means of sustainability learning. <i>International Journal of Sustainability in Higher Education</i> , 2006 , 7, 226-251	3.9	248
112	Laypeople's and experts' perception of nanotechnology hazards. <i>Risk Analysis</i> , 2007 , 27, 59-69	3.9	222
111	Making local futures tangible—Synthesizing, downscaling, and visualizing climate change scenarios for participatory capacity building. <i>Global Environmental Change</i> , 2009 , 19, 447-463	10.1	217
110	Quality criteria for visions and visioning in sustainability science. <i>Sustainability Science</i> , 2014 , 9, 497-512	6.4	215
109	Future visioning of local climate change: A framework for community engagement and planning with scenarios and visualisation. <i>Futures</i> , 2011 , 43, 400-412	3.6	215
108	Measuring societal effects of transdisciplinary research projects: design and application of an evaluation method. <i>Evaluation and Program Planning</i> , 2007 , 30, 325-38	1.7	176
107	Ten essentials for action-oriented and second order energy transitions, transformations and climate change research. <i>Energy Research and Social Science</i> , 2018 , 40, 54-70	7.7	174
106	Learning through evaluation — A tentative evaluative scheme for sustainability transition experiments. <i>Journal of Cleaner Production</i> , 2017 , 169, 61-76	10.3	149
105	Integrating problem- and project-based learning into sustainability programs. <i>International Journal of Sustainability in Higher Education</i> , 2014 , 15, 431-449	3.9	143
104	Environmental decision making in multi-stakeholder contexts: applicability of life cycle thinking in development planning and implementation. <i>Journal of Cleaner Production</i> , 2009 , 17, 67-76	10.3	135
103	Solution spaces for decision-making — sustainability assessment tool for city-regions. <i>Environmental Impact Assessment Review</i> , 2005 , 25, 589-608	5.3	128

102	Water, People, and Sustainability: A Systems Framework for Analyzing and Assessing Water Governance Regimes. <i>Water Resources Management</i> , 2012 , 26, 3153-3171	3.7	127
101	User engagement in sustainability research. <i>Science and Public Policy</i> , 2011 , 38, 379-390	1.8	126
100	Functions of scenarios in transition processes. <i>Futures</i> , 2006 , 38, 740-766	3.6	123
99	Do We Teach What We Preach? An International Comparison of Problem- and Project-Based Learning Courses in Sustainability. <i>Sustainability</i> , 2013 , 5, 1725-1746	3.6	114
98	Educating Students in Real-world Sustainability Research: Vision and Implementation. <i>Innovative Higher Education</i> , 2011 , 36, 107-124	1	106
97	Toward a methodological scheme for capturing societal effects of participatory sustainability research. <i>Research Evaluation</i> , 2014 , 23, 117-132	1.7	99
96	Sustainability science: bridging the gap between science and society. <i>Sustainability Science</i> , 2012 , 7, 1-4	6.4	92
95	Success factors and strategies for sustainability transitions of small-scale communities [Evidence from a cross-case analysis]. <i>Environmental Innovation and Societal Transitions</i> , 2015 , 17, 22-40	7.6	89
94	The evolution of the IPCC's emissions scenarios. <i>Environmental Science and Policy</i> , 2009 , 12, 103-118	6.2	89
93	Risk assessment of engineered nanomaterials: a survey of industrial approaches. <i>Environmental Science & Technology</i> , 2008 , 42, 640-6	10.3	81
92	Participatory methods of integrated assessment – review. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2010 , 1, 697-717	8.4	76
91	Challenges of Transdisciplinary Research as Interactive Knowledge Generation [Experiences from Transdisciplinary Case Study Research]. <i>Gaia</i> , 2007 , 16, 52-57	1.4	76
90	How much time do we have? Urgency and rhetoric in sustainability science. <i>Sustainability Science</i> , 2012 , 7, 115-120	6.4	75
89	A transdisciplinary approach for formalized integrated planning and decision-making in complex systems. <i>European Journal of Operational Research</i> , 2009 , 197, 360-370	5.6	69
88	Experiments and evidence in sustainability science: A typology. <i>Journal of Cleaner Production</i> , 2017 , 169, 39-47	10.3	68
87	Learning from success – toward evidence-informed sustainability transitions in communities. <i>Environmental Innovation and Societal Transitions</i> , 2014 , 12, 66-88	7.6	65
86	Transition towards improved regional wood flows by integrating material flux analysis and agent analysis: the case of Appenzell Ausserrhoden, Switzerland. <i>Ecological Economics</i> , 2004 , 49, 1-17	5.6	58
85	Moving Forward on Competence in Sustainability Research and Problem Solving. <i>Environment</i> , 2011 , 53, 3-13	2.8	57

84	Sustainable Engineering Science for Resolving Wicked Problems. <i>Journal of Agricultural and Environmental Ethics</i> , 2012 , 25, 467-484	2.3	55
83	Risks and nanotechnology: the public is more concerned than experts and industry. <i>Nature Nanotechnology</i> , 2007 , 2, 67	28.7	52
82	Beyond Interpersonal Competence: Teaching and Learning Professional Skills in Sustainability. <i>Education Sciences</i> , 2017 , 7, 39	2.2	50
81	Learning while transforming: solution-oriented learning for urban sustainability in Phoenix, Arizona. <i>Current Opinion in Environmental Sustainability</i> , 2015 , 16, 29-36	7.2	49
80	Scaling the impact of sustainability initiatives: a typology of amplification processes. <i>Urban Transformations</i> , 2020 , 2,	2.7	48
79	Scenario Studies as a Synthetic and Integrative Research Activity for Long-Term Ecological Research. <i>BioScience</i> , 2012 , 62, 367-376	5.7	47
78	Governance scenarios for addressing water conflicts and climate change impacts. <i>Environmental Science and Policy</i> , 2014 , 42, 181-196	6.2	46
77	Current practice of assessing students' sustainability competencies: a review of tools. <i>Sustainability Science</i> , 2021 , 16, 117-135	6.4	42
76	Systemic scenarios of nanotechnology: Sustainable governance of emerging technologies. <i>Futures</i> , 2009 , 41, 284-300	3.6	41
75	Sustainability appraisal of water governance regimes: the case of Guanacaste, Costa Rica. <i>Environmental Management</i> , 2014 , 54, 205-22	3.1	40
74	Integrated and Participatory Analysis of Water Governance Regimes: The Case of the Costa Rican Dry Tropics. <i>World Development</i> , 2015 , 66, 254-268	5.5	39
73	Transformational Sustainability Research Methodology 2016 , 31-41		39
72	Sustainability science in action: a review of the state of the field through case studies on disaster recovery, bioenergy, and precautionary purchasing. <i>Sustainability Science</i> , 2015 , 10, 17-31	6.4	38
71	Drivers of technology adoption – the case of nanomaterials in building construction. <i>Technological Forecasting and Social Change</i> , 2014 , 87, 232-244	9.5	38
70	The glocal curriculum: A model for transnational collaboration in higher education for sustainable development. <i>Journal of Cleaner Production</i> , 2018 , 171, 368-376	10.3	37
69	Transnational collaboration for sustainability in higher education: Lessons from a systematic review. <i>Journal of Cleaner Production</i> , 2017 , 168, 764-779	10.3	36
68	The Role of Transacademic Interface Managers in Transformational Sustainability Research and Education. <i>Sustainability</i> , 2013 , 5, 4614-4636	3.6	36
67	Technical safety vs. public involvement? A case study on the unrealized project for the disposal of nuclear waste at Wellenberg (Switzerland). <i>Journal of Integrative Environmental Sciences</i> , 2010 , 7, 229-244	2.4	36

66	Qualitative system analysis as a means for sustainable governance of emerging technologies: the case of nanotechnology. <i>Journal of Cleaner Production</i> , 2008 , 16, 988-999	10.3	35
65	Studying, Teaching and Applying Sustainability Visions Using Systems Modeling. <i>Sustainability</i> , 2014 , 6, 4452-4469	3.6	33
64	Sustainability Potential Analysis (SPA) of landfills: a systemic approach: theoretical considerations. <i>Journal of Cleaner Production</i> , 2007 , 15, 1628-1638	10.3	33
63	An experience-based learning framework. <i>International Journal of Sustainability in Higher Education</i> , 2016 , 17, 827-852	3.9	33
62	A Global Classroom for International Sustainability Education. <i>Creative Education</i> , 2013 , 04, 19-28	0.4	31
61	Plausibility indications in future scenarios. <i>International Journal of Foresight and Innovation Policy</i> , 2013 , 9, 133	0.7	30
60	How much sustainability substance is in urban visions? An analysis of visioning projects in urban planning. <i>Cities</i> , 2015 , 48, 86-98	5.6	29
59	A comprehensive sustainability appraisal of water governance in Phoenix, AZ. <i>Journal of Environmental Management</i> , 2013 , 116, 58-71	7.9	29
58	Bridging divides in sustainability science. <i>Sustainability Science</i> , 2017 , 12, 875-879	6.4	29
57	Advancing Sustainability Visioning Practice in Planning: The General Plan Update in Phoenix, Arizona. <i>Planning Practice and Research</i> , 2014 , 29, 543-568	1.2	27
56	Nanotechnology in the City: Sustainability Challenges and Anticipatory Governance. <i>Journal of Urban Technology</i> , 2013 , 20, 45-62	5.9	26
55	Nanotechnology for sustainability: what does nanotechnology offer to address complex sustainability problems?. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	26
54	Sustainable governance of emerging technologies: critical constellations in the agent network of nanotechnology. <i>Technology in Society</i> , 2007 , 29, 388-406	6.3	25
53	Sustainability assessment of water governance alternatives: the case of Guanacaste Costa Rica. <i>Sustainability Science</i> , 2016 , 11, 231-247	6.4	23
52	Sustainability and Anticipatory Governance in Synthetic Biology. <i>International Journal of Social Ecology and Sustainable Development</i> , 2012 , 3, 25-38	0.4	23
51	Utilizing international networks for accelerating research and learning in transformational sustainability science. <i>Sustainability Science</i> , 2016 , 11, 749-762	6.4	23
50	Problem-Based and Project-Based Learning for Sustainable Development 2016 , 349-358		22
49	Linking stakeholder survey, scenario analysis, and simulation modeling to explore the long-term impacts of regional water governance regimes. <i>Environmental Science and Policy</i> , 2015 , 48, 237-249	6.2	22

48	Achievements and Opportunities in Initiating Governance for Urban Sustainability. <i>Environment and Planning C: Urban Analytics and City Science</i> , 2012 , 30, 429-447		22
47	Sustainability challenges and the ambivalent role of the financial sector. <i>Journal of Sustainable Finance and Investment</i> , 2014 , 4, 9-20	3	21
46	Towards an alignment of activities, aspirations and stakeholders for responsible innovation. <i>Journal of Responsible Innovation</i> , 2016 , 3, 209-232	2.1	21
45	Ideal and reality of multi-stakeholder collaboration on sustainability problems: a case study on a large-scale industrial contamination in Phoenix, Arizona. <i>Sustainability Science</i> , 2017 , 12, 123-136	6.4	20
44	Aligning Public Participation to Stakeholders' Sustainability Literacy: A Case Study on Sustainable Urban Development in Phoenix, Arizona. <i>Sustainability</i> , 2015 , 7, 8709-8728	3.6	19
43	Challenges of sustainable recovery processes in tsunami affected communities. <i>Disaster Prevention and Management</i> , 2010 , 19, 423-437	1.5	19
42	Mitigating urban sprawl effects: a collaborative tree and shade intervention in Phoenix, Arizona, USA. <i>Local Environment</i> , 2016 , 21, 414-431	3.3	18
41	Continuing Professional Development in Sustainability Education for K-12 Teachers: Principles, Programme, Applications, Outlook. <i>Journal of Education for Sustainable Development</i> , 2018 , 12, 59-80	1.1	18
40	Operational Eco-efficiency: Comparing Firms' Environmental Investments in Different Domains of Operation. <i>Journal of Industrial Ecology</i> , 2005 , 9, 155-170	7.2	18
39	Research Article: Envisioning the Future of Water Governance: A Survey of Central Arizona Water Decision Makers. <i>Environmental Practice</i> , 2015 , 17, 25-35	0.3	16
38	Transferring Sustainability Solutions across Contexts through City-University Partnerships. <i>Sustainability</i> , 2018 , 10, 2966	3.6	16
37	Resilience and Real-life Laboratories as Key Concepts for Urban Transition Research Resilienz und Reallabore als Schlüsselkonzepte urbaner Transformationsforschung. <i>Zwölf Thesen. Gaia</i> , 2014 , 23, 284-286	1.4	15
36	Broken promises and breaking ground for responsible innovation – Intervention research to transform business-as-usual in nanotechnology innovation. <i>Technology Analysis and Strategic Management</i> , 2016 , 28, 639-650	3.2	14
35	Embracing conflicts for interpersonal competence development in project-based sustainability courses. <i>International Journal of Sustainability in Higher Education</i> , 2020 , 21, 76-96	3.9	14
34	Identifying the potential of governance regimes to aggravate or mitigate local water conflicts in regions threatened by climate change. <i>Local Environment</i> , 2016 , 21, 1387-1408	3.3	13
33	Patterns of nanotechnology innovation and governance within a metropolitan area. <i>Technology in Society</i> , 2013 , 35, 233-247	6.3	13
32	A Process-Oriented Framework of Competencies for Sustainability Entrepreneurship. <i>Sustainability</i> , 2019 , 11, 7250	3.6	13
31	Scenarios of nanotechnology innovation vis-à-vis sustainability challenges. <i>Futures</i> , 2014 , 64, 1-14	3.6	12

30	Building actor-centric transformative capacity through city-university partnerships. <i>Ambio</i> , 2019 , 48, 529-538	6.5	12
29	Citizenship Education through Participatory Budgeting: The Case of Bioscience High School in Phoenix, Arizona. <i>Curriculum and Teaching</i> , 2015 , 30, 5-26	0.4	10
28	Future Shocks and City Resilience: Building Organizational Capacity for Resilience and Sustainability through Game Play and Ways of Thinking. <i>Sustainability</i> , 2017 , 10, 282-292	0.9	9
27	Sustainability Potential Analysis (SPA) of landfills – systemic approach: initial application towards a legal landfill assessment. <i>Journal of Cleaner Production</i> , 2007 , 15, 1654-1661	10.3	9
26	Learning processes for interpersonal competence development in project-based sustainability courses – insights from a comparative international study. <i>International Journal of Sustainability in Higher Education</i> , 2021 , 22, 535-560	3.9	9
25	Competencies for Advancing Transformations Towards Sustainability. <i>Frontiers in Education</i> , 2021 , 6,	2.1	8
24	Structuring and advancing solution-oriented research for sustainability : This article belongs to Ambio’s 50th Anniversary Collection. Theme: Solutions-oriented research. <i>Ambio</i> , 2022 , 51, 31-35	6.5	7
23	Water-independent residential properties as a transformational solution to achieve water sustainability in desert cities?. <i>Journal of Cleaner Production</i> , 2019 , 214, 1038-1049	10.3	7
22	Transferability and scalability of sustainable urban water solutions – A case study from the Colorado River Basin. <i>Resources, Conservation and Recycling</i> , 2020 , 157, 104790	11.9	6
21	Valuation in morally charged situations: The role of deontological stances and intuition for trade-off making. <i>Ecological Economics</i> , 2009 , 68, 2198-2206	5.6	6
20	Sustainability entrepreneurship to address large distances in international food supply. <i>Business Strategy and Development</i> , 2020 , 3, 318-331	2.1	5
19	Nanotechnology Development as if People and Places Matter. <i>NanoEthics</i> , 2017 , 11, 243-257	1	5
18	Saguf: Joint Problem Identification and Structuring in Environmental Research. <i>Gaia</i> , 2007 , 16, 72-74	1.4	5
17	Selecting and coordinating local and regional climate change interventions. <i>Environment and Planning C: Urban Analytics and City Science</i> , 2016 , 34, 1241-1266		4
16	Connecting consumers to producers to foster sustainable consumption in international coffee supply – a marketing intervention study. <i>Journal of Marketing Management</i> , 2021 , 37, 1148-1168	3.2	4
15	Constructing Regional Development Strategies A Case Study Approach for Integrated Planning and Synthesis 2008 , 223-243		4
14	Bridgework ahead! Innovation ecosystems vis-à-vis responsible innovation. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	3
13	Collaboration for transformation. <i>Sustainability Science</i> , 2014 , 9, 113-114	6.4	3

12	Worth the Trouble?! 2017 , 227-256		3
11	Advancing Decision-Visualization Environments Empirically informed Design Recommendations. <i>Futures</i> , 2020 , 123, 102614	3.6	3
10	Food forests: Their services and sustainability. <i>Journal of Agriculture, Food Systems, and Community Development</i> , 1-15	2.4	3
9	Nanotechnology for sustainability: what does nanotechnology offer to address complex sustainability problems? 2012 , 371-390		2
8	Educating Sustainability Change Agents by Design: Appraisals of the Transformative Role of Higher Education 2014 , 196-229		1
7	Growing a sustainable local grain economy in Arizona: A multidimensional analytical case study of an alternative food network. <i>Journal of Agriculture, Food Systems, and Community Development</i> , 1-22	2.4	1
6	Cooperating With Open Cards The Role of Small Intermediary Businesses in Realizing Sustainable International Coffee Supply. <i>Frontiers in Sustainable Food Systems</i> , 2021 , 5,	4.8	1
5	Can B Corp certification anchor sustainability in SMEs?. <i>Corporate Social Responsibility and Environmental Management</i> ,	7	1
4	Implementing sustainable food forests: Extracting success factors through a cross-case comparison. <i>Journal of Agriculture, Food Systems, and Community Development</i> , 1-18	2.4	1
3	Art and Sustainability 2016 , 311-324		0
2	Learning to Collaborate from Diverse Interactions in Project-Based Sustainability Courses. <i>Sustainability</i> , 2021 , 13, 9884	3.6	0
1	What Do Key Competencies in Sustainability Offer and How to Use Them. <i>Sustainable Development Goals Series</i> , 2022 , 27-34	0.5	