

Arnim Wiek

List of Publications by Year in Descending Order

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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	What Do Key Competencies in Sustainability Offer and How to Use Them. <i>Sustainable Development Goals Series</i> , 2022 , 27-34	0.5	
118	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
117	Competencies for Advancing Transformations Towards Sustainability. <i>Frontiers in Education</i> , 2021 , 6,	2.1	8
116	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
115	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
114	Current practice of assessing students' sustainability competencies: a review of tools. <i>Sustainability Science</i> , 2021 , 16, 117-135	6.4	42
113	Learning to Collaborate from Diverse Interactions in Project-Based Sustainability Courses. <i>Sustainability</i> , 2021 , 13, 9884	3.6	0
112	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
111	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
110	Sustainability entrepreneurship to address large distances in international food supply. <i>Business Strategy and Development</i> , 2020 , 3, 318-331	2.1	5
109	Scaling the impact of sustainability initiatives: a typology of amplification processes. <i>Urban Transformations</i> , 2020 , 2,	2.7	48
108	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
107	Advancing Decision-Visualization Environments – Empirically informed Design Recommendations. <i>Futures</i> , 2020 , 123, 102614	3.6	3
106	Building actor-centric transformative capacity through city-university partnerships. <i>Ambio</i> , 2019 , 48, 529-538	6.5	12
105	A Process-Oriented Framework of Competencies for Sustainability Entrepreneurship. <i>Sustainability</i> , 2019 , 11, 7250	3.6	13
104	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
103	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

102	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
101	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
100	Transferring Sustainability Solutions across Contexts through CityUniversity Partnerships. <i>Sustainability</i> , 2018 , 10, 2966	3.6	16
99	Experiments and evidence in sustainability science: A typology. <i>Journal of Cleaner Production</i> , 2017 , 169, 39-47	10.3	68
98	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
97	Nanotechnology Development as if People and Places Matter. <i>NanoEthics</i> , 2017 , 11, 243-257	1	5
96	Bridging divides in sustainability science. <i>Sustainability Science</i> , 2017 , 12, 875-879	6.4	29
95	Bridgework ahead! Innovation ecosystems vis-à-vis responsible innovation. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	3
94	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
93	Learning through evaluation – A tentative evaluative scheme for sustainability transition experiments. <i>Journal of Cleaner Production</i> , 2017 , 169, 61-76	10.3	149
92	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
91	Beyond Interpersonal Competence: Teaching and Learning Professional Skills in Sustainability. <i>Education Sciences</i> , 2017 , 7, 39	2.2	50
90	Worth the Trouble?! 2017 , 227-256		3
89	Sustainability assessment of water governance alternatives: the case of Guanacaste Costa Rica. <i>Sustainability Science</i> , 2016 , 11, 231-247	6.4	23
88	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
87	Transformational Sustainability Research Methodology 2016 , 31-41		39
86	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
85	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

84	Problem-Based and Project-Based Learning for Sustainable Development 2016 , 349-358		22
83	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
82	Art and Sustainability 2016 , 311-324		0
81	Towards an alignment of activities, aspirations and stakeholders for responsible innovation. <i>Journal of Responsible Innovation</i> , 2016 , 3, 209-232	2.1	21
80	An experience-based learning framework. <i>International Journal of Sustainability in Higher Education</i> , 2016 , 17, 827-852	3.9	33
79	Utilizing international networks for accelerating research and learning in transformational sustainability science. <i>Sustainability Science</i> , 2016 , 11, 749-762	6.4	23
78	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
77	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
76	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
75	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
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	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
72	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
71	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
70	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
69	The future of sustainability science: a solutions-oriented research agenda. <i>Sustainability Science</i> , 2014 , 9, 239-246	6.4	292
68	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
67	Toward a methodological scheme for capturing societal effects of participatory sustainability research. <i>Research Evaluation</i> , 2014 , 23, 117-132	1.7	99

66	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
65	Scenarios of nanotechnology innovation vis-à-vis sustainability challenges. <i>Futures</i> , 2014 , 64, 1-14	3.6	12
64	Governance scenarios for addressing water conflicts and climate change impacts. <i>Environmental Science and Policy</i> , 2014 , 42, 181-196	6.2	46
63	Sustainability appraisal of water governance regimes: the case of Guanacaste, Costa Rica. <i>Environmental Management</i> , 2014 , 54, 205-22	3.1	40
62	Learning from success Toward evidence-informed sustainability transitions in communities. <i>Environmental Innovation and Societal Transitions</i> , 2014 , 12, 66-88	7.6	65
61	Studying, Teaching and Applying Sustainability Visions Using Systems Modeling. <i>Sustainability</i> , 2014 , 6, 4452-4469	3.6	33
60	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
59	Sustainability challenges and the ambivalent role of the financial sector. <i>Journal of Sustainable Finance and Investment</i> , 2014 , 4, 9-20	3	21
58	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
57	Quality criteria for visions and visioning in sustainability science. <i>Sustainability Science</i> , 2014 , 9, 497-512	6.4	215
56	Collaboration for transformation. <i>Sustainability Science</i> , 2014 , 9, 113-114	6.4	3
55	Educating Sustainability Change Agents by Design: Appraisals of the Transformative Role of Higher Education 2014 , 196-229		1
54	Nanotechnology in the City: Sustainability Challenges and Anticipatory Governance. <i>Journal of Urban Technology</i> , 2013 , 20, 45-62	5.9	26
53	Patterns of nanotechnology innovation and governance within a metropolitan area. <i>Technology in Society</i> , 2013 , 35, 233-247	6.3	13
52	A comprehensive sustainability appraisal of water governance in Phoenix, AZ. <i>Journal of Environmental Management</i> , 2013 , 116, 58-71	7.9	29
51	Plausibility indications in future scenarios. <i>International Journal of Foresight and Innovation Policy</i> , 2013 , 9, 133	0.7	30
50	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
49	The Role of Transacademic Interface Managers in Transformational Sustainability Research and Education. <i>Sustainability</i> , 2013 , 5, 4614-4636	3.6	36

48	A Global Classroom for International Sustainability Education. <i>Creative Education</i> , 2013 , 04, 19-28	0.4	31
47	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
46	Transdisciplinary research in sustainability science: practice, principles, and challenges. <i>Sustainability Science</i> , 2012 , 7, 25-43	6.4	1313
45	How much time do we have? Urgency and rhetoric in sustainability science. <i>Sustainability Science</i> , 2012 , 7, 115-120	6.4	75
44	Sustainability science: bridging the gap between science and society. <i>Sustainability Science</i> , 2012 , 7, 1-4	6.4	92
43	Sustainable Engineering Science for Resolving Wicked Problems. <i>Journal of Agricultural and Environmental Ethics</i> , 2012 , 25, 467-484	2.3	55
42	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
41	Nanotechnology for sustainability: what does nanotechnology offer to address complex sustainability problems?. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	26
40	Sustainability and Anticipatory Governance in Synthetic Biology. <i>International Journal of Social Ecology and Sustainable Development</i> , 2012 , 3, 25-38	0.4	23
39	Scenario Studies as a Synthetic and Integrative Research Activity for Long-Term Ecological Research. <i>BioScience</i> , 2012 , 62, 367-376	5.7	47
38	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
37	Nanotechnology for sustainability: what does nanotechnology offer to address complex sustainability problems? 2012 , 371-390		2
36	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
35	User engagement in sustainability research. <i>Science and Public Policy</i> , 2011 , 38, 379-390	1.8	126
34	Educating Students in Real-world Sustainability Research: Vision and Implementation. <i>Innovative Higher Education</i> , 2011 , 36, 107-124	1	106
33	Key competencies in sustainability: a reference framework for academic program development. <i>Sustainability Science</i> , 2011 , 6, 203-218	6.4	1112
32	Moving Forward on Competence in Sustainability Research and Problem Solving. <i>Environment</i> , 2011 , 53, 3-13	2.8	57
31	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		36

30	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
29	Challenges of sustainable recovery processes in tsunami affected communities. <i>Disaster Prevention and Management</i> , 2010 , 19, 423-437	1.5	19
28	Participatory methods of integrated assessment – review. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2010 , 1, 697-717	8.4	76
27	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
26	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
25	The evolution of the IPCC's emissions scenarios. <i>Environmental Science and Policy</i> , 2009 , 12, 103-118	6.2	89
24	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
23	Systemic scenarios of nanotechnology: Sustainable governance of emerging technologies. <i>Futures</i> , 2009 , 41, 284-300	3.6	41
22	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
21	Risk assessment of engineered nanomaterials: a survey of industrial approaches. <i>Environmental Science & Technology</i> , 2008 , 42, 640-6	10.3	81
20	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
19	Constructing Regional Development Strategies A Case Study Approach for Integrated Planning and Synthesis 2008 , 223-243		4
18	Challenges of Transdisciplinary Research as Interactive Knowledge Generation – Experiences from Transdisciplinary Case Study Research. <i>Gaia</i> , 2007 , 16, 52-57	1.4	76
17	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
16	Sustainability Potential Analysis (SPA) of landfills – a systemic approach: theoretical considerations. <i>Journal of Cleaner Production</i> , 2007 , 15, 1628-1638	10.3	33
15	Sustainability Potential Analysis (SPA) of landfills – a systemic approach: initial application towards a legal landfill assessment. <i>Journal of Cleaner Production</i> , 2007 , 15, 1654-1661	10.3	9
14	Risks and nanotechnology: the public is more concerned than experts and industry. <i>Nature Nanotechnology</i> , 2007 , 2, 67	28.7	52
13	Laypeople's and experts' perception of nanotechnology hazards. <i>Risk Analysis</i> , 2007 , 27, 59-69	3.9	222

12	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
11	Public acceptance of nanotechnology foods and food packaging: the influence of affect and trust. <i>Appetite</i> , 2007 , 49, 459-66	4.5	377
10	Saguf: Joint Problem Identification and Structuring in Environmental Research. <i>Gaia</i> , 2007 , 16, 72-74	1.4	5
9	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
8	Functions of scenarios in transition processes. <i>Futures</i> , 2006 , 38, 740-766	3.6	123
7	Solution spaces for decision-making a sustainability assessment tool for city-regions. <i>Environmental Impact Assessment Review</i> , 2005 , 25, 589-608	5.3	128
6	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
5	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
4	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
3	Food forests: Their services and sustainability. <i>Journal of Agriculture, Food Systems, and Community Development</i> , 1-15	2.4	3
2	Can B Corp certification anchor sustainability in SMEs?. <i>Corporate Social Responsibility and Environmental Management</i> ,	7	1
1	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