

# Roland Scholz

## 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.

198  
papers

10,465  
citations

55  
h-index

96  
g-index

207  
ext. papers

11,673  
ext. citations

5.2  
avg, IF

6.65  
L-index

#	Paper	IF	Citations
198	Perceived risks and vulnerabilities of employing digitalization and digital data in agriculture □ Socially robust orientations from a transdisciplinary process. <i>Journal of Cleaner Production</i> , <b>2022</b> , 358, 132034	10.3	5
197	Endangering the integrity of science by misusing unvalidated models and untested assumptions as facts: General considerations and the mineral and phosphorus scarcity fallacy. <i>Sustainability Science</i> , <b>2021</b> , 16, 1-18	6.4	1
196	South American Expert Roundtable: Increasing Adaptive Governance Capacity for Coping with Unintended Side Effects of Digital Transformation. <i>Sustainability</i> , <b>2020</b> , 12, 718	3.6	10
195	Transdisciplinarity: science for and with society in light of the university's roles and functions. <i>Sustainability Science</i> , <b>2020</b> , 15, 1033-1049	6.4	17
194	Systemic Risks from Different Perspectives. <i>Risk Analysis</i> , <b>2020</b> ,	3.9	16
193	Organizational vulnerability of digital threats: A first validation of an assessment method. <i>European Journal of Operational Research</i> , <b>2020</b> , 282, 627-643	5.6	17
192	Although there is no Physical Short-Term Scarcity of Phosphorus, its Resource Efficiency Should be Improved. <i>Journal of Industrial Ecology</i> , <b>2019</b> , 23, 313-318	7.2	23
191	Peak gold? Not yet! A response to Calvo et al. (2017). <i>Resources, Conservation and Recycling</i> , <b>2018</b> , 134, 313-314	11.9	4
190	Ways and modes of utilizing Brunswik's Theory of Probabilistic Functionalism: new perspectives for decision and sustainability research?. <i>Environment Systems and Decisions</i> , <b>2018</b> , 38, 99-117	4.1	3
189	Feebates for dealing with trade-offs on fertilizer subsidies: A conceptual framework for environmental management. <i>Journal of Cleaner Production</i> , <b>2018</b> , 189, 898-909	10.3	17
188	Global leadership for social design: theoretical and educational perspectives. <i>Sustainability Science</i> , <b>2018</b> , 13, 447-464	6.4	7
187	What Is the Optimal and Sustainable Lifetime of a Mine?. <i>Sustainability</i> , <b>2018</b> , 10, 480	3.6	4
186	Unintended Side Effects of the Digital Transition: European Scientists' Messages from a Proposition-Based Expert Round Table. <i>Sustainability</i> , <b>2018</b> , 10, 2001	3.6	55
185	Life Cycle Management Approaches to Support Circular Economy <b>2018</b> , 3-9		4
184	Peak minerals: What can we learn from the history of mineral economics and the cases of gold and phosphorus?. <i>Mineral Economics</i> , <b>2017</b> , 30, 73-93	2.2	30
183	Efforts Toward Improving Maize Yields on Smallholder Farms in Uasin Gishu County, Kenya, through Site-specific, Soil-testing-based Fertiliser Recommendations: A Transdisciplinary Approach. <i>East African Agricultural and Forestry Journal</i> , <b>2017</b> , 82, 201-213	0.2	1
182	Managing complexity: from visual perception to sustainable transitions' contributions of Brunswik's Theory of Probabilistic Functionalism. <i>Environment Systems and Decisions</i> , <b>2017</b> , 37, 381	4.1	7

181	Putting Phosphorus First: The Need to Know and Right to Know Call for a Revised Hierarchy of Natural Resources. <i>Resources</i> , <b>2017</b> , 6, 20	3.7	12
180	Digital Threat and Vulnerability Management: The SVIDT Method. <i>Sustainability</i> , <b>2017</b> , 9, 554	3.6	21
179	The Normative Dimension in Transdisciplinarity, Transition Management, and Transformation Sciences: New Roles of Science and Universities in Sustainable Transitioning. <i>Sustainability</i> , <b>2017</b> , 9, 991	3.6	45
178	Unintended Side Effects of Digital Transition: Perspectives of Japanese Experts. <i>Sustainability</i> , <b>2017</b> , 9, 2193	3.6	12
177	Comment on: "Recent revisions of phosphate rock reserves and resources: a critique" by Edixhoven et al. (2014) Clarifying comments and thoughts on key conceptions, conclusions and interpretation to allow for sustainable action. <i>Earth System Dynamics</i> , <b>2016</b> , 7, 103-117	4.8	28
176	Sustainable Digital Environments: What Major Challenges Is Humankind Facing?. <i>Sustainability</i> , <b>2016</b> , 8, 726	3.6	19
175	Case-based Mutual Learning Sessions: knowledge integration and transfer in transdisciplinary processes. <i>Sustainability Science</i> , <b>2015</b> , 10, 563-580	6.4	37
174	The Right to Know the Geopotential of Minerals for Ensuring Food Supply Security: The Case of Phosphorus. <i>Journal of Industrial Ecology</i> , <b>2015</b> , 19, 3-6	7.2	28
173	The real type and ideal type of transdisciplinary processes: part I Theoretical foundations. <i>Sustainability Science</i> , <b>2015</b> , 10, 527-544	6.4	150
172	The real type and ideal type of transdisciplinary processes: part II What constraints and obstacles do we meet in practice?. <i>Sustainability Science</i> , <b>2015</b> , 10, 653-671	6.4	84
171	Transdisciplinary processes of developing, applying, and evaluating a method for improving smallholder farmers' access to (phosphorus) fertilizers: the SMAP method. <i>Sustainability Science</i> , <b>2015</b> , 10, 601-619	6.4	17
170	Understanding Car-Buying Behavior: Psychological Determinants of Energy Efficiency and Practical Implications. <i>International Journal of Sustainable Transportation</i> , <b>2015</b> , 9, 59-72	3.6	22
169	From risk to vulnerability: the role of perceived adaptive capacity for the acceptance of contested infrastructure. <i>Journal of Risk Research</i> , <b>2015</b> , 18, 622-636	4.2	12
168	Losses and use efficiencies along the phosphorus cycle. Part 1: Dilemmata and losses in the mines and other nodes of the supply chain. <i>Resources, Conservation and Recycling</i> , <b>2015</b> , 105, 216-234	11.9	28
167	Losses and use efficiencies along the phosphorus cycle Part 2: Understanding the concept of efficiency. <i>Resources, Conservation and Recycling</i> , <b>2015</b> , 105, 259-274	11.9	22
166	Transdisciplinarity at the crossroads. <i>Sustainability Science</i> , <b>2015</b> , 10, 521-526	6.4	63
165	The recruitment of AMP-activated protein kinase to glycogen is regulated by autophosphorylation. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 11715-28	5.4	32
164	Identifying urban transformation dynamics: Functional use of scenario techniques to integrate knowledge from science and practice. <i>Technological Forecasting and Social Change</i> , <b>2014</b> , 89, 115-130	9.5	25

163	Sustainable Phosphorus Management: A Transdisciplinary Challenge <b>2014</b> , 1-128		14
162	Exploration: What Reserves and Resources? <b>2014</b> , 129-151		3
161	Use: What is Needed to Support Sustainability? <b>2014</b> , 207-246		2
160	Dissipation and Recycling: What Losses, What Dissipation Impacts, and What Recycling Options? <b>2014</b> , 247-274		1
159	Enhancing Validity and Reliability Through Feedback-Driven Exploration: A Study in the Context of Conjoint Analysis. <i>Systemic Practice and Action Research</i> , <b>2013</b> , 26, 217-238	1	6
158	Sustainable use of phosphorus: a finite resource. <i>Science of the Total Environment</i> , <b>2013</b> , 461-462, 799-803	10.2	143
157	Market Actors' Views on Urban Family Living: Informing Urban Planning and Place Marketing in Preparation for Urban Transitions. <i>European Planning Studies</i> , <b>2013</b> , 21, 204-231	3.2	2
156	Science with society in the anthropocene. <i>Ambio</i> , <b>2013</b> , 42, 5-12	6.5	73
155	Approaching a dynamic view on the availability of mineral resources: What we may learn from the case of phosphorus?. <i>Global Environmental Change</i> , <b>2013</b> , 23, 11-27	10.1	183
154	Collaboration between the natural, social and human sciences in Global Change Research. <i>Environmental Science and Policy</i> , <b>2013</b> , 28, 25-35	6.2	86
153	Psychological factors in discounting negative impacts of nuclear waste. <i>Journal of Environmental Psychology</i> , <b>2013</b> , 35, 121-131	6.7	11
152	Governance structures for ecosystem-based adaptation: Using policy-network analysis to identify key organizations for bridging information across scales and policy areas. <i>Environmental Science and Policy</i> , <b>2013</b> , 31, 71-84	6.2	62
151	Constructing Consistent Multiscale Scenarios by Transdisciplinary Processes: the Case of Mountain Regions Facing Global Change. <i>Ecology and Society</i> , <b>2013</b> , 18,	4.1	29
150	Sustainable Land Use in Mountain Regions Under Global Change: Synthesis Across Scales and Disciplines. <i>Ecology and Society</i> , <b>2013</b> , 18,	4.1	26
149	EscE and EscG are cochaperones for the type III needle protein EscF of enteropathogenic <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , <b>2013</b> , 195, 2481-9	3.5	13
148	Negotiation analysis for mechanisms to deliver ecosystem services: The case of soil conservation in Costa Rica. <i>Ecological Economics</i> , <b>2012</b> , 75, 22-31	5.6	16
147	Linking stakeholder visions with resource allocation scenarios and multi-criteria assessment. <i>European Journal of Operational Research</i> , <b>2012</b> , 219, 762-772	5.6	51
146	Feedback loops and types of adaptation in the modelling of land-use decisions in an agent-based simulation. <i>Environmental Modelling and Software</i> , <b>2012</b> , 27-28, 83-96	5.2	52

145	Governance for sustainability: knowledge integration and multi-actor dimensions in risk management. <i>Sustainability Science</i> , <b>2012</b> , 7, 45-55	6.4	54
144	Establishing sustainability science in higher education institutions: towards an integration of academic development, institutionalization, and stakeholder collaborations. <i>Sustainability Science</i> , <b>2012</b> , 7, 101-113	6.4	177
143	Identifying Stakeholders' Views on Sustainable Urban Transition: Desirability, Utility and Probability Assessments of Scenarios. <i>European Planning Studies</i> , <b>2012</b> , 20, 1667-1687	3.2	16
142	Lifestyle Ideas of House Builders and Housing Investors. <i>The Housingory and Society</i> , <b>2012</b> , 29, 288-320	1.2	10
141	Learning from the Transdisciplinary Case Study Approach: A Functional-Dynamic Approach to Collaboration Among Diverse Actors in Applied Energy Settings. <i>Environment &amp; Policy</i> , <b>2012</b> , 227-245	0.5	4
140	Risk, vulnerability, robustness, and resilience from a decision-theoretic perspective. <i>Journal of Risk Research</i> , <b>2012</b> , 15, 313-330	4.2	62
139	Context-specific energy strategies: coupling energy system visions with feasible implementation scenarios. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 9240-8	10.3	48
138	The Process Matters: Fairness in Repository Siting For Nuclear Waste. <i>Social Justice Research</i> , <b>2012</b> , 25, 79-101	1.6	46
137	The crucial role of nomothetic and idiographic conceptions of time: interdisciplinary collaboration in nuclear waste management. <i>Risk Analysis</i> , <b>2012</b> , 32, 138-54	3.9	11
136	Detecting geographic hotspots of human-induced land degradation in Vietnam and characterization of their social-ecological types <b>2012</b> ,		3
135	Patterns of residential heat demand in rural Switzerland. <i>Building Research and Information</i> , <b>2012</b> , 40, 140-153	4.3	11
134	The influence of linear and cyclical temporal representations on risk perception of nuclear waste: an experimental study. <i>Journal of Risk Research</i> , <b>2012</b> , 15, 459-476	4.2	12
133	Collecting close-contact social mixing data with contact diaries: reporting errors and biases. <i>Epidemiology and Infection</i> , <b>2012</b> , 140, 744-52	4.3	53
132	Transdisziplinäre Lehrforschung am Beispiel der Fallstudien der ETH Zürich <b>2012</b> , 277-291		6
131	Classifying railway stations for strategic transport and land use planning: Context matters!. <i>Journal of Transport Geography</i> , <b>2011</b> , 19, 670-679	5.2	82
130	Generic functions of railway stations – a conceptual basis for the development of common system understanding and assessment criteria. <i>Transport Policy</i> , <b>2011</b> , 18, 446-455	5.7	19
129	Psychological determinants of fuel consumption of purchased new cars. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , <b>2011</b> , 14, 229-239	4.5	62
128	The Trade-Off between Phosphorus Recycling and Health Protection during the BSE Crisis in Switzerland. A "Disposal Dilemma". <i>Gaia</i> , <b>2011</b> , 20, 112-121	1.4	17

127	Supporting energy initiatives in small communities by linking visions with energy scenarios and multi-criteria assessment. <i>Energy Policy</i> , <b>2011</b> , 39, 7884-7895	7.2	70
126	Engineered nanomaterials in rivers--exposure scenarios for Switzerland at high spatial and temporal resolution. <i>Environmental Pollution</i> , <b>2011</b> , 159, 3439-45	9.3	136
125	Neural correlates of evaluating hazards of high risk. <i>Brain Research</i> , <b>2011</b> , 1400, 78-86	3.7	12
124	Modeling biogeochemical processes of phosphorus for global food supply. <i>Chemosphere</i> , <b>2011</b> , 84, 798-805	3.5	32
123	Consumption-as-usual instead of ceteris paribus assumption for demand. <i>International Journal of Life Cycle Assessment</i> , <b>2011</b> , 16, 3-11	4.6	45
122	Reconstructing the 2003/2004 H3N2 influenza epidemic in Switzerland with a spatially explicit, individual-based model. <i>BMC Infectious Diseases</i> , <b>2011</b> , 11, 115	4	38
121	The positioning of sustainability within residential property marketing. <i>Urban Studies</i> , <b>2011</b> , 48, 1503-523	3.2	25
120	Environmental Literacy in Science and Society: From Knowledge to Decisions <b>2011</b> ,		170
119	PKA phosphorylates and inactivates AMPKalpha to promote efficient lipolysis. <i>EMBO Journal</i> , <b>2010</b> , 29, 469-81	13	200
118	Toward a sustainability label for food products: an analysis of experts' and consumers' acceptance. <i>Ecology of Food and Nutrition</i> , <b>2010</b> , 49, 30-60	1.9	32
117	Low Risks, High Public Concern? The Cases of Persistent Organic Pollutants (POPs), Heavy Metals, and Nanotech Particles. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2010</b> , 16, 185-198	4.9	14
116	Autoactivation of transforming growth factor beta-activated kinase 1 is a sequential bimolecular process. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 25753-66	5.4	63
115	Regulation of the creatine transporter by AMP-activated protein kinase in kidney epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , <b>2010</b> , 299, F167-77	4.3	52
114	Functional-dynamic public participation in technological decision-making: site selection processes of nuclear waste repositories. <i>Journal of Risk Research</i> , <b>2010</b> , 13, 861-875	4.2	132
113	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> , <b>2010</b> , 7, 229-244	2.4	36
112	Decision-making by farmers regarding ecosystem services: Factors affecting soil conservation efforts in Costa Rica. <i>Land Use Policy</i> , <b>2010</b> , 27, 1132-1142	5.6	61
111	Novel candidate substrates of AMP-activated protein kinase identified in red blood cell lysates. <i>Biochemical and Biophysical Research Communications</i> , <b>2010</b> , 398, 296-301	3.4	10
110	Reflection-in-action, still engaging the professional? Introduction Practising Beyond the Stable State Building Reflectiveness into Education to Develop Creative Practitioners The Transdisciplinarity Laboratory at the ETH Zurich: Fostering Reflection-in-Action in Higher Education Donald Schöb's Legacy to Address the Great Divide Between Theory and Practice The Reflective Practitioner, Revisited: The Notion of Deep Understanding Concluding Notes. <i>Planning Theory and Practice</i> , <b>2010</b> , 11, 597-619	1.8	10

109	Possibilities and limitations of modeling environmental exposure to engineered nanomaterials by probabilistic material flow analysis. <i>Environmental Toxicology and Chemistry</i> , <b>2010</b> , 29, 1036-48	3.8	156
108	Technological change in Swiss thermal waste treatment: an expert-based socio-technical analysis. <i>Waste Management</i> , <b>2010</b> , 30, 1382-94	8.6	8
107	Probabilistic material flow modeling for assessing the environmental exposure to compounds: Methodology and an application to engineered nano-TiO <sub>2</sub> particles. <i>Environmental Modelling and Software</i> , <b>2010</b> , 25, 320-332	5.2	207
106	Future Food Production as Interplay of Natural Resources, Technology, and Human Society. <i>Journal of Industrial Ecology</i> , <b>2010</b> , 14, 874-877	7.2	6
105	How can transdisciplinary research contribute to knowledge democracy? <b>2010</b> , 125-152		25
104	Von einer Wissenschaft für die Gesellschaft zu einer Wissenschaft mit der Gesellschaft. <i>Psychologische Rundschau</i> , <b>2009</b> , 60, 242-244	0.6	16
103	Sustainable property funds: financial stakeholders' views on sustainability criteria and market acceptance. <i>Building Research and Information</i> , <b>2009</b> , 37, 246-263	4.3	12
102	Homo-oligomerization and activation of AMP-activated protein kinase are mediated by the kinase domain alpha-helix. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 27425-37	5.4	22
101	Traffic noise in LCA. <i>International Journal of Life Cycle Assessment</i> , <b>2009</b> , 14, 560-570	4.6	26
100	Traffic noise in LCA. <i>International Journal of Life Cycle Assessment</i> , <b>2009</b> , 14, 676-686	4.6	17
99	Models of epidemics: when contact repetition and clustering should be included. <i>Theoretical Biology and Medical Modelling</i> , <b>2009</b> , 6, 11	2.3	82
98	How much do incentives affect car purchase? Agent-based microsimulation of consumer choice of new cars Part II: Forecasting effects of feebates based on energy-efficiency. <i>Energy Policy</i> , <b>2009</b> , 37, 1083-1094	7.2	64
97	Characteristics of effective battery recycling slogans: A Swiss field study. <i>Resources, Conservation and Recycling</i> , <b>2009</b> , 53, 218-230	11.9	13
96	Expert-based scenarios for strategic waste and resource management planning R&D waste recycling in the Canton of Zurich, Switzerland. <i>Resources, Conservation and Recycling</i> , <b>2009</b> , 53, 592-600	11.9	49
95	Tracking and quantification of <sup>32</sup> P-labeled phosphopeptides in liquid chromatography matrix-assisted laser desorption/ionization mass spectrometry. <i>Analytical Biochemistry</i> , <b>2009</b> , 390, 141-8 <sup>3.1</sup>		16
94	Modeled environmental concentrations of engineered nanomaterials (TiO <sub>2</sub> , ZnO, Ag, CNT, Fullerenes) for different regions. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 9216-22	10.3	1901
93	Problem structuring for transitions: The case of Swiss waste management. <i>Futures</i> , <b>2009</b> , 41, 171-181	3.6	33
92	Identification of the serine 307 of LKB1 as a novel phosphorylation site essential for its nucleocytoplasmic transport and endothelial cell angiogenesis. <i>Molecular and Cellular Biology</i> , <b>2009</b> , 29, 3582-96	4.8	73

91	Improving group processes in transdisciplinary case studies for sustainability learning. <i>International Journal of Sustainability in Higher Education</i> , <b>2009</b> , 10, 33-42	3.9	7
90	Risk assessment of engineered nanomaterials: a survey of industrial approaches. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 640-6	10.3	81
89	Classifying railway stations for sustainable transitions  balancing node and place functions. <i>Journal of Transport Geography</i> , <b>2008</b> , 16, 191-202	5.2	86
88	Assessment of the management of organizations supplying ecosystem services from tropical forests. <i>Global Environmental Change</i> , <b>2008</b> , 18, 746-757	10.1	13
87	Community-based ecotourism in Bhutan: Expert evaluation of stakeholder-based scenarios. <i>International Journal of Sustainable Development and World Ecology</i> , <b>2008</b> , 15, 397-411	3.8	28
86	Phosphorylation of LKB1 at serine 428 by protein kinase C-zeta is required for metformin-enhanced activation of the AMP-activated protein kinase in endothelial cells. <i>Circulation</i> , <b>2008</b> , 117, 952-62	16.7	217
85	Structural properties of AMP-activated protein kinase: dimerization, molecular shape, and changes upon ligand binding. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 18331-43	5.4	69
84	Management Influence on Income Risk in an Apple Production System on Swiss Fruit Farms. <i>International Journal of Fruit Science</i> , <b>2008</b> , 7, 47-70	1.2	5
83	Analytic and Dynamic Approach to Collaboration: A Transdisciplinary Case Study on Sustainable Landscape Development in a Swiss Prealpine Region. <i>Systemic Practice and Action Research</i> , <b>2008</b> , 21, 409-422	1	125
82	Measuring preferences on environmental damages in LCIA. Part 2: choice and allocation questions in panel methods. <i>International Journal of Life Cycle Assessment</i> , <b>2008</b> , 13, 468-476	4.6	7
81	Empirical analysis of the integration of environmental risks into the credit risk management process of European banks. <i>Business Strategy and the Environment</i> , <b>2008</b> , 17, 149-159	8.6	93
80	Incorporating sustainability criteria into credit risk management. <i>Business Strategy and the Environment</i> , <b>2008</b> , 19, n/a-n/a	8.6	51
79	Environmental rebound effects of high-speed transport technologies: a case study of climate change rebound effects of a future underground maglev train system. <i>Journal of Cleaner Production</i> , <b>2008</b> , 16, 1388-1398	10.3	47
78	Feebates promoting energy-efficient cars: Design options to address more consumers and possible counteracting effects. <i>Energy Policy</i> , <b>2008</b> , 36, 1355-1365	7.2	30
77	Higher education as a change agent for sustainability in different cultures and contexts. <i>International Journal of Sustainability in Higher Education</i> , <b>2008</b> , 9, 317-338	3.9	300
76	Environmental Impacts of Conventional and Sustainable Investment Funds Compared Using Input-Output Life-Cycle Assessment. <i>Journal of Industrial Ecology</i> , <b>2008</b> , 11, 41-60	7.2	27
75	Assessment of land use impacts on the natural environment. <i>International Journal of Life Cycle Assessment</i> , <b>2008</b> , 13, 32-48	4.6	55
74	Assessment of land use impacts on the natural environment. <i>International Journal of Life Cycle Assessment</i> , <b>2008</b> , 13, 32-48	4.6	81



73	Discrete event simulation for exploring strategies: an urban water management case. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 915-21	10.3	11
72	Reducing energy consumption in road transport through hybrid vehicles: investigation of rebound effects, and possible effects of tax rebates. <i>Journal of Cleaner Production</i> , <b>2007</b> , 15, 1076-1084	10.3	69
71	Sustainability Potential Analysis (SPA) of landfills – a systemic approach: theoretical considerations. <i>Journal of Cleaner Production</i> , <b>2007</b> , 15, 1628-1638	10.3	33
70	Sustainability Potential Analysis (SPA) of landfills – a systemic approach: initial application towards a legal landfill assessment. <i>Journal of Cleaner Production</i> , <b>2007</b> , 15, 1654-1661	10.3	9
69	Combining experts' risk judgments on technology performance of phytoremediation: self-confidence ratings, averaging procedures, and formative consensus building. <i>Risk Analysis</i> , <b>2007</b> , 27, 225-40	3.9	16
68	Measuring societal effects of transdisciplinary research projects: design and application of an evaluation method. <i>Evaluation and Program Planning</i> , <b>2007</b> , 30, 325-38	1.7	176
67	Game and decision theory in mathematics education: epistemological, cognitive and didactical perspectives. <i>ZDM - International Journal on Mathematics Education</i> , <b>2007</b> , 39, 51-61	2	1
66	Post-consumer waste wood in attributive product LCA. <i>International Journal of Life Cycle Assessment</i> , <b>2007</b> , 12, 160-172	4.6	23
65	Assessment of Land Use Impacts on the Natural Environment. Part 1: An Analytical Framework for Pure Land Occupation and Land Use Change (8 pp). <i>International Journal of Life Cycle Assessment</i> , <b>2007</b> , 12, 16-23	4.6	104
64	Critical success conditions of collaborative methods: a comparative evaluation of transport planning projects. <i>Transportation</i> , <b>2007</b> , 34, 195-212	4	32
63	Managing Transition in Clusters: Area Development Negotiations as a Tool for Sustaining Traditional Industries in a Swiss Prealpine Region. <i>Environment and Planning A</i> , <b>2007</b> , 39, 2518-2539	2.7	33
62	Ecosystem services from tropical forestry projects – The choice of international market actors. <i>Forest Policy and Economics</i> , <b>2007</b> , 9, 496-515	3.6	14
61	Post-consumer waste wood in attributive product LCA. <i>International Journal of Life Cycle Assessment</i> , <b>2007</b> , 12, 160-172	4.6	19
60	Momentum Effects in Discussions on Intellectual Tasks: Comparing Informed and Non-Informed Groups. <i>Swiss Journal of Psychology</i> , <b>2007</b> , 66, 17-31	0.8	4
59	Decision making under uncertainty in case of soil remediation. <i>Journal of Environmental Management</i> , <b>2006</b> , 80, 132-47	7.9	22
58	Decision criteria of European and Latin American market actors for tropical forestry projects providing environmental services. <i>Ecological Economics</i> , <b>2006</b> , 58, 17-36	5.6	24
57	Life cycle management on Swiss fruit farms: Relating environmental and income indicators for apple-growing. <i>Ecological Economics</i> , <b>2006</b> , 58, 561-578	5.6	77
56	Transdisciplinary case studies as a means of sustainability learning. <i>International Journal of Sustainability in Higher Education</i> , <b>2006</b> , 7, 226-251	3.9	248

55	Influence of consumers' socioecological and economic orientations on preferences for wood products with sustainability labels. <i>Forest Policy and Economics</i> , <b>2006</b> , 8, 239-250	3.6	42
54	Functions of scenarios in transition processes. <i>Futures</i> , <b>2006</b> , 38, 740-766	3.6	123
53	Sustainable innovation networks: an empirical study on interorganisational networks in industrial ecology. <i>Progress in Industrial Ecology</i> , <b>2006</b> , 3, 431	0.8	15
52	Learning to research environmental problems from a functional socio-cultural constructivism perspective. <i>International Journal of Sustainability in Higher Education</i> , <b>2006</b> , 7, 252-275	3.9	128
51	Impact factors and regulatory mechanisms for material flow management: Integrating stakeholder and scientific perspectives: The case of bio-waste delivery. <i>Resources, Conservation and Recycling</i> , <b>2006</b> , 47, 101-132	11.9	20
50	Justifications and self-organization as determinants of recycling behavior: The case of used batteries. <i>Resources, Conservation and Recycling</i> , <b>2006</b> , 47, 133-159	11.9	67
49	Material and money flows as a means for industry analysis of recycling schemes: A case study of regional bio-waste management. <i>Resources, Conservation and Recycling</i> , <b>2006</b> , 49, 159-190	11.9	20
48	Measuring Preferences on Environmental Damages in LCIA. Part 1: Cognitive Limits in Panel Surveys (9 pp). <i>International Journal of Life Cycle Assessment</i> , <b>2006</b> , 11, 394-402	4.6	10
47	Management influence on environmental impacts in an apple production system on Swiss fruit farms: Combining life cycle assessment with statistical risk assessment. <i>Agriculture, Ecosystems and Environment</i> , <b>2006</b> , 114, 311-322	5.7	98
46	Transdisciplinary case studies for sustainability learning. <i>International Journal of Sustainability in Higher Education</i> , <b>2006</b> , 7,	3.9	8
45	Operational Eco-efficiency: Comparing Firms' Environmental Investments in Different Domains of Operation. <i>Journal of Industrial Ecology</i> , <b>2005</b> , 9, 155-170	7.2	18
44	Life Cycle Inventories of Transport Services: Background Data for Freight Transport (10 pp). <i>International Journal of Life Cycle Assessment</i> , <b>2005</b> , 10, 85-94	4.6	97
43	Scenario Modelling in Prospective LCA of Transport Systems. Application of Formative Scenario Analysis (11 pp). <i>International Journal of Life Cycle Assessment</i> , <b>2005</b> , 10, 325-335	4.6	60
42	Risk perception of heavy metal soil contamination by high-exposed and low-exposed inhabitants: the role of knowledge and emotional concerns. <i>Risk Analysis</i> , <b>2005</b> , 25, 611-22	3.9	76
41	Principles for sustainability rating of investment funds. <i>Business Strategy and the Environment</i> , <b>2005</b> , 14, 54-70	8.6	68
40	Enhancing environmental awareness: Ecological and economic effects of food consumption. <i>Simulation and Gaming</i> , <b>2005</b> , 36, 364-382	1.9	12
39	Sustainable Future Urban Mobility: Using Area Development Negotiations For Scenario Assessment and Participatory Strategic Planning. <i>Environment and Planning A</i> , <b>2004</b> , 36, 2203-2226	2.7	43
38	Transition towards improved regional wood flows by integrating material flux analysis and agent analysis: the case of Appenzell Ausserrhoden, Switzerland. <i>Ecological Economics</i> , <b>2004</b> , 49, 1-17	5.6	58

37	Uncertainty assessment for management of soil contaminants with sparse data. <i>Environmental Management</i> , <b>2004</b> , 33, 911-25	3.1	14
36	Role of internship in higher education in environmental sciences. <i>Journal of Research in Science Teaching</i> , <b>2004</b> , 41, 24-46	3.4	34
35	Preparation and characterisation of palladium, platinum and manganese di(organo)carbene complexes from quinolinone and quinolinium precursors. <i>Dalton Transactions</i> , <b>2004</b> , 413-20	4.3	45
34	Expert views on sustainability and technology implementation. <i>International Journal of Sustainable Development and World Ecology</i> , <b>2004</b> , 11, 247-261	3.8	60
33	Socio-technical knowledge for robust decision making in radioactive waste governance. <i>Risk, Decision and Policy</i> , <b>2004</b> , 9, 129-159		9
32	Shifting students to experts to complex systems knowledge. <i>International Journal of Sustainability in Higher Education</i> , <b>2003</b> , 4, 151-168	3.9	12
31	Consensus building and knowledge integration methods applied to technology implementation in the Swiss waste incineration industry. <i>International Journal of Environmental Technology and Management</i> , <b>2003</b> , 3, 368	0.6	3
30	Ambiguities in decision-oriented Life Cycle Inventories The Role of mental models. <i>International Journal of Life Cycle Assessment</i> , <b>2002</b> , 7, 330	4.6	27
29	Eine Studie zum individuellen Erleben waldbbezogener Nachhaltigkeit und zu Effekten einer Wissensvermittlung im Rahmen von Befragungen   A study on the individual perception of sustainability and on the effects of communicating knowledge as an integrated part of forest surveys. <i>Schweizerische Zeitschrift Fur Forstwesen</i> , <b>2002</b> , 153, 159-166	0.4	2
28	Embedded Case Study Methods <b>2002</b> ,		307
27	Risk perception of heavy metal soil contamination and attitudes toward decontamination strategies. <i>Risk Analysis</i> , <b>2001</b> , 21, 967-77	3.9	61
26	Learning about transdisciplinarity: Where are we? Where have we been? Where should we go? <b>2001</b> , 236-252		29
25	Erfolgskontrolle zwischen Umweltmanagement und Entscheidung <b>2001</b> , 7-26		
24	The Mutual Learning Sessions <b>2001</b> , 117-129		14
23	Transdisciplinarity in Groundwater Management Towards Mutual Learning of Science and Society. <i>Water, Air, and Soil Pollution</i> , <b>2000</b> , 123, 477-487	2.6	62
22	Food purchases: Impacts from the consumers point of view investigated with a modular LCA. <i>International Journal of Life Cycle Assessment</i> , <b>2000</b> , 5, 134	4.6	135
21	Modelling the valuesphere and the ecosphere: Integrating the decision makers perspectives into LCA. <i>International Journal of Life Cycle Assessment</i> , <b>2000</b> , 5, 161	4.6	58
20	Transdisciplinarity in Groundwater Management Towards Mutual Learning of Science and Society <b>2000</b> , 477-487		7

19	A Regional Perspective on Contaminated Site Remediation Rate of Materials and Pollutants. <i>Environmental Science &amp; Technology</i> , <b>1999</b> , 33, 2305-2310	10.3	6
18	Prozeßanalyse von Gruppenentscheidungen zu Aspekten Biologischer Stadtplanung. <i>Zeitschrift Für Sozialpsychologie</i> , <b>1999</b> , 30, 77-91		3
17	Sozio-psychologische Determinanten nachhaltigen Handelns. <i>Disp</i> , <b>1998</b> , 34, 14-21	0.7	3
16	Umweltforschung zwischen Formalwissenschaft und Verständnis: Muß man den Formalismus beherrschen, um die Formalisten zu schlagen? <b>1998</b> , 309-328		2
15	Environmental Problem-Solving Ability: Profiles in Application Documents of Research Assistants. <i>Journal of Environmental Education</i> , <b>1997</b> , 28, 37-44	2.7	14
14	Biologische Problemlösefähigkeit Eine Herausforderung für die Ausbildung von UmweltnaturwissenschaftlerInnen. <i>Gaia</i> , <b>1997</b> , 6, 73-78	1.4	7
13	Leitfäden der Probenahmeplanung und Datenauswertung bei kontaminierten Böden □ Qualitätskriterien der statistischen Planung von Probenahme und Auswertung bei Belastungsaltslasten <b>1997</b> , 49-70		
12	Is Bioremediation a Viable Option for Contaminated Site Treatment? <b>1997</b> , 107-126		
11	Graphische Modelle bedingter Wahrscheinlichkeiten im empirisch-didaktischen Vergleich. <i>Journal Fur Mathematik-Didaktik</i> , <b>1995</b> , 16, 299-327	0.6	1
10	Induktiv-stochastische Risikoabschätzung mit dem Donator-Akzeptor-Modell am Beispiel der Gesundheitsbelastung durch cadmiumbelastete Weizenackerböden <b>1992</b> , 57-61		2
9	Psychological Research in Probabilistic Understanding <b>1991</b> , 213-254		11
8	Variants of expectancy and subjective probability in P300 research. <i>Behavioral and Brain Sciences</i> , <b>1988</b> , 11, 396	0.9	4
7	Cognitive Strategies in Stochastic Thinking <b>1987</b> ,		52
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