

## PUBLIKATIONSLISTE

### FORSCHUNGSINTERESSEN UND IMPACT

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Energieökonomik und -politik, Umweltökonomik, Ökonomik des Klimawandels, experimentelle Wirtschaftsforschung, Verhaltensökonomik, Simulationsmodelle (insb. rechenbare Gleichgewichtsmodelle)

**Google Scholar:** 11.716 Zitationen, h-Index = 55 (07.04.2025)

**Scopus:** 4.462 Zitationen, h-Index = 39, 129 Papiere (07.04.2025)

Insgesamt mehr als **100 Aufsätze in Zeitschriften des (Social) Sciences Citation Index**, z.B. Canadian Journal of Economics, Ecological Economics, Economica, Economics Letters, Energy Research and Social Sciences, Energy Economics, Environmental and Resource Economics, Environmental Research Letters, European Economic Review, Journal of Environmental Economics and Management, Journal of Economic Dynamics and Control, Journal of the European Economic Association, Journal of Public Economics, Journal of Economic Behavior and Organisation, Land Economics, Nature Climate Change, Nature Energy, Nature Geoscience, npj Climate Action, Proceedings of the National Academy of Sciences (PNAS)

Im **Herausgeberbeirat der Zeitschriften** Climate Policy, Energy and Climate Change, Energy Journal, Perspektiven der Wirtschaftspolitik, Resource und Energy Economics

**Herausgeber von Sonderausgaben** der Zeitschriften Applied Energy, China Economic Review, Climate Change Economics, Economica, Economics of Energy & Environmental Policy, Energy and Buildings, Energy Economics, Energy Policy, Resources, Conservation & Recycling, Resource and Energy Economics

### HERAUSGEBERSCHAFTEN VON ZEITSCHRIFTEN

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seit 2022 Editorial Board "**Frontiers of Engineering Management**", China Academy of Engineering (2022 IF 7,4)

seit 2019 Mitglied im Editorial Board der Zeitschrift „**Energy and Climate Change**“ (2022 IF 1,2)

seit 2019 Mitglied im Herausgeberbeirat der Zeitschrift „**Perspektiven der Wirtschaftspolitik**“ des Vereins für Socialpolitik (VfS) (2022 IF 0,5)

seit 2018 Ko-Editor der Zeitschrift „**Resource and Energy Economics**“ (2022 IF 3.6)

seit 2017 Mitglied im Editorial Board der Zeitschrift „**The Energy Journal**“ (2022 IF: 3.5), Zeitschrift der IAEE - International Association for Energy Economics

seit 2016 Mitglied im Editorial Board der Zeitschrift „**Climate Policy**“ (2022 IF: 7.1)

seit 2013 Ko-Editor der Zeitschrift „**Economics – e-Journal**“ (SCCI)

seit 2013 Mitglied im Herausgeberbeirat der Zeitschrift "**et Energiewirtschaftliche Tagesfragen**"

Gast-Editor von Special Issues der Zeitschriften **Applied Energy** (2021), **Resources, Conservation & Recycling** (2021), **Energy and Buildings** (2021), **Applied Energy** (2020), **China Economic Review** (2020), **Climate Change Economics** (2024), **Resource and Energy Economics** (2019, 2024), **Energy Economics** (2019), **Economics of Energy & Environmental Policy** (2019), **Energy Economics** (2017), **Energy Economics** (2015), **Energy Policy** (2014), **Economica** (2014), **Energy Policy** (2010)

### ZEHN BESONDERS AUSSAGEKRÄFTIGE AUFSÄTZE IN ZEITSCHRIFTEN

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Information nudges, subsidies, and crowding out of attention: Field evidence from energy efficiency investments (mit M. Rodemeier), **Journal of the European Economic Association (JEEA)**, im Erscheinen, 2025.

What if? The Economic Effects for Germany of a Stop of Energy Imports from Russia (mit R. Bachmann, D. Baqae, C. Bayer, M. Kuhn, B. Moll, A. Peichl, K. Pittel, M. Schularick), **Economica**, 91(364), 1157-1200, 2024.

Can self-set goals encourage resource conservation? Field experimental evidence from a smartphone app (mit M. Rodemeier und M. Werthschulte), **European Economic Review** 160, 104612, 2023.

A multi-country meta-analysis on the role of behavioral change in reducing energy consumption and CO<sub>2</sub> emissions in residential buildings (mit T. Khanna, G. Baiocchi, M. Callaghan, F. Creutzig, H. Guias, N. Haddaway, L. Hirth, A. Javaid, N. Koch, S. Laukemper, M. Del Mar Zamora und J. Minx), **Nature Energy**, 6, 925–932, 2021.

On the role of present bias and biased price beliefs in household energy consumption (mit M. Werthschulte), **Journal of Environmental Economics and Management (JEEM)**, 109, 102500, 2021.

- On the Effects of Unilateral Environmental Policy on Offshoring in Multi-Stage Production Processes (mit O. Schenker und S. Koesler), **Canadian Journal of Economics**, 51(4), 1221-1256, 2018.
- The long-term impact of matching and rebate subsidies when public goods are impure: Field experimental evidence from the carbon offsetting market (mit M. Kesternich & D. Römer), **Journal of Public Economics**, 137, 70-78, 2016.
- Inequality, communication, and the avoidance of disastrous climate change in a public goods game (mit A. Tavoni, A. Dannenberg und G. Kallis), **Proceedings of the National Academy of Sciences (PNAS)**, 108(29), 11825-11829, 2011.
- On the Self-interested Use of Equity in International Climate Negotiations (mit A. Lange, C. Vogt und A. Ziegler), **European Economic Review**, 54(3), 359-375, 2010.
- Decomposing Integrated Assessment of Climate Change: Methodology and Sample Application (mit C. Böhringer und T. F. Rutherford), **Journal of Economic Dynamics and Control**, 31(2), 683-702, 2007.

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#### ARTICLES IN JOURNALS OF THE (SOCIAL) SCIENCES CITATION INDEX (SSCI) UNDER REVISION / IN PREPARATION

- The role of co-benefits in motivating climate change mitigation (mit C. Feldhaus, M. Gleue, P. Werner), submitted
- The Hidden Costs of Infrastructure Investments: Changes in Daily Commute Patterns Trigger Stress and Impact Preferences (mit M. Price, L. Razzolini, M. Werthschulte), in preparation
- What Drives Energy Curtailment? COVID-19 as a Natural Experiment to Disentangle the Relative Importance of Attention and Income Shocks (mit M. Price, L. Razzolini, M. Werthschulte), in preparation
- Charitable Giving und Covid (mit M. Price, L. Razzolini, M. Werthschulte), in preparation

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#### AUFSÄTZE IN ZEITSCHRIFTEN DES (SOCIAL) SCIENCES CITATION INDEX

1. Information nudges, subsidies, and crowding out of attention: Field evidence from energy efficiency investments (mit M. Rodemeier), **Journal of the European Economic Association (JEEA)**, angenommen, 2025.
2. Trust in scientists and their role in society: a global assessment (mit V. Cologna, N. Mede, ... A. Löschel, mehr als 100 Autoren einer multi-lab study), **Nature Human Behaviour**, 2025/1, 1-18, 2025.
3. Perceptions of science, science communication, and climate change attitudes in 68 countries—the TISP dataset (mit N. Mede, V. Cologna, ... A. Löschel, mehr als 100 Autoren einer multi-lab study), **Scientific Data**, 12/1, 114, 2025.
4. What if? The Economic Effects for Germany of a Stop of Energy Imports from Russia (mit R. Bachmann, D. Baqaee, C. Bayer, M. Kuhn, B. Moll, A. Peichl, K. Pittel, M. Schularick), **Economica**, 91(364), 1157-1200, 2024.
5. Identity and Voluntary Efforts for Climate Protection (mit M. Gleue, S. Harris and C. Feldhaus), **Journal of Economic Behavior and Organisation (JEBO)**, 221, 436-476, 2024.
6. Economics of cooling and heating (mit C. Wei, W. Zhou, X.-B. Zhang), Editorial, **Climate Change Economics**, 2403001, 2024.
7. The Demand for Voluntary Carbon Dioxide Removal – Experimental Evidence from an Afforestation Project in Germany (mit H. Bartels und M. Kesternich), **Land Economics**, 100(4), 621-638, 2024.
8. The intrinsic value of decision rights: Field evidence from electricity contract choice automation (mit C. Feldhaus, J. Lingens und G. Zunker), **Resource and Energy Economics**, 78, 101440, 2024.
9. Facing the storm: Developing corporate adaptation and resilience action plans amid climate uncertainty (mit K. Hennes und D. Bendig), **npj Climate Action**, 3(1), 37, 1-10, 2024.
10. Municipal building codes and the adoption of solar photovoltaics (mit S. Carattini, B. Figge und Z. Gordon), **Journal of Environmental Economics and Management (JEEM)**, 124 (März), 102937, 2024.
11. Gigatonnes Missing Biomass Energy Consumption in Rural China (mit S. Wu, X. Han, CZ Li, X. Lu, L. Du, X. Zheng, C. Wei), **The Energy Journal**, 45, 149-166, 2024.
12. Coal transitions – Part 2: Phase-out dynamics in global long-term mitigation scenarios (with J. Minx, J. Hilaire, F. Müller-Hansen et al.), **Environmental Research Letters**, 19, 033002, 2024.
13. Can self-set goals encourage resource conservation? Field experimental evidence from a smartphone app (mit M. Rodemeier und M. Werthschulte), **European Economic Review** 160, 104612, 2023.
14. Ölpreiskrise, Gaspreiskrise, Klimakrise, Editorial, **Gaia** 3/23, 2023.
15. Digital technology and energy sustainability: Recent advances, challenges, and opportunities (mit C. Wei, C.-Z. Li, S. Managi und T. Lundgren), Editorial, **Resources, Conservation and Recycling** 190, 106803, 2023.
16. Green transition: create a European energy agency (S. Tagliapietra, G. Zachmann, co-signatory), **Nature**, Correspondence, 25 April 2023
17. Can a Catholic Institution Promote Sustainable Behavior? Field Experimental Evidence on Donations for Climate Protection (mit M. Gleue und C. Feldhaus), **Journal of Behavioral and Experimental Economics**, 98, 101855, 2022.
18. Encouraging consumer activity through automatic switching of the electricity contract - A field experiment (mit C. Feldhaus, J. Lingens, G. Zunker), **Energy Policy**, 164, 112855, 2022.
19. Energy transition toward carbon-neutrality in China: Pathways, implications and uncertainties (with Yong Yang, Hui Wang und Peng Zhou), **Frontiers of Engineering Management** 9(3), 358-372, 2022.
20. Patterns and determinants of carbon emission flows along the Belt and Road from 2005 to 2030 (mit Y. Yang, H. Wang und P Zhou), **Ecological Economics**, 192, 107260, 2022.

21. What motivates smart meter adoption? Evidence from an experimental advertising campaign in Germany (with S. Berger, F. Ehering, C. Feldhaus and A. Wyss), **Energy Research & Social Science**, 85, 102357, 2022.
22. Recent advances in energy demand for residential space heating (mit C. Wei und Y. Huang), **Energy and Buildings**, 261, 111965, 2022.
23. On the role of present bias and biased price beliefs in household energy consumption (mit M. Werthschulte), **Journal of Environmental Economics and Management (JEEM)**, 109, 102500, 2021.
24. A multi-country meta-analysis on the role of behavioral change in reducing energy consumption and CO<sub>2</sub> emissions in residential buildings (mit T. Khanna, G. Baiocchi, M. Callaghan, F. Creutzig, H. Guias, N. Haddaway, L. Hirth, A. Javaid, N. Koch, S. Laukemper, M. Del Mar Zamora und J. Minx), **Nature Energy**, 6, 925–932, 2021.
25. The demand for global and local environmental protection – experimental evidence from climate change mitigation in Beijing (mit B. Sturm, J. Pei, W. Ran, W. Buchholz und Z. Zhao), **Land Economics**, 97, 137-154, 2021.
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28. Coal Transitions-Part 1: A systematic map and review of case study learnings from regional, national, and local coal phase-out experiences (mit F. Diluio, P. Walk, N. Manych, N. Cerutti V. Chipiga, A. Workman, C. Ayas, R. Cui, D. Cui, K. Song, L. Banisch, N. Moretti, M. Callaghan, L. Clarke, F. Creutzig, J. Hilaire, F. Jotzo, M. Kalkuhl, W. Lamb, F. Müller-Hansen, G. Nemet, P.-Y. Oei, B. Sovacool, J. Steckel, S. Thomas, J. Wiseman, J. Minx), **Environmental Research Letters**, 16 (11), 1003003, 2021.
29. Managing momentum in climate negotiations (mit S Carattini), **Environmental Research Letters**, 16 (5), 051001, 2021.
30. Negotiating Weights for Burden Sharing Rules in International Climate Negotiations: An Empirical Analysis (mit M. Kesternich und A. Ziegler), **Environmental Economics and Policy Studies**, 23(4), 309-331, 2021.
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33. Emissions trading systems for global low carbon energy and economic transformation – Editorial (mit X. Zhang, J. Lewis, D. Zhang und J. Yang), **Applied Energy**, DOI 10.1016/j.apenergy.2020.115858, 2020.
34. Recent advances in energy demand research in China (mit C. Wei und S. Managi), **China Economic Review**, 63, 1-6, 2020.
35. Low-carbon Transitions: Economics and Policy– Editorial (mit C. de Miguel, M. Filippini, X. Labandeira und J. Labeaga), **Energy Economics**, 84 (Suppl. 1), 1-3, 2019.
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38. Interdisciplinary synthesis report on the coal phaseout. The Kopernikus project ENavi informs the German coal commission (mit M. Pahle et al.), **GAIA**, 28(1), 61-62, 2019.
39. Facing the Energy Transition - An Introduction (mit M.T. Costa-Campi und E. Trujillo-Baute), **Economics of Energy & Environmental Policy**, 8(2), 1-6, 2019.
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44. The Impact of a Feed-In Tariff on Wind Power Development in Germany (mit C. Hitaj), **Resource and Energy Economics**, 57, 18-35, 2019.
45. Research trends in environmental and resource economics: Insights from four decades of JEEM (mit R. Kube, H. Mertens und T. Requate), **Journal of Environmental Economics and Management (JEEM)**, 92, 433-464, 2018.
46. Reducing CO<sub>2</sub> from Cars in the European Union (mit S. Paltsev, Y.-H. Chen, V. Karplus, P. Kishimoto, J. Reilly, K. von Graevenitz und S. Koesler), **Transportation**, 45(2), 573-595, 2018.

47. China's emissions trading takes steps toward big ambitions (mit F. Jotzo, V. Karplus, M. Grubb, K. Neuhoff, L. Wu, F. Teng), **Nature Climate Change**, 8(4), 265-267, 2018.
48. On the Effects of Unilateral Environmental Policy on Offshoring in Multi-Stage Production Processes (mit O. Schenker und S. Koesler), **Canadian Journal of Economics**, 51(4), 2018.
49. Establishing an expert advisory commission to assist the G20's energy transformation processes (mit P. Großkurth et al.), **Economics**, 12, 1–12, 2018.
50. Define limits for temperature overshoot targets (mit O. Geden), **Nature Geoscience**, 10, 881-882, 2017.
51. The Effect of Globalisation on Energy Footprints: Disentangling the Links of Global Value Chains (mit O. Kaltenecker und F. Pothen), **Energy Economics**, 68(S1), 148-168, 2017.
52. Informing the Transitions towards Low-carbon Societies – Editorial, **Energy Economics** (mit C. de Miguel, M. Filippini und X. Labandeira), 68 (Suppl. 1), 1-3, 2017.
53. Casting Light on Energy Efficiency — Evidence on Consumer Inattention and Imperfect Information (mit M. Rodemeier und R. Kube), **Applied Economics Letters**, 24(21), 1575–1587, 2017.
54. Improving Voluntary Public Good Provision through a Non-Governmental, Endogenous Matching Mechanism: Experimental Evidence (mit C. Reif und D. Rübbelke), **Environmental and Resource Economics**, 67, 559–589, 2017.
55. Revealed preferences for voluntary climate change mitigation when the purely individual perspective is relaxed – evidence from a framed field experiment (mit B. Sturm und R. Uehleke), **Journal of Behavioral and Experimental Economics**, 67, 149-160, 2017.
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57. The long-term impact of matching and rebate subsidies when public goods are impure: Field experimental evidence from the carbon offsetting market (mit M. Kesternich und D. Römer), **Journal of Public Economics**, 137, 70-78, 2016.
58. Pro-Environmental Households and Energy Efficiency in Spain (mit A. Ramos und X. Labandeira), **Environmental and Resource Economics**, 63, 367–393, 2016.
59. Peeling the onion: Analyzing aggregate, national and sectoral energy intensity in the European Union (mit F. Pothen und M. Schymura), **Energy Economics** 52 (Suppl. 1), S63-S75, 2015.
60. Frontiers in the economics of energy efficiency (mit C. de Miguel und X. Labandeira), **Energy Economics** 52 (Suppl. 1), S1-S4, 2015.
61. Extreme weather experiences and climate change beliefs in China: An econometric analysis (mit J. Dai, M. Kesternich und A. Ziegler), **Ecological Economics** 116, 310-321, 2015.
62. Invention in Energy Technologies: Comparing Energy Efficiency and Renewable Energy Inventions at the Firm Level (mit S. Rexhäuser), **Energy Policy** 83, 206-217, 2015.
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64. Energy-saving and emission-abatement potential of Chinese coal-fired power enterprise: a non-parametric analysis (mit C. Wei und B. Liu), **Energy Economics**, 49, 33–43, 2015
65. Emissions trading in China: emerging experiences and international lessons (mit F. Jotzo), **Energy Policy** 75, 3-8, 2014.
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69. The New IPCC Scenarios: What Does the Two-Degree Target Cost? - Die neuen Szenarien des IPCC: Was kostet das Zwei-Grad-Ziel?, **GAIA** 23/2, 73, 2014.
70. Incidence and Extent of Co-Authorship in Environmental and Resource Economics: Evidence from the Journal of Environmental Economics and Management (mit M. Schymura), **Scientometrics**, 99, 631-661, 2014.
71. Did Fukushima Matter? Empirical Evidence of the Demand for Climate Protection in Germany (mit C. Gallier und B. Sturm), **Applied Economics Letters**, 21(12), 846-851, 2014.
72. An empirical analysis of the CO<sub>2</sub> shadow price in Chinese thermal power enterprises (mit C. Wei und B. Liu), **Energy Economics**, 40, 22-31, 2013.
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74. The EU Decarbonisation Roadmap 2050: What Way to Walk? (mit M. Hübler), **Energy Policy**, 55, 190–207, 2013.
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77. Inequality, communication, and the avoidance of disastrous climate change in a public goods game (mit A. Tavoni, A. Dannenberg und G. Kallis), **Proceedings of the National Academy of Sciences (PNAS)**, 108(29), 11825-11829, 2011.
78. Auctioning of CO<sub>2</sub> Emission Allowances in Phase 3 of the EU Emissions Trading Scheme (mit E. Benz und B. Sturm), **Climate Policy**, 10 (2010), 705–718, 2010.
79. Paying the Piper and Calling the Tune? A Meta-Regression Analysis of the Double-Dividend Hypothesis (mit N. Anger und C. Böhringer), **Ecological Economics**, 69(7), 1495-1502, 2010.
80. On the Self-interested Use of Equity in International Climate Negotiations (mit A. Lange, C. Vogt und A. Ziegler), **European Economic Review**, 54(3), 359-375, 2010.
81. Indicators of Energy Security in Industrialised Countries (mit U. Moslener und D. Rübhelke), **Energy Policy**, 38(4), 1665-1671, 2010.
82. Energy Security - Concepts and Indicators - Editorial (mit U. Moslener und D. Rübhelke), **Energy Policy**, 38(4), 1607-1608, 2010.
83. EU Climate Policy Up to 2020: An Economic Impact Assessment (mit C. Böhringer, U. Moslener und T. F. Rutherford), **Energy Economics**, 31(S2), 295-305, 2009.
84. Oil and Unemployment in Germany (mit U. Oberndorfer), **Jahrbücher für Nationalökonomie und Statistik**, 229(2+3), 146-162, 2009.
85. Technological Uncertainty and Cost-Effectiveness of CO<sub>2</sub> Emission Reduction (mit V. Otto), **Energy Economics**, 31(S1), 4-17, 2009.
86. A Symmetric Input-Output Table for EU 27: Latest Progress (mit J. Rueda-Cantuche, J. Beutel, F. Neuwahl und I. Mongelli), **Economic Systems Research**, 21(1), 59-79, 2009.
87. Environmental Taxation and Induced Structural Change in an Open Economy: The Role of Market Structure (mit C. Böhringer und H. Welsch), **German Economic Review**, 9(1), 17-40, 2008.
88. Employment impacts of EU biofuels policy: combining bottom-up technology information and sectoral market simulations in an input-output framework (mit F. Neuwahl, I. Mongelli und L. Delgado), **Ecological Economics**, 68 (1-2), 447-460, 2008.
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90. Extending Working Hours: Why not work 42 Hours rather than 38? – A CGE Analysis for Germany (mit K. Conrad, H. Koschel), **Empirica**, 35, 255-266, 2008.
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92. Energy Biased Technical Change – A CGE Analysis (mit V. Otto und R. Dellink), **Resource and Energy Economics**, 29(2), 137-158, 2007.
93. Decomposing Integrated Assessment of Climate Change: Methodology and Sample Application (mit C. Böhringer und T. F. Rutherford), **Journal of Economic Dynamics and Control**, 31(2), 683-702, 2007.
94. Efficiency Gains from „What“-Flexibility in Climate Policy – An Integrated CGE Assessment (mit C. Böhringer und T. F. Rutherford), **The Energy Journal**, „Multi-Greenhouse Gas Mitigation and Climate Policy“, 405-424, 2006.
95. Computable General Equilibrium Models for Sustainability Impact Assessment: Status Quo and Prospects (mit C. Böhringer), **Ecological Economics** 60(1), 49-61, 2006.
96. Promoting Renewable Energy in Europe – A Hybrid CGE Approach (mit C. Böhringer), **The Energy Journal**, „Hybrid Modelling: New Answers to Old Challenges“, 123 – 138, 2006.
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99. Assessing Emission Allocation in Europe: An Interactive Simulation Approach (mit C. Böhringer, T. Hoffmann, A. Lange und U. Moslener), **The Energy Journal**, 26(4), 1-22, 2005.
100. Market Power and Hot Air in International Emission Trading: The Impacts of U.S. Withdrawal from the Kyoto Protocol (mit C. Böhringer), in: **Applied Economics**, 35(6), 651-664, 2003.
101. Carbon Taxes and Joint Implementation – An applied general equilibrium analysis for Germany and India (mit C. Böhringer und K. Conrad), in: **Environmental and Resource Economics**, 24(1), 49-76, 2003.
102. Assessing the Costs of Compliance: The Kyoto Protocol (with C. Böhringer), in: **European Environment** (heute: **Environmental Policy and Governance**), 12(1), 1-16, 2002.
103. The Economic and Environmental Implications of the US Repudiation of the Kyoto Protocol and the Subsequent Deals in Bonn and Marrakech (mit Z.X. Zhang), in: **Review of World Economics - Weltwirtschaftliches Archiv**, 138(4), 711-746, 2002
104. Technological Change in Economic Models of Environmental Policy: A Survey, in: **Ecological Economics**, 43(2-3), 105-126, 2002.

Schwetzingen, April 2025