# Johannes Emmerling

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7620307/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 45 papers | 6,981 citations | 279798 23 h-index | 233421 45 g-index |
| 48 all docs | 48 docs citations | 48 times ranked | 6982 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The Shared Socioeconomic Pathways and their energy, land use, and greenhouse gas emissions implications: An overview. Global Environmental Change, 2017, 42, 153-168. | 7.8 | 2,966 |
| 2 | Scenarios towards limiting global mean temperature increase below 1.5 Â°C. Nature Climate Change, 2018, 8, 325-332. | 18.8 | 795 |
| 3 | Fossil-fueled development (SSP5): An energy and resource intensive scenario for the 21st century. Global Environmental Change, 2017, 42, 297-315. | 7.8 | 418 |
| 4 | Residual fossil CO2 emissions in 1.5â€“2â€‰Â°C pathways. Nature Climate Change, 2018, 8, 626-633. | 18.8 | 380 |
| 5 | Energy investment needs for fulfilling the Paris Agreement and achieving the Sustainable Development Goals. Nature Energy, 2018, 3, 589-599. | 39.5 | 377 |
| 6 | Shared Socio-Economic Pathways of the Energy Sector â€“ Quantifying the Narratives. Global Environmental Change, 2017, 42, 316-330. | 7.8 | 247 |
| 7 | Taking stock of national climate policies to evaluate implementation of the Paris Agreement. Nature Communications, 2020, 11, 2096. | 12.8 | 241 |
| 8 | A multi-model assessment of food security implications of climate change mitigation. Nature Sustainability, 2019, 2, 386-396. | 23.7 | 152 |
| 9 | Implications of various effort-sharing approaches for national carbon budgets and emission pathways. Climatic Change, 2020, 162, 1805-1822. | 3.6 | 131 |
| 10 | Limited emission reductions from fuel subsidy removal except in energy-exporting regions. Nature, 2018, 554, 229-233. | 27.8 | 125 |
| 11 | Interaction of consumer preferences and climate policies in the global transition to low-carbon vehicles. Nature Energy, 2018, 3, 664-673. | 39.5 | 122 |
| 12 | Exploring the possibility space: taking stock of the diverse capabilities and gaps in integrated assessment models. Environmental Research Letters, 2021, 16, 053006. | 5.2 | 84 |
| 13 | The role of the discount rate for emission pathways and negative emissions. Environmental Research Letters, 2019, 14, 104008. | 5.2 | 80 |
| 14 | Managing Catastrophic Climate Risks Under Model Uncertainty Aversion. Management Science, 2017, 63, 749-765. | 4.1 | 64 |
| 15 | The Stability and Effectiveness of Climate Coalitions. Environmental and Resource Economics, 2015, 62, 811-836. | 3.2 | 51 |
| 16 | Persistent inequality in economically optimal climate policies. Nature Communications, 2021, 12, 3421. | 12.8 | 44 |
| 17 | Meeting well-below 2Â°C target would increase energy sector jobs globally. One Earth, 2021, 4, 1026-1036. | 6.8 | 44 |
| 18 | Energy system developments and investments in the decisive decade for the Paris Agreement goals. Environmental Research Letters, 2021, 16, 074020. | 5.2 | 41 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Net zero-emission pathways reduce the physical and economic risks of climate change. Nature Climate Change, 2021, 11, 1070-1076. | 18.8 | 39 |
| 20 | Early retirement of power plants in climate mitigation scenarios. Environmental Research Letters, 2020, 15, 094064. | 5.2 | 38 |
| 21 | The WITCH 2016 Model - Documentation and Implementation of the Shared Socioeconomic Pathways. SSRN Electronic Journal, 0, , . | 0.4 | 37 |
| 22 | Integrated assessment model diagnostics: key indicators and model evolution. Environmental Research Letters, 2021, 16, 054046. | 5.2 | 36 |
| 23 | Integrated perspective on translating biophysical to economic impacts of climate change. Nature Climate Change, 2021, 11, 563-572. | 18.8 | 34 |
| 24 | Land-based implications of early climate actions without global net-negative emissions. Nature Sustainability, 2021, 4, 1052-1059. | 23.7 | 27 |
| 25 | Reducing stranded assets through early action in the Indian power sector. Environmental Research Letters, 2020, 15, 094091. | 5.2 | 25 |
| 26 | Inequality and the Social Cost of Carbon. Journal of the Association of Environmental and Resource Economists, 2019, 6, 243-273. | 1.5 | 24 |
| 27 | Bearing the Cost of Stored Carbon Leakage. Frontiers in Energy Research, 2018, 6, . | 2.3 | 23 |
| 28 | Climate impacts on nutrition and labor supply disentangled â€“ an analysis for rural areas of Uganda. Environment and Development Economics, 2021, 26, 512-537. | 1.5 | 20 |
| 29 | Representing inequalities in integrated assessment modeling of climate change. One Earth, 2021, 4, 177-180. | 6.8 | 19 |
| 30 | Future Global Air Quality Indices under Different Socioeconomic and Climate Assumptions. Sustainability, 2018, 10, 3645. | 3.2 | 17 |
| 31 | Transport fuel demand responses to fuel price and income projections: Comparison of integrated assessment models. Transportation Research, Part D: Transport and Environment, 2017, 55, 310-321. | 6.8 | 16 |
| 32 | Discounting and the representative median agent. Economics Letters, 2017, 161, 78-81. | 1.9 | 13 |
| 33 | Climate engineering under deep uncertainty. Journal of Economic Dynamics and Control, 2018, 94, 207-224. | 1.6 | 13 |
| 34 | Exploration of the interactions between mitigation and solar radiation management in cooperative and non-cooperative international governance settings. Global Environmental Change, 2018, 53, 244-251. | 7.8 | 12 |
| 35 | Car ownership and hedonic adaptation. Journal of Economic Psychology, 2017, 61, 29-38. | 2.2 | 10 |
| 36 | Climate Engineering and Abatement: A â€˜flatâ€™ Relationship Under Uncertainty. Environmental and Resource Economics, 2018, 69, 395-415. | 3.2 | 10 |

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|---|---|---|---|
| 37 | WELFARE AS EQUITY EQUIVALENTS. Journal of Economic Surveys, 2020, 34, 727-752. | 6.6 | 10 |
| 38 | Climate policy under socio-economic scenario uncertainty. Environmental Modelling and Software, 2016, 79, 334-342. | 4.5 | 9 |
| 39 | Discounting and intragenerational equity. Environment and Development Economics, 2018, 23, 19-36. | 1.5 | 8 |
| 40 | Climate thresholds and heterogeneous regions: Implications for coalition formation. Review of International Organizations, 2021, 16, 293-316. | 3.4 | 6 |
| 41 | Subjective Well-Being at the Macro Levelâ€"EmpiricsÂand Future Scenarios. Social Indicators Research, 2021, 157, 899-928. | 2.7 | 4 |
| 42 | Reply to: Why fossil fuel producer subsidies matter. Nature, 2020, 578, E5-E7. | 27.8 | 3 |
| 43 | SHARING OF CLIMATE RISKS ACROSS WORLD REGIONS. Climate Change Economics, 2018, 09, 1850007. | 5.0 | 2 |
| 44 | International Migration Projections across Skill Levels in the Shared Socioeconomic Pathways. Sustainability, 2022, 14, 4757. | 3.2 | 2 |
| 45 | Welfare As Simple(X) Equity Equivalents. SSRN Electronic Journal, 0, , . | 0.4 | 1 |