# Robert Bailis

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4364339/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 68<br>papers | 3,059<br>citations | 218381<br>26<br>h-index | 168136<br>53<br>g-index |
| 73<br>all docs | 73<br>docs citations | 73<br>times ranked | 3055<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The carbon footprint of traditional woodfuels. Nature Climate Change, 2015, 5, 266-272. | 8.1 | 323 |
| 2 | Mortality and Greenhouse Gas Impacts of Biomass and Petroleum Energy Futures in Africa. Science, 2005, 308, 98-103. | 6.0 | 263 |
| 3 | Low demand for nontraditional cookstove technologies. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10815-10820. | 3.3 | 240 |
| 4 | Monitoring and evaluation of improved biomass cookstove programs for indoor air quality and stove performance: conclusions from the Household Energy and Health Project. Energy for Sustainable Development, 2007, 11, 5-18. | 2.0 | 130 |
| 5 | Performance testing for monitoring improved biomass stove interventions: experiences of the Household Energy and Health Project. Energy for Sustainable Development, 2007, 11, 57-70. | 2.0 | 124 |
| 6 | Greenhouse Gas Emissions and Land Use Change from Jatropha Curcas-Based Jet Fuel in Brazil. Environmental Science & Technology, 2010, 44, 8684-8691. | 4.6 | 124 |
| 7 | Arresting the Killer in the Kitchen: The Promises and Pitfalls of Commercializing Improved Cookstoves. World Development, 2009, 37, 1694-1705. | 2.6 | 120 |
| 8 | Everybody stacks: Lessons from household energy case studies to inform design principles for clean energy transitions. Energy Policy, 2020, 141, 111468. | 4.2 | 109 |
| 9 | Africa Biogas Partnership Program: A review of clean cooking implementation through market development in East Africa. Energy for Sustainable Development, 2018, 46, 23-31. | 2.0 | 88 |
| 10 | Using sales data to assess cooking gas adoption and the impact of Indiaâ€™s Ujjwala programme in rural Karnataka. Nature Energy, 2019, 4, 806-814. | 19.8 | 87 |
| 11 | Environmental Burden of Traditional Bioenergy Use. Annual Review of Environment and Resources, 2015, 40, 121-150. | 5.6 | 83 |
| 12 | Constructing Sustainable Biofuels: Governance of the Emerging Biofuel Economy. Annals of the American Association of Geographers, 2011, 101, 827-838. | 3.0 | 81 |
| 13 | Current debates and future research needs in the clean cookstove sector. Energy for Sustainable Development, 2014, 20, 49-57. | 2.0 | 79 |
| 14 | Innovation in charcoal production: A comparative life-cycle assessment of two kiln technologies in Brazil. Energy for Sustainable Development, 2013, 17, 189-200. | 2.0 | 70 |
| 15 | Greenhouse Gas Implications of Household Energy Technology in Kenya. Environmental Science & Technology, 2003, 37, 2051-2059. | 4.6 | 68 |
| 16 | Comparative analysis of key socio-economic and environmental impacts of smallholder and plantation based jatropha biofuel production systems in Tanzania. Biomass and Bioenergy, 2014, 61, 25-45. | 2.9 | 68 |
| 17 | ENERGY MANAGEMENT AND GLOBAL HEALTH. Annual Review of Environment and Resources, 2004, 29, 383-419. | 5.6 | 56 |
| 18 | Carbon impacts of direct land use change in semiarid woodlands converted to biofuel plantations in India and Brazil. GCB Bioenergy, 2011, 3, 449-460. | 2.5 | 53 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Potential greenhouse gas benefits of transatlantic wood pellet trade. Environmental Research Letters, 2014, 9, 024007. | 2.2 | 51 |
| 20 | Identification of advantageous electricity generation options in sub-Saharan Africa integrating existing resources. Nature Energy, 2016, 1, . | 19.8 | 51 |
| 21 | Modeling climate change mitigation from alternative methods of charcoal production in Kenya. Biomass and Bioenergy, 2009, 33, 1491-1502. | 2.9 | 45 |
| 22 | Getting the numbers right: revisiting woodfuel sustainability in the developing world. Environmental Research Letters, 2017, 12, 115002. | 2.2 | 43 |
| 23 | Quantifying GWI of Wood Pellet Production in the Southern United States and Its Subsequent Utilization for Electricity Production in The Netherlands/Florida. Bioenergy Research, 2011, 4, 180-192. | 2.2 | 39 |
| 24 | Wasteland energy-scapes: A comparative energy flow analysis of Indiaâ€™s biofuel and biomass economies. Ecological Economics, 2014, 108, 8-17. | 2.9 | 34 |
| 25 | The revolution from the kitchen: Social processes of the removal of traditional cookstoves in Himachal Pradesh, India. Energy for Sustainable Development, 2015, 27, 127-136. | 2.0 | 31 |
| 26 | Determinants of Cookstoves and Fuel Choice Among Rural Households in India. EcoHealth, 2019, 16, 21-60. | 0.9 | 31 |
| 27 | A novel bioenergy feedstock in Latin America? Cultivation potential of Acrocomia aculeata under current and future climate conditions. Biomass and Bioenergy, 2016, 91, 186-195. | 2.9 | 29 |
| 28 | In-use emissions from biomass and LPG stoves measured during a large, multi-year cookstove intervention study in rural India. Science of the Total Environment, 2021, 758, 143698. | 3.9 | 29 |
| 29 | Cogenerating electricity from charcoaling: A promising new advanced technology. Energy for Sustainable Development, 2013, 17, 171-176. | 2.0 | 28 |
| 30 | Integrated policy assessment and optimisation over multiple sustainable development goals in Eastern Africa. Environmental Research Letters, 2019, 14, 094001. | 2.2 | 27 |
| 31 | Diffusion of non-traditional cookstoves across western Honduras: A social network analysis. Energy Policy, 2014, 66, 379-389. | 4.2 | 26 |
| 32 | Spatiotemporal modeling of fuelwood environmental impacts: Towards improved accounting for non-renewable biomass. Environmental Modelling and Software, 2016, 82, 241-254. | 1.9 | 23 |
| 33 | Capital cost subsidies through Indiaâ€™s Ujjwala cooking gas programme promote rapid adoption of liquefied petroleum gas but not regular use. Nature Energy, 2020, 5, 125-126. | 19.8 | 22 |
| 34 | Is Use of Both Pulpwood and Logging Residues Instead of Only Logging Residues for Bioenergy Development a Viable Carbon Mitigation Strategy?. Bioenergy Research, 2014, 7, 217-231. | 2.2 | 21 |
| 35 | A systematic review of household energy transition in low and middle income countries. Energy Research and Social Science, 2022, 86, 102463. | 3.0 | 21 |
| 36 | Environmental and social implications of integrated seawater agriculture systems producingSalicornia bigeloviifor biofuel. Biofuels, 2012, 3, 555-574. | 1.4 | 20 |

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| 37 | Impact of payments for carbon sequestered in wood products and avoided carbon emissions on the profitability of NIPF landowners in the US South. Ecological Economics, 2012, 78, 63-69. | 2.9 | 16 |
| 38 | Aligning evidence generation and use across health, development, and environment. Current Opinion in Environmental Sustainability, 2019, 39, 81-93. | 3.1 | 16 |
| 39 | Opening the black pot: A service design-driven approach to understanding the use of cleaner cookstoves in peri-urban Kenya. Energy Research and Social Science, 2020, 70, 101754. | 3.0 | 16 |
| 40 | Energy access and the ultra-poor: Do unconditional social cash transfers close the energy access gap in Malawi?. Energy for Sustainable Development, 2021, 60, 102-112. | 2.0 | 16 |
| 41 | Perceptions of stakeholders about nontraditional cookstoves in Honduras. Environmental Research Letters, 2012, 7, 044036. | 2.2 | 15 |
| 42 | Biofuel sustainability in Latin America and the Caribbean â€“ a review of recent experiences and future prospects. Biofuels, 2014, 5, 469-485. | 1.4 | 15 |
| 43 | International Sustainability Standards and Certification. , 2014, , 27-69. | | 15 |
| 44 | Assessment of the Cambodian National Biodigester Program. Energy for Sustainable Development, 2018, 46, 11-22. | 2.0 | 14 |
| 45 | Assessing the Effects of Stove Use Patterns and Kitchen Chimneys on Indoor Air Quality during a Multiyear Cookstove Randomized Control Trial in Rural India. Environmental Science & Technology, 2022, 56, 8326-8337. | 4.6 | 14 |
| 46 | Forest, farms and fuelwood: Measuring changes in fuelwood collection and consumption behavior from a clean cooking intervention. Energy for Sustainable Development, 2021, 61, 196-205. | 2.0 | 13 |
| 47 | Enhancing clean cooking options in peri-urban Kenya: a pilot study of advanced gasifier stove adoption. Environmental Research Letters, 2020, 15, 084017. | 2.2 | 13 |
| 48 | Climate change mitigation and sustainable development through carbon sequestration: experiences in Latin America. Energy for Sustainable Development, 2006, 10, 74-87. | 2.0 | 12 |
| 49 | Environmental Implications of Jatropha Biofuel from a Silvi-Pastoral Production System in Central-West Brazil. Environmental Science & Technology, 2013, 47, 8042-8050. | 4.6 | 12 |
| 50 | Potential environmental benefits from woodfuel transitions in Haiti: Geospatial scenarios to 2027. Environmental Research Letters, 2018, 13, 035007. | 2.2 | 12 |
| 51 | The risk of survey bias in self-reports vs. actual consumption of clean cooking fuels. World Development Perspectives, 2020, 18, 100199. | 0.8 | 12 |
| 52 | Wood in Household Energy Use. , 2004, , 509-526. | | 10 |
| 53 | A Global Synthesis of Jatropha Cultivation: Insights into Land Use Change and Management Practices. Environmental Science & Technology, 2016, 50, 8993-9002. | 4.6 | 10 |
| 54 | A comparative analysis of bioeconomy visions and pathways based on stakeholder dialogues in Colombia, Rwanda, Sweden, and Thailand. Journal of Environmental Policy and Planning, 2022, 24, 680-700. | 1.5 | 10 |

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| 55 | Biofuels investments in tropical forestâ€rich countries: implications for responsible finance. Sustainability Accounting, Management and Policy Journal, 2012, 3, 134-160. | 2.4 | 9 |
| 56 | Insights into Jatropha Projects Worldwide - Key Facts & Figures from a Global Survey. SSRN Electronic Journal, 2013, , . | 0.4 | 9 |
| 57 | Discussion of forest definitions and tree cover estimates for Haiti. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5202-5203. | 3.3 | 8 |
| 58 | Global Warming Impact of E85 Fuel Derived from Forest Biomass: A Case Study from Southern USA. Bioenergy Research, 2012, 5, 470-480. | 2.2 | 7 |
| 59 | Ecological Sustainability of Woodfuel as an Energy Source in Rural Communities. , 2012, , 299-325. | | 5 |
| 60 | Foreign policy â€˜trilemmasâ€™: understanding China's stance on international cap-and-trade. Climate Policy, 2015, 15, 494-516. | 2.6 | 5 |
| 61 | Low-cost interventions to reduce emissions and fuel consumption in open wood fires in rural communities. Energy for Sustainable Development, 2020, 58, 119-128. | 2.0 | 5 |
| 62 | The Role of Technology Management in the Dynamics of Greenhouse Gas Emissions From Household Energy Use in Sub-Saharan Africa. Journal of Environment and Development, 2005, 14, 149-174. | 1.6 | 4 |
| 63 | SDG 7: Affordable and Clean Energy â€“ How Access to Affordable and Clean Energy Affects Forests and Forest-Based Livelihoods. , 2019, , 206-236. | | 3 |
| 64 | Low-cost interventions to reduce emissions and fuel consumption in open wood fires in rural communities: Evidence from field surveys. Energy for Sustainable Development, 2021, 63, 145-152. | 2.0 | 3 |
| 65 | Brazil: Biodiesel. , 2014, , 103-126. | | 3 |
| 66 | A landscapeâ€based approach for assessing spatiotemporal impacts of forest biomassâ€based electricity generation on the age structure of surrounding forest plantations in the <scp>S</scp>outhern <scp>U</scp>nited <scp>S</scp>tates. GCB Bioenergy, 2012, 4, 342-357. | 2.5 | 2 |
| 67 | Energy and Poverty: The Perspective of Poor Countries. , 2011, , . | | 2 |
| 68 | Voluntary Emissions Reduction. , 0, , 241-273. | | 0 |