Paul E Brockway

List of Publications by Year
in descending order

35 papers	1,903 citations	393982 19 h-index	377514 34 g-index
37 all docs	37 docs citations	37 times ranked	1616 citing authors

#	Article	IF	Citations
1	A systematic review of the evidence on decoupling of GDP, resource use and GHG emissions, part II: synthesizing the insights. Environmental Research Letters, 2020, 15, 065003.	2.2	357
2	Estimation of global final-stage energy-return-on-investment for fossil fuels with comparison to renewable energy sources. Nature Energy, 2019, 4, 612-621.	19.8	340
3	Measuring carbon performance in a UK University through a consumption-based carbon footprint: De Montfort University case study. Journal of Cleaner Production, 2013, 56, 185-198.	4.6	159
4	Energy efficiency and economy-wide rebound effects: A review of the evidence and its implications. Renewable and Sustainable Energy Reviews, 2021, 141, 110781.	8.2	149
5	Urgent need for post-growth climate mitigation scenarios. Nature Energy, 2021, 6, 766-768.	19.8	97
6	A systematic review of the evidence on decoupling of GDP, resource use and GHG emissions, part I: bibliometric and conceptual mapping. Environmental Research Letters, 2020, 15, 063002.	2.2	93
7	Modelling net-zero emissions energy systems requires a change in approach. Climate Policy, 2021, 21, 222-231.	2.6	85
8	Energy Rebound as a Potential Threat to a Low-Carbon Future: Findings from a New Exergy-Based National-Level Rebound Approach. Energies, 2017, 10, 51.	1.6	69
9	Energy consumption-based accounts: A comparison of results using different energy extension vectors. Applied Energy, 2017, 190, 464-473.	5.1	67
10	Divergence of Trends in US and UK Aggregate Exergy Efficiencies 1960â€“2010. Environmental Science & Technology, 2014, 48, 9874-9881.	4.6	58
11	Understanding Chinaâ€™s past and future energy demand: An exergy efficiency and decomposition analysis. Applied Energy, 2015, 155, 892-903.	5.1	54
12	Untangling the drivers of energy reduction in the UK productive sectors: Efficiency or offshoring?. Applied Energy, 2018, 223, 124-133.	5.1	48
13	The Need for Robust, Consistent Methods in Societal Exergy Accounting. Ecological Economics, 2017, 141, 11-21.	2.9	41
14	Meeting 2030 primary energy and economic growth goals: Mission impossible?. Applied Energy, 2019, 251, 112697.	5.1	40
15	Ecological network analysis on intra-city metabolism of functional urban areas in England and Wales. Resources, Conservation and Recycling, 2018, 138, 172-182.	5.3	35
16	Developing an Input-Output Based Method to Estimate a National-Level Energy Return on Investment (EROI). Energies, 2017, 10, 534.	1.6	29
17	A physical supply-use table framework for energy analysis on the energy conversion chain. Applied Energy, 2018, 226, 1134-1162.	5.1	28
18	Thermodynamic Efficiency Gains and their Role as a Key â€˜Engine of Economic Growthâ€™. Energies, 2019, 12, 110.	1.6	24

#	Article	IF	Citations
19	An ecological-thermodynamic approach to urban metabolism: Measuring resource utilization with open system network effectiveness analysis. Applied Energy, 2019, 254, 113618.	5.1	21
20	From Theory to Econometrics to Energy Policy: Cautionary Tales for Policymaking Using Aggregate Production Functions. Energies, 2017, 10, 203.	1.6	19
21	Energy-Extended CES Aggregate Production: Current Aspects of Their Specification and Econometric Estimation. Energies, 2017, 10, 202.	1.6	18
22	Decomposing the drivers of residential space cooling energy consumption in EU-28 countries using a panel data approach. Energy and Built Environment, 2020, 1, 432-442.	2.9	13
23	Mapping resource effectiveness across urban systems. Npj Urban Sustainability, 2021, 1, .	3.7	9
24	A Net Energy Analysis of the Global Agriculture, Aquaculture, Fishing and Forestry System. Biophysical Economics and Sustainability, 2020, 5, 1.	0.7	8
25	Moving from final to useful stage in energy-economy analysis: A critical assessment. Applied Energy, 2021, 283, 116194.	5.1	8
26	On the use of random graphs in analysing resource utilization in urban systems. Royal Society Open Science, 2020, 7, 200087.	1.1	7
27	Developing a Multi-Regional Physical Supply Use Table framework to improve the accuracy and reliability of energy analysis. Applied Energy, 2022, 310, 118413.	5.1	7
28	Outsourcing or efficiency? Investigating the decline in final energy consumption in the UK productive sectors. Energy Procedia, 2017, 142, 2409-2414.	1.8	5
29	The Energy and Exergy of Light with Application to Societal Exergy Analysis. Energies, 2020, 13, 5489.	1.6	4
30	The Contributions of Muscle and Machine Work to Land and Labor Productivity in World Agriculture Since 1800. Biophysical Economics and Sustainability, 2022, 7, 1.	0.7	4
31	Quantifying the Environmental Impacts of Cookstove Transitions: A Societal Exergy Analysis Based Model of Energy Consumption and Forest Stocks in Honduras. Energies, 2020, 13, 3206.	1.6	3
32	A Comprehensive Societal Energy Return on Investment Study of Portugal Reveals a Low but Stable Value. Energies, 2022, 15, 3549.	1.6	2
33	Integrating an ICT carbon calculator tool into procurement processes at De Montfort University: lessons learned. Carbon Management, 2013, 4, 143-157.	1.2	1
34	Socio-macroeconomic impacts of implementing different post-Brexit UK energy reduction targets to 2030. Energy Policy, 2021, 158, 112556.	4.2	1
35	Resource Effectiveness in and Across Urban Systems. , 2021, , 1-10.		0