Paul L Lucas

List of Publications by Year
in descending order

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43	4,514	147786 31	265191 42
papers	citations	h-index	g-index

43	43	43	5871
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global drivers of future river flood risk. Nature Climate Change, 2016, 6, 381-385.	18.8	661
2	Stabilizing greenhouse gas concentrations at low levels: an assessment of reduction strategies and costs. Climatic Change, 2007, 81, 119-159.	3.6	658
3	Energy, land-use and greenhouse gas emissions trajectories under a green growth paradigm. Global Environmental Change, 2017, 42, 237-250.	7.8	523
4	Scenarios in Global Environmental Assessments: Key characteristics and lessons for future use. Global Environmental Change, 2012, 22, 884-895.	7.8	225
5	From Planetary Boundaries to national fair shares of the global safe operating space â€" How can the scales be bridged?. Global Environmental Change, 2016, 40, 60-72.	7.8	213
6	Downscaling drivers of global environmental change: Enabling use of global SRES scenarios at the national and grid levels. Global Environmental Change, 2007, 17, 114-130.	7.8	201
7	Afforestation for climate change mitigation: Potentials, risks and tradeâ€offs. Global Change Biology, 2020, 26, 1576-1591.	9.5	162
8	Pathways to achieve a set of ambitious global sustainability objectives by 2050: Explorations using the IMAGE integrated assessment model. Technological Forecasting and Social Change, 2015, 98, 303-323.	11.6	141
9	Long-term reduction potential of non-CO2 greenhouse gases. Environmental Science and Policy, 2007, 10, 85-103.	4.9	130
10	Model projections for household energy use in India. Energy Policy, 2011, 39, 7747-7761.	8.8	120
11	Enhancing the relevance of Shared Socioeconomic Pathways for climate change impacts, adaptation and vulnerability research. Climatic Change, 2014, 122, 481-494.	3.6	111
12	A new method for analysing socio-ecological patterns of vulnerability. Regional Environmental Change, 2016, 16, 229-243.	2.9	94
13	The FAIR model: A tool to analyse environmental and costs implications of regimes of future commitments. Environmental Modeling and Assessment, 2005, 10, 115-134.	2.2	77
14	Understanding the contribution of non-carbon dioxide gases in deep mitigation scenarios. Global Environmental Change, 2015, 33, 142-153.	7.8	75
15	The role of decentralized systems in providing universal electricity access in Sub-Saharan Africa â€" A model-based approach. Energy, 2017, 139, 184-195.	8.8	74
16	Abatement costs of post-Kyoto climate regimes. Energy Policy, 2005, 33, 2138-2151.	8.8	73
17	Towards an Integrated Framework for SDGs: Ultimate and Enabling Goals for the Case of Energy. Sustainability, 2013, 5, 4124-4151.	3.2	69
18	Regional abatement action and costs under allocation schemes for emission allowances for achieving low CO2-equivalent concentrations. Climatic Change, 2008, 90, 243-268.	3.6	67

#	Article	IF	Citations
19	Allocating planetary boundaries to large economies: Distributional consequences of alternative perspectives on distributive fairness. Global Environmental Change, 2020, 60, 102017.	7.8	64
20	Differentiating Future Commitments on the Basis of Countriesâ€™ Relative Historical Responsibility for Climate Change: Uncertainties in the â€˜Brazilian Proposalâ€™ in the Context of a Policy Implementation. Climatic Change, 2005, 71, 277-301.	3.6	59
21	THE DISTRIBUTION OF THE MAJOR ECONOMIES' EFFORT IN THE DURBAN PLATFORM SCENARIOS. Climate Change Economics, 2013, 04, 1340009.	5.0	59
22	Trade-offs and synergies between universal electricity access and climate change mitigation in Sub-Saharan Africa. Energy Policy, 2018, 114, 355-366.	8.8	56
23	Defining a sustainable development target space for 2030 and 2050. One Earth, 2022, 5, 142-156.	6.8	54
24	Multi-Stage: A Rule-Based Evolution of Future Commitments under the Climate Change Convention. International Environmental Agreements: Politics, Law and Economics, 2006, 6, 1-28.	2.9	49
25	Typology of coastal urban vulnerability under rapid urbanization. PLoS ONE, 2020, 15, e0220936.	2.5	47
26	Long-term marginal abatement cost curves of non-CO2 greenhouse gases. Environmental Science and Policy, 2019, 99, 136-149.	4.9	40
27	Implications of the international reduction pledges on long-term energy system changes and costs in China and India. Energy Policy, 2013, 63, 1032-1041.	8.8	39
28	Multi-model comparison of the economic and energy implications for China and India in an international climate regime. Mitigation and Adaptation Strategies for Global Change, 2015, 20, 1335-1359.	2.1	39
29	Scenario analysis for promoting clean cooking in Sub-Saharan Africa: Costs and benefits. Energy, 2020, 192, 116641.	8.8	38
30	Future impacts of environmental factors on achieving the SDG target on child mortalityâ€”A synergistic assessment. Global Environmental Change, 2019, 57, 101925.	7.8	34
31	Integrating Biodiversity and Ecosystem Services in the Post-2015 Development Agenda: Goal Structure, Target Areas and Means of Implementation. Sustainability, 2014, 6, 193-216.	3.2	33
32	Future energy system challenges for Africa: Insights from Integrated Assessment Models. Energy Policy, 2015, 86, 705-717.	8.8	31
33	Horses for courses: analytical tools to explore planetary boundaries. Earth System Dynamics, 2016, 7, 267-279.	7.1	31
34	Advancing a toolkit of diverse futures approaches for global environmental assessments. Ecosystems and People, 2021, 17, 191-204.	3.2	29
35	Comparison of different climate regimes: the impact of broadening participation. Energy Policy, 2009, 37, 5351-5362.	8.8	27
36	The impact of technology availability on the timing and costs of emission reductions for achieving long-term climate targets. Climatic Change, 2014, 123, 559-569.	3.6	26

#	Article	IF	Citations
37	Impact of fragmented emission reduction regimes on the energy market and on CO2 emissions related to land use: A case study with China and the European Union as first movers. Technological Forecasting and Social Change, 2015, 90, 220-229.	11.6	18
38	A MULTI-MODEL ANALYSIS OF POST-2020 MITIGATION EFFORTS OF FIVE MAJOR ECONOMIES. Climate Change Economics, 2013, 04, 1340012.	5.0	17
39	How food secure are the green, rocky and middle roads: food security effects in different world development paths. Environmental Research Communications, 2020, 2, 031002.	2.3	17
40	Armed conflict distribution in global drylands through the lens of a typology of socio-ecological vulnerability. Regional Environmental Change, 2014, 14, 1419.	2.9	15
41	Effectively empowering: A different look at bolstering the effectiveness of global environmental assessments. Environmental Science and Policy, 2021, 123, 210-219.	4.9	12
42	Data for long-term marginal abatement cost curves of non-CO2 greenhouse gases. Data in Brief, 2019, 25, 104334.	1.0	6
43	A staged sectoral approach for climate mitigation. , 0, , 183-207.		0