

Christopher L Weber

List of Publications by Year in descending order

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44
papers

6,857
citations

304368

22
h-index

360668

35
g-index

44
all docs

44
docs citations

44
times ranked

5307
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth in emission transfers via international trade from 1990 to 2008. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8903-8908.	3.3	1,164
2	Food-Miles and the Relative Climate Impacts of Food Choices in the United States. Environmental Science & Technology, 2008, 42, 3508-3513.	4.6	830
3	The drivers of Chinese CO ₂ emissions from 1980 to 2030. Global Environmental Change, 2008, 18, 626-634.	3.6	523
4	The contribution of Chinese exports to climate change. Energy Policy, 2008, 36, 3572-3577.	4.2	505
5	China's Growing CO ₂ Emissions A Race between Increasing Consumption and Efficiency Gains. Environmental Science & Technology, 2007, 41, 5939-5944.	4.6	489
6	Quantifying the global and distributional aspects of American household carbon footprint. Ecological Economics, 2008, 66, 379-391.	2.9	430
7	The Importance of Carbon Footprint Estimation Boundaries. Environmental Science & Technology, 2008, 42, 5839-5842.	4.6	394
8	Journey to world top emitter: An analysis of the driving forces of China's recent CO ₂ emissions surge. Geophysical Research Letters, 2009, 36, .	1.5	317
9	A "Carbonizing Dragon" China's Fast Growing CO ₂ Emissions Revisited. Environmental Science & Technology, 2011, 45, 9144-9153.	4.6	295
10	Embodied Environmental Emissions in U.S. International Trade, 1997~2004. Environmental Science & Technology, 2007, 41, 4875-4881.	4.6	229
11	Life Cycle Carbon Footprint of Shale Gas: Review of Evidence and Implications. Environmental Science & Technology, 2012, 46, 5688-5695.	4.6	213
12	Categorization of Scope 3 Emissions for Streamlined Enterprise Carbon Footprinting. Environmental Science & Technology, 2009, 43, 8509-8515.	4.6	193
13	THE ROLE OF INPUT-OUTPUT ANALYSIS FOR THE SCREENING OF CORPORATE CARBON FOOTPRINTS. Economic Systems Research, 2009, 21, 217-242.	1.2	152
14	Life Cycle Assessment and Grid Electricity: What Do We Know and What Can We Know?. Environmental Science & Technology, 2010, 44, 1895-1901.	4.6	146
15	Hybrid Framework for Managing Uncertainty in Life Cycle Inventories. Journal of Industrial Ecology, 2009, 13, 928-944.	2.8	143
16	Measuring structural change and energy use: Decomposition of the US economy from 1997 to 2002. Energy Policy, 2009, 37, 1561-1570.	4.2	126
17	A research roadmap for quantifying non-state and subnational climate mitigation action. Nature Climate Change, 2019, 9, 11-17.	8.1	121
18	Natural climate solutions are not enough. Science, 2019, 363, 933-934.	6.0	104

#	ARTICLE	IF	CITATIONS
19	Climate change policy and international trade: Policy considerations in the US. Energy Policy, 2009, 37, 432-440.	4.2	102
20	The Energy and Climate Change Implications of Different Music Delivery Methods. Journal of Industrial Ecology, 2010, 14, 754-769.	2.8	96
21	Inventory Development and Input-Output Model of U.S. Land Use: Relating Land in Production to Consumption. Environmental Science & Technology, 2011, 45, 4937-4943.	4.6	37
22	Life cycle comparison of traditional retail and e-commerce logistics for electronic products: A case study of buy.com. , 2009, , .		28
23	Mitigation scenarios must cater to new users. Nature Climate Change, 2018, 8, 845-848.	8.1	27
24	Effects of China's Economic Growth. Science, 2010, 328, 824-825.	6.0	22
25	Costs of Automobile Air Emissions in U.S. Metropolitan Areas. Transportation Research Record, 2011, 2233, 120-127.	1.0	21
26	A Stochastic Regression Approach to Analyzing Thermodynamic Uncertainty in Chemical Speciation Modeling. Environmental Science & Technology, 2006, 40, 3872-3878.	4.6	19
27	Uncertainty and Variability in Product Carbon Footprinting. Journal of Industrial Ecology, 2012, 16, 203-211.	2.8	19
28	Carbon footprinting upstream supply chain for electronics manufacturing and computer services. , 2009, , .		18
29	International flows of embodied CO ₂ with an application to aluminium and the EU ETS. Climate Policy, 2011, 11, 1226-1245.	2.6	18
30	Primary and Embedded Steel Imports to the U.S.: Implications for the Design of Border Tax Adjustments. Environmental Science & Technology, 2010, 44, 6563-6569.	4.6	14
31	Modal freight transport required for production of US goods and services. Transportation Research, Part E: Logistics and Transportation Review, 2011, 47, 474-489.	3.7	12
32	Planning for Change: Conservation-Related Impacts of Climate Overshoot. BioScience, 2020, 70, 115-118.	2.2	9
33	Carbon Emissions Embodied in Importation, Transport and Retail of Electronics in the U.S.: A Growing Global Issue. Electronics and the Environment, IEEE International Symposium on, 2007, , .	0.0	7
34	Energy consumption in the production of high-brightness light-emitting diodes. , 2009, , .		7
35	Scrap the carbon tariff. Nature Climate Change, 2010, 1, 10-11.	8.1	7
36	Design issues in a mandatory greenhouse gas emissions registry for the United States. Energy Policy, 2009, 37, 3463-3466.	4.2	6

#	ARTICLE	IF	CITATIONS
37	Response to Comment on "Food-Miles and the Relative Climate Impacts of Food Choices in the United States" Environmental Science & Technology, 2009, 43, 3984-3984.	4.6	5
38	Comment on "Comparative Assessment of Life Cycle Assessment Methods Used for Personal Computers" Environmental Science & Technology, 2011, 45, 7096-7097.	4.6	4
39	Uncertainty and variability in accounting for grid electricity in life cycle assessment. , 2009, , .		3
40	Data and methodological needs to assess uncertainty in the carbon footprint of ICT products. , 2010, , .		2
41	International trade and climate. Nature Geoscience, 2008, 1, 484-484.	5.4	0
42	Modal freight transport required for US goods and services production. , 2010, , .		0
43	Energy and environmental impacts of consumer purchases: A case study on grocery purchases. , 2010, , .		0
44	Environmental assessment of information technology products using a triage approach. , 2011, , .		0