Faye Duchin

List of Publications by Year
in descending order

23 papers	660 citations	567281 15 h-index	642732 23 g-index
23 all docs	23 docs citations	23 times ranked	499 citing authors

#	Article	IF	Citations
1	A world trade model based on comparative advantage withmregions,ngoods, andkfactors. Economic Systems Research, 2005, 17, 141-162.	2.7	103
2	SECTORS MAY USE MULTIPLE TECHNOLOGIES SIMULTANEOUSLY: THE RECTANGULAR CHOICE-OF-TECHNOLOGY MODEL WITH BINDING FACTOR CONSTRAINTS. Economic Systems Research, 2011, 23, 281-302.	2.7	71
3	Feeding Nine Billion People Sustainably: Conserving Land and Water through Shifting Diets and Changes in Technologies. Environmental Science & Technology, 2014, 48, 4444-4451.	10.0	64
4	POLICIES AND TECHNOLOGIES FOR A SUSTAINABLE USE OF WATER IN MEXICO: A SCENARIO ANALYSIS. Economic Systems Research, 2011, 23, 387-407.	2.7	45
5	World trade as the adjustment mechanism of agriculture to climate change. Climatic Change, 2007, 82, 393-409.	3.6	44
6	DO WATER-RICH REGIONS HAVE A COMPARATIVE ADVANTAGE IN FOOD PRODUCTION? IMPROVING THE REPRESENTATION OF WATER FOR AGRICULTURE IN ECONOMIC MODELS. Economic Systems Research, 2012, 24, 371-389.	2.7	38
7	A world trade model with bilateral trade based on comparative advantage. Economic Systems Research, 2006, 18, 281-297.	2.7	35
8	REGIONAL DEVELOPMENT IN CHINA: INTERREGIONAL TRANSPORTATION INFRASTRUCTURE AND REGIONAL COMPARATIVE ADVANTAGE. Economic Systems Research, 2009, 21, 3-22.	2.7	35
9	Shifting Trade Patterns as a Means of Reducing Global Carbon Dioxide Emissions. Journal of Industrial Ecology, 2009, 13, 38-57.	5.5	34
10	The rectangular sector-by-technology model: not every economy produces every product and some products may rely on several technologies simultaneously. Journal of Economic Structures, 2012, 1, .	1.6	29
11	ECONOMIC IMPLICATIONS OF POLICY RESTRICTIONS ON WATER WITHDRAWALS FROM SURFACE AND UNDERGROUND SOURCES. Economic Systems Research, 2015, 27, 154-171.	2.7	26
12	Combining Multiregional Inputâ€Output Analysis with a World Trade Model for Evaluating Scenarios for Sustainable Use of Global Resources, Part I: Conceptual Framework. Journal of Industrial Ecology, 2016, 20, 775-782.	5.5	26
13	Prospects for Cellulosic Biofuel Production in the Northeastern United States: A Scenario Analysis. Journal of Industrial Ecology, 2016, 20, 120-131.	5.5	24
14	The global economic costs of the need to treat polluted water. Economic Systems Research, 2016, 28, 295-314.	2.7	23
15	Combining Multiregional Inputâ€Output Analysis with a World Trade Model for Evaluating Scenarios for Sustainable Use of Global Resources, Part II: Implementation. Journal of Industrial Ecology, 2016, 20, 783-791.	5.5	16
16	Land Use Change and Global Adaptations to Climate Change. Sustainability, 2013, 5, 5442-5459.	3.2	11
17	A Global Caseâ€Study Framework Applied to Water Supply and Sanitation. Journal of Industrial Ecology, 2016, 20, 387-395.	5.5	9
18	The recovery of products and materials for reuse: The global context of resource management. Resources, Conservation and Recycling, 2019, 145, 422-447.	10.8	8

#	Article	IF	Citations
19	Choosing among alternative technologies: conditions for assuring the feasibility of an inputâ€“output database or scenario. Economic Systems Research, 2017, 29, 541-556.	2.7	7
20	Resources for Sustainable Economic Development: A Framework for Evaluating Infrastructure System Alternatives. Sustainability, 2017, 9, 2105.	3.2	6
21	Climate optimism gets a road map Drawdown: The Most Comprehensive Plan Ever Proposed to Reverse Global Warming Paul Hawken, Ed. Penguin Books, 2017. 256 pp.. Science, 2017, 356, 811-811.	12.6	3
22	Comment on â€œExplaining virtual water trade: A spatial-temporal analysis of the comparative advantage of land, labor and water in China,â€•published by Zhao etÂal. [Water Research (2019) 153: 304-314]. Water Research, 2019, 158, 157-158.	11.3	2
23	Applying a Coupled Hydrologic-Economic Modeling Framework: Evaluating Alternative Options for Reducing Impacts for Downstream Locations in Response to Upstream Development. Sustainability, 2022, 14, 6630.	3.2	1