Zhan-Ming Chen

List of Publications by Year
in descending order

63	3,884	117571	143943
papers	citations	34 h-index	57 g-index

64	64	64	2426
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Virtual water accounting for the globalized world economy: National water footprint and international virtual water trade. Ecological Indicators, 2013, 28, 142-149.	2.6	262
2	Characteristics of residential energy consumption in China: Findings from a household survey. Energy Policy, 2014, 75, 126-135.	4.2	235
3	Carbon emissions and resources use by Chinese economy 2007: A 135-sector inventory and inputâ€“output embodiment. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 3647-3732.	1.7	198
4	Research on Chinaâ€™s cap-and-trade carbon emission trading scheme: Overview and outlook. Applied Energy, 2016, 178, 902-917.	5.1	191
5	An overview of energy consumption of the globalized world economy. Energy Policy, 2011, 39, 5920-5928.	4.2	181
6	Embodied carbon dioxide emission at supra-national scale: A coalition analysis for G7, BRIC, and the rest of the world. Energy Policy, 2011, 39, 2899-2909.	4.2	175
7	Three-scale inputâ€“output modeling for urban economy: Carbon emission by Beijing 2007. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 2493-2506.	1.7	156
8	Ecological inputâ€“output modeling for embodied resources and emissions in Chinese economy 2005. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 1942-1965.	1.7	150
9	Growth in embodied energy transfers via Chinaâ€™s domestic trade: Evidence from multi-regional inputâ€“output analysis. Applied Energy, 2016, 184, 1093-1105.	5.1	131
10	Demand-driven energy requirement of world economy 2007: A multi-region inputâ€“output network simulation. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 1757-1774.	1.7	129
11	The impact of domestic trade on China's regional energy uses: A multi-regional inputâ€“output modeling. Energy Policy, 2013, 63, 1169-1181.	4.2	128
12	Low-carbon building assessment and multi-scale inputâ€“output analysis. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 583-595.	1.7	125
13	Greenhouse gas emissions and natural resources use by the world economy: Ecological inputâ€“output modeling. Ecological Modelling, 2011, 222, 2362-2376.	1.2	112
14	Emergy as embodied energy based assessment for local sustainability of a constructed wetland in Beijing. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 622-635.	1.7	104
15	Natural gas overview for world economy: From primary supply to final demand via global supply chains. Energy Policy, 2019, 124, 215-225.	4.2	96
16	A vertical subsurface-flow constructed wetland in Beijing. Communications in Nonlinear Science and Numerical Simulation, 2008, 13, 1986-1997.	1.7	93
17	Inventory and inputâ€“output analysis of CO2 emissions by fossil fuel consumption in Beijing 2007. Ecological Informatics, 2012, 12, 93-100.	2.3	88
18	Consumption-based greenhouse gas emissions accounting with capital stock change highlights dynamics of fast-developing countries. Nature Communications, 2018, 9, 3581.	5.8	87

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19	Systems accounting for energy consumption and carbon emission by building. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 1859-1873.	1.7	79
20	Net ecosystem services value of wetland: Environmental economic account. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 2837-2843.	1.7	71
21	Embodied greenhouse gas emission by Macao. Energy Policy, 2013, 59, 819-833.	4.2	67
22	Embodied energy assessment for ecological wastewater treatment by a constructed wetland. Ecological Modelling, 2013, 252, 63-71.	1.2	65
23	Environmental externality of coal use in China: Welfare effect and tax regulation. Applied Energy, 2015, 156, 16-31.	5.1	63
24	Population ageing and deaths attributable to ambient PM2Â·5 pollution: a global analysis of economic cost. Lancet Planetary Health, The, 2021, 5, e356-e367.	5.1	63
25	Energy security, efficiency and carbon emission of Chinese industry. Energy Policy, 2011, 39, 3520-3528.	4.2	62
26	A 25-year bibliometric study of implantable energy harvesters and self-powered implantable medical electronics researches. Materials Today Energy, 2020, 16, 100386.	2.5	58
27	Global network of embodied water flow by systems input-output simulation. Frontiers of Earth Science, 2012, 6, 331-344.	0.9	57
28	How technological innovations affect urban eco-efficiency in China: A prefecture-level panel data analysis. Journal of Cleaner Production, 2020, 270, 122479.	4.6	49
29	Embodied cultivated land use in China 1987â€“2007. Ecological Indicators, 2014, 47, 198-209.	2.6	47
30	China's non-CO2 greenhouse gas emissions: Inventory and inputâ€“output analysis. Ecological Informatics, 2015, 26, 101-110.	2.3	43
31	How does coal price drive up inflation? Reexamining the relationship between coal price and general price level in China. Energy Economics, 2016, 57, 265-276.	5.6	42
32	Cosmic exergy based ecological assessment for a wetland in Beijing. Ecological Modelling, 2011, 222, 322-329.	1.2	39
33	The impact of resource tax reform on China's coal industry. Energy Economics, 2017, 61, 52-61.	5.6	36
34	A benchmark city-level carbon dioxide emission inventory for China in 2005. Applied Energy, 2019, 233-234, 659-673.	5.1	36
35	Emergy-based analysis of Beijingâ€“Tianjinâ€“Tangshan region in China. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 4319-4331.	1.7	33
36	Inflationary effect of coal price change on the Chinese economy. Applied Energy, 2014, 114, 301-309.	5.1	31

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37	Driving factors of carbon dioxide emissions in China: an empirical study using 2006-2010 provincial data. Frontiers of Earth Science, 2017, 11, 156-161.	0.9	31
38	Price elasticity, block tariffs, and equity of natural gas demand in China: Investigation based on household-level survey data. Journal of Cleaner Production, 2018, 179, 441-449.	4.6	26
39	Environmental emissions by Chinese industry: Exergy-based unifying assessment. Energy Policy, 2012, 45, 490-501.	4.2	24
40	Energy-dominated carbon metabolism: A case study of Hubei province, China. Ecological Informatics, 2015, 26, 85-92.	2.3	23
41	Inflationary and distributional effects of fossil energy price fluctuation on the Chinese economy. Energy, 2019, 187, 115974.	4.5	23
42	Embodied Carbon Dioxide Emissions of the World Economy: A Systems Input-Output Simulation for 2004. Procedia Environmental Sciences, 2010, 2, 1827-1840.	1.3	22
43	Carbon emission trading system of China: a linked market vs. separated markets. Frontiers of Earth Science, 2013, 7, 465-479.	0.9	22
44	The impact of China's electricity price deregulation on coal and power industries: Two-stage game modeling. Energy Policy, 2019, 134, 110957.	4.2	18
45	Fuzzy adaptive unscented Kalman filter control of epileptiform spikes in a class of neural mass models. Nonlinear Dynamics, 2014, 76, 1291-1299.	2.7	17
46	Embodied energy in service industry in global cities: A study of six Asian cities. Land Use Policy, 2020, 91, 104264.	2.5	16
47	Ecological Economic Evaluation Based on Emergy as Embodied Cosmic Exergy: A Historical Study for the Beijing Urban Ecosystem 1978â€“2004. Entropy, 2010, 12, 1696-1720.	1.1	12
48	Embodied energy consumption and carbon emissions evaluation for urban industrial structure optimization. Frontiers of Earth Science, 2014, 8, 32-43.	0.9	12
49	Economic cost of Chinaâ€™s oil import: Welfare estimation for 2001â€“2015. Resources, Conservation and Recycling, 2018, 132, 158-167.	5.3	12
50	China and the Global Uranium Market: Prospects for Peaceful Coexistence. Scientific World Journal, The, 2013, 2013, 1-11.	0.8	10
51	Inventory and Distribution of Energy Subsidies of China. Energy Journal, 2017, 38, 47-62.	0.9	8
52	The effects of cross-section dimension n in panel co-integration test. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 1019-1027.	1.7	6
53	Impact of fossil fuel subsidy reform in China: estimations of household welfare effects based on 2007â€“2012 data. Economic and Political Studies, 2016, 4, 299-318.	0.9	6
54	On parameter-dependent Lyapunov functions for robust fault detection filter design with application in power systems. Journal of the Franklin Institute, 2012, 349, 2389-2405.	1.9	4

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55	The co-movement and asymmetry between energy and grain prices: Evidence from the crude oil and corn markets. Energies, 2019, 12, 1373.	1.6	3
56	Wide-Area Robust Decentralized Coordinated Control of HVDC Power System Based on Polytopic System Theory. Mathematical Problems in Engineering, 2015, 2015, 1-9.	0.6	2
57	A Survey Analysis of Energy Use and Conservation Opportunities in Chinese Households. SpringerBriefs in Environment, Security, Development and Peace, 2016, , 5-22.	0.1	2
58	Wide-area multi-FACTS coordinated control (MFCC) based on polytopic linear differential inclusion for multiple-load cases. , 2014, , .		1
59	A polytopic system theory approach to wide-area decentralized coordinated control of HVDC system. , 2015, , .		1
60	Subnormal solutions of second order nonhomogeneous linear periodic differential equations. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 881-885.	1.7	0
61	Robustness and fault detection in power systems based on parameter-dependent Lyapunov functions. , 2013, , .		0
62	Energy Economics and Policy. Scientific World Journal, The, 2013, 2013, 1-2.	0.8	0
63	Energy Embodiments of the GCC and NEA Countries. , 2016, , 245-262.		0