

# Bin Chen

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

240  
papers

8,185  
citations

49  
h-index

80  
g-index

252  
ext. papers

9,717  
ext. citations

7.2  
avg, IF

7.03  
L-index

#	Paper	IF	Citations
240	Achieving carbon neutrality enables China to attain its industrial water-use target. <i>One Earth</i> , <b>2022</b> ,	8.1	4
239	Energy-based sustainability analysis of bioenergy production from marginal and degraded lands of India. <i>Ecological Modelling</i> , <b>2022</b> , 466, 109903	3	1
238	Tracking the carbon footprint of China's coal-fired power system. <i>Resources, Conservation and Recycling</i> , <b>2022</b> , 177, 105964	11.9	6
237	Multi-objective optimization of energy-water nexus from spatial resource reallocation perspective in China. <i>Applied Energy</i> , <b>2022</b> , 314, 118919	10.7	0
236	Modified linkage analysis for water-land nexus driven by interregional trade. <i>Journal of Cleaner Production</i> , <b>2022</b> , 353, 131547	10.3	1
235	The 2021 China report of the Lancet Countdown on health and climate change: seizing the window of opportunity. <i>Lancet Public Health</i> , <b>2021</b> , 6, e932-e947	22.4	2
234	Tracking embodied water uses and GHG emissions along Chinese supply chains. <i>Journal of Cleaner Production</i> , <b>2021</b> , 288, 125590	10.3	3
233	Drivers of energy-related PM2.5 emissions in the Jing-Jin-Ji region between 2002 and 2015. <i>Applied Energy</i> , <b>2021</b> , 288, 116668	10.7	6
232	The 2020 China report of the Lancet Countdown on health and climate change. <i>Lancet Public Health</i> , <b>2021</b> , 6, e64-e81	22.4	27
231	Assessing urban low-carbon performance from a metabolic perspective. <i>Science China Earth Sciences</i> , <b>2021</b> , 64, 1721	4.6	0
230	Identifying critical sectors and supply chain paths for virtual water and energy-related water trade in China. <i>Applied Energy</i> , <b>2021</b> , 299, 117294	10.7	5
229	Interregional spillover effect of PM2.5 emissions on Northeast China through the national supply chain. <i>Applied Energy</i> , <b>2021</b> , 303, 117670	10.7	1
228	Unraveling energy-water nexus paths in urban agglomeration: A case study of Beijing-Tianjin-Hebei. <i>Applied Energy</i> , <b>2021</b> , 304, 117924	10.7	3
227	Globalized energy-water nexus through international trade: The dominant role of non-energy commodities for worldwide energy-related water use. <i>Science of the Total Environment</i> , <b>2020</b> , 736, 139582	10.2	7
226	Land-water-energy nexus in agricultural management for greenhouse gas mitigation. <i>Applied Energy</i> , <b>2020</b> , 265, 114796	10.7	24
225	Average propagation length analysis for carbon emissions in China. <i>Applied Energy</i> , <b>2020</b> , 275, 115386	10.7	6
224	Physical and virtual carbon metabolism of global cities. <i>Nature Communications</i> , <b>2020</b> , 11, 182	17.4	35

223	Water-energy scarcity nexus risk in the national trade system based on multiregional input-output and network environ analyses. <i>Applied Energy</i> , <b>2020</b> , 268, 114974	10.7	27
222	Global Urban Carbon Networks: Linking Inventory to Modeling. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 5790-5801	10.3	8
221	Multi-regional input-output and linkage analysis for water-PM2.5 nexus. <i>Applied Energy</i> , <b>2020</b> , 268, 115018.7	10.7	6
220	Three-scale input-output analysis for energy and water consumption in urban agglomeration. <i>Journal of Cleaner Production</i> , <b>2020</b> , 268, 122148	10.3	13
219	An embodied energy perspective of urban economy: A three-scale analysis for Beijing 2002-2012 with headquarter effect. <i>Science of the Total Environment</i> , <b>2020</b> , 732, 139097	10.2	9
218	Driving factors of water-energy nexus in China. <i>Applied Energy</i> , <b>2020</b> , 257, 113984	10.7	18
217	Global water use associated with energy supply, demand and international trade of China. <i>Applied Energy</i> , <b>2020</b> , 257, 113992	10.7	25
216	The evolution of China's provincial shared producer and consumer responsibilities for energy-related mercury emissions. <i>Journal of Cleaner Production</i> , <b>2020</b> , 245, 118678	10.3	7
215	Identifying hotspots of sectors and supply chain paths for electricity conservation in China. <i>Journal of Cleaner Production</i> , <b>2020</b> , 251, 119653	10.3	16
214	Embodied energy in service industry in global cities: A study of six Asian cities. <i>Land Use Policy</i> , <b>2020</b> , 91, 104264	5.6	11
213	Urban carbon footprints across scale: Important considerations for choosing system boundaries. <i>Applied Energy</i> , <b>2020</b> , 259, 114201	10.7	19
212	Near-real-time monitoring of global CO emissions reveals the effects of the COVID-19 pandemic. <i>Nature Communications</i> , <b>2020</b> , 11, 5172	17.4	204
211	Urban land-carbon nexus based on ecological network analysis. <i>Applied Energy</i> , <b>2020</b> , 276, 115465	10.7	11
210	Spillover risk analysis of virtual water trade based on multi-regional input-output model -A case study. <i>Journal of Environmental Management</i> , <b>2020</b> , 275, 111242	7.9	14
209	Water-energy nexus based on modified multiregional input-output model within China. <i>Energy Procedia</i> , <b>2019</b> , 158, 4092-4098	2.3	5
208	Optimization of electricity generation pattern in China from perspective of water scarcity. <i>Energy Procedia</i> , <b>2019</b> , 158, 3872-3877	2.3	5
207	Driving force analysis of the consumption of water and energy in China based on LMDI method. <i>Energy Procedia</i> , <b>2019</b> , 158, 4318-4322	2.3	16
206	Accounting framework of energy-water nexus technologies based on 3 scope hybrid life cycle analysis. <i>Energy Procedia</i> , <b>2019</b> , 158, 4104-4108	2.3	6

205	A three-scale input-output analysis of blue and grey water footprint for Beijing-Tianjin-Hebei Urban Agglomeration. <i>Energy Procedia</i> , <b>2019</b> , 158, 4049-4054	2.3	7
204	Inequality of air pollution and carbon emission embodied in inter-regional transport. <i>Energy Procedia</i> , <b>2019</b> , 158, 3833-3839	2.3	6
203	Information-based ecological network analysis for carbon emissions. <i>Applied Energy</i> , <b>2019</b> , 238, 45-53	10.7	20
202	Application of Extreme Learning Machine for Predicting Chlorophyll-a Concentration Inartificial Upwelling Processes. <i>Mathematical Problems in Engineering</i> , <b>2019</b> , 2019, 1-11	1.1	11
201	Energy footprint pathways of China. <i>Energy</i> , <b>2019</b> , 180, 330-340	7.9	15
200	Human health impact and economic effect for PM2.5 exposure in typical cities. <i>Applied Energy</i> , <b>2019</b> , 249, 316-325	10.7	35
199	Clean air for some: Unintended spillover effects of regional air pollution policies. <i>Science Advances</i> , <b>2019</b> , 5, eaav4707	14.3	80
198	Pathways for sustainable energy transition. <i>Journal of Cleaner Production</i> , <b>2019</b> , 228, 1564-1571	10.3	44
197	Accounting global grey water footprint from both consumption and production perspectives. <i>Journal of Cleaner Production</i> , <b>2019</b> , 225, 963-971	10.3	33
196	Dynamic Carbon Emission Linkages Across Boundaries. <i>Earth's Future</i> , <b>2019</b> , 7, 197-209	7.9	17
195	Evolution of methane emissions in global supply chains during 2000-2012. <i>Resources, Conservation and Recycling</i> , <b>2019</b> , 150, 104414	11.9	20
194	Drivers of CO2 emissions from power generation in China based on modified structural decomposition analysis. <i>Journal of Cleaner Production</i> , <b>2019</b> , 220, 1143-1155	10.3	55
193	How Green Transition of Energy System Impacts China's Mercury Emissions. <i>Earth's Future</i> , <b>2019</b> , 7, 1407-1416	7.9	48
192	Interdependence between energy and metals in China: evidence from a nexus perspective. <i>Journal of Cleaner Production</i> , <b>2019</b> , 214, 345-355	10.3	18
191	Energy-water nexus under energy mix scenarios using input-output and ecological network analyses. <i>Applied Energy</i> , <b>2019</b> , 233-234, 827-839	10.7	61
190	Water-land nexus in food trade based on ecological network analysis. <i>Ecological Indicators</i> , <b>2019</b> , 97, 466-475	5.8	22
189	Indicators for contaminant transport in a three-layer wetland with wind. <i>Ecological Indicators</i> , <b>2019</b> , 105, 448-463	5.8	2
188	How do people in different places experience different levels of air pollution? Using worldwide Chinese as a lens. <i>Environmental Pollution</i> , <b>2018</b> , 238, 874-883	9.3	18

187	Unfolding the interplay between carbon flows and socioeconomic development in a city: What can network analysis offer?. <i>Applied Energy</i> , <b>2018</b> , 211, 403-412	10.7	26
186	Interregional carbon flows of China. <i>Applied Energy</i> , <b>2018</b> , 227, 342-352	10.7	56
185	Water metabolism in the socio-economic system <b>2018</b> , 287-300		
184	Dynamic monitoring of the Poyang Lake wetland by integrating Landsat and MODIS observations. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2018</b> , 139, 75-87	11.8	59
183	Three-Tier carbon accounting model for cities. <i>Applied Energy</i> , <b>2018</b> , 229, 163-175	10.7	14
182	Real-Time Estimation of Population Exposure to PM Using Mobile- and Station-Based Big Data. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	42
181	Multiregional input-output and ecological network analyses for regional energy-water nexus within China. <i>Applied Energy</i> , <b>2018</b> , 227, 353-364	10.7	64
180	PM2.5 footprint of household energy consumption. <i>Applied Energy</i> , <b>2018</b> , 227, 375-383	10.7	28
179	The electricity-water nexus in Chinese electric trade system. <i>Energy Procedia</i> , <b>2018</b> , 152, 247-252	2.3	4
178	The energy-water nexus in interregional economic trade from both consumption and production perspectives. <i>Energy Procedia</i> , <b>2018</b> , 152, 281-286	2.3	4
177	Blue, green and grey water embodied in food supply chain in China. <i>Energy Procedia</i> , <b>2018</b> , 152, 287-292	2.3	
176	Spatial energy-water nexus through economic trade network. <i>Energy Procedia</i> , <b>2018</b> , 152, 307-311	2.3	1
175	Linkages analysis for water-PM2.5 nexus in Beijing. <i>Energy Procedia</i> , <b>2018</b> , 152, 725-730	2.3	1
174	Analysis of global energy consumption inequality by using Lorenz curve. <i>Energy Procedia</i> , <b>2018</b> , 152, 750-755	2.3	13
173	Consumption-based greenhouse gas emissions accounting with capital stock change highlights dynamics of fast-developing countries. <i>Nature Communications</i> , <b>2018</b> , 9, 3581	17.4	56
172	Tracking carbon transfers embodied in Chinese municipalities' domestic and foreign trade. <i>Journal of Cleaner Production</i> , <b>2018</b> , 192, 950-960	10.3	38
171	Linkage analysis for water-carbon nexus in China. <i>Applied Energy</i> , <b>2018</b> , 225, 682-695	10.7	48
170	Ternary energetic environmental performance auditing of a typical industrial park in Beijing. <i>Journal of Cleaner Production</i> , <b>2017</b> , 163, 128-135	10.3	7

169	The driving force of water footprint under the rapid urbanization process: a structural decomposition analysis for Zhangye city in China. <i>Journal of Cleaner Production</i> , <b>2017</b> , 163, S322-S328	10.3	67
168	Sustainability accounting of a household biogas project based on emergy. <i>Applied Energy</i> , <b>2017</b> , 194, 819-831	10.7	26
167	Emergy evaluation for a low-carbon industrial park. <i>Journal of Cleaner Production</i> , <b>2017</b> , 163, S392-S400	10.3	21
166	Communal carbon metabolism: methodology and case study. <i>Journal of Cleaner Production</i> , <b>2017</b> , 163, S315-S321	10.3	5
165	Assessing the energy-saving effect of urbanization in China based on stochastic impacts by regression on population, affluence and technology (STIRPAT) model. <i>Journal of Cleaner Production</i> , <b>2017</b> , 163, S306-S314	10.3	75
164	A holistic low carbon city indicator framework for sustainable development. <i>Applied Energy</i> , <b>2017</b> , 185, 1919-1930	10.7	136
163	Urban ecological footprint prediction based on the Markov chain. <i>Journal of Cleaner Production</i> , <b>2017</b> , 163, 146-153	10.3	26
162	Driving factors of carbon dioxide emissions in China: an empirical study using 2006-2010 provincial data. <i>Frontiers of Earth Science</i> , <b>2017</b> , 11, 156-161	1.7	23
161	Linkage analysis for the water-energy nexus of city. <i>Applied Energy</i> , <b>2017</b> , 189, 770-779	10.7	168
160	ENA-based evaluation of energy supply security: Comparison between the Chinese crude oil and natural gas supply systems. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 72, 888-899	16.2	32
159	Urban energy-water nexus based on modified input-output analysis. <i>Applied Energy</i> , <b>2017</b> , 196, 208-217	10.7	97
158	A three-scale input-output analysis of water use in a regional economy: Hebei province in China. <i>Journal of Cleaner Production</i> , <b>2017</b> , 156, 962-974	10.3	32
157	Driving Forces of Particulate Matter Emissions in China. <i>Energy Procedia</i> , <b>2017</b> , 105, 4601-4606	2.3	3
156	Changing Urban Carbon Metabolism over Time: Historical Trajectory and Future Pathway. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 7560-7571	10.3	43
155	Biotechnological Advances for Restoring Degraded Land for Sustainable Development. <i>Trends in Biotechnology</i> , <b>2017</b> , 35, 847-859	15.1	48
154	Impacts of different low-carbon development pathways on water consumption in China based on input-output analysis. <i>Energy Procedia</i> , <b>2017</b> , 142, 3122-3128	2.3	1
153	Biogas Systems in China <b>2017</b> ,		1
152	History of Biogas Production in China <b>2017</b> , 1-15		

151	Assessment and regulation of urban crude oil supply security: A network perspective. <i>Journal of Cleaner Production</i> , <b>2017</b> , 165, 93-102	10.3	6
150	Linkages Analysis for Water-carbon Nexus in Urban System. <i>Energy Procedia</i> , <b>2017</b> , 105, 3876-3880	2.3	5
149	Energy-water Nexus in Beijing: Causality Analysis and Scenario Analysis. <i>Energy Procedia</i> , <b>2017</b> , 105, 3966-3971	2.3	5
148	Water-Energy Nexus in China's Electric Power System. <i>Energy Procedia</i> , <b>2017</b> , 105, 3972-3977	2.3	25
147	Quantitative estimation of 21st-century urban greenspace changes in Chinese populous cities. <i>Science of the Total Environment</i> , <b>2017</b> , 609, 956-965	10.2	30
146	Main Methods <b>2017</b> , 17-36		
145	Dynamic forecasting of agricultural water footprint based on Markov Chain-a case study of the Heihe River Basin. <i>Ecological Modelling</i> , <b>2017</b> , 353, 150-157	3	12
144	Coupling of carbon and energy flows in cities: A meta-analysis and nexus modelling. <i>Applied Energy</i> , <b>2017</b> , 194, 774-783	10.7	42
143	Network perspective of embodied PM2.5 [A case study. <i>Journal of Cleaner Production</i> , <b>2017</b> , 142, 3322-3331	10.3	13
142	Energy-water nexus of international energy trade of China. <i>Applied Energy</i> , <b>2017</b> , 194, 725-734	10.7	86
141	Regional water-energy-food nexus in China based on multiregional input-output analysis. <i>Energy Procedia</i> , <b>2017</b> , 142, 3108-3114	2.3	14
140	Embodied carbon emission analysis of eco-industrial park based on input-output analysis and ecological network analysis. <i>Energy Procedia</i> , <b>2017</b> , 142, 3102-3107	2.3	2
139	The Societal Costs of Deep Decarbonization in China. <i>Energy Procedia</i> , <b>2017</b> , 142, 3115-3121	2.3	1
138	Environment Emissions of Household Biogas Project <b>2017</b> , 49-63		
137	Economic Assessment of Household Biogas Project <b>2017</b> , 75-83		
136	Energy Evaluation of Household Biogas Project <b>2017</b> , 65-73		
135	Emergy Analysis of Biogas-Linked Agricultural System <b>2017</b> , 85-136		
134	Life-cycle environmental impact analysis of a typical cement production chain. <i>Applied Energy</i> , <b>2016</b> , 164, 916-923	10.7	54

133	Prevention and control policy analysis for energy-related regional pollution management in China. <i>Applied Energy</i> , <b>2016</b> , 166, 292-300	10.7	82
132	Energy-water nexus of urban agglomeration based on multiregional input-output tables and ecological network analysis: A case study of the Beijing-Tianjin-Hebei region. <i>Applied Energy</i> , <b>2016</b> , 178, 773-783	10.7	178
131	Energy consumption for water use cycles in different countries: A review. <i>Applied Energy</i> , <b>2016</b> , 178, 868-885	10.7	154
130	Modelling Carbon-energy Metabolism of Cities: A Systems Approach. <i>Energy Procedia</i> , <b>2016</b> , 88, 31-37	2.3	7
129	Emergy-based Cost-benefit Analysis for Urban Biogas Project. <i>Energy Procedia</i> , <b>2016</b> , 88, 119-125	2.3	4
128	Ecological network analysis of embodied particulate matter 2.5 – A case study of Beijing. <i>Applied Energy</i> , <b>2016</b> , 184, 882-888	10.7	37
127	Urban energy-water nexus: A network perspective. <i>Applied Energy</i> , <b>2016</b> , 184, 905-914	10.7	228
126	Recent trend of industrial emissions in developing countries. <i>Applied Energy</i> , <b>2016</b> , 166, 187-190	10.7	18
125	Energy-water nexus of wind power generation systems. <i>Applied Energy</i> , <b>2016</b> , 169, 1-13	10.7	72
124	Comparing national environmental and economic performances through emergy sustainability indicators: Moving environmental ethics beyond anthropocentrism toward ecocentrism. <i>Renewable and Sustainable Energy Reviews</i> , <b>2016</b> , 58, 1532-1542	16.2	38
123	Ecological network analysis of the virtual water network within China's electric power system during 2007-2012. <i>Applied Energy</i> , <b>2016</b> , 168, 110-121	10.7	53
122	Targeted opportunities to address the climate-trade dilemma in China. <i>Nature Climate Change</i> , <b>2016</b> , 6, 201-206	21.4	159
121	Ecological Network Analysis of Embodied Energy Exchanges Among the Seven Regions of China. <i>Journal of Industrial Ecology</i> , <b>2016</b> , 20, 472-483	7.2	10
120	Production-based and Consumption-based Carbon Emissions of Beijing: Trend and Features. <i>Energy Procedia</i> , <b>2016</b> , 104, 171-176	2.3	9
119	Co-benefits of CO <sub>2</sub> and PM <sub>2.5</sub> Emission Reduction. <i>Energy Procedia</i> , <b>2016</b> , 104, 92-97	2.3	11
118	Energy Consumption in Urban Water Cycle. <i>Energy Procedia</i> , <b>2016</b> , 104, 123-128	2.3	18
117	Energy-water-carbon Nexus at Urban Scale. <i>Energy Procedia</i> , <b>2016</b> , 104, 183-190	2.3	8
116	Dynamic Hybrid Life Cycle Assessment of CO <sub>2</sub> Emissions of a Typical Biogas Project. <i>Energy Procedia</i> , <b>2016</b> , 104, 396-401	2.3	6



115	Information-based Ecological Network Analysis for Embodied Carbon Network in China. <i>Energy Procedia</i> , <b>2016</b> , 104, 574-579	2.3	3
114	Inter-country Energy Trade Analysis Based on Ecological Network Analysis. <i>Energy Procedia</i> , <b>2016</b> , 104, 580-584	2.3	4
113	Emergy-based sustainability evaluation of wind power generation systems. <i>Applied Energy</i> , <b>2016</b> , 177, 239-246	10.7	36
112	Tracking Inter-Regional Carbon Flows: A Hybrid Network Model. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 4731-41	10.3	81
111	Extended Exergy Accounting for Karachi. <i>Energy Procedia</i> , <b>2016</b> , 88, 52-57	2.3	2
110	Energy-Water Nexus in Urban Industrial System. <i>Energy Procedia</i> , <b>2016</b> , 88, 212-217	2.3	14
109	LCA-based Carbon Footprint of a Typical Wind Farm in China. <i>Energy Procedia</i> , <b>2016</b> , 88, 250-256	2.3	12
108	Water-energy Control Relationship in Socio-economic System. <i>Energy Procedia</i> , <b>2016</b> , 88, 285-289	2.3	1
107	The Evolution of Cities: Brains Parasites Sustainable Production and Consumption Processes in China. <i>Energy Procedia</i> , <b>2016</b> , 88, 218-223	2.3	2
106	Accounting of SO <sub>2</sub> Emissions from Combustion in Industrial Boilers. <i>Energy Procedia</i> , <b>2016</b> , 88, 325-329	2.3	7
105	Carbon footprint accounting of a typical wind farm in China. <i>Applied Energy</i> , <b>2016</b> , 180, 416-423	10.7	32
104	Scarce Water Footprint of Energy Production in China. <i>Energy Procedia</i> , <b>2016</b> , 88, 176-181	2.3	3
103	Ecological network analysis for carbon metabolism of eco-industrial parks: a case study of a typical eco-industrial park in Beijing. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 7254-64	10.3	92
102	Energy and material flows of megacities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 5985-90	11.5	303
101	Trans-boundary total suspended particulate matter (TSPM) in urban ecosystems. <i>Ecological Modelling</i> , <b>2015</b> , 318, 59-63	3	20
100	Sustainable Urban Metabolism <b>2015</b> , 1-8		2
99	Ecological network analysis for a virtual water network. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 6722-30	10.3	97
98	Designing a multi-species spatially explicit nature reserve network construction framework based on extinction probability: A case study of Wuyishan city. <i>Ecological Modelling</i> , <b>2015</b> , 318, 109-117	3	1

97	Nonzero-Sum Relationships in Mitigating Urban Carbon Emissions: A Dynamic Network Simulation. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 11594-603	10.3	102
96	Integrated ecological modelling for sustainable urban metabolism and management. <i>Ecological Modelling</i> , <b>2015</b> , 318, 1-4	3	14
95	Urban nexus: A new paradigm for urban studies. <i>Ecological Modelling</i> , <b>2015</b> , 318, 5-7	3	24
94	Urban metabolism and nexus. <i>Ecological Informatics</i> , <b>2015</b> , 26, 1-2	4.2	29
93	Scenarios for sewage sludge reduction and reuse in clinker production towards regional eco-industrial development: a comparative energy-based assessment. <i>Journal of Cleaner Production</i> , <b>2015</b> , 103, 371-383	10.3	39
92	Urban energy consumption: Different insights from energy flow analysis, input-output analysis and ecological network analysis. <i>Applied Energy</i> , <b>2015</b> , 138, 99-107	10.7	256
91	Assessing the cumulative environmental impact of hydropower construction on river systems based on energy network model. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 42, 78-92	16.2	60
90	Sustainability-based economic and ecological evaluation of a rural biogas-linked agro-ecosystem. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 41, 347-355	16.2	42
89	A review of industrial symbiosis research: theory and methodology. <i>Frontiers of Earth Science</i> , <b>2015</b> , 9, 91-104	1.7	28
88	Energy Analysis and Assessment for a High-end Industrial Park. <i>Energy Procedia</i> , <b>2015</b> , 75, 2953-2956	2.3	4
87	Life Cycle Assessment of Wind Power Generation System <b>2015</b> , 1-18		1
86	Life Cycle Assessment of Biogas Systems <b>2015</b> , 1-13		
85	Carbon Metabolism in Urban Communities. <i>Energy Procedia</i> , <b>2015</b> , 75, 2969-2973	2.3	8
84	Estimating Energy Consumption of Transport Modes in China Using DEA. <i>Sustainability</i> , <b>2015</b> , 7, 4225-4238	3.8	44
83	Embodiment of virtual water of power generation in the electric power system in China. <i>Applied Energy</i> , <b>2015</b> , 151, 345-354	10.7	67
82	Two-scale analysis for environmental dispersion in a two-layer wetland. <i>Physics and Chemistry of the Earth</i> , <b>2015</b> , 89-90, 91-95	3	1
81	Energy efficiency and sustainability of complex biogas systems: A 3-level emergetic evaluation. <i>Applied Energy</i> , <b>2014</b> , 115, 151-163	10.7	42
80	Urban ecosystem modeling and global change: potential for rational urban management and emissions mitigation. <i>Environmental Pollution</i> , <b>2014</b> , 190, 139-49	9.3	117

79	Emergy analysis of a biogas-linked agricultural system in rural China – A case study in Gongcheng Yao Autonomous County. <i>Applied Energy</i> , <b>2014</b> , 118, 173-182	10.7	62
78	Analysis of urban metabolic processes based on input-output method: model development and a case study for Beijing. <i>Frontiers of Earth Science</i> , <b>2014</b> , 8, 190-201	1.7	8
77	Emergy-based dynamic mechanisms of urban development, resource consumption and environmental impacts. <i>Ecological Modelling</i> , <b>2014</b> , 271, 90-102	3	57
76	Assessment of energy security in China based on ecological network analysis: A perspective from the security of crude oil supply. <i>Energy Policy</i> , <b>2014</b> , 74, 406-413	7.2	44
75	Ecological accounting based on extended exergy: a sustainability perspective. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 9826-33	10.3	31
74	Driving force analysis of the agricultural water footprint in China based on the LMDI method. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 12723-31	10.3	105
73	Network environ analysis for socio-economic water system. <i>Ecological Indicators</i> , <b>2014</b> , 47, 80-88	5.8	36
72	Indicators for an expanded business operations model to evaluate eco-smart corporate communities. <i>Ecological Indicators</i> , <b>2014</b> , 47, 137-148	5.8	5
71	Eco-indicators for urban metabolism. <i>Ecological Indicators</i> , <b>2014</b> , 47, 5-6	5.8	12
70	Dynamic monitoring of wetland cover changes using time-series remote sensing imagery. <i>Ecological Informatics</i> , <b>2014</b> , 24, 17-26	4.2	58
69	Global warming impact assessment of a crop residue gasification project – A dynamic LCA perspective. <i>Applied Energy</i> , <b>2014</b> , 122, 269-279	10.7	57
68	Ecological accounting for China based on extended exergy. <i>Renewable and Sustainable Energy Reviews</i> , <b>2014</b> , 37, 334-347	16.2	41
67	Driving force analysis of water footprint change based on extended STIRPAT model: Evidence from the Chinese agricultural sector. <i>Ecological Indicators</i> , <b>2014</b> , 47, 43-49	5.8	86
66	Carbon footprint estimation of Chinese economic sectors based on a three-tier model. <i>Renewable and Sustainable Energy Reviews</i> , <b>2014</b> , 29, 499-507	16.2	21
65	Urban Studies Based on Emergy – A Review in Perspective of Causality. <i>Energy Procedia</i> , <b>2014</b> , 61, 2546-2549	2.3	7
64	A Hybrid Life-cycle Assessment of CO <sub>2</sub> Emissions of a PV Water Pumping System in China. <i>Energy Procedia</i> , <b>2014</b> , 61, 2871-2875	2.3	14
63	Embodied Water Consumption of Biogas – Digestate Utilization. <i>Energy Procedia</i> , <b>2014</b> , 61, 615-618	2.3	4
62	Extended exergy based ecological accounting for the transportation sector in China. <i>Renewable and Sustainable Energy Reviews</i> , <b>2014</b> , 32, 229-237	16.2	24

61	Extending the Application of Network Analysis to Ecological Risk Assessment for Aquatic Ecosystems. <i>Developments in Environmental Modelling</i> , <b>2014</b> , 26, 161-183	0	
60	Social network analysis and network connectedness analysis for industrial symbiotic systems: model development and case study. <i>Frontiers of Earth Science</i> , <b>2013</b> , 7, 169-181	1.7	27
59	Net energy production and emissions mitigation of domestic wastewater treatment system: a comparison of different biogas-sludge use alternatives. <i>Bioresource Technology</i> , <b>2013</b> , 144, 296-303	11	47
58	Urban energy consumption and related carbon emission estimation: a study at the sector scale. <i>Frontiers of Earth Science</i> , <b>2013</b> , 7, 480-486	1.7	15
57	Chlorophyll a simulation in a lake ecosystem using a model with wavelet analysis and artificial neural network. <i>Environmental Management</i> , <b>2013</b> , 51, 1044-54	3.1	24
56	Urban public health assessment and pattern analysis: comparison of four cities in different countries. <i>Frontiers of Earth Science</i> , <b>2013</b> , 7, 191-198	1.7	2
55	Life cycle assessment of coupling household biogas production to agricultural industry: A case study of biogas-linked persimmon cultivation and processing system. <i>Energy Policy</i> , <b>2013</b> , 62, 707-716	7.2	34
54	Modelling a thermodynamic-based comparative framework for urban sustainability: Incorporating economic and ecological losses into emergy analysis. <i>Ecological Modelling</i> , <b>2013</b> , 252, 280-287	3	34
53	Ecological risk assessment on the system scale: A review of state-of-the-art models and future perspectives. <i>Ecological Modelling</i> , <b>2013</b> , 250, 25-33	3	85
52	Integrated evaluation of embodied energy, greenhouse gas emission and economic performance of a typical wind farm in China. <i>Renewable and Sustainable Energy Reviews</i> , <b>2013</b> , 27, 559-568	16.2	32
51	Contaminant transport in a two-zone wetland: Dispersion and ecological degradation. <i>Journal of Hydrology</i> , <b>2013</b> , 488, 118-125	6	38
50	Comprehensive evaluation of the structural characteristics of an urban metabolic system: Model development and a case study of Beijing. <i>Ecological Modelling</i> , <b>2013</b> , 252, 106-113	3	26
49	Modelling for multi-scale ecosystems in the context of global climate change. <i>Ecological Modelling</i> , <b>2013</b> , 252, 1-2	3	7
48	Modeling the purification effects of the constructed Sphagnum wetland on phosphorus and heavy metals in Dajihu Wetland Reserve, China. <i>Ecological Modelling</i> , <b>2013</b> , 252, 23-31	3	7
47	Ecosystem health pattern analysis of urban clusters based on emergy synthesis: Results and implication for management. <i>Energy Policy</i> , <b>2013</b> , 59, 600-613	7.2	14
46	A Sustainability-Oriented Multiobjective Optimization Model for Siting and Sizing Distributed Generation Plants in Distribution Systems. <i>Mathematical Problems in Engineering</i> , <b>2013</b> , 2013, 1-11	1.1	1
45	Evaluation of a Low-Carbon City: Method and Application. <i>Entropy</i> , <b>2013</b> , 15, 1171-1185	2.8	38
44	Urban Ecosystem Health Assessment and Its Application in Management: A Multi-Scale Perspective. <i>Entropy</i> , <b>2013</b> , 15, 1-9	2.8	13

43	Decomposition Analysis of Energy-Related Industrial CO2 Emissions in China. <i>Energies</i> , <b>2013</b> , 6, 2319-2337	3.1	36
42	Scenario analysis and path selection of low-carbon transformation in China based on a modified IPAT model. <i>PLoS ONE</i> , <b>2013</b> , 8, e77699	3.7	13
41	Urban public health: is there a pyramid?. <i>International Journal of Environmental Research and Public Health</i> , <b>2013</b> , 10, 490-8	4.6	1
40	Exploring Improvement Paths for Eight Industrial Symbiosis Complexes throughout the World. <i>Journal of Environmental Accounting and Management</i> , <b>2013</b> , 1, 295-306	2	3
39	Life-cycle energy production and emissions mitigation by comprehensive biogas-digestate utilization. <i>Bioresource Technology</i> , <b>2012</b> , 114, 357-64	11	83
38	Sustainability and future alternatives of biogas-linked agrosystem (BLAS) in China: An emergy synthesis. <i>Renewable and Sustainable Energy Reviews</i> , <b>2012</b> , 16, 3948-3959	16.2	78
37	Network environ perspective for urban metabolism and carbon emissions: a case study of Vienna, Austria. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 4498-506	10.3	187
36	Constructing a network of the social-economic consumption system of China using extended exergy analysis. <i>Renewable and Sustainable Energy Reviews</i> , <b>2012</b> , 16, 4796-4808	16.2	54
35	Two-decade wetland cultivation and its effects on soil properties in salt marshes in the Yellow River Delta, China. <i>Ecological Informatics</i> , <b>2012</b> , 10, 49-55	4.2	49
34	Ecological network analysis for a low-carbon and high-tech industrial park. <i>Scientific World Journal, The</i> , <b>2012</b> , 2012, 305474	2.2	15
33	Evaluating ecological and economic benefits of a low-carbon industrial park based on millennium ecosystem assessment framework. <i>Scientific World Journal, The</i> , <b>2012</b> , 2012, 909317	2.2	7
32	Life-cycle-based multicriteria sustainability evaluation of industrial parks: a case study in China. <i>Scientific World Journal, The</i> , <b>2012</b> , 2012, 917830	2.2	6
31	Greenhouse gas emission accounting and management of low-carbon community. <i>Scientific World Journal, The</i> , <b>2012</b> , 2012, 613721	2.2	9
30	Ecological network analysis on global virtual water trade. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 1796-803	10.3	72
29	Changing Lifestyles Towards a Low Carbon Economy: An IPAT Analysis for China. <i>Energies</i> , <b>2012</b> , 5, 22-31	3.1	63
28	Low-Carbon Development Patterns: Observations of Typical Chinese Cities. <i>Energies</i> , <b>2012</b> , 5, 291-304	3.1	34
27	Information-based Network Environ Analysis: A system perspective for ecological risk assessment. <i>Ecological Indicators</i> , <b>2011</b> , 11, 1664-1672	5.8	85
26	The cumulative effects of dam project on river ecosystem based on multi-scale ecological network analysis. <i>Procedia Environmental Sciences</i> , <b>2011</b> , 5, 12-17		14

25	Extended exergy-based ecological accounting of China during 2000-2007. <i>Procedia Environmental Sciences</i> , <b>2011</b> , 5, 87-95		14
24	Evaluation of the changed properties of aquatic animals after dam construction using ecological network analysis. <i>Procedia Environmental Sciences</i> , <b>2011</b> , 5, 114-119		9
23	Extended exergy analysis of urban socioeconomic system: a case study of Beijing, 1996-2006. <i>International Journal of Exergy</i> , <b>2011</b> , 9, 168	1.2	8
22	Monitoring trends of urban development and environmental impact of Beijing, 1999-2006. <i>Science of the Total Environment</i> , <b>2011</b> , 409, 3295-308	10.2	76
21	The variations of exergies and structural exergies along eutrophication gradients in Chinese and Italian lakes. <i>Ecological Modelling</i> , <b>2011</b> , 222, 337-350	3	14
20	Spatial distribution and ecological risk assessment of heavy metals in surface sediments from a typical plateau lake wetland, China. <i>Ecological Modelling</i> , <b>2011</b> , 222, 301-306	3	229
19	Systematic studies on wetlands in China. <i>Ecological Modelling</i> , <b>2011</b> , 222, 221-223	3	7
18	Assessing inter-city ecological and economic relations: An emergy-based conceptual model. <i>Frontiers of Earth Science</i> , <b>2011</b> , 5, 97-102	1.7	10
17	Using LMDI method to analyze the change of industrial CO2 emission from energy use in Chongqing. <i>Frontiers of Earth Science</i> , <b>2011</b> , 5, 103-109	1.7	26
16	A comparative study of Beijing and three global cities: A perspective on urban livability. <i>Frontiers of Earth Science</i> , <b>2011</b> , 5, 323	1.7	16
15	Impacts of biogas projects on agro-ecosystem in rural areas [A case study of Gongcheng. <i>Frontiers of Earth Science</i> , <b>2011</b> , 5, 317	1.7	8
14	An emergy-based analysis of urban ecosystem health characteristics for Beijing city. <i>International Journal of Exergy</i> , <b>2011</b> , 9, 192	1.2	6
13	Analysis of Resource and Emission Impacts: An Emergy-Based Multiple Spatial Scale Framework for Urban Ecological and Economic Evaluation. <i>Entropy</i> , <b>2011</b> , 13, 720-743	2.8	19
12	Temporal and Spatial Analysis of Integrated Energy and Environment Efficiency in China Based on a Green GDP Index. <i>Energies</i> , <b>2011</b> , 4, 1376-1390	3.1	23
11	Extended exergy-based urban ecosystem network analysis: a case study of Beijing, China. <i>Procedia Environmental Sciences</i> , <b>2010</b> , 2, 243-251		14
10	Examination of wetlands system using ecological network analysis: A case study of Baiyangdian Basin, China. <i>Procedia Environmental Sciences</i> , <b>2010</b> , 2, 427-439		10
9	Information indices from ecological network analysis for urban metabolic system. <i>Procedia Environmental Sciences</i> , <b>2010</b> , 2, 720-724		20
8	Ecological risk assessment of hydropower dam construction based on ecological network analysis. <i>Procedia Environmental Sciences</i> , <b>2010</b> , 2, 725-728		10

7	Applying the input-output method to account for water footprint and virtual water trade in the Haihe River basin in China. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 9150-6	10.3	180
6	Relative urban ecosystem health assessment: a method integrating comprehensive evaluation and detailed analysis. <i>EcoHealth</i> , <b>2010</b> , 7, 459-72	3.1	13
5	Township ecosystem health assessment based on fuzzy synthesis evaluation method: a case study of Tongzhou District, Beijing, China. <i>Frontiers of Earth Science</i> , <b>2009</b> , 3, 312-319		3
4	Study on sustainable water use of the Haihe River Basin using ecological network analysis. <i>Frontiers of Earth Science</i> , <b>2009</b> , 3, 419-430		7
3	Rural energy in China: Pattern and policy. <i>Renewable Energy</i> , <b>2009</b> , 34, 2813-2823	8.1	101
2	Simulation of nitrogen contaminant transportation by a compact difference scheme in the downstream Yellow River, China. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2009</b> , 14, 935-945	3.7	7
1	Understanding, Implementing, and Tracking Urban Metabolism Is Key to Urban Futures68-91		2