

Bin Chen

List of Publications by Citations

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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	Energy and material flows of megacities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 5985-90	11.5	303
239	Urban energy consumption: Different insights from energy flow analysis, input-output analysis and ecological network analysis. <i>Applied Energy</i> , 2015 , 138, 99-107	10.7	256
238	Spatial distribution and ecological risk assessment of heavy metals in surface sediments from a typical plateau lake wetland, China. <i>Ecological Modelling</i> , 2011 , 222, 301-306	3	229
237	Urban energy-water nexus: A network perspective. <i>Applied Energy</i> , 2016 , 184, 905-914	10.7	228
236	Near-real-time monitoring of global CO emissions reveals the effects of the COVID-19 pandemic. <i>Nature Communications</i> , 2020 , 11, 5172	17.4	204
235	Network environ perspective for urban metabolism and carbon emissions: a case study of Vienna, Austria. <i>Environmental Science & Technology</i> , 2012 , 46, 4498-506	10.3	187
234	Applying the input-output method to account for water footprint and virtual water trade in the Haihe River basin in China. <i>Environmental Science & Technology</i> , 2010 , 44, 9150-6	10.3	180
233	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> , 2016 , 178, 773-783	10.7	178
232	Linkage analysis for the water-energy nexus of city. <i>Applied Energy</i> , 2017 , 189, 770-779	10.7	168
231	Targeted opportunities to address the climate-trade dilemma in China. <i>Nature Climate Change</i> , 2016 , 6, 201-206	21.4	159
230	Energy consumption for water use cycles in different countries: A review. <i>Applied Energy</i> , 2016 , 178, 868-885	10.7	154
229	A holistic low carbon city indicator framework for sustainable development. <i>Applied Energy</i> , 2017 , 185, 1919-1930	10.7	136
228	Urban ecosystem modeling and global change: potential for rational urban management and emissions mitigation. <i>Environmental Pollution</i> , 2014 , 190, 139-49	9.3	117
227	Driving force analysis of the agricultural water footprint in China based on the LMDI method. <i>Environmental Science & Technology</i> , 2014 , 48, 12723-31	10.3	105
226	Nonzero-Sum Relationships in Mitigating Urban Carbon Emissions: A Dynamic Network Simulation. <i>Environmental Science & Technology</i> , 2015 , 49, 11594-603	10.3	102
225	Rural energy in China: Pattern and policy. <i>Renewable Energy</i> , 2009 , 34, 2813-2823	8.1	101
224	Urban energy-water nexus based on modified input-output analysis. <i>Applied Energy</i> , 2017 , 196, 208-217	10.7	97

223	Ecological network analysis for a virtual water network. <i>Environmental Science & Technology</i> , 2015 , 49, 6722-30	10.3	97
222	Ecological network analysis for carbon metabolism of eco-industrial parks: a case study of a typical eco-industrial park in Beijing. <i>Environmental Science & Technology</i> , 2015 , 49, 7254-64	10.3	92
221	Driving force analysis of water footprint change based on extended STIRPAT model: Evidence from the Chinese agricultural sector. <i>Ecological Indicators</i> , 2014 , 47, 43-49	5.8	86
220	Energy-water nexus of international energy trade of China. <i>Applied Energy</i> , 2017 , 194, 725-734	10.7	86
219	Ecological risk assessment on the system scale: A review of state-of-the-art models and future perspectives. <i>Ecological Modelling</i> , 2013 , 250, 25-33	3	85
218	Information-based Network Environ Analysis: A system perspective for ecological risk assessment. <i>Ecological Indicators</i> , 2011 , 11, 1664-1672	5.8	85
217	Life-cycle energy production and emissions mitigation by comprehensive biogas-digestate utilization. <i>Bioresource Technology</i> , 2012 , 114, 357-64	11	83
216	Prevention and control policy analysis for energy-related regional pollution management in China. <i>Applied Energy</i> , 2016 , 166, 292-300	10.7	82
215	Tracking Inter-Regional Carbon Flows: A Hybrid Network Model. <i>Environmental Science & Technology</i> , 2016 , 50, 4731-41	10.3	81
214	Clean air for some: Unintended spillover effects of regional air pollution policies. <i>Science Advances</i> , 2019 , 5, eaav4707	14.3	80
213	Sustainability and future alternatives of biogas-linked agrosystem (BLAS) in China: An emergy synthesis. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 3948-3959	16.2	78
212	Monitoring trends of urban development and environmental impact of Beijing, 1999-2006. <i>Science of the Total Environment</i> , 2011 , 409, 3295-308	10.2	76
211	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> , 2017 , 163, S306-S314	10.3	75
210	Energy-water nexus of wind power generation systems. <i>Applied Energy</i> , 2016 , 169, 1-13	10.7	72
209	Ecological network analysis on global virtual water trade. <i>Environmental Science & Technology</i> , 2012 , 46, 1796-803	10.3	72
208	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> , 2017 , 163, S322-S328	10.3	67
207	Embodiment of virtual water of power generation in the electric power system in China. <i>Applied Energy</i> , 2015 , 151, 345-354	10.7	67
206	Multiregional input-output and ecological network analyses for regional energy-water nexus within China. <i>Applied Energy</i> , 2018 , 227, 353-364	10.7	64

205	Changing Lifestyles Towards a Low Carbon Economy: An IPAT Analysis for China. <i>Energies</i> , 2012 , 5, 22-313.1	63
204	Energy analysis of a biogas-linked agricultural system in rural China [A case study in Gongcheng Yao Autonomous County. <i>Applied Energy</i> , 2014 , 118, 173-182	10.7 62
203	Energy-water nexus under energy mix scenarios using input-output and ecological network analyses. <i>Applied Energy</i> , 2019 , 233-234, 827-839	10.7 61
202	Assessing the cumulative environmental impact of hydropower construction on river systems based on energy network model. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 42, 78-92	16.2 60
201	Dynamic monitoring of the Poyang Lake wetland by integrating Landsat and MODIS observations. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018 , 139, 75-87	11.8 59
200	Dynamic monitoring of wetland cover changes using time-series remote sensing imagery. <i>Ecological Informatics</i> , 2014 , 24, 17-26	4.2 58
199	Energy-based dynamic mechanisms of urban development, resource consumption and environmental impacts. <i>Ecological Modelling</i> , 2014 , 271, 90-102	3 57
198	Global warming impact assessment of a crop residue gasification project [A dynamic LCA perspective. <i>Applied Energy</i> , 2014 , 122, 269-279	10.7 57
197	Interregional carbon flows of China. <i>Applied Energy</i> , 2018 , 227, 342-352	10.7 56
196	Consumption-based greenhouse gas emissions accounting with capital stock change highlights dynamics of fast-developing countries. <i>Nature Communications</i> , 2018 , 9, 3581	17.4 56
195	Drivers of CO2 emissions from power generation in China based on modified structural decomposition analysis. <i>Journal of Cleaner Production</i> , 2019 , 220, 1143-1155	10.3 55
194	Life-cycle environmental impact analysis of a typical cement production chain. <i>Applied Energy</i> , 2016 , 164, 916-923	10.7 54
193	Constructing a network of the social-economic consumption system of China using extended exergy analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 4796-4808	16.2 54
192	Ecological network analysis of the virtual water network within China's electric power system during 2007-2012. <i>Applied Energy</i> , 2016 , 168, 110-121	10.7 53
191	Two-decade wetland cultivation and its effects on soil properties in salt marshes in the Yellow River Delta, China. <i>Ecological Informatics</i> , 2012 , 10, 49-55	4.2 49
190	Biotechnological Advances for Restoring Degraded Land for Sustainable Development. <i>Trends in Biotechnology</i> , 2017 , 35, 847-859	15.1 48
189	How Green Transition of Energy System Impacts China's Mercury Emissions. <i>Earth's Future</i> , 2019 , 7, 1407-1416	7.9 48
188	Linkage analysis for water-carbon nexus in China. <i>Applied Energy</i> , 2018 , 225, 682-695	10.7 48

187	Net energy production and emissions mitigation of domestic wastewater treatment system: a comparison of different biogas-sludge use alternatives. <i>Bioresource Technology</i> , 2013 , 144, 296-303	11	47
186	Pathways for sustainable energy transition. <i>Journal of Cleaner Production</i> , 2019 , 228, 1564-1571	10.3	44
185	Assessment of energy security in China based on ecological network analysis: A perspective from the security of crude oil supply. <i>Energy Policy</i> , 2014 , 74, 406-413	7.2	44
184	Estimating Energy Consumption of Transport Modes in China Using DEA. <i>Sustainability</i> , 2015 , 7, 4225-4238	3.9	44
183	Changing Urban Carbon Metabolism over Time: Historical Trajectory and Future Pathway. <i>Environmental Science & Technology</i> , 2017 , 51, 7560-7571	10.3	43
182	Sustainability-based economic and ecological evaluation of a rural biogas-linked agro-ecosystem. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 41, 347-355	16.2	42
181	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> , 2018 , 15,	4.6	42
180	Energy efficiency and sustainability of complex biogas systems: A 3-level emergetic evaluation. <i>Applied Energy</i> , 2014 , 115, 151-163	10.7	42
179	Coupling of carbon and energy flows in cities: A meta-analysis and nexus modelling. <i>Applied Energy</i> , 2017 , 194, 774-783	10.7	42
178	Ecological accounting for China based on extended exergy. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 37, 334-347	16.2	41
177	Scenarios for sewage sludge reduction and reuse in clinker production towards regional eco-industrial development: a comparative emergy-based assessment. <i>Journal of Cleaner Production</i> , 2015 , 103, 371-383	10.3	39
176	Comparing national environmental and economic performances through emergy sustainability indicators: Moving environmental ethics beyond anthropocentrism toward ecocentrism. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 58, 1532-1542	16.2	38
175	Contaminant transport in a two-zone wetland: Dispersion and ecological degradation. <i>Journal of Hydrology</i> , 2013 , 488, 118-125	6	38
174	Evaluation of a Low-Carbon City: Method and Application. <i>Entropy</i> , 2013 , 15, 1171-1185	2.8	38
173	Tracking carbon transfers embodied in Chinese municipalities' domestic and foreign trade. <i>Journal of Cleaner Production</i> , 2018 , 192, 950-960	10.3	38
172	Ecological network analysis of embodied particulate matter 2.5 [A case study of Beijing. <i>Applied Energy</i> , 2016 , 184, 882-888	10.7	37
171	Network environ analysis for socio-economic water system. <i>Ecological Indicators</i> , 2014 , 47, 80-88	5.8	36
170	Decomposition Analysis of Energy-Related Industrial CO2 Emissions in China. <i>Energies</i> , 2013 , 6, 2319-2337	3.1	36

169	Energy-based sustainability evaluation of wind power generation systems. <i>Applied Energy</i> , 2016 , 177, 239-246	10.7	36
168	Human health impact and economic effect for PM2.5 exposure in typical cities. <i>Applied Energy</i> , 2019 , 249, 316-325	10.7	35
167	Physical and virtual carbon metabolism of global cities. <i>Nature Communications</i> , 2020 , 11, 182	17.4	35
166	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> , 2013 , 62, 707-716	7.2	34
165	Modelling a thermodynamic-based comparative framework for urban sustainability: Incorporating economic and ecological losses into emergy analysis. <i>Ecological Modelling</i> , 2013 , 252, 280-287	3	34
164	Low-Carbon Development Patterns: Observations of Typical Chinese Cities. <i>Energies</i> , 2012 , 5, 291-304	3.1	34
163	Accounting global grey water footprint from both consumption and production perspectives. <i>Journal of Cleaner Production</i> , 2019 , 225, 963-971	10.3	33
162	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> , 2017 , 72, 888-899	16.2	32
161	A three-scale input-output analysis of water use in a regional economy: Hebei province in China. <i>Journal of Cleaner Production</i> , 2017 , 156, 962-974	10.3	32
160	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> , 2013 , 27, 559-568	16.2	32
159	Carbon footprint accounting of a typical wind farm in China. <i>Applied Energy</i> , 2016 , 180, 416-423	10.7	32
158	Ecological accounting based on extended exergy: a sustainability perspective. <i>Environmental Science & Technology</i> , 2014 , 48, 9826-33	10.3	31
157	Quantitative estimation of 21st-century urban greenspace changes in Chinese populous cities. <i>Science of the Total Environment</i> , 2017 , 609, 956-965	10.2	30
156	Urban metabolism and nexus. <i>Ecological Informatics</i> , 2015 , 26, 1-2	4.2	29
155	A review of industrial symbiosis research: theory and methodology. <i>Frontiers of Earth Science</i> , 2015 , 9, 91-104	1.7	28
154	PM2.5 footprint of household energy consumption. <i>Applied Energy</i> , 2018 , 227, 375-383	10.7	28
153	Water-energy scarcity nexus risk in the national trade system based on multiregional input-output and network environ analyses. <i>Applied Energy</i> , 2020 , 268, 114974	10.7	27
152	Social network analysis and network connectedness analysis for industrial symbiotic systems: model development and case study. <i>Frontiers of Earth Science</i> , 2013 , 7, 169-181	1.7	27

151	The 2020 China report of the Lancet Countdown on health and climate change. <i>Lancet Public Health, The</i> , 2021 , 6, e64-e81	22.4	27
150	Sustainability accounting of a household biogas project based on emergy. <i>Applied Energy</i> , 2017 , 194, 819-831	10.7	26
149	Urban ecological footprint prediction based on the Markov chain. <i>Journal of Cleaner Production</i> , 2017 , 163, 146-153	10.3	26
148	Unfolding the interplay between carbon flows and socioeconomic development in a city: What can network analysis offer?. <i>Applied Energy</i> , 2018 , 211, 403-412	10.7	26
147	Comprehensive evaluation of the structural characteristics of an urban metabolic system: Model development and a case study of Beijing. <i>Ecological Modelling</i> , 2013 , 252, 106-113	3	26
146	Using LMDI method to analyze the change of industrial CO2 emission from energy use in Chongqing. <i>Frontiers of Earth Science</i> , 2011 , 5, 103-109	1.7	26
145	Water-Energy Nexus in China's Electric Power System. <i>Energy Procedia</i> , 2017 , 105, 3972-3977	2.3	25
144	Global water use associated with energy supply, demand and international trade of China. <i>Applied Energy</i> , 2020 , 257, 113992	10.7	25
143	Urban nexus: A new paradigm for urban studies. <i>Ecological Modelling</i> , 2015 , 318, 5-7	3	24
142	Land-Water-Energy nexus in agricultural management for greenhouse gas mitigation. <i>Applied Energy</i> , 2020 , 265, 114796	10.7	24
141	Chlorophyll a simulation in a lake ecosystem using a model with wavelet analysis and artificial neural network. <i>Environmental Management</i> , 2013 , 51, 1044-54	3.1	24
140	Extended exergy based ecological accounting for the transportation sector in China. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 32, 229-237	16.2	24
139	Driving factors of carbon dioxide emissions in China: an empirical study using 2006-2010 provincial data. <i>Frontiers of Earth Science</i> , 2017 , 11, 156-161	1.7	23
138	Temporal and Spatial Analysis of Integrated Energy and Environment Efficiency in China Based on a Green GDP Index. <i>Energies</i> , 2011 , 4, 1376-1390	3.1	23
137	Water-Land nexus in food trade based on ecological network analysis. <i>Ecological Indicators</i> , 2019 , 97, 466-475	5.8	22
136	Emergy evaluation for a low-carbon industrial park. <i>Journal of Cleaner Production</i> , 2017 , 163, S392-S400	10.3	21
135	Carbon footprint estimation of Chinese economic sectors based on a three-tier model. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 29, 499-507	16.2	21
134	Information-based ecological network analysis for carbon emissions. <i>Applied Energy</i> , 2019 , 238, 45-53	10.7	20

133	Trans-boundary total suspended particulate matter (TSPM) in urban ecosystems. <i>Ecological Modelling</i> , 2015 , 318, 59-63	3	20
132	Evolution of methane emissions in global supply chains during 2000-2012. <i>Resources, Conservation and Recycling</i> , 2019 , 150, 104414	11.9	20
131	Information indices from ecological network analysis for urban metabolic system. <i>Procedia Environmental Sciences</i> , 2010 , 2, 720-724		20
130	Analysis of Resource and Emission Impacts: An Energy-Based Multiple Spatial Scale Framework for Urban Ecological and Economic Evaluation. <i>Entropy</i> , 2011 , 13, 720-743	2.8	19
129	Urban carbon footprints across scale: Important considerations for choosing system boundaries. <i>Applied Energy</i> , 2020 , 259, 114201	10.7	19
128	How do people in different places experience different levels of air pollution? Using worldwide Chinese as a lens. <i>Environmental Pollution</i> , 2018 , 238, 874-883	9.3	18
127	Recent trend of industrial emissions in developing countries. <i>Applied Energy</i> , 2016 , 166, 187-190	10.7	18
126	Driving factors of water-energy nexus in China. <i>Applied Energy</i> , 2020 , 257, 113984	10.7	18
125	Energy Consumption in Urban Water Cycle. <i>Energy Procedia</i> , 2016 , 104, 123-128	2.3	18
124	Interdependence between energy and metals in China: evidence from a nexus perspective. <i>Journal of Cleaner Production</i> , 2019 , 214, 345-355	10.3	18
123	Dynamic Carbon Emission Linkages Across Boundaries. <i>Earth's Future</i> , 2019 , 7, 197-209	7.9	17
122	Driving force analysis of the consumption of water and energy in China based on LMDI method. <i>Energy Procedia</i> , 2019 , 158, 4318-4322	2.3	16
121	A comparative study of Beijing and three global cities: A perspective on urban livability. <i>Frontiers of Earth Science</i> , 2011 , 5, 323	1.7	16
120	Identifying hotspots of sectors and supply chain paths for electricity conservation in China. <i>Journal of Cleaner Production</i> , 2020 , 251, 119653	10.3	16
119	Energy footprint pathways of China. <i>Energy</i> , 2019 , 180, 330-340	7.9	15
118	Urban energy consumption and related carbon emission estimation: a study at the sector scale. <i>Frontiers of Earth Science</i> , 2013 , 7, 480-486	1.7	15
117	Ecological network analysis for a low-carbon and high-tech industrial park. <i>Scientific World Journal, The</i> , 2012 , 2012, 305474	2.2	15
116	Integrated ecological modelling for sustainable urban metabolism and management. <i>Ecological Modelling</i> , 2015 , 318, 1-4	3	14

115	Three-Tier carbon accounting model for cities. <i>Applied Energy</i> , 2018 , 229, 163-175	10.7	14
114	Regional water-Energy-Food nexus in China based on multiregional input-output analysis. <i>Energy Procedia</i> , 2017 , 142, 3108-3114	2.3	14
113	A Hybrid Life-cycle Assessment of CO2 Emissions of a PV Water Pumping System in China. <i>Energy Procedia</i> , 2014 , 61, 2871-2875	2.3	14
112	Ecosystem health pattern analysis of urban clusters based on emergy synthesis: Results and implication for management. <i>Energy Policy</i> , 2013 , 59, 600-613	7.2	14
111	The cumulative effects of dam project on river ecosystem based on multi-scale ecological network analysis. <i>Procedia Environmental Sciences</i> , 2011 , 5, 12-17		14
110	Extended exergy-based ecological accounting of China during 2000-2007. <i>Procedia Environmental Sciences</i> , 2011 , 5, 87-95		14
109	The variations of exergies and structural exergies along eutrophication gradients in Chinese and Italian lakes. <i>Ecological Modelling</i> , 2011 , 222, 337-350	3	14
108	Extended exergy-based urban ecosystem network analysis: a case study of Beijing, China. <i>Procedia Environmental Sciences</i> , 2010 , 2, 243-251		14
107	Spillover risk analysis of virtual water trade based on multi-regional input-output model -A case study. <i>Journal of Environmental Management</i> , 2020 , 275, 111242	7.9	14
106	Energy-Water Nexus in Urban Industrial System. <i>Energy Procedia</i> , 2016 , 88, 212-217	2.3	14
105	Network perspective of embodied PM2.5 [A case study. <i>Journal of Cleaner Production</i> , 2017 , 142, 3322-3331	3.5	13
104	Urban Ecosystem Health Assessment and Its Application in Management: A Multi-Scale Perspective. <i>Entropy</i> , 2013 , 15, 1-9	2.8	13
103	Scenario analysis and path selection of low-carbon transformation in China based on a modified IPAT model. <i>PLoS ONE</i> , 2013 , 8, e77699	3.7	13
102	Relative urban ecosystem health assessment: a method integrating comprehensive evaluation and detailed analysis. <i>EcoHealth</i> , 2010 , 7, 459-72	3.1	13
101	Three-scale input-output analysis for energy and water consumption in urban agglomeration. <i>Journal of Cleaner Production</i> , 2020 , 268, 122148	10.3	13
100	Analysis of global energy consumption inequality by using Lorenz curve. <i>Energy Procedia</i> , 2018 , 152, 7502-755	2.55	13
99	Eco-indicators for urban metabolism. <i>Ecological Indicators</i> , 2014 , 47, 5-6	5.8	12
98	Dynamic forecasting of agricultural water footprint based on Markov Chain-a case study of the Heihe River Basin. <i>Ecological Modelling</i> , 2017 , 353, 150-157	3	12

97	LCA-based Carbon Footprint of a Typical Wind Farm in China. <i>Energy Procedia</i> , 2016 , 88, 250-256	2.3	12
96	Application of Extreme Learning Machine for Predicting Chlorophyll-a Concentration Inartificial Upwelling Processes. <i>Mathematical Problems in Engineering</i> , 2019 , 2019, 1-11	1.1	11
95	Embodied energy in service industry in global cities: A study of six Asian cities. <i>Land Use Policy</i> , 2020 , 91, 104264	5.6	11
94	Urban land-carbon nexus based on ecological network analysis. <i>Applied Energy</i> , 2020 , 276, 115465	10.7	11
93	Co-benefits of CO2 and PM2.5 Emission Reduction. <i>Energy Procedia</i> , 2016 , 104, 92-97	2.3	11
92	Assessing inter-city ecological and economic relations: An emergy-based conceptual model. <i>Frontiers of Earth Science</i> , 2011 , 5, 97-102	1.7	10
91	Examination of wetlands system using ecological network analysis: A case study of Baiyangdian Basin, China. <i>Procedia Environmental Sciences</i> , 2010 , 2, 427-439		10
90	Ecological risk assessment of hydropower dam construction based on ecological network analysis. <i>Procedia Environmental Sciences</i> , 2010 , 2, 725-728		10
89	Ecological Network Analysis of Embodied Energy Exchanges Among the Seven Regions of China. <i>Journal of Industrial Ecology</i> , 2016 , 20, 472-483	7.2	10
88	Greenhouse gas emission accounting and management of low-carbon community. <i>Scientific World Journal, The</i> , 2012 , 2012, 613721	2.2	9
87	Evaluation of the changed properties of aquatic animals after dam construction using ecological network analysis. <i>Procedia Environmental Sciences</i> , 2011 , 5, 114-119		9
86	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> , 2020 , 732, 139097	10.2	9
85	Production-based and Consumption-based Carbon Emissions of Beijing: Trend and Features. <i>Energy Procedia</i> , 2016 , 104, 171-176	2.3	9
84	Global Urban Carbon Networks: Linking Inventory to Modeling. <i>Environmental Science & Technology</i> , 2020 , 54, 5790-5801	10.3	8
83	Analysis of urban metabolic processes based on input-output method: model development and a case study for Beijing. <i>Frontiers of Earth Science</i> , 2014 , 8, 190-201	1.7	8
82	Carbon Metabolism in Urban Communities. <i>Energy Procedia</i> , 2015 , 75, 2969-2973	2.3	8
81	Extended exergy analysis of urban socioeconomic system: a case study of Beijing, 1996-2006. <i>International Journal of Exergy</i> , 2011 , 9, 168	1.2	8
80	Impacts of biogas projects on agro-ecosystem in rural areas [A case study of Gongcheng. <i>Frontiers of Earth Science</i> , 2011 , 5, 317	1.7	8

79	Energy-water-carbon Nexus at Urban Scale. <i>Energy Procedia</i> , 2016 , 104, 183-190	2.3	8
78	Ternary energetic environmental performance auditing of a typical industrial park in Beijing. <i>Journal of Cleaner Production</i> , 2017 , 163, 128-135	10.3	7
77	A three-scale input-output analysis of blue and grey water footprint for Beijing-Tianjin-Hebei Urban Agglomeration. <i>Energy Procedia</i> , 2019 , 158, 4049-4054	2.3	7
76	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> , 2020 , 736, 139582	10.2	7
75	Modelling Carbon-energy Metabolism of Cities: A Systems Approach. <i>Energy Procedia</i> , 2016 , 88, 31-37	2.3	7
74	Urban Studies Based on Emergy [A Review in Perspective of Causality]. <i>Energy Procedia</i> , 2014 , 61, 2546-2549	2.3	7
73	Evaluating ecological and economic benefits of a low-carbon industrial park based on millennium ecosystem assessment framework. <i>Scientific World Journal, The</i> , 2012 , 2012, 909317	2.2	7
72	Modelling for multi-scale ecosystems in the context of global climate change. <i>Ecological Modelling</i> , 2013 , 252, 1-2	3	7
71	Modeling the purification effects of the constructed Sphagnum wetland on phosphorus and heavy metals in Dajiuhu Wetland Reserve, China. <i>Ecological Modelling</i> , 2013 , 252, 23-31	3	7
70	Systematic studies on wetlands in China. <i>Ecological Modelling</i> , 2011 , 222, 221-223	3	7
69	Study on sustainable water use of the Haihe River Basin using ecological network analysis. <i>Frontiers of Earth Science</i> , 2009 , 3, 419-430		7
68	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> , 2009 , 14, 935-945	3.7	7
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