

Zhongming Lu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4383524/publications.pdf>

Version: 2024-02-01

37
papers

975
citations

430874

18
h-index

454955

30
g-index

37
all docs

37
docs citations

37
times ranked

1010
citing authors

#	ARTICLE	IF	CITATIONS
1	Data-driven assessment of room air conditioner efficiency for saving energy. <i>Journal of Cleaner Production</i> , 2022, 338, 130615.	9.3	6
2	Impact of implementation timing on the effectiveness of stay-at-home requirement under the COVID-19 pandemic: Lessons from the Italian Case. <i>Health Policy</i> , 2022, 126, 504-511.	3.0	2
3	Designing coupled LID"GREI urban drainage systems: Resilience assessment and decision-making framework. <i>Science of the Total Environment</i> , 2022, 834, 155267.	8.0	23
4	Spatial household preferences of decentralized solar photovoltaic and thermal systems. <i>Resources, Conservation and Recycling</i> , 2022, 185, 106487.	10.8	2
5	Recovery of lithium and cobalt from spent Lithium- Ion batteries using organic aqua regia (OAR): Assessment of leaching kinetics and global warming potentials. <i>Resources, Conservation and Recycling</i> , 2021, 167, 105416.	10.8	31
6	De-coal process in urban China: What can we learn from Beijing's experience?. <i>Energy</i> , 2021, 230, 120850.	8.8	6
7	Modeling spatial diffusion of decentralized water technologies and impacts on the urban water systems. <i>Journal of Cleaner Production</i> , 2021, 315, 128169.	9.3	11
8	Optimization of Roof Greening Spatial Planning to Cool Down the Summer of the City. <i>Sustainable Cities and Society</i> , 2021, 74, 103221.	10.4	7
9	Environmental performances and energy efficiencies of various urban green infrastructures: A life-cycle assessment. <i>Journal of Cleaner Production</i> , 2020, 248, 119244.	9.3	32
10	Seven Approaches to Manage Complex Coupled Human and Natural Systems: A Sustainability Toolbox. <i>Environmental Science & Technology</i> , 2019, 53, 9341-9351.	10.0	17
11	Research Development on Sustainable Urban Infrastructure From 1991 to 2017: A Bibliometric Analysis to Inform Future Innovations. <i>Earth's Future</i> , 2019, 7, 718-733.	6.3	36
12	Decentralized water collection systems for households and communities: Household preferences in Atlanta and Boston. <i>Water Research</i> , 2019, 167, 115134.	11.3	26
13	Measuring urban environmental sustainability performance in China: A multi-scale comparison among different cities, urban clusters, and geographic regions. <i>Cities</i> , 2019, 94, 200-210.	5.6	43
14	Mining of the association rules between industrialization level and air quality to inform high-quality development in China. <i>Journal of Environmental Management</i> , 2019, 246, 564-574.	7.8	70
15	Analysis of CO2 transfer processes involved in global trade based on ecological network analysis. <i>Applied Energy</i> , 2019, 233-234, 576-583.	10.1	28
16	Multi-scale analysis of the energy metabolic processes in the Beijing"Tianjin"Hebei (Jing-Jin-Ji) urban agglomeration. <i>Ecological Modelling</i> , 2018, 369, 66-76.	2.5	21
17	Urban expansion simulation and the spatio-temporal changes of ecosystem services, a case study in Atlanta Metropolitan area, USA. <i>Science of the Total Environment</i> , 2018, 622-623, 974-987.	8.0	171
18	Study of carbon metabolic processes and their spatial distribution in the Beijing-Tianjin-Hebei urban agglomeration. <i>Science of the Total Environment</i> , 2018, 645, 1630-1642.	8.0	26

#	ARTICLE	IF	CITATIONS
19	Sustainable and Resilient Design of Interdependent Water and Energy Systems: A Conceptual Modeling Framework for Tackling Complexities at the Infrastructure-Human-Resource Nexus. Sustainability, 2018, 10, 1845.	3.2	7
20	Analyzing spatio-temporal changes and trade-offs to support the supply of multiple ecosystem services in Beijing, China. Ecological Indicators, 2018, 94, 117-129.	6.3	89
21	Granular Cloning. , 2018, , .		1
22	Infrastructure ecology: an evolving paradigm for sustainable urban development. Journal of Cleaner Production, 2017, 163, S19-S27.	9.3	76
23	An integrated framework for managing the complex interdependence between infrastructures and the socioeconomic environment: An application in metropolitan Atlanta. Urban Studies, 2017, 54, 2874-2893.	3.7	3
24	Data-enabled public preferences inform integration of autonomous vehicles with transit-oriented development in Atlanta. Cities, 2017, 63, 118-127.	5.6	39
25	Key findings of the 2016 symposium on the frontiers of chemical science and engineering: Environment and sustainable development. Frontiers of Chemical Science and Engineering, 2017, 11, 305-307.	4.4	3
26	DNA Damage in Euonymus japonicus Leaf Cells Caused by Roadside Pollution in Beijing. International Journal of Environmental Research and Public Health, 2016, 13, 742.	2.6	6
27	Effects of Heavy Metals from Soil and Dust Source on DNA Damage of the Leymus chinensis Leaves in Coal-Mining Area in Northwest China. PLoS ONE, 2016, 11, e0166522.	2.5	6
28	Urgency, development stage and coordination degree analysis to support differentiation management of water pollution emission control and economic development in the eastern coastal area of China. Ecological Indicators, 2016, 71, 406-415.	6.3	37
29	Fractal dimensions of metropolitan area road networks and the impacts on the urban built environment. Ecological Indicators, 2016, 70, 285-296.	6.3	35
30	Courtyard integrated ecological system: An ecological engineering practice in China and its economic-environmental benefit. Journal of Cleaner Production, 2016, 133, 1363-1370.	9.3	7
31	Environmental Impacts of China's Urbanization from 2000 to 2010 and Management Implications. Environmental Management, 2016, 57, 498-507.	2.7	45
32	Towards automating the development of federated distributed simulations for modeling sustainable urban infrastructures. , 2015, , .		5
33	Managing the Complexity of Urban Systems. Journal of Industrial Ecology, 2015, 19, 201-204.	5.5	11
34	A Survey of Soil Enzyme Activities along Major Roads in Beijing: The Implications for Traffic Corridor Green Space Management. International Journal of Environmental Research and Public Health, 2015, 12, 12475-12488.	2.6	11
35	Market potential for smart growth neighbourhoods in the USA: A latent class analysis on heterogeneous preference and choice. Urban Studies, 2015, 52, 3001-3017.	3.7	12
36	Use of Impact Fees To Incentivize Low-Impact Development and Promote Compact Growth. Environmental Science & Technology, 2013, 47, 10744-10752.	10.0	20

#	ARTICLE	IF	CITATIONS
37	Water, energy, land use, transportation and socioeconomic nexus: A blue print for more sustainable urban systems. , 2011, , .		4