Zhongming Lu

List of Publications by Year
in descending order

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

Version: 2024-02-01

37	975	430874	454955
papers	citations	18 h-index	30 g-index

37	37	37	1010
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Urban expansion simulation and the spatio-temporal changes of ecosystem services, a case study in Atlanta Metropolitan area, USA. Science of the Total Environment, 2018, 622-623, 974-987.	8.0	171
2	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
3	Infrastructure ecology: an evolving paradigm for sustainable urban development. Journal of Cleaner Production, 2017, 163, S19-S27.	9.3	76
4	Mining of the association rules between industrialization level and air quality to inform high-quality development in China. Journal of Environmental Management, 2019, 246, 564-574.	7.8	70
5	Environmental Impacts of Chinaâ€™s Urbanization from 2000 to 2010 and Management Implications. Environmental Management, 2016, 57, 498-507.	2.7	45
6	Measuring urban environmental sustainability performance in China: A multi-scale comparison among different cities, urban clusters, and geographic regions. Cities, 2019, 94, 200-210.	5.6	43
7	Data-enabled public preferences inform integration of autonomous vehicles with transit-oriented development in Atlanta. Cities, 2017, 63, 118-127.	5.6	39
8	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
9	Research Development on Sustainable Urban Infrastructure From 1991 to 2017: A Bibliometric Analysis to Inform Future Innovations. Earth's Future, 2019, 7, 718-733.	6.3	36
10	Fractal dimensions of metropolitan area road networks and the impacts on the urban built environment. Ecological Indicators, 2016, 70, 285-296.	6.3	35
11	Environmental performances and energy efficiencies of various urban green infrastructures: A life-cycle assessment. Journal of Cleaner Production, 2020, 248, 119244.	9.3	32
12	Recovery of lithium and cobalt from spent Lithium- Ion batteries using organic aqua regia (OAR): Assessment of leaching kinetics and global warming potentials. Resources, Conservation and Recycling, 2021, 167, 105416.	10.8	31
13	Analysis of CO2 transfer processes involved in global trade based on ecological network analysis. Applied Energy, 2019, 233-234, 576-583.	10.1	28
14	Study of carbon metabolic processes and their spatial distribution in the Beijing-Tianjin-Hebei urban agglomeration. Science of the Total Environment, 2018, 645, 1630-1642.	8.0	26
15	Decentralized water collection systems for households and communities: Household preferences in Atlanta and Boston. Water Research, 2019, 167, 115134.	11.3	26
16	Designing coupled LIDâ€“GREI urban drainage systems: Resilience assessment and decision-making framework. Science of the Total Environment, 2022, 834, 155267.	8.0	23
17	Multi-scale analysis of the energy metabolic processes in the Beijingâ€“Tianjinâ€“Hebei (Jing-Jin-Ji) urban agglomeration. Ecological Modelling, 2018, 369, 66-76.	2.5	21
18	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
19	Seven Approaches to Manage Complex Coupled Human and Natural Systems: A Sustainability Toolbox. Environmental Science & Technology, 2019, 53, 9341-9351.	10.0	17
20	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
21	Managing the Complexity of Urban Systems. Journal of Industrial Ecology, 2015, 19, 201-204.	5.5	11
22	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
23	Modeling spatial diffusion of decentralized water technologies and impacts on the urban water systems. Journal of Cleaner Production, 2021, 315, 128169.	9.3	11
24	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
25	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
26	Optimization of Roof Greening Spatial Planning to Cool Down the Summer of the City. Sustainable Cities and Society, 2021, 74, 103221.	10.4	7
27	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
28	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
29	De-coal process in urban China: What can we learn from Beijing's experience?. Energy, 2021, 230, 120850.	8.8	6
30	Data-driven assessment of room air conditioner efficiency for saving energy. Journal of Cleaner Production, 2022, 338, 130615.	9.3	6
31	Towards automating the development of federated distributed simulations for modeling sustainable urban infrastructures. , 2015, , .		5
32	Water, energy, land use, transportation and socioeconomic nexus: A blue print for more sustainable urban systems. , 2011, , .		4
33	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
34	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
35	Impact of implementation timing on the effectiveness of stay-at-home requirement under the COVID-19 pandemic: Lessons from the Italian Case. Health Policy, 2022, 126, 504-511.	3.0	2
36	Spatial household preferences of decentralized solar photovoltaic and thermal systems. Resources, Conservation and Recycling, 2022, 185, 106487.	10.8	2

#	Article	IF	Citations
37	Granular Cloning. , 2018, , .		1