

Puay Yok Tan

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

3,191
citations

185998

28
h-index

155451

55
g-index

76
all docs

76
docs citations

76
times ranked

2517
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of gardening on mental resilience in times of stress: A case study during the COVID-19 pandemic in Singapore. <i>Urban Forestry and Urban Greening</i> , 2022, 68, 127448.	2.3	37
2	The influence of the COVID-19 pandemic on the demand for different shades of green. <i>People and Nature</i> , 2022, 4, 505-518.	1.7	16
3	The effects of land use on spatial pattern of urban green spaces and their cooling ability. <i>Urban Climate</i> , 2021, 35, 100743.	2.4	49
4	Quantitative evaluation of plant evapotranspiration effect for green roof in tropical area: A case study in Singapore. <i>Energy and Buildings</i> , 2021, 241, 110973.	3.1	19
5	Integrating solutions to adapt cities for climate change. <i>Lancet Planetary Health</i> , The, 2021, 5, e479-e486.	5.1	70
6	Bioretention systems for stormwater management: Recent advances and future prospects. <i>Journal of Environmental Management</i> , 2021, 292, 112766.	3.8	81
7	Relative importance of quantitative and qualitative aspects of urban green spaces in promoting health. <i>Landscape and Urban Planning</i> , 2021, 213, 104131.	3.4	59
8	Model development of Roof Thermal Transfer Value (RTTV) for green roof in tropical area: A case study in Singapore. <i>Building and Environment</i> , 2021, 203, 108101.	3.0	13
9	The effect of dynamic albedos of plant canopy on thermal performance of rooftop greenery: A case study in Singapore. <i>Building and Environment</i> , 2021, 205, 108247.	3.0	3
10	Transpiration and cooling potential of tropical urban trees from different native habitats. <i>Science of the Total Environment</i> , 2020, 705, 135764.	3.9	30
11	Temperature and air pollution reductions by urban green spaces are highly valued in a tropical city-state. <i>Urban Forestry and Urban Greening</i> , 2020, 55, 126827.	2.3	29
12	Does geo-located social media reflect the visit frequency of urban parks? A city-wide analysis using the count and content of photographs. <i>Landscape and Urban Planning</i> , 2020, 203, 103908.	3.4	52
13	Using social media user attributes to understand human-environment interactions at urban parks. <i>Scientific Reports</i> , 2020, 10, 808.	1.6	28
14	A conceptual framework to untangle the concept of urban ecosystem services. <i>Landscape and Urban Planning</i> , 2020, 200, 103837.	3.4	68
15	Height-diameter allometry for the management of city trees in the tropics. <i>Environmental Research Letters</i> , 2020, 15, 114017.	2.2	9
16	Landscapes for compact cities. <i>Journal of Landscape Architecture</i> , 2019, 14, 4-7.	0.1	7
17	Demand for parks and perceived accessibility as key determinants of urban park use behavior. <i>Urban Forestry and Urban Greening</i> , 2019, 44, 126420.	2.3	29
18	A Transdisciplinary Approach for the Validation of Neighborhood Landscape Design Guidelines. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2019, 145, 04019008.	0.8	1

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19	Walkability Assessment in a Rapidly Urbanizing City and Its Relationship with Residential Estate Value. Sustainability, 2019, 11, 2205.	1.6	18
20	Top 100 research questions for biodiversity conservation in Southeast Asia. Biological Conservation, 2019, 234, 211-220.	1.9	28
21	Associations between Urban Green Spaces and Health are Dependent on the Analytical Scale and How Urban Green Spaces are Measured. International Journal of Environmental Research and Public Health, 2019, 16, 578.	1.2	60
22	Global Variation in Climate, Human Development, and Population Density Has Implications for Urban Ecosystem Services. Sustainability, 2019, 11, 6200.	1.6	15
23	Multi-city comparison of the relationships between spatial pattern and cooling effect of urban green spaces in four major Asian cities. Ecological Indicators, 2019, 98, 200-213.	2.6	78
24	Multi-year comparison of the effects of spatial pattern of urban green spaces on urban land surface temperature. Landscape and Urban Planning, 2019, 184, 44-58.	3.4	172
25	The economic benefits and costs of trees in urban forest stewardship: A systematic review. Urban Forestry and Urban Greening, 2018, 29, 162-170.	2.3	99
26	Assessment of light adequacy for vertical farming in a tropical city. Urban Forestry and Urban Greening, 2018, 29, 49-57.	2.3	42
27	Window View and the Brain: Effects of Floor Level and Green Cover on the Alpha and Beta Rhythms in a Passive Exposure EEG Experiment. International Journal of Environmental Research and Public Health, 2018, 15, 2358.	1.2	36
28	A method to partition the relative effects of evaporative cooling and shading on air temperature within vegetation canopy. Journal of Urban Ecology, 2018, 4, .	0.6	18
29	Neighbourhood Landscapes. , 2018, , 24-57.		0
30	Designing Neighbourhood Landscapes with Landscape Services. , 2018, , 94-203.		0
31	A Conceptual Framework for Neighbourhood Landscape Design. , 2018, , 58-77.		0
32	Landscapes in Urban Areas. , 2018, , 16-23.		0
33	Impact of soil and water retention characteristics on green roof thermal performance. Energy and Buildings, 2017, 152, 830-842.	3.1	30
34	Blue-Green Infrastructure: New Frontier for Sustainable Urban Stormwater Management. Advances in 21st Century Human Settlements, 2017, , 203-226.	0.3	31
35	Benefits of trees in tropical cities. Science, 2017, 356, 1241-1241.	6.0	29
36	Effect of soil hydraulic properties on water infiltration of containerised soil. Landscape and Urban Planning, 2017, 165, 84-92.	3.4	1

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37	Urban Ecological Networks for Biodiversity Conservation in Cities. <i>Advances in 21st Century Human Settlements</i> , 2017, , 251-277.	0.3	3
38	Introduction to Green City Idea and Ideal. <i>Advances in 21st Century Human Settlements</i> , 2017, , 1-11.	0.3	1
39	Perspectives on Greening of Cities Through an Ecological Lens. <i>Advances in 21st Century Human Settlements</i> , 2017, , 15-39.	0.3	6
40	Growth light provision for indoor greenery: A case study. <i>Energy and Buildings</i> , 2017, 144, 207-217.	3.1	16
41	Effects of spatial scale on assessment of spatial equity of urban park provision. <i>Landscape and Urban Planning</i> , 2017, 158, 139-154.	3.4	161
42	A conceptual framework for studying urban green spaces effects on health. <i>Journal of Urban Ecology</i> , 2017, 3, .	0.6	43
43	Imperatives for Greening Cities: A Historical Perspective. <i>Advances in 21st Century Human Settlements</i> , 2017, , 41-70.	0.3	8
44	BIOGENIC VOLATILE ORGANIC COMPOUNDS (BVOCs) EMISSIONS BY SELECTED STREET TREES IN SINGAPORE. , 2017, , 129-158.		0
45	THE CHALLENGES OF URBAN FOREST DEVELOPMENT: A CASE STUDY OF URBAN FOREST IN JAKARTA, INDONESIA. , 2017, , 443-468.		0
46	Greening Singapore: Past Achievements, Emerging Challenges. , 2016, , 177-195.		3
47	Stability of containerized urban street trees. <i>Landscape and Ecological Engineering</i> , 2016, 12, 13-24.	0.7	11
48	Photosynthetically active radiation and comparison of methods for its estimation in equatorial Singapore. <i>Theoretical and Applied Climatology</i> , 2016, 123, 873-883.	1.3	8
49	Deforestation in a tropical compact city part a: understanding its socio-ecological impacts. <i>Smart and Sustainable Built Environment</i> , 2016, 5, .	2.2	13
50	Managing deforestation in a tropical compact city part b: urban ecological approaches to landscape design. <i>Smart and Sustainable Built Environment</i> , 2016, 5, .	2.2	8
51	The effects of urban forms on photosynthetically active radiation and urban greenery in a compact city. <i>Urban Ecosystems</i> , 2015, 18, 937-961.	1.1	14
52	ENVIRONMENTAL AND CLIMATE CHANGES IN ASIA: LESSONS IN HISTORY AND GAME CHANGERS IN ECONOMICS, POLITICS AND SCIENTIFIC RESEARCH. , 2015, , xxxiii-xlvi.		0
53	Impact of plant evapotranspiration rate and shrub albedo on temperature reduction in the tropical outdoor environment. <i>Building and Environment</i> , 2015, 94, 206-217.	3.0	64
54	Urban ecological research in Singapore and its relevance to the advancement of urban ecology and sustainability. <i>Landscape and Urban Planning</i> , 2014, 125, 271-289.	3.4	51

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55	Perspectives on narrowing the action gap between landscape science and metropolitan governance: Practice in the US and China. <i>Landscape and Urban Planning</i> , 2014, 125, 329-334.	3.4	18
56	Understanding the stability of Samanea saman trees through tree pulling, analytical calculations and numerical models. <i>Urban Forestry and Urban Greening</i> , 2014, 13, 355-364.	2.3	27
57	Building shade affects light environment and urban greenery in high-density residential estates in Singapore. <i>Urban Forestry and Urban Greening</i> , 2014, 13, 771-784.	2.3	18
58	Perspectives on five decades of the urban greening of Singapore. <i>Cities</i> , 2013, 32, 24-32.	2.7	214
59	Field instrumentation for monitoring of water, heat, and gas transfers through unsaturated soils. <i>Engineering Geology</i> , 2012, 151, 24-36.	2.9	10
60	Tropical Street Trees and Climate Uncertainty in Southeast Asia. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2011, 46, 167-172.	0.5	12
61	The Ultimate for Skyrise Greening: Buildings Like Trees, Cities Like Gardens. <i>CITYGREEN Nature & Health in Cities</i> , 2011, 01, 98.	0.0	0
62	Thermal evaluation of vertical greenery systems for building walls. <i>Building and Environment</i> , 2010, 45, 663-672.	3.0	436
63	Tree-pulling experiment: an analysis into the mechanical stability of rain trees. <i>Trees - Structure and Function</i> , 2010, 24, 1007-1015.	0.9	15
64	Acoustics evaluation of vertical greenery systems for building walls. <i>Building and Environment</i> , 2010, 45, 411-420.	3.0	186
65	Perception Studies of Vertical Greenery Systems in Singapore. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2010, 136, 330-338.	0.8	82
66	Energy simulation of vertical greenery systems. <i>Energy and Buildings</i> , 2009, 41, 1401-1408.	3.1	198
67	Tree stability in an improved soil to withstand wind loading. <i>Urban Forestry and Urban Greening</i> , 2009, 8, 237-247.	2.3	37
68	Study of thermal performance of extensive rooftop greenery systems in the tropical climate. <i>Building and Environment</i> , 2007, 42, 25-54.	3.0	184
69	Physiological responses of <i>Catharanthus roseus</i> (periwinkle) to ash yellows phytoplasmal infection. <i>New Phytologist</i> , 2001, 150, 757-769.	3.5	36
70	Plant Water Status and Fruit Quality in 'Braeburn' Apples. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1994, 29, 1274-1278.	0.5	40
71	Assessment of Green Spatial Equity in Singapore's Urbanity. , 0, , .		0
72	The role of urban nature experiences in sustainable consumption: a transboundary urban ecosystem service. <i>Environment, Development and Sustainability</i> , 0, , 1.	2.7	6