Robert D Brown

List of Publications by Year
in descending order

94 papers	3,082 citations	159525 30 h-index	182361 51 g-index
94 all docs	94 docs citations	94 times ranked	2276 citing authors

#	Article	IF	Citations
1	Modeling the Effects of Land Use Change on the Water Temperature in Unregulated Urban Streams. Journal of Environmental Management, 1997, 49, 445-469.	3.8	194
2	Designing urban parks that ameliorate the effects of climate change. Landscape and Urban Planning, 2015, 138, 118-131.	3.4	170
3	Enhancing visual preference of ecological rehabilitation sites. Landscape and Urban Planning, 2002, 58, 57-70.	3.4	137
4	Effects of recreational use impacts on hiking experiences in natural areas. Landscape and Urban Planning, 2003, 64, 77-87.	3.4	131
5	Urban heat island (UHI) intensity and magnitude estimations: A systematic literature review. Science of the Total Environment, 2021, 779, 146389.	3.9	129
6	Estimating outdoor thermal comfort using a cylindrical radiation thermometer and an energy budget model. International Journal of Biometeorology, 1986, 30, 43-52.	1.3	121
7	Part A: Assessing the performance of the COMFA outdoor thermal comfort model on subjects performing physical activity. International Journal of Biometeorology, 2009, 53, 415-428.	1.3	92
8	Modelling Rural Residential Settlement Patterns with Cellular Automata. Journal of Environmental Management, 1993, 37, 147-160.	3.8	76
9	The influence of climate on the effectiveness of low impact development: A systematic review. Journal of Environmental Management, 2019, 236, 365-379.	3.8	76
10	An ecological framework for the planning, design and management of urban river greenways. Landscape and Urban Planning, 1995, 33, 211-225.	3.4	75
11	Evidence-based landscape architecture: The maturing of a profession. Landscape and Urban Planning, 2011, 100, 327-329.	3.4	74
12	Effect of tree cover and tree species on microclimate and pedestrian comfort in a residential district in Iran. Building and Environment, 2020, 178, 106899.	3.0	70
13	Part B: Revisions to the COMFA outdoor thermal comfort model for application to subjects performing physical activity. International Journal of Biometeorology, 2009, 53, 429-441.	1.3	65
14	Urban heat island (UHI) variations within a city boundary: A systematic literature review. Renewable and Sustainable Energy Reviews, 2021, 148, 111256.	8.2	61
15	The relationship between research and design in landscape architecture. Landscape and Urban Planning, 2003, 64, 47-66.	3.4	59
16	The cooling effect of paddy fields on summertime air temperature in residential Tokyo, Japan. Landscape and Urban Planning, 2001, 53, 17-27.	3.4	56
17	Visual preference and ecological assessments for designed alternative brownfield rehabilitations. Journal of Environmental Management, 2008, 89, 257-269.	3.8	54
18	Ameliorating the effects of climate change: Modifying microclimates through design. Landscape and Urban Planning, 2011, 100, 372-374.	3.4	53

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19	Human Energy Budget Modeling in Urban Parks in Toronto and Applications to Emergency Heat Stress Preparedness. Journal of Applied Meteorology and Climatology, 2012, 51, 1639-1653.	0.6	53
20	Thermal comfort of outdoor spaces in Lahore, Pakistan: Lessons for bioclimatic urban design in the context of global climate change. Landscape and Urban Planning, 2015, 138, 110-117.	3.4	52
21	Effects of paddy fields on summertime air and surface temperatures in urban fringe areas of Tokyo, Japan. Landscape and Urban Planning, 1997, 38, 1-11.	3.4	50
22	Planning for spectator thermal comfort and health in the face of extreme heat: The Tokyo 2020 Olympic marathons. Science of the Total Environment, 2019, 657, 904-917.	3.9	50
23	Estimating the radiation absorbed by a human. International Journal of Biometeorology, 2008, 52, 491-503.	1.3	47
24	Climate-responsive landscape architecture design education. Journal of Cleaner Production, 2013, 61, 89-99.	4.6	46
25	How does increasing impervious surfaces affect urban flooding in response to climate variability?. Ecological Indicators, 2020, 118, 106774.	2.6	42
26	The relationship between neighbourhood tree canopy cover and heat-related ambulance calls during extreme heat events in Toronto, Canada. Urban Forestry and Urban Greening, 2016, 20, 180-186.	2.3	40
27	Designing public open space to support seismic resilience: A systematic review. International Journal of Disaster Risk Reduction, 2019, 34, 1-10.	1.8	39
28	A framework for the conservation of rural ecological landscapes in the urban fringe area in Japan. Landscape and Urban Planning, 1994, 29, 103-116.	3.4	38
29	Evaluation of planning policy for protecting green infrastructure from loss and degradation due to residential encroachment. Land Use Policy, 2015, 47, 459-467.	2.5	36
30	Awareness of urban climate adaptation strategies â€“an international overview. Urban Climate, 2020, 34, 100705.	2.4	33
31	Long-Term Space Nutrition: A Scoping Review. Nutrients, 2022, 14, 194.	1.7	33
32	Improved methods for estimating mean radiant temperature in hot and sunny outdoor settings. International Journal of Biometeorology, 2021, 65, 967-983.	1.3	31
33	Modeling the relationships between historical redlining, urban heat, and heat-related emergency department visits: An examination of 11 Texas cities. Environment and Planning B: Urban Analytics and City Science, 2022, 49, 933-952.	1.0	31
34	Post-positivist microclimatic urban design research: A review. Landscape and Urban Planning, 2016, 153, 111-121.	3.4	30
35	Approaches for identifying heat-vulnerable populations and locations: A systematic review. Science of the Total Environment, 2021, 799, 149417.	3.9	29
36	Microclimate Variation and Estimated Heat Stress of Runners in the 2020 Tokyo Olympic Marathon. Atmosphere, 2018, 9, 192.	1.0	28

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37	Integration and visualization of the ecological value of rural landscapes in maintaining the physical environment of Japan. Landscape and Urban Planning, 1997, 39, 69-82.	3.4	27
38	Pedestrians' behavior based on outdoor thermal comfort and micro-scale thermal environments, Austin, TX. Science of the Total Environment, 2022, 808, 152143.	3.9	27
39	Effects of street orientation and tree species thermal comfort within urban canyons in a hot, dry climate. Ecological Informatics, 2022, 69, 101671.	2.3	27
40	The Effect of Viewing a Landscape on Physiological Health of Elderly Women. Journal of Housing for the Elderly, 2006, 19, 187-202.	0.7	26
41	Exploring the suitable assessment method and best performance of human energy budget models for outdoor thermal comfort in hot and humid climate area. Sustainable Cities and Society, 2020, 63, 102423.	5.1	25
42	An in-depth analysis of the effect of trees on human energy fluxes. Urban Forestry and Urban Greening, 2020, 50, 126646.	2.3	25
43	The effect of extremely low sky view factor on land surface temperatures in urban residential areas. Sustainable Cities and Society, 2022, 80, 103799.	5.1	25
44	An energy budget model for estimating the thermal comfort of children. International Journal of Biometeorology, 2020, 64, 1355-1366.	1.3	24
45	Effect of Landscape Microclimates on Thermal Comfort and Physiological Wellbeing. Sustainability, 2019, 11, 5387.	1.6	23
46	Surface Urban Heat Island Assessment of a Cold Desert City: A Case Study over the Isfahan Metropolitan Area of Iran. Atmosphere, 2021, 12, 1368.	1.0	23
47	A landscape ecological model for wildlife enhancement of stormwater management practices in urban greenways. Landscape and Urban Planning, 1995, 33, 227-246.	3.4	22
48	Urban heat islands as agricultural opportunities: An innovative approach. Landscape and Urban Planning, 2017, 161, 103-114.	3.4	22
49	Assessing academic contributions in landscape architecture. Landscape and Urban Planning, 2003, 64, 119-129.	3.4	21
50	A Framework for Landscape Ecological Design of New Patches in the Rural Landscape. Environmental Management, 2004, 34, 461-473.	1.2	21
51	A multilevel approach for assessing the effects of microclimatic urban design on pedestrian thermal comfort: The High Line in New York. Building and Environment, 2021, 205, 108244.	3.0	20
52	A framework for incorporating the prevention of Lyme disease transmission into the landscape planning and design process. Landscape and Urban Planning, 2004, 66, 91-106.	3.4	18
53	Urban climate awareness and urgency to adapt: An international overview. Urban Climate, 2020, 33, 100667.	2.4	18
54	Evidence-Based Landscape Architecture for Human Health and Well-Being. Sustainability, 2020, 12, 1360.	1.6	18

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55	â€œâ€¦ Research on researchâ€: research attitudes and behaviors of landscape architecture faculty in North America. Landscape and Urban Planning, 2001, 57, 57-67.	3.4	17
56	Radiation absorbed by a vertical cylinder in complex outdoor environments under clear sky conditions. International Journal of Biometeorology, 1990, 34, 69-75.	1.3	15
57	â€˜â€¦ Silver in the Stars and Gold in the Morning Sunâ€™: Non-farm Rural Landowners' Motivations for Rural Living and Attachment to their Land. Landscape Research, 2010, 35, 27-46.	0.7	14
58	Barriers to the effective planning and management of residential encroachment within urban forest edges: A Southern Ontario, Canada case study. Urban Forestry and Urban Greening, 2014, 13, 48-62.	2.3	14
59	Research productivity and utilization in landscape architecture. Landscape and Urban Planning, 2016, 147, 71-77.	3.4	14
60	Integrating Microclimate into Landscape Architecture for Outdoor Thermal Comfort: A Systematic Review. Land, 2021, 10, 196.	1.2	14
61	Effects of summer microclimates on behavior of lions and tigers in zoos. International Journal of Biometeorology, 2013, 57, 381-390.	1.3	12
62	The housing-forest interface: Testing structural approaches for protecting suburban natural systems following development. Urban Forestry and Urban Greening, 2010, 9, 149-159.	2.3	11
63	The role of outdoor microclimatic features at long-term care facilities in advancing the health of its residents: An integrative review and future strategies. Environmental Research, 2021, 201, 111583.	3.7	11
64	Correcting the Error in Measuring Radiation Received by a Person: Introducing Cylindrical Radiometers. Sensors, 2019, 19, 5085.	2.1	10
65	A Comprehensive Model for Estimating Heat Vulnerability of Young Athletes. International Journal of Environmental Research and Public Health, 2020, 17, 6156.	1.2	10
66	Outdoor Thermal Comfort during Anomalous Heat at the 2015 Pan American Games in Toronto, Canada. Atmosphere, 2018, 9, 321.	1.0	9
67	Ameliorating cold stress in a hot climate: Effect of Winter Storm Uri on residents of subsidized housing neighborhoods. Building and Environment, 2022, 209, 108646.	3.0	9
68	Improving Outdoor Thermal Comfort in a Steppe Climate: Effect of Water and Trees in an Urban Park. Land, 2022, 11, 431.	1.2	9
69	Student learning styles in landscape architecture education. Landscape and Urban Planning, 1994, 30, 151-157.	3.4	8
70	Form and structure of maple trees in urban environments. Landscape and Urban Planning, 2000, 46, 191-201.	3.4	8
71	Measuring facial cooling in outdoor windy winter conditions: an exploratory study. International Journal of Biometeorology, 2017, 61, 1831-1835.	1.3	8
72	Modeling the Effects of Urban Design on Emergency Medical Response Calls during Extreme Heat Events in Toronto, Canada. International Journal of Environmental Research and Public Health, 2017, 14, 778.	1.2	8

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73	Reducing the Incidence of Skin Cancer through Landscape Architecture Design Education. Sustainability, 2020, 12, 9402.	1.6	7
74	Estimating crop top microclimates from weather station data. Atmosphere - Ocean, 1991, 29, 110-132.	0.6	6
75	Core Knowledge Domains of Landscape Architecture. Landscape Journal, 2018, 37, 9-21.	0.2	6
76	Face Temperature as an Indicator of Thermal Stress in Outdoor Work Environments. Atmosphere, 2020, 11, 627.	1.0	6
77	Assessing the Degradation Effects of Local Residents on Urban Forests in Ontario, Canada. Arboriculture and Urban Forestry, 2010, 36, 253-260.	0.2	6
78	Effectiveness of Boundary Structures in Limiting Residential Encroachment into Urban Forests. Landscape Research, 2012, 37, 301-325.	0.7	5
79	Estimation of Individual Exposure to Erythemal Weighted UVR by Multi-Sensor Measurements and Integral Calculation. Sensors, 2020, 20, 4068.	2.1	5
80	Effects of Urban Landscape and Sociodemographic Characteristics on Heat-Related Health Using Emergency Medical Service Incidents. International Journal of Environmental Research and Public Health, 2022, 19, 1287.	1.2	5
81	Behavioral repertoire assessment of Bengal tigers (Panthera tigris) with focus on thermoregulatory behavior. International Journal of Biometeorology, 2019, 63, 1369-1379.	1.3	4
82	The application of a pedagogical framework to the design of university courses. Landscape and Urban Planning, 1994, 30, 159-168.	3.4	3
83	Design guidelines for integrating amphibian habitat into golf course landscapes. Landscape and Urban Planning, 2011, 103, 156-165.	3.4	3
84	Evaluation of planning and management approaches for limiting residential encroachment impacts within forest edges: A Southern Ontario case study. Urban Ecosystems, 2012, 15, 753-772.	1.1	3
85	Urban Networks, Micro-agriculture, and Community Food Security. Circular Economy and Sustainability, 2021, , 1-13.	3.3	3
86	A model for estimating radiation received by a person in the landscape. Landscape Research, 1990, 15, 33-36.	0.7	2
87	Assessing UVB Radiation Received by School Children in Mid-Latitude Ontario, Canada. Children, Youth and Environments, 2018, 28, 30.	0.1	2
88	AN EVALUATION OF THE SOLAR RADIANT ENVIRONMENT IN THE SHADE OF DECIDUOUS TREES. Arboricultural Journal, 1994, 18, 193-204.	0.3	1
89	Sustainability of wilderness sea kayaking in the Bay of Fundy, Canada. Ocean and Coastal Management, 2003, 46, 189-197.	2.0	1
90	Urban Design and City Microclimates. Atmosphere, 2018, 9, 448.	1.0	0

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91	Assessing U.S. Landscape Architecture Faculty Research Contribution. Land, 2020, 9, 64.	1.2	0
92	In memoriam of Professor Terry Gillespie. International Journal of Biometeorology, 2021, 65, 985-987.	1.3	0
93	Microclimatic Landscape Architecture: From Theory to Application. Urban Science, 2022, 6, 9.	1.1	0
94	Estimating Terrestrial Radiation for Human Thermal Comfort in Outdoor Urban Space. Atmosphere, 2021, 12, 1701.	1.0	0