

Wei Pan

List of Publications by Year in descending order

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Version: 2024-02-01

143
papers

6,511
citations

57758

44
h-index

79698

73
g-index

143
all docs

143
docs citations

143
times ranked

5162
citing authors

#	ARTICLE	IF	CITATIONS
1	Recalculation of the Critical Values for Lawsheâ€™s Content Validity Ratio. Measurement and Evaluation in Counseling and Development, 2012, 45, 197-210.	2.3	369
2	Perspectives of UK housebuilders on the use of offsite modern methods of construction. Construction Management and Economics, 2007, 25, 183-194.	3.0	260
3	A comprehensive review of effect size reporting and interpreting practices in academic journals in education and psychology.. Journal of Educational Psychology, 2010, 102, 989-1004.	2.9	243
4	Major Barriers to Off-Site Construction: The Developerâ€™s Perspective in China. Journal of Management in Engineering - ASCE, 2015, 31, .	4.8	239
5	A decade's debate on the nexus between corporate social and corporate financial performance: a critical review of empirical studies 2002â€“2011. Journal of Cleaner Production, 2014, 79, 195-206.	9.3	198
6	Mixed Neural Network Approach for Temporal Sleep Stage Classification. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 324-333.	4.9	192
7	Strategies for Integrating the Use of Off-Site Production Technologies in House Building. Journal of Construction Engineering and Management - ASCE, 2012, 138, 1331-1340.	3.8	182
8	Leading UK housebuilders' utilization of offsite construction methods. Building Research and Information, 2008, 36, 56-67.	3.9	158
9	Reducing building life cycle carbon emissions through prefabrication: Evidence from and gaps in empirical studies. Building and Environment, 2018, 132, 125-136.	6.9	142
10	Can group interventions facilitate forgiveness of an ex-spouse? A randomized clinical trial.. Journal of Consulting and Clinical Psychology, 2005, 73, 880-892.	2.0	124
11	Demystifying the cost barriers to offsite construction in the UK. Construction Management and Economics, 2011, 29, 1081-1099.	3.0	123
12	A framework of indicators for assessing construction automation and robotics in the sustainability context. Journal of Cleaner Production, 2018, 182, 82-95.	9.3	118
13	Data driven discovery of cyber physical systems. Nature Communications, 2019, 10, 4894.	12.8	118
14	Establishing and Weighting Decision Criteria for Building System Selection in Housing Construction. Journal of Construction Engineering and Management - ASCE, 2012, 138, 1239-1250.	3.8	117
15	Searching for an optimal level of prefabrication in construction: An analytical framework. Journal of Cleaner Production, 2018, 201, 236-245.	9.3	108
16	Factors influencing diabetes selfâ€™management in Chinese people with type 2 diabetes. Research in Nursing and Health, 2008, 31, 613-625.	1.6	104
17	Relationships between air-tightness and its influencing factors of post-2006 new-build dwellings in the UK. Building and Environment, 2010, 45, 2387-2399.	6.9	98
18	System boundaries of zero carbon buildings. Renewable and Sustainable Energy Reviews, 2014, 37, 424-434.	16.4	98

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19	A virtual reality integrated design approach to improving occupancy information integrity for closing the building energy performance gap. <i>Sustainable Cities and Society</i> , 2016, 27, 275-286.	10.4	93
20	House-Building Business Models and Off-Site Construction Take-Up. <i>Journal of Architectural Engineering</i> , 2012, 18, 84-93.	1.6	92
21	Fatigue and recovery in 12-hour dayshift hospital nurses. <i>Journal of Nursing Management</i> , 2014, 22, 593-603.	3.4	82
22	Identifying informative energy data in Bayesian calibration of building energy models. <i>Energy and Buildings</i> , 2016, 119, 363-376.	6.7	82
23	Assessing the effectiveness of a 3â€ instructional game on improving mathematics achievement and motivation of middle school students. <i>British Journal of Educational Technology</i> , 2012, 43, 993-1003.	6.3	79
24	Compliance with building energy regulations for new-build dwellings. <i>Energy</i> , 2012, 48, 11-22.	8.8	78
25	Rethinking system boundaries of the life cycle carbon emissions of buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 90, 379-390.	16.4	72
26	Numerically Modeling Stochastic Lie Transport in Fluid Dynamics. <i>Multiscale Modeling and Simulation</i> , 2019, 17, 192-232.	1.6	65
27	Determinants of Adoption of Robotics in Precast Concrete Production for Buildings. <i>Journal of Management in Engineering - ASCE</i> , 2019, 35, .	4.8	63
28	PESTEL Analysis of Construction Productivity Enhancement Strategies: A Case Study of Three Economies. <i>Journal of Management in Engineering - ASCE</i> , 2019, 35, .	4.8	63
29	Systematic embodied carbon assessment and reduction of prefabricated high-rise public residential buildings in Hong Kong. <i>Journal of Cleaner Production</i> , 2019, 238, 117791.	9.3	62
30	Zero carbon homes: Perceptions from the UK construction industry. <i>Energy Policy</i> , 2015, 79, 23-36.	8.8	60
31	School-Based Health Centers: Costâ€Benefit Analysis and Impact on Health Care Disparities. <i>American Journal of Public Health</i> , 2010, 100, 1617-1623.	2.7	59
32	â€Co-evolution through interactionâ€™ of innovative building technologies: The case of modular integrated construction and robotics. <i>Automation in Construction</i> , 2019, 107, 102932.	9.8	59
33	Family Protection and Prevention of Alcohol Use Among Hispanic Youth at High Risk. <i>American Journal of Community Psychology</i> , 2005, 36, 195-205.	2.5	55
34	Forty-Year Trends in Tooth Loss Among American Adults With and Without Diabetes Mellitus: An Age-Period-Cohort Analysis. <i>Preventing Chronic Disease</i> , 2015, 12, E211.	3.4	55
35	Negative affect and anger rumination as mediators between forgiveness and sleep quality. <i>Journal of Behavioral Medicine</i> , 2008, 31, 478-488.	2.1	53
36	A Multivariate Approach to a Meta-Analytic Review of the Effectiveness of the D.A.R.E. Program. <i>International Journal of Environmental Research and Public Health</i> , 2009, 6, 267-277.	2.6	53

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37	A BIM-GIS Integrated Web-based Visualization System for Low Energy Building Design. <i>Procedia Engineering</i> , 2015, 121, 2184-2192.	1.2	53
38	Self-management practices of Chinese Americans with type 2 diabetes. <i>Australian Journal of Cancer Nursing</i> , 2010, 12, 228-234.	1.6	52
39	Flexural behavior of basalt textile-reinforced concrete. <i>Construction and Building Materials</i> , 2018, 183, 7-21.	7.2	52
40	Actor-Critic Reinforcement Learning for Control With Stability Guarantee. <i>IEEE Robotics and Automation Letters</i> , 2020, 5, 6217-6224.	5.1	52
41	Zero-Sum Game-Based Optimal Secure Control Under Actuator Attacks. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 3773-3780.	5.7	50
42	A dialectical system framework of zero carbon emission building policy for high-rise high-density cities: Perspectives from Hong Kong. <i>Journal of Cleaner Production</i> , 2018, 205, 1-13.	9.3	49
43	Estimating and minimizing embodied carbon of prefabricated high-rise residential buildings considering parameter, scenario and model uncertainties. <i>Building and Environment</i> , 2020, 180, 106951.	6.9	48
44	A socio-technical framework of zero-carbon building policies. <i>Building Research and Information</i> , 2015, 43, 94-110.	3.9	47
45	Physiological and behavioural response patterns at work among hospital nurses. <i>Journal of Nursing Management</i> , 2011, 19, 57-68.	3.4	46
46	Building regulations in energy efficiency: Compliance in England and Wales. <i>Energy Policy</i> , 2012, 45, 594-605.	8.8	46
47	Aptitude-treatment interaction effects on explicit rule learning: A latent growth curve analysis. <i>Language Teaching Research</i> , 2014, 18, 294-319.	4.0	43
48	Adaptation and Testing of Instruments to Measure Diabetes Self-Management in People With Type 2 Diabetes in Mainland China. <i>Journal of Transcultural Nursing</i> , 2008, 19, 234-242.	1.3	41
49	Structuring the context for construction robot development through integrated scenario approach. <i>Automation in Construction</i> , 2020, 114, 103174.	9.8	41
50	The relationship between the quality of active frontages and public perceptions of public spaces. <i>Urban Design International</i> , 2014, 19, 92-102.	2.8	39
51	Life cycle energy of high-rise office buildings in Hong Kong. <i>Energy and Buildings</i> , 2018, 167, 152-164.	6.7	38
52	A systemic exploration of drivers for and constraints on construction productivity enhancement. <i>Built Environment Project and Asset Management</i> , 2018, 8, 239-252.	1.6	38
53	Influencing factors of the future utilisation of construction robots for buildings: A Hong Kong perspective. <i>Journal of Building Engineering</i> , 2020, 30, 101220.	3.4	38
54	Understanding the Determinants of Construction Robot Adoption: Perspective of Building Contractors. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020, 146, .	3.8	37

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55	Clusters and exemplars of buildings towards zero carbon. <i>Building and Environment</i> , 2016, 104, 92-101.	6.9	36
56	Improving accuracy in building energy simulation via evaluating occupant behaviors: A case study in Hong Kong. <i>Energy and Buildings</i> , 2019, 202, 109373.	6.7	36
57	Energy use of subtropical high-rise public residential buildings and impacts of energy saving measures. <i>Journal of Cleaner Production</i> , 2020, 254, 120041.	9.3	36
58	High-rise modular buildings with innovative precast concrete shear walls as a lateral force resisting system. <i>Structures</i> , 2020, 26, 39-53.	3.6	36
59	A systematic review of the integration of building information modeling into life cycle assessment. <i>Building and Environment</i> , 2022, 221, 109260.	6.9	35
60	AHP-ANPâ€Fuzzy Integral Integrated Network for Evaluating Performance of Innovative Business Models for Sustainable Building. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017, 143, .	3.8	34
61	Disentangling the relationships between business model innovation for low or zero carbon buildings and its influencing factors using structural equation modelling. <i>Journal of Cleaner Production</i> , 2018, 178, 154-165.	9.3	33
62	Business model innovation for delivering zero carbon buildings. <i>Sustainable Cities and Society</i> , 2016, 27, 253-262.	10.4	32
63	Lift planning and optimization in construction: A thirty-year review. <i>Automation in Construction</i> , 2020, 118, 103271.	9.8	32
64	Proactive telephone counseling as an adjunct to minimal intervention for smoking cessation: a meta-analysis. <i>Health Education Research</i> , 2006, 21, 416-427.	1.9	31
65	Linking research and teaching: context, conflict and complementarity. <i>Innovations in Education and Teaching International</i> , 2014, 51, 3-14.	2.5	30
66	Challenges for energy and carbon modeling of high-rise buildings: The case of public housing in Hong Kong. <i>Resources, Conservation and Recycling</i> , 2017, 123, 208-218.	10.8	30
67	Flexural Behaviour of Carbon Textile-Reinforced Concrete with Prestress and Steel Fibres. <i>Polymers</i> , 2018, 10, 98.	4.5	29
68	Multiple influencing factors analysis of household energy consumption in high-rise residential buildings: Evidence from Hong Kong. <i>Building Simulation</i> , 2020, 13, 753-769.	5.6	29
69	Recasts in the L2 classroom: A meta-analytic review. <i>International Journal of Educational Research</i> , 2012, 56, 48-59.	2.2	28
70	Sources of workâ€related acute fatigue in United States hospital nurses. <i>Australian Journal of Cancer Nursing</i> , 2014, 16, 19-25.	1.6	28
71	Dialectics of sustainable building: Evidence from empirical studies 1987â€2013. <i>Building and Environment</i> , 2014, 82, 666-674.	6.9	27
72	In-situ monitoring of occupant behavior in residential buildings â€ a timely review. <i>Energy and Buildings</i> , 2020, 212, 109811.	6.7	27

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73	Diabetes Learning in Virtual Environments. <i>Nursing Research</i> , 2015, 64, 485-493.	1.7	26
74	Defects and Their Influencing Factors of Posthandover New-Build Homes. <i>Journal of Performance of Constructed Facilities</i> , 2015, 29, .	2.0	26
75	Modelling uncertainty using stochastic transport noise in a 2-layer quasi-geostrophic model. , 2020, 2, 173-205.		26
76	An examination of the process of relapse prevention therapy designed to aid smoking cessation. <i>Addictive Behaviors</i> , 2003, 28, 1351-1358.	3.0	25
77	A review of interdependence of sustainable building. <i>Environmental Impact Assessment Review</i> , 2016, 56, 120-127.	9.2	24
78	The dialectics of sustainable building. <i>Habitat International</i> , 2015, 48, 55-64.	5.8	23
79	Secure Control for Cyber-Physical Systems Under Malicious Attacks. <i>IEEE Transactions on Control of Network Systems</i> , 2022, 9, 775-788.	3.7	23
80	Artificial Intelligence and Robotics for Prefabricated and Modular Construction: A Systematic Literature Review. <i>Journal of Construction Engineering and Management - ASCE</i> , 2022, 148, .	3.8	23
81	Structural design of high-rise buildings using steel-framed modules: A case study in Hong Kong. <i>Structural Design of Tall and Special Buildings</i> , 2020, 29, e1788.	1.9	22
82	Data Assimilation for a Quasi-Geostrophic Model with Circulation-Preserving Stochastic Transport Noise. <i>Journal of Statistical Physics</i> , 2020, 179, 1186-1221.	1.2	22
83	Rethinking Observed Power. <i>Methodology</i> , 2011, 7, 81-87.	1.1	22
84	Model-Reference Reinforcement Learning for Collision-Free Tracking Control of Autonomous Surface Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 8770-8781.	8.0	21
85	Propensity score interval matching: using bootstrap confidence intervals for accommodating estimation errors of propensity scores. <i>BMC Medical Research Methodology</i> , 2015, 15, 53.	3.1	20
86	Implications of Construction Vocational Education and Training for Regional Competitiveness: Case Study of Singapore and Hong Kong. <i>Journal of Management in Engineering - ASCE</i> , 2020, 36, .	4.8	20
87	A Particle Filter for Stochastic Advection by Lie Transport: A Case Study for the Damped and Forced Incompressible Two-Dimensional Euler Equation. <i>SIAM-ASA Journal on Uncertainty Quantification</i> , 2020, 8, 1446-1492.	2.0	20
88	Research-informed teaching from a risk perspective. <i>Teaching in Higher Education</i> , 2013, 18, 570-585.	2.6	19
89	A hybrid coupled wall system with replaceable steel coupling beams for high-rise modular buildings. <i>Journal of Building Engineering</i> , 2020, 31, 101355.	3.4	19
90	Uniaxial Tensile Behavior of Carbon Textile Reinforced Mortar. <i>Materials</i> , 2019, 12, 374.	2.9	18

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91	Opportunities and risks of implementing zero-carbon building policy for cities: Hong Kong case. Applied Energy, 2019, 256, 113835.	10.1	17
92	Learning-Based Multi-Robot Formation Control With Obstacle Avoidance. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11811-11822.	8.0	17
93	Maintenance performance evaluation of offsite and <i>in situ</i> bathrooms. Construction Innovation, 2009, 9, 7-21.	2.7	16
94	Informing Energy-efficient Building Envelope Design Decisions for Hong Kong. Energy Procedia, 2014, 62, 123-131.	1.8	16
95	Diverse occupant behaviors and energy conservation opportunities for university student residences in Hong Kong. Building and Environment, 2021, 195, 107730.	6.9	16
96	A multi-criteria decision framework for the selection of low carbon building measures for office buildings in Hong Kong. International Journal of Energy Sector Management, 2014, 8, 456-476.	2.3	15
97	Rethinking construction productivity theory and practice. Built Environment Project and Asset Management, 2018, 8, 234-238.	1.6	15
98	Knowledge, attitude and practice towards zero carbon buildings: Hong Kong case. Journal of Cleaner Production, 2020, 274, 122819.	9.3	15
99	A "demand-supply-regulation-institution" stakeholder partnership model of delivering zero carbon buildings. Sustainable Cities and Society, 2020, 62, 102359.	10.4	15
100	Maintenance cost implications of utilizing bathroom modules manufactured offsite. Construction Management and Economics, 2008, 26, 1067-1077.	3.0	14
101	A Preliminary Exploration of College Smokers' Reactions to Nicotine Dependence Genetic Susceptibility Feedback. Nicotine and Tobacco Research, 2015, 17, 337-343.	2.6	14
102	Self-Care and Mobility Following Postacute Rehabilitation for Older Adults With Hip Fracture: A Multilevel Analysis. Archives of Physical Medicine and Rehabilitation, 2016, 97, 760-771.	0.9	14
103	High-Rise Modular Building: Ten-Year Journey and Future Development. , 2018, , .		14
104	Engineering modular integrated construction for high-rise building: a case study in Hong Kong. Proceedings of the Institution of Civil Engineers: Civil Engineering, 2019, 172, 51-57.	0.3	14
105	Data-driven versus self-similar parameterizations for stochastic advection by Lie transport and location uncertainty. Nonlinear Processes in Geophysics, 2020, 27, 209-234.	1.3	14
106	The Effect of Tailored E-mails in the Workplace. AAOHN Journal, 2009, 57, 267-273.	0.5	14
107	Delivering Zero Carbon Buildings: The Role of Innovative Business Models. Procedia Engineering, 2015, 118, 404-411.	1.2	13
108	Identification of Nonlinear State-Space Systems From Heterogeneous Datasets. IEEE Transactions on Control of Network Systems, 2018, 5, 737-747.	3.7	13

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109	Stochastic mesoscale circulation dynamics in the thermal ocean. <i>Physics of Fluids</i> , 2021, 33, .	4.0	13
110	Fighting Covid-19 through fast delivery of a modular quarantine camp with smart construction. <i>Proceedings of the Institution of Civil Engineers: Civil Engineering</i> , 2021, 174, 89-96.	0.3	13
111	Critical considerations on tower crane layout planning for high-rise modular integrated construction. <i>Engineering, Construction and Architectural Management</i> , 2022, 29, 2615-2634.	3.1	13
112	Challenges for Modeling Energy Use in High-rise Office Buildings in Hong Kong. <i>Procedia Engineering</i> , 2015, 121, 513-520.	1.2	12
113	Propensity Score Methods in Nursing Research. <i>Nursing Research</i> , 2016, 65, 421-424.	1.7	12
114	Briefing: Life-cycle carbon assessment of prefabricated buildings: challenges and solutions. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2019, 172, 3-8.	0.7	12
115	Resampling methods revisited: advancing the understanding and applications in educational research. <i>International Journal of Research and Method in Education</i> , 2008, 31, 45-62.	1.9	11
116	Formulating Systemic Construction Productivity Enhancement Strategies. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020, 146, .	3.8	11
117	Modularisation strategies in the AEC industry: a comparative analysis. <i>Architectural Engineering and Design Management</i> , 2020, 16, 270-292.	1.7	11
118	Strategies for managing innovation in UK housebuilding. <i>Engineering, Construction and Architectural Management</i> , 2010, 17, 78-88.	3.1	10
119	Decision criteria for selecting air source heat pump technology in UK low carbon housing. <i>Technology Analysis and Strategic Management</i> , 2011, 23, 623-637.	3.5	9
120	Preschool children's exposure to story grammar elements during parentâ€œchild book reading. <i>Journal of Research in Reading</i> , 2017, 40, 345-364.	2.0	9
121	Relationship between operational energy and life cycle cost performance of high-rise office buildings. <i>Journal of Cleaner Production</i> , 2020, 262, 121300.	9.3	9
122	Virtual reality (VR) supported lift planning for modular integrated construction (MiC) of high-rise buildings. <i>HKIE Transactions</i> , 2019, 26, 136-143.	0.1	9
123	The Effect of Tailored E-Mails in the Workplace. <i>AAOHN Journal</i> , 2009, 57, 313-319.	0.5	9
124	An approximation to the distribution of the product of two dependent correlation coefficients. <i>Journal of Statistical Computation and Simulation</i> , 2004, 74, 419-443.	1.2	8
125	Investigating the Accuracy of Three Estimation Methods for Regression Discontinuity Design. <i>Journal of Experimental Education</i> , 2013, 81, 1-21.	2.6	8
126	Application of research-informed teaching in the taught-postgraduate education of maritime law. <i>Innovations in Education and Teaching International</i> , 2017, 54, 428-437.	2.5	8

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127	Briefing: Future trends in UK housebuilding. Proceedings of the Institution of Civil Engineers: Municipal Engineer, 2012, 165, 65-67.	0.7	6
128	A methodological review of statistical methods for handling multilevel non-nested longitudinal data in educational research. International Journal of Research and Method in Education, 2014, 37, 285-308.	1.9	6
129	Renal Disease Risk Factors Among Risk Groups Comprised of African American Women With Type 2 Diabetes. The Diabetes Educator, 2015, 41, 569-581.	2.5	6
130	Co-productive interrelations between business model and zero carbon building. Built Environment Project and Asset Management, 2017, 7, 353-365.	1.6	6
131	The characteristics and evolution of business model for green buildings: a bibliometric approach. Engineering, Construction and Architectural Management, 2022, 29, 4241-4266.	3.1	5
132	Evaluating energy saving behavioral interventions through the lens of social practice theory: A case study in Hong Kong. Energy and Buildings, 2021, 251, 111353.	6.7	5
133	Systematic key performance indicators for measuring modular integrated construction. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2022, 175, 113-128.	0.7	5
134	Non-Compliance with Building Energy Regulations: The Profile, Issues, and Implications on Practice and Policy in England and Wales. Journal of Sustainable Development of Energy, Water and Environment Systems, 2013, 1, 340-351.	1.9	4
135	Rethinking lean synergistically in a practice for construction industry improvements. Engineering, Construction and Architectural Management, 2023, 30, 2669-2690.	3.1	4
136	The Philosophical Foundations of Prescriptive Statements and Statistical Inference. Educational Psychology Review, 2011, 23, 207-220.	8.4	3
137	A Framework for Utilizing Automated and Robotic Construction for Sustainable Building. , 2018, , 79-88.		3
138	An innovative crane-lift path planning system for high-rise modular integrated construction. Construction Robotics, 2022, 6, 133-150.	2.2	3
139	Application of a new resampling method to SEM: a comparison of S-SMART with the bootstrap. International Journal of Research and Method in Education, 2016, 39, 194-207.	1.9	2
140	Comparing Life Cycle Assessment Databases for Estimating Carbon Emissions of Prefabricated Buildings. , 2018, , .		2
141	Implications of Prefabrication for the Life Cycle Carbon Emissions of High-Rise Buildings in High-Density Urban Environment. , 2018, , .		2
142	Analysis of Embodied Energy of High-Rise Office Buildings in Hong Kong. , 2018, , .		1
143	Briefing: Bringing clarity and new understanding of smart and modular integrated construction. Proceedings of the Institution of Civil Engineers - Smart Infrastructure and Construction, 2020, 173, 175-179.	1.7	1