

John E Taylor

List of Publications by Year in descending order

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103
papers

4,404
citations

94269

37
h-index

114278

63
g-index

107
all docs

107
docs citations

107
times ranked

3401
citing authors

#	ARTICLE	IF	CITATIONS
1	Forecasting energy consumption of multi-family residential buildings using support vector regression: Investigating the impact of temporal and spatial monitoring granularity on performance accuracy. <i>Applied Energy</i> , 2014, 123, 168-178.	5.1	467
2	Response-relapse patterns of building occupant electricity consumption following exposure to personal, contextualized and occupant peer network utilization data. <i>Energy and Buildings</i> , 2010, 42, 1329-1336.	3.1	184
3	Smart City Digital Twin-Enabled Energy Management: Toward Real-Time Urban Building Energy Benchmarking. <i>Journal of Management in Engineering - ASCE</i> , 2020, 36, .	2.6	159
4	Paradigm Trajectories of Building Information Modeling Practice in Project Networks. <i>Journal of Management in Engineering - ASCE</i> , 2009, 25, 69-76.	2.6	142
5	Assessing eco-feedback interface usage and design to drive energy efficiency in buildings. <i>Energy and Buildings</i> , 2012, 48, 8-17.	3.1	133
6	Smart city digital twins. , 2017, , .		123
7	Patterns and Limitations of Urban Human Mobility Resilience under the Influence of Multiple Types of Natural Disaster. <i>PLoS ONE</i> , 2016, 11, e0147299.	1.1	117
8	Modeling building occupant network energy consumption decision-making: The interplay between network structure and conservation. <i>Energy and Buildings</i> , 2012, 47, 515-524.	3.1	114
9	Emergence and Role of Cultural Boundary Spanners in Global Engineering Project Networks. <i>Journal of Management in Engineering - ASCE</i> , 2010, 26, 123-132.	2.6	110
10	The impact of peer network position on electricity consumption in building occupant networks utilizing energy feedback systems. <i>Energy and Buildings</i> , 2012, 49, 584-590.	3.1	106
11	Can social influence drive energy savings? Detecting the impact of social influence on the energy consumption behavior of networked users exposed to normative eco-feedback. <i>Energy and Buildings</i> , 2013, 66, 119-127.	3.1	96
12	Antecedents of Successful Three-Dimensional Computer-Aided Design Implementation in Design and Construction Networks. <i>Journal of Construction Engineering and Management - ASCE</i> , 2007, 133, 993-1002.	2.0	95
13	Investigating the impact eco-feedback information representation has on building occupant energy consumption behavior and savings. <i>Energy and Buildings</i> , 2013, 64, 408-414.	3.1	95
14	Quantifying Human Mobility Perturbation and Resilience in Hurricane Sandy. <i>PLoS ONE</i> , 2014, 9, e112608.	1.1	95
15	Meeting the Burden of Proof with Case-Study Research. <i>Journal of Construction Engineering and Management - ASCE</i> , 2011, 137, 303-311.	2.0	90
16	Toward mitigating urban heat island effects: Investigating the thermal-energy impact of bio-inspired retro-reflective building envelopes in dense urban settings. <i>Energy and Buildings</i> , 2015, 102, 380-389.	3.1	85
17	Exploring mutual shading and mutual reflection inter-building effects on building energy performance. <i>Applied Energy</i> , 2017, 185, 1556-1564.	5.1	84
18	Networks in engineering: an emerging approach to project organization studies. <i>Engineering Project Organization Journal</i> , 2012, 2, 15-26.	0.6	75

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19	Project Network Interdependency Alignment: New Approach to Assessing Project Effectiveness. Journal of Management in Engineering - ASCE, 2011, 27, 170-178.	2.6	74
20	Effects of real-time eco-feedback and organizational network dynamics on energy efficient behavior in commercial buildings. Energy and Buildings, 2014, 84, 493-500.	3.1	71
21	Occupant perceptions of building information model-based energy visualizations in eco-feedback systems. Applied Energy, 2018, 221, 220-228.	5.1	66
22	Coupling sentiment and human mobility in natural disasters: a Twitter-based study of the 2014 South Napa Earthquake. Natural Hazards, 2018, 92, 907-925.	1.6	66
23	The impact of place-based affiliation networks on energy conservation: An holistic model that integrates the influence of buildings, residents and the neighborhood context. Energy and Buildings, 2012, 55, 637-646.	3.1	63
24	Bibliographic and comparative analyses to explore emerging classic texts in megaproject management. International Journal of Project Management, 2018, 36, 342-361.	2.7	62
25	Exploring Negotiation through Boundary Objects in Global Design Project Networks. Project Management Journal, 2012, 43, 24-39.	2.6	60
26	Expanding Inter-Building Effect modeling to examine primary energy for lighting. Energy and Buildings, 2014, 76, 513-523.	3.1	55
27	Energy Saving Alignment Strategy: Achieving energy efficiency in urban buildings by matching occupant temperature preferences with a building's indoor thermal environment. Applied Energy, 2014, 123, 209-219.	5.1	54
28	Financing renewable energy infrastructure: Formulation, pricing and impact of a carbon revenue bond. Energy Policy, 2012, 45, 691-703.	4.2	51
29	Simulating the Inter-Building Effect on energy consumption from embedding phase change materials in building envelopes. Sustainable Cities and Society, 2016, 27, 287-295.	5.1	50
30	Segmentation and Classification of Commercial Building Occupants by Energy-Use Efficiency and Predictability. IEEE Transactions on Smart Grid, 2015, 6, 1414-1424.	6.2	49
31	Assessing Task Mental Workload in Construction Projects: A Novel Electroencephalography Approach. Journal of Construction Engineering and Management - ASCE, 2017, 143, .	2.0	49
32	Boundary object efficacy: The mediating role of boundary objects on task conflict in global virtual project networks. International Journal of Project Management, 2014, 32, 7-17.	2.7	45
33	Process Map for Urban-Human Mobility and Civil Infrastructure Data Collection Using Geosocial Networking Platforms. Journal of Computing in Civil Engineering, 2016, 30, .	2.5	45
34	Offshore Outsourcing in Global Design Networks. Journal of Management in Engineering - ASCE, 2009, 25, 177-184.	2.6	44
35	Modeling Interfirm Dependency: Game Theoretic Simulation to Examine the Holdup Problem in Project Networks. Journal of Construction Engineering and Management - ASCE, 2011, 137, 284-293.	2.0	43
36	Simulating Learning Dynamics in Project Networks. Journal of Construction Engineering and Management - ASCE, 2009, 135, 1009-1015.	2.0	42

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37	Characteristics and Evolution of Innovative Collaboration Networks in Architecture, Engineering, and Construction: Study of National Prize-Winning Projects in China. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018, 144, .	2.0	41
38	Network synergy effect: Establishing a synergy between building network and peer network energy conservation effects. <i>Energy and Buildings</i> , 2014, 68, 312-320.	3.1	37
39	A review of occupant energy feedback research: Opportunities for methodological fusion at the intersection of experimentation, analytics, surveys and simulation. <i>Applied Energy</i> , 2018, 218, 304-316.	5.1	35
40	DUET: Data-Driven Approach Based on Latent Dirichlet Allocation Topic Modeling. <i>Journal of Computing in Civil Engineering</i> , 2019, 33, .	2.5	34
41	Buckling of HDPE Liners under External Uniform Pressure. <i>Journal of Materials in Civil Engineering</i> , 1999, 11, 353-361.	1.3	33
42	Urban energy flux: Spatiotemporal fluctuations of building energy consumption and human mobility-driven prediction. <i>Applied Energy</i> , 2017, 195, 810-818.	5.1	32
43	Short-term air pollution exposure and COVID-19 infection in the United States. <i>Environmental Pollution</i> , 2022, 292, 118369.	3.7	31
44	Block Configuration Modeling: A novel simulation model to emulate building occupant peer networks and their impact on building energy consumption. <i>Applied Energy</i> , 2013, 105, 358-368.	5.1	30
45	Dual Impact of Cultural and Linguistic Diversity on Project Network Performance. <i>Journal of Management in Engineering - ASCE</i> , 2011, 27, 179-187.	2.6	27
46	Precursors to engaged leaders in virtual project teams. <i>International Journal of Project Management</i> , 2015, 33, 395-405.	2.7	25
47	Special Issue on Computational Approaches to Understand and Reduce Energy Consumption in the Built Environment. <i>Journal of Computing in Civil Engineering</i> , 2014, 28, 1-1.	2.5	23
48	One size does not fit all: Establishing the need for targeted eco-feedback. <i>Applied Energy</i> , 2016, 184, 523-530.	5.1	23
49	Measuring Resilience of Human-Spatial Systems to Disasters: Framework Combining Spatial-Network Analysis and Fisher Information. <i>Journal of Management in Engineering - ASCE</i> , 2020, 36, .	2.6	23
50	Occupant workstation level energy-use prediction in commercial buildings: Developing and assessing a new method to enable targeted energy efficiency programs. <i>Energy and Buildings</i> , 2016, 127, 1133-1145.	3.1	22
51	Geospatial analysis of Oklahoma (USA) earthquakes (2011-2016): Quantifying the limits of regional-scale earthquake mitigation measures. <i>Geology</i> , 2018, 46, 215-218.	2.0	22
52	Innovation and learning performance implications of free revealing and knowledge brokering in competing communities: insights from the Netflix Prize challenge. <i>Computational and Mathematical Organization Theory</i> , 2013, 19, 42-77.	1.5	21
53	Quantifying the Impact of Facilitation on Transactive Memory System Formation in Global Virtual Project Networks. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013, 139, 294-303.	2.0	20
54	Understanding citizen perspectives on open urban energy data through the development and testing of a community energy feedback system. <i>Applied Energy</i> , 2019, 256, 113804.	5.1	20

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55	Aggregated responses of human mobility to severe winter storms: An empirical study. PLoS ONE, 2017, 12, e0188734.	1.1	19
56	The impact of combined water and energy consumption eco-feedback on conservation. Energy and Buildings, 2014, 80, 114-119.	3.1	18
57	Introduction to the Special Issue on Research Methodologies in Construction Engineering and Management. Journal of Construction Engineering and Management - ASCE, 2010, 136, 1-2.	2.0	17
58	A bridge too far: examining the impact of facilitators on information transfer in global virtual project networks. Engineering Project Organization Journal, 2012, 2, 188-201.	0.6	17
59	Resilience of Human Mobility Under the Influence of Typhoons. Procedia Engineering, 2015, 118, 942-949.	1.2	16
60	The effects of organizational divisions on knowledge-sharing networks in multi-lateral communities of practice. Engineering Project Organization Journal, 2015, 5, 118-132.	0.6	15
61	Thinking fast and slow in disaster decision-making with Smart City Digital Twins. Nature Computational Science, 2021, 1, 771-773.	3.8	15
62	Energy saving practice diffusion in online networks. Energy and Buildings, 2014, 76, 622-630.	3.1	12
63	Disaggregate Analysis of the Inter-Building Effect in a Dense Urban Environment. Energy Procedia, 2015, 75, 1348-1353.	1.8	12
64	Method for visualizing energy use in building information models. Energy Procedia, 2017, 142, 2541-2546.	1.8	12
65	Urban Crisis Detection Technique: A Spatial and Data Driven Approach Based on Latent Dirichlet Allocation (LDA) Topic Modeling. , 2018, , .		12
66	Global Dimension of Robust Project Network Design. Journal of Construction Engineering and Management - ASCE, 2010, 136, 442-451.	2.0	11
67	Silence of the Tweets: incorporating social media activity drop-offs into crisis detection. Natural Hazards, 2020, 103, 1455-1477.	1.6	11
68	Investigating the association between mass transit adoption and COVID-19 infections in US metropolitan areas. Science of the Total Environment, 2022, 811, 152284.	3.9	11
69	Diffusion Dynamics of Energy Saving Practices in Large Heterogeneous Online Networks. PLoS ONE, 2016, 11, e0164476.	1.1	10
70	Urban infrastructure-mobility energy flux. Energy, 2017, 140, 716-728.	4.5	10
71	Long-Term Buckling Performance of HDPE Liners. Journal of Materials in Civil Engineering, 2001, 13, 176-184.	1.3	9
72	Strategic structure matrix: A framework for explaining the impact of superstructure organizations on the diffusion of wind energy infrastructure. Energy Policy, 2013, 63, 69-80.	4.2	9

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73	Urban Energy Data Visualization and Management: Evaluating Community-Scale Eco-Feedback Approaches. Journal of Management in Engineering - ASCE, 2021, 37, .	2.6	9
74	Engineering Smarter Cities with Smart City Digital Twins. Journal of Management in Engineering - ASCE, 2021, 37, 02021001.	2.6	9
75	Layering residential peer networks and geospatial building networks to model change in energy saving behaviors. Energy and Buildings, 2013, 58, 151-162.	3.1	8
76	Evaluating the Suitability of Using International Market Analyses to Characterize the Global Construction Industry. Journal of Management in Engineering - ASCE, 2015, 31, .	2.6	6
77	Deepening the Divide: Crises Disproportionately Silence Vulnerable Populations on Social Media. Journal of Management in Engineering - ASCE, 2020, 36, .	2.6	6
78	Robust Project Network Design. Project Management Journal, 2009, 40, 81-93.	2.6	5
79	Measuring the Impact of Transportation Diversity on Disaster Resilience in Urban Communities: Case Study of Hurricane Harvey in Houston, TX. , 2019, , .		5
80	Towards Smarter Cities: Linking Human Mobility and Energy Use Fluctuations across Building Types. , 2017, , .		5
81	Tipping the scales: how geographical scale affects the interpretation of social media behavior in crisis research. Natural Hazards, 2022, 112, 545-564.	1.6	5
82	Invitation to Submit Scholarly Articles Using Agent-Based Simulation to Tackle Challenging Civil Engineering Problems. Journal of Computing in Civil Engineering, 2010, 24, 465-466.	2.5	4
83	Simulating the Impact of Phase Change Material Embedded Building Envelopes on the Inter-Building Effect in Non-tropical Cities. Procedia Engineering, 2015, 118, 760-765.	1.2	4
84	Work Values across Generations among Construction Professionals in the United States. Journal of Construction Engineering and Management - ASCE, 2018, 144, 04018096.	2.0	4
85	BIM-based determination of indoor navigation sign layout using hybrid simulation and optimization. Automation in Construction, 2022, 139, 104243.	4.8	4
86	Mitigating Common Method Bias in Construction Engineering and Management Research. Journal of Construction Engineering and Management - ASCE, 2022, 148, .	2.0	4
87	Team Building Moderators of the Engineering and Construction Industry Virtual Team Performance. , 2016, , .		3
88	Development of a Virtual Reality Integrated Community-Scale Eco-Feedback System. , 2019, , .		3
89	Designing community-scale energy feedback. Energy Procedia, 2019, 158, 4178-4183.	1.8	3
90	Voluntary organisations on the net: Insights and innovations. New Review of Information Networking, 1999, 5, 109-121.	0.3	2

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91	Evaluating Temporal Shifts in City Scale Building Energy Benchmarks. , 2018, , .		2
92	Professional Progression, Company Commitment, and Project Choice: An Empirical Investigation into Professional Staff Values in Construction. , 2018, , .		2
93	Recurrent Mobility: Urban Conduits for Diffusion of Energy Efficiency. Scientific Reports, 2019, 9, 20247.	1.6	2
94	Construction Assessment Framework of Electrical Transmission Structures from Decommissioned Wind Turbine Blades. , 2022, , .		2
95	One Size Does Not Fit All: Eco-Feedback Programs Require Tailored Feedback. , 2015, , .		1
96	Applied Methodology for Identifying Hurricane-Induced Social Media Signal Changes in Vulnerable Populations. , 2019, , .		1
97	IoT Integration of Infrastructure Systems in Smart Cities: The Impact of Interdependencies in Building Energy Systems. , 2019, , .		1
98	"Innovation of Unique, Complex Products". Proceedings - Academy of Management, 2013, 2013, 13385.	0.0	1
99	Semi-Supervised Machine Learning Framework for Fusing Georeferenced Data from Social Media and Community-Driven Applications. , 2022, , .		1
100	Diffusion and Simulation of Human Mobility Using Online Network Data to Examine Mobility Constraints. , 2016, , .		0
101	Spatially Constrained Decentralization of Urban Energy Supply Driven by Fluctuations in Human Mobility. , 2017, , .		0
102	Significance of Scale in Spatial Dependencies of Urban Human Mobility and Energy Use: A Decision-Making Perspective. , 2017, , .		0
103	Ray Levitt: professor, practitioner and pathfinder. Construction Management and Economics, 2020, 38, 305-307.	1.8	0