

# John E Taylor

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

95  
papers

3,247  
citations

36  
h-index

55  
g-index

107  
ext. papers

3,825  
ext. citations

5.7  
avg, IF

6.06  
L-index

#	Paper	IF	Citations
95	Short-term air pollution exposure and COVID-19 infection in the United States. <i>Environmental Pollution</i> , <b>2022</b> , 292, 118369	9.3	4
94	BIM-based determination of indoor navigation sign layout using hybrid simulation and optimization. <i>Automation in Construction</i> , <b>2022</b> , 139, 104243	9.6	0
93	Investigating the association between mass transit adoption and COVID-19 infections in US metropolitan areas.. <i>Science of the Total Environment</i> , <b>2021</b> , 811, 152284	10.2	1
92	Urban Energy Data Visualization and Management: Evaluating Community-Scale Eco-Feedback Approaches. <i>Journal of Management in Engineering - ASCE</i> , <b>2021</b> , 37, 04020111	5.3	3
91	Engineering Smarter Cities with Smart City Digital Twins. <i>Journal of Management in Engineering - ASCE</i> , <b>2021</b> , 37, 02021001	5.3	1
90	Silence of the Tweets: incorporating social media activity drop-offs into crisis detection. <i>Natural Hazards</i> , <b>2020</b> , 103, 1455-1477	3	2
89	Measuring Resilience of HumanSpatial Systems to Disasters: Framework Combining Spatial-Network Analysis and Fisher Information. <i>Journal of Management in Engineering - ASCE</i> , <b>2020</b> , 36, 04020019	5.3	13
88	Smart City Digital TwinEnabled Energy Management: Toward Real-Time Urban Building Energy Benchmarking. <i>Journal of Management in Engineering - ASCE</i> , <b>2020</b> , 36, 04019045	5.3	66
87	Deepening the Divide: Crises Disproportionately Silence Vulnerable Populations on Social Media. <i>Journal of Management in Engineering - ASCE</i> , <b>2020</b> , 36, 04020083	5.3	5
86	Measuring the Impact of Transportation Diversity on Disaster Resilience in Urban Communities: Case Study of Hurricane Harvey in Houston, TX <b>2019</b> ,		4
85	Designing community-scale energy feedback. <i>Energy Procedia</i> , <b>2019</b> , 158, 4178-4183	2.3	2
84	DUET: Data-Driven Approach Based on Latent Dirichlet Allocation Topic Modeling. <i>Journal of Computing in Civil Engineering</i> , <b>2019</b> , 33, 04019023	5	24
83	Development of a Virtual Reality Integrated Community-Scale Eco-Feedback System <b>2019</b> ,		2
82	Understanding citizen perspectives on open urban energy data through the development and testing of a community energy feedback system. <i>Applied Energy</i> , <b>2019</b> , 256, 113804	10.7	9
81	Applied Methodology for Identifying Hurricane-Induced Social Media Signal Changes in Vulnerable Populations <b>2019</b> ,		1
80	Recurrent Mobility: Urban Conduits for Diffusion of Energy Efficiency. <i>Scientific Reports</i> , <b>2019</b> , 9, 20247	4.9	1
79	IoT Integration of Infrastructure Systems in Smart Cities: The Impact of Interdependencies in Building Energy Systems <b>2019</b> ,		1

78	Occupant perceptions of building information model-based energy visualizations in eco-feedback systems. <i>Applied Energy</i> , <b>2018</b> , 221, 220-228	10.7	38
77	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> , <b>2018</b> , 144, 04018038	4.2	23
76	Coupling sentiment and human mobility in natural disasters: a Twitter-based study of the 2014 South Napa Earthquake. <i>Natural Hazards</i> , <b>2018</b> , 92, 907-925	3	42
75	A review of occupant energy feedback research: Opportunities for methodological fusion at the intersection of experimentation, analytics, surveys and simulation. <i>Applied Energy</i> , <b>2018</b> , 218, 304-316	10.7	27
74	Bibliographic and comparative analyses to explore emerging classic texts in megaproject management. <i>International Journal of Project Management</i> , <b>2018</b> , 36, 342-361	7.6	45
73	Work Values across Generations among Construction Professionals in the United States. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2018</b> , 144, 04018096	4.2	3
72	Urban Crisis Detection Technique: A Spatial and Data Driven Approach Based on Latent Dirichlet Allocation (LDA) Topic Modeling <b>2018</b> ,		7
71	Geospatial analysis of Oklahoma (USA) earthquakes (2011-2016): Quantifying the limits of regional-scale earthquake mitigation measures. <i>Geology</i> , <b>2018</b> , 46, 215-218	5	14
70	Evaluating Temporal Shifts in City Scale Building Energy Benchmarks <b>2018</b> ,		2
69	Professional Progression, Company Commitment, and Project Choice: An Empirical Investigation into Professional Staff Values in Construction <b>2018</b> ,		1
68	Exploring mutual shading and mutual reflection inter-building effects on building energy performance. <i>Applied Energy</i> , <b>2017</b> , 185, 1556-1564	10.7	58
67	Urban energy flux: Spatiotemporal fluctuations of building energy consumption and human mobility-driven prediction. <i>Applied Energy</i> , <b>2017</b> , 195, 810-818	10.7	19
66	Aggregated responses of human mobility to severe winter storms: An empirical study. <i>PLoS ONE</i> , <b>2017</b> , 12, e0188734	3.7	11
65	Urban infrastructure-mobility energy flux. <i>Energy</i> , <b>2017</b> , 140, 716-728	7.9	9
64	Method for visualizing energy use in building information models. <i>Energy Procedia</i> , <b>2017</b> , 142, 2541-2546.	6.3	5
63	Smart city digital twins <b>2017</b> ,		66
62	Towards Smarter Cities: Linking Human Mobility and Energy Use Fluctuations across Building Types <b>2017</b> ,		3
61	Assessing Task Mental Workload in Construction Projects: A Novel Electroencephalography Approach. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2017</b> , 143, 04017053	4.2	22

60	Process Map for Urban-Human Mobility and Civil Infrastructure Data Collection Using Geosocial Networking Platforms. <i>Journal of Computing in Civil Engineering</i> , <b>2016</b> , 30, 04015004	5	36
59	Simulating the Inter-Building Effect on energy consumption from embedding phase change materials in building envelopes. <i>Sustainable Cities and Society</i> , <b>2016</b> , 27, 287-295	10.1	39
58	Patterns and Limitations of Urban Human Mobility Resilience under the Influence of Multiple Types of Natural Disaster. <i>PLoS ONE</i> , <b>2016</b> , 11, e0147299	3.7	74
57	Diffusion Dynamics of Energy Saving Practices in Large Heterogeneous Online Networks. <i>PLoS ONE</i> , <b>2016</b> , 11, e0164476	3.7	7
56	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> , <b>2016</b> , 127, 1133-1145	7	18
55	Team Building Moderators of the Engineering and Construction Industry Virtual Team Performance <b>2016</b> ,		2
54	One size does not fit all: Establishing the need for targeted eco-feedback. <i>Applied Energy</i> , <b>2016</b> , 184, 523-530	10.7	20
53	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> , <b>2015</b> , 102, 380-389	7	62
52	. <i>IEEE Transactions on Smart Grid</i> , <b>2015</b> , 6, 1414-1424	10.7	39
51	The effects of organizational divisions on knowledge-sharing networks in multi-lateral communities of practice. <i>Engineering Project Organization Journal</i> , <b>2015</b> , 5, 118-132		11
50	Evaluating the Suitability of Using International Market Analyses to Characterize the Global Construction Industry. <i>Journal of Management in Engineering - ASCE</i> , <b>2015</b> , 31, 04014078	5.3	3
49	Precursors to engaged leaders in virtual project teams. <i>International Journal of Project Management</i> , <b>2015</b> , 33, 395-405	7.6	16
48	Simulating the Impact of Phase Change Material Embedded Building Envelopes on the Inter-Building Effect in Non-tropical Cities. <i>Procedia Engineering</i> , <b>2015</b> , 118, 760-765		2
47	Disaggregate Analysis of the Inter-Building Effect in a Dense Urban Environment. <i>Energy Procedia</i> , <b>2015</b> , 75, 1348-1353	2.3	6
46	Resilience of Human Mobility Under the Influence of Typhoons. <i>Procedia Engineering</i> , <b>2015</b> , 118, 942-949		13
45	One Size Does Not Fit All: Eco-Feedback Programs Require Tailored Feedback <b>2015</b> ,		1
44	Energy Saving Alignment Strategy: Achieving energy efficiency in urban buildings by matching occupant temperature preferences with a building's indoor thermal environment. <i>Applied Energy</i> , <b>2014</b> , 123, 209-219	10.7	45
43	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> , <b>2014</b> , 123, 168-178	10.7	339

42	Effects of real-time eco-feedback and organizational network dynamics on energy efficient behavior in commercial buildings. <i>Energy and Buildings</i> , <b>2014</b> , 84, 493-500	7	58
41	Energy saving practice diffusion in online networks. <i>Energy and Buildings</i> , <b>2014</b> , 76, 622-630	7	11
40	The impact of combined water and energy consumption eco-feedback on conservation. <i>Energy and Buildings</i> , <b>2014</b> , 80, 114-119	7	15
39	Special Issue on Computational Approaches to Understand and Reduce Energy Consumption in the Built Environment. <i>Journal of Computing in Civil Engineering</i> , <b>2014</b> , 28, 1-1	5	20
38	Boundary object efficacy: The mediating role of boundary objects on task conflict in global virtual project networks. <i>International Journal of Project Management</i> , <b>2014</b> , 32, 7-17	7.6	39
37	Network synergy effect: Establishing a synergy between building network and peer network energy conservation effects. <i>Energy and Buildings</i> , <b>2014</b> , 68, 312-320	7	34
36	Expanding Inter-Building Effect modeling to examine primary energy for lighting. <i>Energy and Buildings</i> , <b>2014</b> , 76, 513-523	7	49
35	Quantifying human mobility perturbation and resilience in Hurricane Sandy. <i>PLoS ONE</i> , <b>2014</b> , 9, e112608	3.7	68
34	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> , <b>2013</b> , 66, 119-127	7	79
33	Strategic structure matrix: A framework for explaining the impact of superstructure organizations on the diffusion of wind energy infrastructure. <i>Energy Policy</i> , <b>2013</b> , 63, 69-80	7.2	8
32	Layering residential peer networks and geospatial building networks to model change in energy saving behaviors. <i>Energy and Buildings</i> , <b>2013</b> , 58, 151-162	7	6
31	Block Configuration Modeling: A novel simulation model to emulate building occupant peer networks and their impact on building energy consumption. <i>Applied Energy</i> , <b>2013</b> , 105, 358-368	10.7	28
30	Investigating the impact eco-feedback information representation has on building occupant energy consumption behavior and savings. <i>Energy and Buildings</i> , <b>2013</b> , 64, 408-414	7	82
29	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> , <b>2013</b> , 19, 42-77	2.1	17
28	Quantifying the Impact of Facilitation on Transactive Memory System Formation in Global Virtual Project Networks. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2013</b> , 139, 294-303	4.2	16
27	"Innovation of Unique, Complex Products". <i>Proceedings - Academy of Management</i> , <b>2013</b> , 2013, 13385	0.1	1
26	Modeling building occupant network energy consumption decision-making: The interplay between network structure and conservation. <i>Energy and Buildings</i> , <b>2012</b> , 47, 515-524	7	99
25	Assessing eco-feedback interface usage and design to drive energy efficiency in buildings. <i>Energy and Buildings</i> , <b>2012</b> , 48, 8-17	7	105

24	Financing renewable energy infrastructure: Formulation, pricing and impact of a carbon revenue bond. <i>Energy Policy</i> , <b>2012</b> , 45, 691-703	7.2	41
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. <i>Energy and Buildings</i> , <b>2012</b> , 55, 637-646	7	52
22	The impact of peer network position on electricity consumption in building occupant networks utilizing energy feedback systems. <i>Energy and Buildings</i> , <b>2012</b> , 49, 584-590	7	88
21	Exploring Negotiation through Boundary Objects in Global Design Project Networks. <i>Project Management Journal</i> , <b>2012</b> , 43, 24-39	3.5	47
20	A bridge too far: examining the impact of facilitators on information transfer in global virtual project networks. <i>Engineering Project Organization Journal</i> , <b>2012</b> , 2, 188-201		15
19	Networks in engineering: an emerging approach to project organization studies. <i>Engineering Project Organization Journal</i> , <b>2012</b> , 2, 15-26		60
18	Project Network Interdependency Alignment: New Approach to Assessing Project Effectiveness. <i>Journal of Management in Engineering - ASCE</i> , <b>2011</b> , 27, 170-178	5.3	55
17	Modeling Interfirm Dependency: Game Theoretic Simulation to Examine the Holdup Problem in Project Networks. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2011</b> , 137, 284-293	4.2	38
16	Dual Impact of Cultural and Linguistic Diversity on Project Network Performance. <i>Journal of Management in Engineering - ASCE</i> , <b>2011</b> , 27, 179-187	5.3	20
15	Meeting the Burden of Proof with Case-Study Research. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2011</b> , 137, 303-311	4.2	71
14	Emergence and Role of Cultural Boundary Spanners in Global Engineering Project Networks. <i>Journal of Management in Engineering - ASCE</i> , <b>2010</b> , 26, 123-132	5.3	85
13	Introduction to the Special Issue on Research Methodologies in Construction Engineering and Management. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2010</b> , 136, 1-2	4.2	11
12	Invitation to Submit Scholarly Articles Using Agent-Based Simulation to Tackle Challenging Civil Engineering Problems. <i>Journal of Computing in Civil Engineering</i> , <b>2010</b> , 24, 465-466	5	4
11	Global Dimension of Robust Project Network Design. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2010</b> , 136, 442-451	4.2	11
10	Response/relapse patterns of building occupant electricity consumption following exposure to personal, contextualized and occupant peer network utilization data. <i>Energy and Buildings</i> , <b>2010</b> , 42, 1329-1336	7	159
9	Simulating Learning Dynamics in Project Networks. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2009</b> , 135, 1009-1015	4.2	38
8	Offshore Outsourcing in Global Design Networks. <i>Journal of Management in Engineering - ASCE</i> , <b>2009</b> , 25, 177-184	5.3	38
7	Paradigm Trajectories of Building Information Modeling Practice in Project Networks. <i>Journal of Management in Engineering - ASCE</i> , <b>2009</b> , 25, 69-76	5.3	118

6	Robust Project Network Design. <i>Project Management Journal</i> , <b>2009</b> , 40, 81-93	3.5	4
5	Antecedents of Successful Three-Dimensional Computer-Aided Design Implementation in Design and Construction Networks. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2007</b> , 133, 993-1002	4.2	7 <sup>8</sup>
4	Long-Term Buckling Performance of HDPE Liners. <i>Journal of Materials in Civil Engineering</i> , <b>2001</b> , 13, 176-184	3.84	7
3	Buckling of HDPE Liners under External Uniform Pressure. <i>Journal of Materials in Civil Engineering</i> , <b>1999</b> , 11, 353-361	3	29
2	Voluntary organisations on the net: Insights and innovations. <i>New Review of Information Networking</i> , <b>1999</b> , 5, 109-121	0.5	2
1	Tipping the scales: how geographical scale affects the interpretation of social media behavior in crisis research. <i>Natural Hazards</i> , 1	3	1