

Colin F Duffield

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

1,527
citations

361045

20
h-index

329751

37
g-index

92
all docs

92
docs citations

92
times ranked

1021
citing authors

#	ARTICLE	IF	CITATIONS
1	Risk Management in the Chinese Construction Industry. Journal of Construction Engineering and Management - ASCE, 2007, 133, 944-956.	2.0	136
2	Comparative performance of PPPs and traditional procurement in Australia. Construction Management and Economics, 2010, 28, 345-359.	1.8	131
3	Partnering Mechanism in Construction: An Empirical Study on the Chinese Construction Industry. Journal of Construction Engineering and Management - ASCE, 2006, 132, 217-229.	2.0	126
4	Improved PFI/PPP service outcomes through the integration of Alliance principles. International Journal of Project Management, 2006, 24, 573-586.	2.7	93
5	Lateral performance of cold-formed steel-framed domestic structures. Engineering Structures, 1999, 21, 83-95.	2.6	92
6	Causes of contractors' claims in international engineering-procurement-construction projects. Journal of Civil Engineering and Management, 2017, 23, 727-739.	1.9	63
7	Incentives in the Chinese Construction Industry. Journal of Construction Engineering and Management - ASCE, 2008, 134, 457-467.	2.0	57
8	Relationships among Risk Management, Partnering, and Contractor Capability in International EPC Project Delivery. Journal of Management in Engineering - ASCE, 2016, 32, .	2.6	53
9	Enhancing Trust-Based Interface Management in International Engineering-Procurement-Construction Projects. Journal of Construction Engineering and Management - ASCE, 2017, 143, .	2.0	51
10	Lateral Behavior of Plasterboard-Clad Residential Steel Frames. Journal of Structural Engineering, 1999, 125, 32-39.	1.7	44
11	Improving investment sustainability for PPP power projects in emerging economies. Built Environment Project and Asset Management, 2014, 4, 335-351.	0.9	39
12	Critical Success Factors in Thailand's Green Building Industry. Journal of Asian Architecture and Building Engineering, 2017, 16, 317-324.	1.2	38
13	Understanding the Green Technical Capabilities and Barriers to Green Buildings in Developing Countries: A Case Study of Thailand. Sustainability, 2018, 10, 3585.	1.6	37
14	The influence of ambient environmental conditions in detecting bridge concrete deck delamination using infrared thermography (IRT). Structural Control and Health Monitoring, 2020, 27, e2506.	1.9	34
15	Enhancing Total Quality Management by Partnering in Construction. Journal of Professional Issues in Engineering Education and Practice, 2009, 135, 129-141.	0.9	30
16	Monitoring the Dynamic Behavior of The Merlynston Creek Bridge Using Interferometric Radar Sensors and Finite Element Modeling. International Journal of Applied Mechanics, 2017, 09, 1750003.	1.3	30
17	A Survey of Tendering Practices in the Australian Construction Industry. EMJ - Engineering Management Journal, 1998, 10, 29-34.	1.4	28
18	Earthquake ductility and overstrength in residential structures. Structural Engineering and Mechanics, 1999, 8, 361-382.	1.0	26

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19	The impact of technical standards on international project performance: Chinese contractors' experience. <i>International Journal of Project Management</i> , 2017, 35, 1597-1607.	2.7	25
20	A review of Australian PPP governance structures. <i>Journal of Financial Management of Property and Construction</i> , 2010, 15, 198-215.	0.9	24
21	Measuring pavement maintenance effectiveness using Markov Chains analysis. <i>Structure and Infrastructure Engineering</i> , 2017, 13, 844-854.	2.0	21
22	Understanding the social network of stakeholders in hydropower project development: An owners' view. <i>Renewable Energy</i> , 2019, 132, 326-334.	4.3	18
23	Comparative performance of PPPs and traditional procurement projects in Indonesia. <i>International Journal of Public Sector Management</i> , 2017, 30, 118-136.	1.2	17
24	Understanding the Role of Built Environment Resilience to Natural Disasters: Lessons Learned from the Wenchuan Earthquake. <i>Journal of Performance of Constructed Facilities</i> , 2017, 31, .	1.0	17
25	Innovation in infrastructure projects: an Australian perspective. <i>International Journal of Innovation Science</i> , 2016, 8, 113-132.	1.5	16
26	An enhanced framework for assessing the operational performance of public-private partnership school projects. <i>Built Environment Project and Asset Management</i> , 2018, 8, 194-214.	0.9	13
27	Managing Interfaces in Large-Scale Projects: The Roles of Formal Governance and Partnering. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021, 147, .	2.0	13
28	A longitudinal analysis on the perspectives of major world newspapers on the Three Gorges Dam project during 1982â€“2015. <i>Water Science and Technology: Water Supply</i> , 2018, 18, 94-107.	1.0	12
29	Evaluation of Cooperation during Project Delivery: Empirical Study on the Hydropower Industry in Southwest China. <i>Journal of Construction Engineering and Management - ASCE</i> , 2016, 142, .	2.0	11
30	After the Ribbon Cutting: Governing PPPs in the Medium to Long Term*. <i>Australian Journal of Public Administration</i> , 2017, 76, 330-351.	1.0	11
31	Qualitative Analysis of the Occupational Health and Safety Performance of Chinese International Construction Projects. <i>Sustainability</i> , 2018, 10, 4344.	1.6	11
32	Infrared thermography detection of delamination in bottom of concrete bridge decks. <i>Structural Control and Health Monitoring</i> , 2022, 29, e2886.	1.9	11
33	Monitoring the Dynamic Behaviour of Concrete Bridges Using Non-Contact Sensors (IBIS-S). <i>Applied Mechanics and Materials</i> , 0, 846, 225-230.	0.2	10
34	Engaging Employees with Good Sustainability: Key Performance Indicators for Dry Ports. <i>Sustainability</i> , 2019, 11, 2967.	1.6	10
35	The Influence of Non-Structural Components on the Serviceability Performance of High-Rise Buildings. <i>Australian Journal of Structural Engineering</i> , 2009, 10, 53-62.	0.4	9
36	Long-Term Performance of Trestle Bridges: Case Study of an Indonesian Marine Port Structure. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 358.	1.2	9

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37	The influence of non-structural components on tall building stiffness. Structural Design of Tall and Special Buildings, 2011, 20, 853-870.	0.9	8
38	Determining dynamic characteristics of high rise buildings using interferometric radar system. Engineering Structures, 2018, 164, 230-242.	2.6	8
39	The Australian PPP Experience: Observations and Reflections. , 2010, , .		8
40	Economic risk analysis for sustainable urban development: validation of framework and decision support technique. Desalination and Water Treatment, 2014, 52, 1109-1121.	1.0	7
41	In pursuit of innovation value in building projects. International Journal of Innovation Science, 2016, 8, 39-70.	1.5	7
42	A Simplified Methodology for Condition Assessment of Bridge Bearings Using Vibration Based Structural Health Monitoring Techniques. International Journal of Structural Stability and Dynamics, 2021, 21, 2150133.	1.5	7
43	Risk Considerations in the Use of Unmanned Aerial Vehicles in the Construction Industry. Journal of Risk Analysis and Crisis Response (JRACR), 2016, 6, 165.	0.1	7
44	Innovation Evaluation: Past, Current Models and a Framework for Infrastructure Projects. International Journal of Innovation Science, 2015, 7, 281-298.	1.5	6
45	Review of Techniques for Predicting the Fundamental Period of Multi-Storey Buildings: Effects of Nonstructural Components. International Journal of Structural Stability and Dynamics, 2015, 15, 1450039.	1.5	6
46	Understanding the Green Building Industry in Thailand. Green Energy and Technology, 2020, , 161-180.	0.4	6
47	Combining Finance and Design Innovation to Develop Winning Proposals. , 0, , 327-345.		6
48	Different Delivery Models. , 2010, , .		6
49	Development of Test Method for Determining Plasterboard Bracing Performance. Journal of Structural Engineering, 2004, 130, 1108-1116.	1.7	5
50	Understanding the causes of vulnerabilities for enhancing social-physical resilience: lessons from the Wenchuan earthquake. Environmental Hazards, 2018, 17, 292-309.	1.4	5
51	Contribution of typical non-structural components to the performance of high-rise buildings based on field reconnaissance. Journal of Building Appraisal, 2010, 6, 129-151.	0.4	4
52	Performance of midâ€¢project reviews (MPRs): quantification based on fuzzy recognition. Built Environment Project and Asset Management, 2011, 1, 137-155.	0.9	4
53	Innovation Evaluation: Past and Current Models and a Framework for Infrastructure Projects. International Journal of Innovation Science, 2015, 7, 281-297.	1.5	4
54	Reliability-Based Decision Support Framework for Major Changes to Social Infrastructure PPP Contracts. Applied Sciences (Switzerland), 2020, 10, 7659.	1.3	4

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55	Environment Management of Hydropower Development: A Case Study. <i>Energies</i> , 2021, 14, 2029.	1.6	4
56	Risk Mitigation in Managing a Mega Project - a Case Study of Gomal Zam Dam Construction Weight and Cloud Model. <i>Journal of Risk Analysis and Crisis Response (JRACR)</i> , 2014, 4, 2.	0.1	4
57	A Review of Commercially Available Cost-Estimating Software Systems for the Construction Industry. <i>EMJ - Engineering Management Journal</i> , 1994, 6, 23-34.	1.4	3
58	When Do Mid-Project Reviews (MPRs) Deliver the Greatest Project Benefits? Comparative Analysis of Australian Review Outcomes. <i>Journal of Management in Engineering - ASCE</i> , 2013, 29, 140-149.	2.6	3
59	Structuring Procurement to Improve Sustainability Outcomes of Power Plant Projects. <i>Energy Technology & Policy</i> , 2015, 2, 47-57.	1.1	3
60	Policy Options to Regulate PV in Low Voltage Grids-Australian Case with International Implications. <i>Technology and Economics of Smart Grids and Sustainable Energy</i> , 2019, 4, 1.	1.8	3
61	Lessons from Flipping Subjects in Engineering: Effectiveness of Student Learning in a Flipped Environment at the University Level. <i>Journal of Civil Engineering Education</i> , 2021, 147, .	0.8	3
62	Optimum Use of High Performance Concrete in Prestressed Concrete Super-T Bridge Beams. <i>PCI Journal</i> , 2000, 45, 56-65.	0.4	3
63	HOW TO GET INTERNATIONAL CONSTRUCTION PROJECTS DELIVERED ON TIME: FROM CHINESE CONTRACTORS'S PERSPECTIVE. <i>Journal of Civil Engineering and Management</i> , 2022, 28, 134-149.	1.9	3
64	Improving Design by Partnering in Engineering's "Procurement" Construction (EPC) Hydropower Projects: A Case Study of a Large-Scale Hydropower Project in China. <i>Water (Switzerland)</i> , 2021, 13, 3410.	1.2	3
65	Modal Analysis of Steel-Framed Residential Structures for Application to Seismic Design. <i>JVC/Journal of Vibration and Control</i> , 2001, 7, 91-111.	1.5	2
66	Experimental and Analytical Validation of a Fastener Bearing Test as a Means of Evaluating the Bracing Characteristics of Plasterboard. <i>Advances in Structural Engineering</i> , 2006, 9, 421-432.	1.2	2
67	A practical tool for evaluation of innovation outcomes in building projects. <i>International Journal of Innovation Science</i> , 2016, 8, 350-387.	1.5	2
68	Effects of Interior Partition Walls on Natural Period of High Rise Buildings. <i>International Journal of Structural Stability and Dynamics</i> , 2017, 17, 1771006.	1.5	2
69	Pavement maintenance optimization model using Markov Decision Processes. <i>Journal of Physics: Conference Series</i> , 2017, 890, 012104.	0.3	2
70	Identification of the risk of blast-induced glass window failure in a complex environment. <i>International Journal of Protective Structures</i> , 2018, 9, 99-117.	1.4	2
71	Condition assessment of concrete by hybrid non-destructive tests. <i>Journal of Civil Structural Health Monitoring</i> , 2019, 9, 339-351.	2.0	2
72	9. Initial Investigation into the Effectiveness of Australian Ports's Governance and Management Structures. , 2019, , 227-246.		2

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73	Commercial viability of privately financed heating systems in europe - a case study. Engineering, Construction and Architectural Management, 1998, 5, 3-8.	1.8	1
74	Temporal Model of the Drivers of Household PV Purchase in Australia. Technology and Economics of Smart Grids and Sustainable Energy, 2019, 4, 1.	1.8	1
75	Innovation in Australian publicly operated publicâ€“private partnerships. Infrastructure Asset Management, 2019, 6, 166-177.	1.2	1
76	1. Infrastructure Investment in Indonesia â€” The Economic Context. , 2019, , 1-14.		1
77	Evaluating uncertainties to deliver enhanced service performance inÂeducation PPPs: a hierarchical reliability framework. Engineering, Construction and Architectural Management, 2022, ahead-of-print, .	1.8	1
78	Commercial viability of privately financed heating systems in Europe â€” a case study. Engineering, Construction and Architectural Management, 1998, 5, 3-8.	1.8	0
79	Automation in Structural Health Monitoring of Transport Infrastructure. Advances in 21st Century Human Settlements, 2021, , 141-172.	0.3	0
80	Road Networks Management Under Uncertainty: A Stochastic Based Model. , 2012, , 599-611.		0
81	Risk Appraisal in Engineering Infrastructure Projects: Examination of Project Risks Using Probabilistic Analysis. , 2014, , 687-701.		0
82	The Risk of Power Imbalance in Project Delivery: A Study of Large Victorian Public Infrastructure Projects. Journal of Risk Analysis and Crisis Response (JRACR), 2017, 7, 53.	0.1	0
83	2. Infrastructure Planning, Challenges and Risks. , 2019, , 15-52.		0
84	Infrared Thermography for Detecting Subsurface Defects of Concrete Structures. Lecture Notes in Civil Engineering, 2021, , 1165-1176.	0.3	0
85	Initiation of capital projects in industries having an operational focus: an Australian stevedoring case example. International Journal of Managing Projects in Business, 2021, 14, 898-916.	1.3	0
86	Analytical Framework for Understanding the Differences between Technical Standards Originating from Various Regions to Improve International Hydropower Project Delivery. Water (Switzerland), 2022, 14, 662.	1.2	0