

Chris I Goodier

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

2,219
citations

304602

22
h-index

254106

43
g-index

92
all docs

92
docs citations

92
times ranked

2061
citing authors

#	ARTICLE	IF	CITATIONS
1	Future opportunities for offsite in the UK. Construction Management and Economics, 2007, 25, 585-595.	1.8	250
2	Ranking of interventions to reduce dwelling overheating during heat waves. Energy and Buildings, 2012, 55, 16-27.	3.1	221
3	Assessing the long term benefits of Impressed Current Cathodic Protection. Corrosion Science, 2010, 52, 2671-2679.	3.0	154
4	Design in Modular Construction. , 0, , .		145
5	Long-term performance of surface impregnation of reinforced concrete structures with silane. Construction and Building Materials, 2013, 48, 708-716.	3.2	96
6	House-Building Business Models and Off-Site Construction Take-Up. Journal of Architectural Engineering, 2012, 18, 84-93.	0.8	92
7	Development of self-compacting concrete. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2003, 156, 405-414.	0.4	78
8	Adapting dwellings for heat waves. Sustainable Cities and Society, 2011, 1, 81-90.	5.1	73
9	Causal mapping and scenario building with multiple organisations. Futures, 2010, 42, 219-229.	1.4	56
10	The futures of construction: a critical review of construction future studies. Construction Management and Economics, 2007, 25, 477-493.	1.8	54
11	Energyscapes: Linking the energy system and ecosystem services in real landscapes. Biomass and Bioenergy, 2013, 55, 17-26.	2.9	51
12	Concern or compliance? Drivers of urban decentralised energy initiatives. Sustainable Cities and Society, 2014, 10, 122-129.	5.1	42
13	Alternative future energy pathways: Assessment of the potential of innovative decentralised energy systems in the UK. Energy Policy, 2014, 66, 62-72.	4.2	41
14	Factors affecting the slump and strength development of geopolymer concrete. Construction and Building Materials, 2020, 261, 119945.	3.2	41
15	Maturity method to predict the evolution of the properties of sprayed concrete. Construction and Building Materials, 2015, 79, 357-369.	3.2	40
16	Durability performance of sustainable structural concrete: Effect of coarse crushed concrete aggregate on microstructure and water ingress. Construction and Building Materials, 2017, 145, 183-195.	3.2	35
17	Durability performance of sustainable structural concrete: Effect of coarse crushed concrete aggregate on rapid chloride migration and accelerated corrosion. Construction and Building Materials, 2017, 155, 511-521.	3.2	35
18	Heat wave adaptations for UK dwellings and development of a retrofit toolkit. International Journal of Disaster Resilience in the Built Environment, 2013, 4, 269-286.	0.7	33

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19	The rheological performance of wet-process sprayed mortars. Magazine of Concrete Research, 1999, 51, 341-352.	0.9	31
20	Nanomaterials in construction – what is being used, and where?. Proceedings of Institution of Civil Engineers: Construction Materials, 2019, 172, 49-62.	0.7	31
21	On-site transient analysis for the corrosion assessment of reinforced concrete. Corrosion Science, 2012, 62, 176-183.	3.0	29
22	Constructing Resilient Futures: Integrating UK multi-stakeholder transport and energy resilience for 2050. Futures, 2013, 49, 49-63.	1.4	27
23	Diagnosing the cause of incipient anodes in repaired reinforced concrete structures. Corrosion Science, 2013, 69, 123-129.	3.0	26
24	Environmental Impact Assessment, ecosystems services and the case of energy crops in England. Journal of Environmental Planning and Management, 2012, 55, 369-385.	2.4	24
25	Future use of life-cycle assessment in civil engineering. Proceedings of Institution of Civil Engineers: Construction Materials, 2013, 166, 204-212.	0.7	23
26	Unravelling the complexity of collective mental models: A method for developing and analysing scenarios in multi-organisational contexts. Futures, 2011, 43, 890-907.	1.4	22
27	Lean approach in precast concrete component production. Built Environment Project and Asset Management, 2019, 9, 457-470.	0.9	21
28	Key drivers for green building project financing in Ghana. Engineering, Construction and Architectural Management, 2022, 29, 3023-3050.	1.8	19
29	The office of the future: Operational energy consumption in the post-pandemic era. Energy Research and Social Science, 2022, 87, 102472.	3.0	19
30	The performance of hardened wet-process sprayed mortars. Magazine of Concrete Research, 2000, 52, 195-208.	0.9	18
31	Adaptation of the standard EN 196-1 for mortar with accelerator. Construction and Building Materials, 2016, 127, 125-136.	3.2	18
32	Assessing the application and limitations of a standardised overheating risk-assessment methodology in a real-world context. Building and Environment, 2020, 181, 107070.	3.0	18
33	Understanding and enhancing future infrastructure resiliency: a socio-ecological approach. Disasters, 2015, 39, 407-426.	1.1	16
34	The financial entanglements of local energy projects. Geoforum, 2015, 59, 1-11.	1.4	14
35	Probabilistic analysis of solar photovoltaic self-consumption using Bayesian network models. IET Renewable Power Generation, 2016, 10, 448-455.	1.7	14
36	Building information modelling and its effect on off-site construction in UK civil engineering. Proceedings of Institution of Civil Engineers: Management, Procurement and Law, 2014, 167, 152-159.	0.4	13

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37	Managing the unknown – Addressing the potential health risks of nanomaterials in the built environment. Construction Management and Economics, 2017, 35, 122-136.	1.8	13
38	Nanotechnology in construction and demolition: What we know, what we don't. Construction Research and Innovation, 2018, 9, 55-58.	0.2	13
39	Low-volume wet-process sprayed concrete: hardened properties. Materials and Structures/Materiaux Et Constructions, 2007, 41, 99-111.	1.3	12
40	Planning for peak oil: learning from Cuba's –special period–. Proceedings of the Institution of Civil Engineers: Urban Design and Planning, 2010, 163, 169-176.	0.6	12
41	Fibre distribution and tensile response anisotropy in sprayed fibre reinforced concrete. Materials and Structures/Materiaux Et Constructions, 2018, 51, 1.	1.3	12
42	Alternative quality control of steel fibre reinforced sprayed concrete (SFRSC). Construction and Building Materials, 2019, 223, 1008-1015.	3.2	12
43	A new arrangement of galvanic anodes for the repair of reinforced concrete structures. Construction and Building Materials, 2014, 50, 300-307.	3.2	11
44	Building future scenarios using cognitive mapping. Journal of Maps, 2013, 9, 203-217.	1.0	10
45	Hybrid anode concrete corrosion protection – independent study. Proceedings of Institution of Civil Engineers: Construction Materials, 2018, 171, 149-160.	0.7	10
46	The impact of accurately modelling corridor thermodynamics in the overheating risk assessment of multi-residential dwellings. Energy and Buildings, 2020, 224, 110302.	3.1	10
47	Success in international decentralised urban energy initiatives: a matter of understanding?. Local Environment, 2014, 19, 479-496.	1.1	9
48	Non-technical barriers for decentralised energy and energy efficient buildings. International Journal of Energy Sector Management, 2014, 8, 544-561.	1.2	9
49	Modularisation and offsite in engineering construction: an early decision-support tool. Proceedings of the Institution of Civil Engineers: Civil Engineering, 2019, 172, 3-14.	0.3	9
50	Optimising construction with self-compacting concrete. Proceedings of Institution of Civil Engineers: Construction Materials, 2017, 170, 104-114.	0.7	8
51	The importance of infiltration pathways in assessing and modelling overheating risks in multi-residential buildings. Building Services Engineering Research and Technology, 2020, 41, 261-279.	0.9	8
52	Briefing: Potential of energy saving partnerships in the UK: an example of Berlin. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2013, 166, 315-319.	0.4	7
53	Cathodic protection on the UK's Midland Links motorway viaducts. Proceedings of the Institution of Civil Engineers: Bridge Engineering, 2014, 167, 43-53.	0.3	7
54	Nanomaterials in construction and demolition - how can we assess the risk if we don't know where they are?. Journal of Physics: Conference Series, 2015, 617, 012031.	0.3	7

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55	Briefing: Future trends in UK housebuilding. Proceedings of the Institution of Civil Engineers: Municipal Engineer, 2012, 165, 65-67.	0.4	6
56	Corrosion risk assessment of structural concrete with coarse crushed concrete aggregate. Proceedings of Institution of Civil Engineers: Construction Materials, 2020, 173, 57-69.	0.7	5
57	Briefing: Community resilience to extreme weather. Proceedings of the Institution of Civil Engineers: Urban Design and Planning, 2008, 161, 97-99.	0.6	4
58	Briefing: Challenging lock-in through urban energy systems. Proceedings of the Institution of Civil Engineers: Urban Design and Planning, 2010, 163, 149-151.	0.6	4
59	Editorial: Sustainable energy and sustainable cities. Proceedings of the Institution of Civil Engineers: Urban Design and Planning, 2010, 163, 147-148.	0.6	4
60	UK contractors'™ views on self-compacting concrete in construction. Proceedings of Institution of Civil Engineers: Construction Materials, 2012, 165, 201-210.	0.7	3
61	Probabilistic evaluation of solar photovoltaic systems using Bayesian networks: a discounted cash flow assessment. Progress in Photovoltaics: Research and Applications, 2016, 24, 1592-1605.	4.4	3
62	Discussion: Hybrid anode concrete corrosion protection " independent study. Proceedings of Institution of Civil Engineers: Construction Materials, 2017, 170, 265-270.	0.7	3
63	Low-volume wet-process sprayed concrete: pumping and spraying. Materials and Structures/Materiaux Et Constructions, 2005, 38, 229-237.	1.3	3
64	Development of self-compacting concrete. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2003, 156, 405-414.	0.4	3
65	Briefing: Heat-wave-coping measures for housing. Proceedings of Institution of Civil Engineers: Energy, 2009, 162, 101-103.	0.5	2
66	Briefing: The future of construction materials research. Proceedings of Institution of Civil Engineers: Construction Materials, 2014, 167, 281-282.	0.7	2
67	Interface management of offsite bathroom construction: a conceptual model. Construction Innovation, 2022, ahead-of-print, .	1.5	2
68	Briefing: Potential for seawater district heating and cooling in the UK. Proceedings of Institution of Civil Engineers: Energy, 2013, 166, 102-106.	0.5	1
69	Briefing: Concrete " innovations and practical applications. Proceedings of Institution of Civil Engineers: Construction Materials, 2016, 169, 282-284.	0.7	1
70	Towards arresting reinforced concrete corrosion " a review. MATEC Web of Conferences, 2018, 199, 05001.	0.1	1
71	Long-term hybrid galvanic corrosion protection of reinforced-concrete structures. Proceedings of Institution of Civil Engineers: Construction Materials, 2020, , 1-14.	0.7	1
72	Case Study Analysis of Urban Decentralised Energy Systems. Climate Change Management, 2013, , 307-323.	0.6	1

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73	Resistivity and water absorption of concrete. , 2015, , 227-233.		1
74	Evaluating The Impacts Of Community Renewable Energy Initiatives. , 2011, , .		1
75	Simplified Analytical Assessment of Damaged Induced by the External Sulphate Attack in Concrete Piles. , 2018, , 2282-2289.		1
76	Workability, Shear Strength and Build of Wet-process Sprayed Mortars. , 1999, , 141-51.		0
77	Long-Term Performance of Hybrid Anodes for Cathodic Protection of Reinforced Concrete. MATEC Web of Conferences, 2018, 199, 05003.	0.1	0
78	Assessment of interventions to reduce dwelling overheating during heat waves considering annual energy use and cost. , 2011, , .		0
79	Variations of humidity within a relatively large ASR-affected concrete cylinder exposed to a natural environment. , 2015, , 30-30.		0
80	Investigations into the cause and consequence of incipient anodes in repaired reinforced concrete structures. , 2015, , 841-848.		0
81	Size Effect on Post-cracking Strength of High Performance Fibre-Reinforced Concrete. , 2018, , 182-190.		0
82	Lateral Stability of Prestressed Precast Concrete Girders During Lifting: Study Case. , 2018, , 1530-1537.		0