

# Priyan Dias

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

821  
citations

623188

14  
h-index

525886

27  
g-index

57  
all docs

57  
docs citations

57  
times ranked

730  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural networks for predicting properties of concretes with admixtures. Construction and Building Materials, 2001, 15, 371-379.	3.2	149
2	Reduction of concrete sorptivity with age through carbonation. Cement and Concrete Research, 2000, 30, 1255-1261.	4.6	140
3	Sustainability rating systems for buildings: Comparisons and correlations. Energy, 2013, 59, 22-28.	4.5	70
4	Quality based energy contents and carbon coefficients for building materials: A systems approach. Energy, 2004, 29, 561-580.	4.5	39
5	Fragility curves for structures under tsunami loading. Natural Hazards, 2016, 80, 471-486.	1.6	32
6	Influence of drying on concrete sorptivity. Magazine of Concrete Research, 2004, 56, 537-543.	0.9	28
7	Lessons learned from tsunami damage in Sri Lanka. Proceedings of the Institution of Civil Engineers: Civil Engineering, 2006, 159, 74-81.	0.3	26
8	Ratio based indicators and continuous score functions for better assessment of building sustainability. Energy, 2015, 83, 137-143.	4.5	23
9	REFLECTIVE PRACTICE IN ENGINEERING DESIGN.. Proceedings of the Institution of Civil Engineers: Civil Engineering, 1995, 108, 160-168.	0.3	21
10	Design and development of Alkali Pozzolan Cement (APC). Construction and Building Materials, 2014, 68, 426-433.	3.2	21
11	Post-December 2004 Tsunami Reconstruction in Sri Lanka and Its Potential Impacts on Future Vulnerability. Earthquake Spectra, 2006, 22, 829-844.	1.6	17
12	Heidegger's resonance with engineering: The primacy of practice. Science and Engineering Ethics, 2006, 12, 523-532.	1.7	17
13	Performance based energy, ecological and financial costs of a sustainable alternative cement. Journal of Cleaner Production, 2021, 287, 125035.	4.6	15
14	Heidegger's relevance for engineering: Questioning technology. Science and Engineering Ethics, 2003, 9, 389-396.	1.7	14
15	The integration of product and process models for design. Design Studies, 1994, 15, 417-432.	1.9	13
16	Are environmental sustainability and happiness the keys to prosperity in Asian nations?. Ecological Indicators, 2020, 119, 106562.	2.6	13
17	Numerical modelling of cracks in masonry walls due to thermal movements in an overlying slab. Engineering Structures, 2010, 32, 1411-1422.	2.6	12
18	Multidisciplinary Product Modeling of Buildings. Journal of Computing in Civil Engineering, 1996, 10, 78-86.	2.5	11

#	ARTICLE	IF	CITATIONS
19	Philosophical grounding and computational formalization for practice based engineering knowledge. Knowledge-Based Systems, 2007, 20, 382-387.	4.0	11
20	Condition Assessment of a Deteriorated Cement Works. Journal of Performance of Constructed Facilities, 2003, 17, 188-195.	1.0	10
21	Some properties of hardened cement paste and reinforcing bars upon cooling from elevated temperatures. Fire and Materials, 1992, 16, 29-35.	0.9	9
22	Performance of concrete mixes with OPC&PFA blends. Magazine of Concrete Research, 2003, 55, 161-170.	0.9	9
23	The Disciplines of Engineering and History: Some Common Ground. Science and Engineering Ethics, 2014, 20, 539-549.	1.7	9
24	Influence of exterior infill walls on the performance of RC frames under tsunami loads: Case study of school buildings in Sri Lanka. Engineering Structures, 2021, 234, 111920.	2.6	9
25	Philosophical underpinning for systems thinking. Interdisciplinary Science Reviews, 2008, 33, 202-213.	1.0	8
26	Derivation of tsunami damage curves from fragility functions. Natural Hazards, 2019, 96, 1153-1166.	1.6	8
27	Dimensions of order in engineering design organizations. Design Studies, 2003, 24, 357-373.	1.9	7
28	Systems 2030 & Emergent themes. Civil Engineering and Environmental Systems, 2010, 27, 177-187.	0.4	7
29	What is the body of knowledge for engineers involved with civil engineering systems? & A 2020 vision. Civil Engineering and Environmental Systems, 2020, 37, 149-153.	0.4	7
30	Tsunami wave loading on buildings: a simplified approach. Journal of the National Science Foundation of Sri Lanka, 2012, 40, 211.	0.1	7
31	Philosophy for Engineering. SpringerBriefs in Applied Sciences and Technology, 2019, , .	0.2	6
32	Field survey and numerical modelling of cracking in masonry walls due to thermal movements of an overlying slab. Journal of the National Science Foundation of Sri Lanka, 2008, 36, 205.	0.1	6
33	CONFAULT-AN EXPERT SYSTEM FOR FAULT DIAGNOSIS IN REINFORCED CONCRETE STRUCTURES. Civil Engineering and Environmental Systems, 1992, 9, 147-160.	0.2	5
34	SOFT SYSTEMS APPROACHES FOR ANALYSING PROPOSED CHANGE AND STAKEHOLDER RESPONSE - A CASE STUDY. Civil Engineering and Environmental Systems, 1999, 17, 1-17.	0.4	5
35	Aesthetics and Ethics in Engineering: Insights from Polanyi. Science and Engineering Ethics, 2011, 17, 233-243.	1.7	5
36	Is toughness a better metaphor than resilience?. Civil Engineering and Environmental Systems, 2015, 32, 68-76.	0.4	5

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37	The Engineer's Identity Crisis: Homo Faber or Homo Sapiens?. Philosophy of Engineering and Technology, 2013, , 139-150.	0.1	5
38	Managing conflict through ethics. Civil Engineering and Environmental Systems, 2010, 27, 255-262.	0.4	4
39	Mechanical and Microstructural Properties of Alkali Pozzolan Cement (APC). International Journal of Civil Engineering, 2020, 18, 1281-1292.	0.9	4
40	Dependencies among environmental performance indicators for buildings and their implications. Building and Environment, 2017, 123, 101-108.	3.0	3
41	Durability properties of alkali pozzolan cement (APC). Journal of the National Science Foundation of Sri Lanka, 2019, 47, 121.	0.1	3
42	Pompeii by Robert Harris: an engineering reading. Proceedings of the ICE - Engineering History and Heritage, 2010, 163, 255-260.	0.1	2
43	Development of a Structural Robustness Index against tsunamis for hospitals. Civil Engineering and Environmental Systems, 2021, 38, 85-101.	0.4	1
44	Discussion: Mechanical properties of old concrete using destructive and ultrasonic non-destructive testing methods. Magazine of Concrete Research, 2004, 56, 311-312.	0.9	0
45	Comparing the systems approaches of Checkland and Blockley. Civil Engineering and Environmental Systems, 2013, 30, 221-230.	0.4	0
46	Modelling of Corrosion Induced Cover Cracking in Concrete with Exposed Reinforcement. , 2018, , .		0
47	Connectivity of two-dimensional assemblies: trusses and roads. Civil Engineering and Environmental Systems, 2021, 38, 222-246.	0.4	0
48	Is Technology Neutral?. SpringerBriefs in Applied Sciences and Technology, 2019, , 79-89.	0.2	0
49	Shared Values for Aesthetics and Ethics?. SpringerBriefs in Applied Sciences and Technology, 2019, , 65-78.	0.2	0
50	Are Engineers Makers or Thinkers?. SpringerBriefs in Applied Sciences and Technology, 2019, , 9-21.	0.2	0
51	Conclusion: From Philosophy to Engineering. SpringerBriefs in Applied Sciences and Technology, 2019, , 117-124.	0.2	0
52	Is Knowledge Acquired by Thinking or Doing?. SpringerBriefs in Applied Sciences and Technology, 2019, , 91-101.	0.2	0
53	Can Practice Based Knowledge Be Formalized?. SpringerBriefs in Applied Sciences and Technology, 2019, , 103-116.	0.2	0
54	Are Failures the Pillars of Success?. SpringerBriefs in Applied Sciences and Technology, 2019, , 23-46.	0.2	0

#	ARTICLE	IF	CITATIONS
55	Structural Mechanics Analogies for a Resilience Audit and Index. , 2020, , .		0