

Priyan Dias

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

821
citations

623734

14
h-index

526287

27
g-index

57
all docs

57
docs citations

57
times ranked

730
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance based energy, ecological and financial costs of a sustainable alternative cement. Journal of Cleaner Production, 2021, 287, 125035.	9.3	15
2	Development of a Structural Robustness Index against tsunamis for hospitals. Civil Engineering and Environmental Systems, 2021, 38, 85-101.	0.9	1
3	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.	5.3	9
4	Connectivity of two-dimensional assemblies: trusses and roads. Civil Engineering and Environmental Systems, 2021, 38, 222-246.	0.9	0
5	Are environmental sustainability and happiness the keys to prosperity in Asian nations?. Ecological Indicators, 2020, 119, 106562.	6.3	13
6	Mechanical and Microstructural Properties of Alkali Pozzolan Cement (APC). International Journal of Civil Engineering, 2020, 18, 1281-1292.	2.0	4
7	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.	0.9	7
8	Structural Mechanics Analogies for a Resilience Audit and Index. , 2020, , .		0
9	Philosophy for Engineering. SpringerBriefs in Applied Sciences and Technology, 2019, , .	0.4	6
10	Derivation of tsunami damage curves from fragility functions. Natural Hazards, 2019, 96, 1153-1166.	3.4	8
11	Durability properties of alkali pozzolan cement (APC). Journal of the National Science Foundation of Sri Lanka, 2019, 47, 121.	0.2	3
12	Is Technology Neutral?. SpringerBriefs in Applied Sciences and Technology, 2019, , 79-89.	0.4	0
13	Shared Values for Aesthetics and Ethics?. SpringerBriefs in Applied Sciences and Technology, 2019, , 65-78.	0.4	0
14	Are Engineers Makers or Thinkers?. SpringerBriefs in Applied Sciences and Technology, 2019, , 9-21.	0.4	0
15	Conclusion: From Philosophy to Engineering. SpringerBriefs in Applied Sciences and Technology, 2019, , 117-124.	0.4	0
16	Is Knowledge Acquired by Thinking or Doing?. SpringerBriefs in Applied Sciences and Technology, 2019, , 91-101.	0.4	0
17	Can Practice Based Knowledge Be Formalized?. SpringerBriefs in Applied Sciences and Technology, 2019, , 103-116.	0.4	0
18	Are Failures the Pillars of Success?. SpringerBriefs in Applied Sciences and Technology, 2019, , 23-46.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Modelling of Corrosion Induced Cover Cracking in Concrete with Exposed Reinforcement. , 2018, , .		0
20	Dependencies among environmental performance indicators for buildings and their implications. Building and Environment, 2017, 123, 101-108.	6.9	3
21	Fragility curves for structures under tsunami loading. Natural Hazards, 2016, 80, 471-486.	3.4	32
22	Is <i>toughness</i> a better metaphor than <i>resilience</i>?. Civil Engineering and Environmental Systems, 2015, 32, 68-76.	0.9	5
23	Ratio based indicators and continuous score functions for better assessment of building sustainability. Energy, 2015, 83, 137-143.	8.8	23
24	The Disciplines of Engineering and History: Some Common Ground. Science and Engineering Ethics, 2014, 20, 539-549.	2.9	9
25	Design and development of Alkali Pozzolan Cement (APC). Construction and Building Materials, 2014, 68, 426-433.	7.2	21
26	Sustainability rating systems for buildings: Comparisons and correlations. Energy, 2013, 59, 22-28.	8.8	70
27	Comparing the systems approaches of Checkland and Blockley. Civil Engineering and Environmental Systems, 2013, 30, 221-230.	0.9	0
28	The Engineer's Identity Crisis: Homo Faber or Homo Sapiens?. Philosophy of Engineering and Technology, 2013, , 139-150.	0.3	5
29	Tsunami wave loading on buildings: a simplified approach. Journal of the National Science Foundation of Sri Lanka, 2012, 40, 211.	0.2	7
30	Aesthetics and Ethics in Engineering: Insights from Polanyi. Science and Engineering Ethics, 2011, 17, 233-243.	2.9	5
31	Pompeii by Robert Harris: an engineering reading. Proceedings of the ICE - Engineering History and Heritage, 2010, 163, 255-260.	0.2	2
32	Numerical modelling of cracks in masonry walls due to thermal movements in an overlying slab. Engineering Structures, 2010, 32, 1411-1422.	5.3	12
33	Managing conflict through ethics. Civil Engineering and Environmental Systems, 2010, 27, 255-262.	0.9	4
34	Systems 2030 – Emergent themes. Civil Engineering and Environmental Systems, 2010, 27, 177-187.	0.9	7
35	Philosophical underpinning for systems thinking. Interdisciplinary Science Reviews, 2008, 33, 202-213.	1.4	8
36	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.	0.2	6

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37	Philosophical grounding and computational formalization for practice based engineering knowledge. Knowledge-Based Systems, 2007, 20, 382-387.	7.1	11
38	Lessons learned from tsunami damage in Sri Lanka. Proceedings of the Institution of Civil Engineers: Civil Engineering, 2006, 159, 74-81.	0.3	26
39	Post-December 2004 Tsunami Reconstruction in Sri Lanka and Its Potential Impacts on Future Vulnerability. Earthquake Spectra, 2006, 22, 829-844.	3.1	17
40	Heidegger's resonance with engineering: The primacy of practice. Science and Engineering Ethics, 2006, 12, 523-532.	2.9	17
41	Quality based energy contents and carbon coefficients for building materials: A systems approach. Energy, 2004, 29, 561-580.	8.8	39
42	Discussion: Mechanical properties of old concrete using destructive and ultrasonic non-destructive testing methods. Magazine of Concrete Research, 2004, 56, 311-312.	2.0	0
43	Influence of drying on concrete sorptivity. Magazine of Concrete Research, 2004, 56, 537-543.	2.0	28
44	Heidegger's relevance for engineering: Questioning technology. Science and Engineering Ethics, 2003, 9, 389-396.	2.9	14
45	Dimensions of order in engineering design organizations. Design Studies, 2003, 24, 357-373.	3.1	7
46	Condition Assessment of a Deteriorated Cement Works. Journal of Performance of Constructed Facilities, 2003, 17, 188-195.	2.0	10
47	Performance of concrete mixes with OPC-PFA blends. Magazine of Concrete Research, 2003, 55, 161-170.	2.0	9
48	Neural networks for predicting properties of concretes with admixtures. Construction and Building Materials, 2001, 15, 371-379.	7.2	149
49	Reduction of concrete sorptivity with age through carbonation. Cement and Concrete Research, 2000, 30, 1255-1261.	11.0	140
50	SOFT SYSTEMS APPROACHES FOR ANALYSING PROPOSED CHANGE AND STAKEHOLDER RESPONSE - A CASE STUDY. Civil Engineering and Environmental Systems, 1999, 17, 1-17.	0.9	5
51	Multidisciplinary Product Modeling of Buildings. Journal of Computing in Civil Engineering, 1996, 10, 78-86.	4.7	11
52	REFLECTIVE PRACTICE IN ENGINEERING DESIGN.. Proceedings of the Institution of Civil Engineers: Civil Engineering, 1995, 108, 160-168.	0.3	21
53	The integration of product and process models for design. Design Studies, 1994, 15, 417-432.	3.1	13
54	CONFAULT-AN EXPERT SYSTEM FOR FAULT DIAGNOSIS IN REINFORCED CONCRETE STRUCTURES. Civil Engineering and Environmental Systems, 1992, 9, 147-160.	0.2	5

#	ARTICLE	IF	CITATIONS
55	Some properties of hardened cement paste and reinforcing bars upon cooling from elevated temperatures. Fire and Materials, 1992, 16, 29-35.	2.0	9