

Anil Sawhney

List of Publications by Year in descending order

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68
papers

1,841
citations

361413
20
h-index

276875
41
g-index

68
all docs

68
docs citations

68
times ranked

1285
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysing factors affecting delays in Indian construction projects. International Journal of Project Management, 2012, 30, 479-489.	5.6	477
2	Structural equation model for assessing impacts of contractor's performance on project success. International Journal of Project Management, 2011, 29, 687-695.	5.6	197
3	Structural equation model for investigating factors affecting delay in Indian construction projects. Construction Management and Economics, 2012, 30, 869-884.	3.0	85
4	Adoption of BIM by architectural firms in India: technologyâ€“organizationâ€“environment perspective. Architectural Engineering and Design Management, 2016, 12, 311-330.	1.7	71
5	Factors influencing BIM adoption in emerging marketsâ€“the case of India. International Journal of Construction Management, 2020, 20, 65-76.	3.2	65
6	Adaptive Probabilistic Neural Network-based Crane Type Selection System. Journal of Construction Engineering and Management - ASCE, 2002, 128, 265-273.	3.8	64
7	Environmental Impacts over the Life Cycle of Residential Buildings Using Different Exterior Wall Systems. Journal of Infrastructure Systems, 2009, 15, 211-221.	1.8	53
8	Driving lean and green project outcomes using BIM: A qualitative comparative analysis. International Journal of Sustainable Built Environment, 2017, 6, 69-80.	3.2	51
9	Implications of Even Flow Production Methodology for U.S. Housing Industry. Journal of Construction Engineering and Management - ASCE, 2003, 129, 330-337.	3.8	43
10	Issues of construction health and safety in developing countries: a case of Jordan. Construction Economics and Building, 2013, 13, 141-156.	0.9	37
11	Production System Loadingâ€“Cycle Time Relationship in Residential Construction. Journal of Construction Engineering and Management - ASCE, 2005, 131, 15-22.	3.8	35
12	Subjective and interactive duration estimation. Canadian Journal of Civil Engineering, 1993, 20, 457-470.	1.3	32
13	Modeling and Analysis of Concrete Production Plant Using Petri Nets. Journal of Computing in Civil Engineering, 1999, 13, 178-186.	4.7	31
14	Developing organizational capabilities to deliver lean and green project outcomes using BIM. Engineering, Construction and Architectural Management, 2018, 25, 1255-1276.	3.1	31
15	HSM-Simulationâ€“Based Planning Method for Construction Projects. Journal of Construction Engineering and Management - ASCE, 1995, 121, 297-303.	3.8	30
16	Construction project simulation using CYCLONE. Canadian Journal of Civil Engineering, 1998, 25, 16-25.	1.3	29
17	Modular Coordination and BIM: Development of Rule Based Smart Building Components. Procedia Engineering, 2015, 123, 519-527.	1.2	29
18	Development of a Framework for Quantifying the Environmental Impacts of Urban Development and Construction Practices. Environmental Science & Technology, 2007, 41, 5130-5136.	10.0	28

#	ARTICLE	IF	CITATIONS
19	Parametric Modelling for Designing Offsite Construction. Procedia Engineering, 2017, 196, 1114-1121.	1.2	24
20	State of offsite construction in India-Drivers and barriers. Journal of Physics: Conference Series, 2012, 364, 012109.	0.4	21
21	Prioritizing BIM Capabilities of an Organization: An Interpretive Structural Modeling Analysis. Procedia Engineering, 2017, 196, 2-10.	1.2	21
22	IntelliCranes: an integrated crane type and model selection system. Construction Management and Economics, 2001, 19, 227-237.	3.0	20
23	Production Equations for Unsteady-State Construction Processes. Journal of Construction Engineering and Management - ASCE, 2007, 133, 254-261.	3.8	19
24	Grand challenges for the Indian construction industry. Built Environment Project and Asset Management, 2014, 4, 317-334.	1.6	19
25	Implementation of Precast Technology in Indiaâ€œOpportunities and Challenges. Procedia Engineering, 2017, 196, 144-151.	1.2	18
26	Integrating rules of modular coordination to improve model authoring in BIM. International Journal of Construction Management, 2019, 19, 15-31.	3.2	18
27	International comparison of cost for the construction sector: towards a conceptual model. Civil Engineering and Environmental Systems, 2004, 21, 151-167.	0.9	17
28	Utilising Building Component Data from BIM for Formwork Planning. Construction Economics and Building, 2017, 17, 20-36.	0.9	17
29	Evaluating Offsite Technologies for Affordable Housing. Procedia Engineering, 2017, 196, 135-143.	1.2	16
30	Assessing determinants of PPP project performance. Property Management, 2018, 36, 67-85.	0.8	15
31	Computerized Tool for Hierarchical Simulationâ€œModeling. Journal of Computing in Civil Engineering, 1996, 10, 115-124.	4.7	12
32	Petri net based simulation of construction schedules. , 1997, , .		12
33	Concrete Bridge Demolition Methods and Equipment. Journal of Bridge Engineering, 1998, 3, 117-125.	2.9	12
34	Impact of Inspected Buffers on Production Parameters of Construction Processes. Journal of Construction Engineering and Management - ASCE, 2009, 135, 319-329.	3.8	11
35	G-BIM Framework and Development Process for Integrated AEC Design Automation. Procedia Engineering, 2014, 85, 10-17.	1.2	11
36	Drivers and Barriers to the Use of Building Information Modelling in India. International Journal of 3-D Information Modeling, 2013, 2, 46-63.	0.2	10

#	ARTICLE	IF	CITATIONS
37	International Comparison of Cost for the Construction Sector: Purchasing Power Parity. Journal of Construction Engineering and Management - ASCE, 2005, 131, 160-167.	3.8	9
38	Modeling and analysis of a mail processing plant using Petri nets. Advances in Engineering Software, 1999, 30, 543-549.	3.8	8
39	Internet Based Interactive Construction Management Learning System. , 2000, , 280.		8
40	Delay factors in construction of healthcare infrastructure projects: a comparison amongst developing countries. Asian Journal of Civil Engineering, 2020, 21, 649-661.	1.6	8
41	Analyzing Configurational Paths for Successful PPPs in Indian Urban Drinking Water Sector. Journal of Infrastructure Systems, 2020, 26, .	1.8	8
42	Application of artificial neural networks in interactive simulation. Computers and Industrial Engineering, 1996, 31, 417-420.	6.3	7
43	Petri net-based scheduling of construction projects. Civil Engineering and Environmental Systems, 2003, 20, 255-271.	0.9	7
44	Application of the DEVS Framework in Construction Simulation. , 2006, , .		7
45	Cloud computing to enhance collaboration, coordination and communication in the construction industry. , 2011, , .		7
46	Selection Framework for Evaluating Housing Technologies. Procedia Engineering, 2015, 123, 333-341.	1.2	7
47	A Multi-dimensional Subcontractor Evaluation Framework for Nonconventional Housing Systems. Procedia Engineering, 2017, 196, 253-261.	1.2	7
48	Sector-level objectives and associated inhibiting and enabling factors for the Indian real estate sector from a process standardisation perspective. Property Management, 2019, 37, 367-389.	0.8	7
49	Assessing off-site readiness in construction organisations: cases from India. Construction Innovation, 2022, 22, 320-341.	2.7	7
50	Significance of Real Estate Fund Management in India. Journal of Real Estate Literature, 2017, 25, 141-168.	0.7	7
51	Simulation of the structural steel erection process. , 1999, , .		6
52	Energy-Efficiency Strategies for Construction of Five Star Plus Homes. Practice Periodical on Structural Design and Construction, 2002, 7, 174-181.	1.3	6
53	Cost of Risk Transfer: Pricing Agreements in Residential Supply Chains. Journal of Architectural Engineering, 2004, 10, 112-118.	1.6	6
54	An off-site construction readiness maturity model for the Indian construction sector. Construction Innovation, 2021, 21, 123-142.	2.7	6

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55	Modeling Construction Safety as an Agent-Based Emergent Phenomenon. , 2007, , .		6
56	Java-based simulation of construction processes using Silk. , 1999, , .		5
57	A Discrete Event Simulation Model to Analyze the Residential Construction Inspection Process. , 2005, , 1.		5
58	Efficient Project Delivery Using Lean Principles - An Indian Case Study. Journal of the Institution of Engineers (India): Series A, 2016, 97, 19-26.	1.2	4
59	HIERARCHICAL AND MODULAR MODELING OF STRUCTURAL STEEL ERECTION PROCESS USING PETRI NETS. Civil Engineering and Environmental Systems, 1999, 17, 63-88.	0.9	3
60	Residential Construction and the Influence of Inspections on Cycle Time. , 2005, , 1.		2
61	Improving interâ€spatial comparison of construction costs. Engineering, Construction and Architectural Management, 2006, 13, 123-135.	3.1	2
62	Methodology for Estimating the Cost of Delay in Architectural Engineering Projects: Case of Metro Rails in India. Journal of the Institution of Engineers (India): Series A, 2019, 100, 311-318.	1.2	2
63	Discussion of â€œCustomer Satisfaction in Home Buildingâ€ by Å½eljko M. Torbica and Robert C. Stroh. Journal of Construction Engineering and Management - ASCE, 2002, 128, 364-365.	3.8	1
64	Relationships between System Loading and Cycle Time in a Residential Construction Production System. , 2003, , 1.		1
65	Digital ecosystems â€œin the construction industryâ€”current state and future trends. , 2020, , 42-61.		1
66	Petri Net-Based Scheduling of a Bridge Project. , 2000, , 107.		0
67	Special purpose simulation template for workflow analysis in construction. , 2007, , .		0
68	Scenario Thinking Approach for Leveraging ICT to Support SMEs in the Indian Construction Industry. Procedia Engineering, 2014, 85, 446-453.	1.2	0