

# Shih-Chung Kang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2367711/publications.pdf>

Version: 2024-02-01

30  
papers

696  
citations

623188

14  
h-index

610482

24  
g-index

31  
all docs

31  
docs citations

31  
times ranked

538  
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of Tangible and Augmented Reality Models in Engineering Graphics Courses. Journal of Professional Issues in Engineering Education and Practice, 2011, 137, 267-276.	0.9	132
2	Development of an Image Data Set of Construction Machines for Deep Learning Object Detection. Journal of Computing in Civil Engineering, 2021, 35, .	2.5	64
3	Three-Dimensional Simulation and Visualization of Crane Assisted Construction Erection Processes. Journal of Computing in Civil Engineering, 2009, 23, 363-371.	2.5	58
4	Vision-Based Method Integrating Deep Learning Detection for Tracking Multiple Construction Machines. Journal of Computing in Civil Engineering, 2021, 35, .	2.5	49
5	Using Augmented Reality in a Multiscreen Environment for Construction Discussion. Journal of Computing in Civil Engineering, 2015, 29, .	2.5	38
6	Computational Methods for Coordinating Multiple Construction Cranes. Journal of Computing in Civil Engineering, 2008, 22, 252-263.	2.5	37
7	A virtual reality tool for training in global engineering collaboration. Universal Access in the Information Society, 2019, 18, 243-255.	2.1	37
8	Game-based education for disaster prevention. AI and Society, 2015, 30, 463-475.	3.1	30
9	Numerical Methods to Simulate and Visualize Detailed Crane Activities. Computer-Aided Civil and Infrastructure Engineering, 2009, 24, 169-185.	6.3	28
10	Filtering disaster responses using crowdsourcing. Automation in Construction, 2018, 91, 182-192.	4.8	26
11	Lessons learnt from customization of a BIM tool for a design-build company. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'uan, 2014, 37, 189-199.	0.6	22
12	Ask Diana: A Keyword-Based Chatbot System for Water-Related Disaster Management. Water (Switzerland), 2019, 11, 234.	1.2	22
13	Benefits of Building Information Modelling in the Project Lifecycle: Construction Projects in Asia. International Journal of Advanced Robotic Systems, 2014, 11, 124.	1.3	20
14	RAS: a robotic assembly system for steel structure erection and assembly. International Journal of Intelligent Robotics and Applications, 2017, 1, 459-476.	1.6	20
15	Image-based semantic construction reconstruction. Automation in Construction, 2018, 90, 67-78.	4.8	15
16	A three-stage framework for introducing a 4D tool in large consulting firms. Advanced Engineering Informatics, 2010, 24, 476-489.	4.0	14
17	Workflow re-engineering of design-build projects using a BIM tool. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'uan, 2014, 37, 88-102.	0.6	13
18	Development of virtual equipment for a hydraulic mechanics experiment. Tsinghua Science and Technology, 2008, 13, 261-265.	4.1	12

#	ARTICLE	IF	CITATIONS
19	Dual-Light Inspection Method for Automatic Pavement Surveys. Journal of Computing in Civil Engineering, 2013, 27, 534-543.	2.5	11
20	Using virtual instruments to teach surveying courses: Application and assessment. Computer Applications in Engineering Education, 2011, 19, 411-420.	2.2	9
21	Four-Stage Framework for Implementing a Chatbot System in Disaster Emergency Operation Data Management: A Flood Disaster Management Case Study. KSCE Journal of Civil Engineering, 2021, 25, 503-515.	0.9	8
22	SEMA: A Site Equipment Management Assistant for Construction Management. KSCE Journal of Civil Engineering, 0, , 1.	0.9	6
23	Deep Learning Image Captioning in Construction Management: A Feasibility Study. Journal of Construction Engineering and Management - ASCE, 2022, 148, .	2.0	6
24	Modeling Systematic Errors for the Angle Measurement in a Virtual Surveying Instrument. Journal of Surveying Engineering, - ASCE, 2011, 137, 81-90.	1.0	5
25	Development of Virtual Equipment: Case Study of the Venturi Tube Experiment. Journal of Professional Issues in Engineering Education and Practice, 2013, 139, 281-289.	0.9	4
26	Service-based simulator for security robot. , 2008, , .		3
27	BotBeep &#x2014; An affordable warning device for wheelchair rearward safety. , 2013, , .		2
28	Editorial on Robotics in Building and Infrastructure. International Journal of Advanced Robotic Systems, 2014, 11, 134.	1.3	0
29	Portable Particle Image Velocimetry Measurement Using a Laser-Based Technique. Journal of Hydraulic Engineering, 2016, 142, 04016027.	0.7	0
30	Visual Awareness on Surface Flow Measurement. , 2017, , .		0