Jang-Woon Baek

List of Publications by Year
in descending order

36 papers	249 citations	1684188 5 h-index	1199594 12 g-index
37 all docs	37 docs citations	37 times ranked	146 citing authors

#	Article	IF	Citations
1	Development of Multi-Tee-Type Precast Concrete Slabs with Insulating Materials for Structural Safety at the Construction Stage. Applied Sciences (Switzerland), 2021, 11, 1693.	2.5	0
2	Low-Cost Real-time Driver Drowsiness Detection based on Convergence of IR Images and EEG Signals. , 2021, , .		2
3	Adv-Plate Attack: Adversarially Perturbed Plate for License Plate Recognition System. Journal of Sensors, 2021, 2021, 1-10.	1.1	5
4	Effect of Impact Load on Splice Length of Reinforcing Bars. International Journal of Concrete Structures and Materials, 2020, 14, .	3.2	7
5	Imagery based Parametric Classification of Correct and Incorrect Motion for Push-up Counter Using OpenPose. , 2020, , .		12
6	Edge Camera based Dynamic Lighting Control System for Smart Streetlights. , 2020, , .		5
7	A Methodology for the Zoning Danger Region in Small Arm Firing Range Using Aerial Photogrammetry with Drone. Advances in Civil Engineering, 2020, 2020, 1-12.	0.7	1
8	An Automatic Database Generation Algorithm for Local Optimization of CNN Object Detector for Edge Devices. , 2020, , .		0
9	Prediction of bond performance of tension lap splices using artificial neural networks. Engineering Structures, 2019, 198, 109535.	5.3	19
10	Shear-Friction Strength of Low-Rise Walls with 600 MPa (87 ksi) Reinforcing Bars. ACI Structural Journal, 2019, 117, .	0.2	4
11	Structural Behavior of Nuclear Power Plant Walls with Variable Loading Rates and Aspect Ratios. Journal of the Korea Concrete Institute, 2019, 31, 229-239.	0.2	0
12	Integrating Multiple Inferences for Vehicle Detection by Focusing on Challenging Test Sets. , 2018, , .		0
13	UA-DETRAC 2018: Report of AVSS2018 & IWT4S Challenge on Advanced Traffic Monitoring. , 2018, , .		33
14	Real-Time Drowsiness Detection Algorithm for Driver State Monitoring Systems. , 2018, , .		32
15	Minimum Shear Reinforcement of Slender Walls with Grade 500 MPa (72.5 ksi) Reinforcing Bars. ACI Structural Journal, 2018, 115, .	0.2	10
16	Fast and reliable two-wheeler detection algorithm for blind spot detection systems. , 2017, , .		1
17	Cyclic Loading Test for Walls of Aspect Ratio 1.0 and 0.5 with Grade 550 MPa Shear Reinforcing Bars. ACI Structural Journal, 2017, 114, .	0.2	37
18	Shear Connector Design of Steel Belt Truss-to-Concrete Mega Column Connection. ACI Structural Journal, 2017, 114, .	0.2	0

#	Article	IF	Citations
19	Fast and reliable tracking algorithm for on-road vehicle detection systems. , 2016, , .		5
20	Cyclic Loading Tests for Shear Strength of Low-Rise Reinforced Concrete Walls with Grade 550 MPa Bars. ACI Structural Journal, 2015, 112, .	0.2	51
21	Mono-camera based side vehicle detection for blind spot detection systems. , 2015, , .		8
22	Mono-camera based vehicle detection using effective candidate generation. , 2014, , .		1
23	Track Topology Based Reliable In-Network Aggregation Scheduling in Wireless Sensor Networks. IEICE Transactions on Communications, 2014, E97.B, 2386-2394.	0.7	0
24	FFS-FR: Flash File System for Fast Recovery. , 2012, , .		0
25	Position-Based <i>k</i>-Disjoint Path Routing for Reliable Data Gathering in Wireless Sensor Networks. IEICE Transactions on Communications, 2012, E95.B, 2658-2660.	0.7	2
26	Forest Fire Monitoring with an Adaptive In-Network Aggregation Scheduling in Wireless Sensor Networks. IEICE Transactions on Communications, 2012, E95.B, 2650-2653.	0.7	0
27	System generation tool for OSEK/VDX based automotive software development. , 2011, , .		0
28	Runtime debugging and monitoring tool for automotive software development. , 2011, , .		1
29	Software prober for power consumption analysis of embedded linux applications. , 2011, , .		0
30	Design and Implementation of OSEK/VDX System Generation for Automotive Domain Software Development Platform. Communications in Computer and Information Science, 2011, , 88-97.	0.5	0
31	Adaptive Multi-Path Routing with Guaranteed Target-Delivery Ratio of Critical Events in Wireless Sensor Networks. IEICE Transactions on Communications, 2010, E93-B, 392-395.	0.7	2
32	An Adaptive Timeout Aggregation for Periodic Data Gathering in Wireless Sensor Networks. , 2009, , .		0
33	ATS-DA: Adaptive Timeout Scheduling for Data Aggregation in Wireless Sensor Networks. Lecture Notes in Computer Science, 2008, , 375-384.	1.3	5
34	An Energy-Efficient k-Disjoint-Path Routing Algorithm for Reliable Wireless Sensor Networks. Lecture Notes in Computer Science, 2007, , 399-408.	1.3	5
35	An Intelligent Handoff Protocol for Adaptive Multimedia Streaming Service in Mobile Computing Environment. Lecture Notes in Computer Science, 2004, , 712-719.	1.3	0
36	iHOPE: An Intelligent Handoff Protocol for Seamless Multimedia Service in Wireless Network. Lecture Notes in Computer Science, 2003, , 483-487.	1.3	0