

Kaveh Barri

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

387
citations

840776

11
h-index

996975

15
g-index

20
all docs

20
docs citations

20
times ranked

259
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-Time Detection of Cracks on Concrete Bridge Decks Using Deep Learning in the Frequency Domain. <i>Engineering</i> , 2021, 7, 1786-1796.	6.7	56
2	Internet of things-based fog and cloud computing technology for smart traffic monitoring. <i>Internet of Things (Netherlands)</i> , 2021, 14, 100175.	7.7	54
3	Genetic programming in civil engineering: advent, applications and future trends. <i>Artificial Intelligence Review</i> , 2021, 54, 1863-1885.	15.7	43
4	Multifunctional meta-tribomaterial nanogenerators for energy harvesting and active sensing. <i>Nano Energy</i> , 2021, 86, 106074.	16.0	43
5	New machine learning prediction models for compressive strength of concrete modified with glass cullet. <i>Engineering Computations</i> , 2019, 36, 876-898.	1.4	32
6	Smartphone-based molecular sensing for advanced characterization of asphalt concrete materials. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 151, 107212.	5.0	26
7	Multifunctional Triboelectric Nanogenerator-Enabled Structural Elements for Next Generation Civil Infrastructure Monitoring Systems. <i>Advanced Functional Materials</i> , 2021, 31, 2105825.	14.9	26
8	High-performance fiber reinforced concrete as a repairing material to normal concrete structures: Experiments, numerical simulations and a machine learning-based prediction model. <i>Construction and Building Materials</i> , 2019, 223, 1167-1181.	7.2	25
9	Magnetic capsule triboelectric nanogenerators. <i>Scientific Reports</i> , 2022, 12, 89.	3.3	21
10	Patient-Specific Self-Powered Metamaterial Implants for Detecting Bone Healing Progress. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	21
11	An Intelligent Model for the Prediction of Bond Strength of FRP Bars in Concrete: A Soft Computing Approach. <i>Technologies</i> , 2019, 7, 42.	5.1	18
12	A Novel Data Reduction Approach for Structural Health Monitoring Systems. <i>Sensors</i> , 2019, 19, 4823.	3.8	4
13	Studying the Feasibility of Postoperative Monitoring of Spinal Fusion Progress Using a Self-Powered Fowler-Nordheim Sensor-Data-Logger. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 710-717.	4.2	4
14	Bond strength prediction of FRP-bar reinforced concrete. , 2019, , .		4
15	A molecular sensing method integrated with support vector machines to characterize asphalt mixtures. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 179, 109528.	5.0	3
16	Advanced multifunctional structures for future smart cities. , 2022, , 29-52.		2
17	Super compressible multifunctional metamaterial concrete. , 2022, , .		2
18	An integrated data mining approach to predict electrical energy consumption. <i>International Journal of Bio-Inspired Computation</i> , 2021, 17, 142.	0.9	1

#	ARTICLE	IF	CITATIONS
19	Multifunctional metamaterial sensor and nanogenerator. , 2021, , .		1
20	An implantable, battery-free sensing system for monitoring of spinal fusion. , 2021, , .		1