Kaveh Barri

List of Publications by Year
in descending order

20	387	840776 11	996975 15
papers	citations	h-index	g-index

20	20	20	259
all docs	docs citations	times ranked	citing authors

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

#	Article	IF	Citations
19	New machine learning prediction models for compressive strength of concrete modified with glass cullet. Engineering Computations, 2019, 36, 876-898.	1.4	32
20	Bond strength prediction of FRP-bar reinforced concrete. , 2019, , .		4