

Muhammad Imran Khan

List of Publications by Year in descending order

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36
papers

714
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516710

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Asphalt Design Using Recycled Plastic and Crumb-rubber Waste for Sustainable Pavement Construction. <i>Procedia Engineering</i> , 2016, 145, 1557-1564.	1.2	70
2	Design optimization and statistical modeling of cementitious grout containing irradiated plastic waste and silica fume using response surface methodology. <i>Construction and Building Materials</i> , 2021, 271, 121504.	7.2	51
3	Effective use of recycled waste PET in cementitious grouts for developing sustainable semi-flexible pavement surfacing using artificial neural network (ANN). <i>Journal of Cleaner Production</i> , 2022, 340, 130840.	9.3	48
4	Recycled Construction Debris as Concrete Aggregate for Sustainable Construction Materials. <i>Procedia Engineering</i> , 2016, 145, 1518-1525.	1.2	43
5	Modeling and optimization of mixing conditions for petroleum sludge modified bitumen using response surface methodology. <i>Construction and Building Materials</i> , 2020, 264, 120701.	7.2	40
6	Modeling and design optimization of reclaimed asphalt pavement containing crude palm oil using response surface methodology. <i>Construction and Building Materials</i> , 2021, 291, 123288.	7.2	38
7	Utilization of palm oil and its by-products in bio-asphalt and bio-concrete mixtures: A review. <i>Construction and Building Materials</i> , 2022, 337, 127552.	7.2	35
8	The Influence of COVID-19-Induced Daily Activities on Health Parameters—A Case Study in Malaysia. <i>Sustainability</i> , 2021, 13, 7465.	3.2	34
9	Effect of the addition and processing of glass polishing waste on the durability of geopolymeric mortars. <i>Case Studies in Construction Materials</i> , 2021, 15, e00662.	1.7	31
10	Physicochemical, rheological and microstructural properties of Nano-Silica modified Bio-Asphalt. <i>Construction and Building Materials</i> , 2021, 297, 123772.	7.2	30
11	Comparison of Performance Properties and Prediction of Regular and Gamma-Irradiated Granular Waste Polyethylene Terephthalate Modified Asphalt Mixtures. <i>Polymers</i> , 2021, 13, 2610.	4.5	29
12	Mechanical and deformation properties of rubberized engineered cementitious composite (ECC). <i>Case Studies in Construction Materials</i> , 2020, 13, e00385.	1.7	28
13	Assessment of local earthen bricks in perspective of physical and mechanical properties using Geographical Information System in Peshawar, Pakistan. <i>Structures</i> , 2020, 28, 2549-2561.	3.6	26
14	Investigating the mechanical properties and fuel spillage resistance of semi-flexible pavement surfacing containing irradiated waste PET based grouts. <i>Construction and Building Materials</i> , 2021, 304, 124641.	7.2	24
15	Effect of Irradiated and Non-Irradiated Waste PET Based Cementitious Grouts on Flexural Strength of Semi-Flexible Pavement. <i>Materials</i> , 2019, 12, 4133.	2.9	20
16	A review of the evolution of technologies to use sulphur as a pavement construction material. <i>International Journal of Pavement Engineering</i> , 2021, 22, 392-403.	4.4	20
17	Irradiated polyethylene terephthalate and fly ash based grouts for semi-flexible pavement: design and optimisation using response surface methodology. <i>International Journal of Pavement Engineering</i> , 2022, 23, 2515-2530.	4.4	18
18	Experimental Validation of Mander's Model for Low Strength Confined Concrete Under Axial Compression. , 2020, , .		17

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19	Performance Evaluation of Asphalt Modified with Municipal Wastes for Sustainable Pavement Construction. Sustainability, 2016, 8, 949.	3.2	14
20	Investigation on Hamburg Wheel-Tracking Device Stripping Performance Properties of Recycled Hot-Mix Asphalt Mixtures. Materials, 2020, 13, 4704.	2.9	14
21	Predictive Modeling of Compression Strength of Waste PET/SCM Blended Cementitious Grout Using Gene Expression Programming. Materials, 2022, 15, 3077.	2.9	11
22	Optimization of Cementitious Grouts for Semi-Flexible Pavement Surfaces Using Response Surface Methodology. IOP Conference Series: Earth and Environmental Science, 2020, 498, 012004.	0.3	9
23	Experimental and analytical investigation on the confinement behavior of low strength concrete under axial compression. Structures, 2022, 36, 303-313.	3.6	9
24	IMPROVEMENT AND CHARACTERIZATION OF SABKHA SOIL OF SAUDI ARABIA: A REVIEW. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	8
25	Study on Structural Performance of Asphalt Concrete and Hot Rolled Sheet Through Viscoelastic Characterization. Materials, 2020, 13, 1133.	2.9	8
26	Enhancing the Properties of Marl Soils for Effective Construction in Saudi Arabian Region. Engineering Journal, 2017, 21, 111-126.	1.0	8
27	Perspective of Life-Cycle Cost Analysis and Risk Assessment for Airport Pavement in Delaying Preventive Maintenance. Sustainability, 2022, 14, 2905.	3.2	7
28	Application of gamma irradiation on Polyethylene Terephthalate (PET) for use in asphaltic concrete mixtures as aggregates replacement. IOP Conference Series: Earth and Environmental Science, 2020, 498, 012008.	0.3	6
29	Effect of Cement Grouts Containing Irradiated Polyethylene Terephthalate on Properties of Semi-Flexible Mixtures. Key Engineering Materials, 0, 888, 3-8.	0.4	6
30	Life-Cycle Assessment of Using Sulfur-Extended Asphalt (SEA) in Pavements. , 2019, , .		3
31	Effect of Crumb Rubber, Epolene (EE-2), and Date Palm Ash as Modifiers on the Performance of Binders and Mixtures: A Sustainable Approach. Sustainability, 2019, 11, 6484.	3.2	3
32	Evaluation of flexible pavement distresses - A Case Study of Northern Bypass Peshawar, Pakistan. , 2021, , .		3
33	Performance Evaluation for Rutting and Moisture damage of Hot Asphalt Mixtures using High Percentage of Recycled Asphalt Pavement Material. IOP Conference Series: Earth and Environmental Science, 2020, 498, 012010.	0.3	2
34	Determining the Effect of Ageing of Nano-Clay Modified Bitumen Using Atomic Force Microscopy. Scientia Iranica, 2021, .	0.4	1
35	Cementitious Grouts Containing Irradiated Waste Polyethylene Terephthalate. , 0, , .		0
36	Investigating Mechanical Properties of Interlocking Concrete Blocks by Recycling Waste Polyethylene Terephthalate - A Sustainable Approach. , 2021, , .		0