

Muhammad Imran Khan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Experimental and analytical investigation on the confinement behavior of low strength concrete under axial compression. <i>Structures</i> , 2022, 36, 303-313.	3.6	9
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	Perspective of Life-Cycle Cost Analysis and Risk Assessment for Airport Pavement in Delaying Preventive Maintenance. <i>Sustainability</i> , 2022, 14, 2905.	3.2	7
5	Predictive Modeling of Compression Strength of Waste PET/SCM Blended Cementitious Grout Using Gene Expression Programming. <i>Materials</i> , 2022, 15, 3077.	2.9	11
6	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
7	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
8	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
9	Determining the Effect of Ageing of Nano-Clay Modified Bitumen Using Atomic Force Microscopy. <i>Scientia Iranica</i> , 2021, .	0.4	1
10	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
11	The Influence of COVID-19-Induced Daily Activities on Health Parametersâ€™A Case Study in Malaysia. <i>Sustainability</i> , 2021, 13, 7465.	3.2	34
12	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
13	Physicochemical, rheological and microstructural properties of Nano-Silica modified Bio-Asphalt. <i>Construction and Building Materials</i> , 2021, 297, 123772.	7.2	30
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 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
16	Investigating Mechanical Properties of Interlocking Concrete Blocks by Recycling Waste Polyethylene Terephthalate - A Sustainable Approach. , 2021, , .		0
17	Evaluation of flexible pavement distresses - A Case Study of Northern Bypass Peshawar, Pakistan. , 2021, , .		3
18	Application of gamma irradiation on Polyethylene Terephthalate (PET) for use in asphaltic concrete mixtures as aggregates replacement. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 498, 012008.	0.3	6

#	ARTICLE	IF	CITATIONS
19	Assessment of local earthen bricks in perspective of physical and mechanical properties using Geographical Information System in Peshawar, Pakistan. Structures, 2020, 28, 2549-2561.	3.6	26
20	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
21	Modeling and optimization of mixing conditions for petroleum sludge modified bitumen using response surface methodology. Construction and Building Materials, 2020, 264, 120701.	7.2	40
22	Investigation on Hamburg Wheel-Tracking Device Stripping Performance Properties of Recycled Hot-Mix Asphalt Mixtures. Materials, 2020, 13, 4704.	2.9	14
23	Mechanical and deformation properties of rubberized engineered cementitious composite (ECC). Case Studies in Construction Materials, 2020, 13, e00385.	1.7	28
24	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
25	Study on Structural Performance of Asphalt Concrete and Hot Rolled Sheet Through Viscoelastic Characterization. Materials, 2020, 13, 1133.	2.9	8
26	Experimental Validation of Mander's Model for Low Strength Confined Concrete Under Axial Compression. , 2020, , .		17
27	Life-Cycle Assessment of Using Sulfur-Extended Asphalt (SEA) in Pavements. , 2019, , .		3
28	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
29	Effect of Irradiated and Non-Irradiated Waste PET Based Cementitious Grouts on Flexural Strength of Semi-Flexible Pavement. Materials, 2019, 12, 4133.	2.9	20
30	Enhancing the Properties of Marl Soils for Effective Construction in Saudi Arabian Region. Engineering Journal, 2017, 21, 111-126.	1.0	8
31	Performance Evaluation of Asphalt Modified with Municipal Wastes for Sustainable Pavement Construction. Sustainability, 2016, 8, 949.	3.2	14
32	IMPROVEMENT AND CHARACTERIZATION OF SABKHA SOIL OF SAUDI ARABIA: A REVIEW. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	8
33	Asphalt Design Using Recycled Plastic and Crumb-rubber Waste for Sustainable Pavement Construction. Procedia Engineering, 2016, 145, 1557-1564.	1.2	70
34	Recycled Construction Debris as Concrete Aggregate for Sustainable Construction Materials. Procedia Engineering, 2016, 145, 1518-1525.	1.2	43
35	Cementitious Grouts Containing Irradiated Waste Polyethylene Terephthalate. , 0, , .		0
36	Effect of Cement Grouts Containing Irradiated Polyethylene Terephthalate on Properties of Semi-Flexible Mixtures. Key Engineering Materials, 0, 888, 3-8.	0.4	6