Mena I Souliman

List of Publications by Citations

48	323	11	16
papers	citations	h-index	g-index
52	398	1.8	3.65
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
48	Influence of Hydrogreen Bioasphalt on Viscoelastic Properties of Reclaimed Asphalt Mixtures. *Transportation Research Record*, **2013**, 2371, 13-22	1.7	49
47	Impact of recycled asphalt materials on asphalt binder properties and rutting and cracking performance of plant-produced mixtures. *Construction and Building Materials*, **2017**, 155, 654-663	6.7	29
46	Fiber-Reinforced Asphalt Concrete as Sustainable Paving Material for Airfields. *Transportation Research Record*, **2012**, 2266, 60-68	1.7	24
45	Laboratory Validation of an Endurance Limit for Asphalt Pavements **2013**,		21
44	Comparative assessment of the interlayer shear-bond strength of geogrid reinforcements in hot-mix asphalt. *Construction and Building Materials*, **2018**, 191, 726-735	6.7	20
43	Cost-effectiveness of Rubber and Polymer Modified Asphalt Mixtures as Related to Sustainable Fatigue Performance. *Procedia Engineering*, **2016**, 145, 404-411		18
42	Effects of tire inclination (turning traffic) and dynamic loading on the pavement stress–strain responses using 3-D finite element modeling. *International Journal of Pavement Research and Technology*, **2017**, 10, 304-314	2	17
41	Impact of Antistrip Additives on the Long-Term Aging Rheological Properties of Asphalt Binders. *Journal of Materials in Civil Engineering*, **2015**, 27,	3	16
40	Evaluation of select warm mix additives with polymer and rubber modified asphalt mixtures. *Canadian Journal of Civil Engineering*, **2015**, 42, 377-388	1.3	16
39	Endurance Limit for HMA Based on Healing Concept Using Uniaxial Tension-Compression Fatigue Test. *Journal of Materials in Civil Engineering*, **2014**, 26, 04014036	3	12
38	Correlating the asphalt-binder high-temperature properties (DSR) to HMA permanent deformation (RLPD) and field rutting: A laboratory-field study. *Construction and Building Materials*, **2020**, 262, 120761	6.7	12
37	Impact of lime on the mechanical and mechanistic performance of hot mixed asphalt mixtures. *Road Materials and Pavement Design*, **2015**, 16, 421-444	2.6	8
36	Preliminary prediction of endurance limit for asphalt rubber mixtures due to healing. *Canadian Journal of Civil Engineering*, **2014**, 41, 964-969	1.3	8
35	Mechanistic and Economical Characteristics of Asphalt Rubber Mixtures. *Advances in Civil Engineering*, **2016**, 2016, 1-6	1.3	8
34	Effects of Short-Term Aging on Asphalt Binders and Hot Mix Asphalt at Elevated Temperatures and Extended Aging Time. *MATEC Web of Conferences*, **2017**, 120, 07010	0.3	7
33	Comparison of Fatigue Damage, Healing, and Endurance Limit with Beam and Uniaxial Fatigue Tests. *Transportation Research Record*, **2014**, 2447, 32-41	1.7	7
32	Laboratory Validation of Healing-Based Fatigue Endurance Limit for Hot-Mix Asphalt. *Transportation Research Record*, **2013**, 2373, 1-10	1.7	6

#	Reference	IF	Cit.
31	Effect of Loading Waveform Pattern and Rest Period on Fatigue Life of Asphalt Concrete Using Viscoelastic Continuum Damage Model. *Transportation Research Record*, **2018**, 2672, 451-461	1.7	6
30	Integrated predictive artificial neural network fatigue endurance limit model for asphalt concrete pavements. *Canadian Journal of Civil Engineering*, **2019**, 46, 114-123	1.3	5
29	Treated versus Untreated Aggregate Bases for Flexible Pavements: Nationwide Comparative Case Study. *Transportation Research Record*, **2020**, 2674, 225-236	1.7	5
28	Mechanistic Analysis and Economic Benefits of Fiber-Reinforced Asphalt Mixtures. *Journal of Materials in Civil Engineering*, **2019**, 31, 04019142	3	4
27	Refining Conditions of Fatigue Testing of Hot Mix Asphalt. *Advances in Civil Engineering Materials*, **2012**, 1, 20120018	0.7	4
26	Development of comprehensive deflection parameters to evaluate the structural capacity of flexible pavements at the network level. *International Journal of Pavement Research and Technology*, **2019**, 12, 347-355	2	3
25	Laboratory evaluation of grid-reinforced HMA beams using the flexural bending-beam fatigue (FBBF) test in load-controlled mode. *International Journal of Pavement Engineering*, **2020**, 1-15	2.6	3
24	Fatigue Endurance Limit Model Utilizing Artificial Neural Network for Asphalt Concrete Pavements **2019**,		2
23	Mechanistic analysis and cost-effectiveness evaluation of asphalt rubber mixtures. *Road Materials and Pavement Design*, **2020**, 21, S76-S90	2.6	2
22	Comparison of Design Thicknesses for Flexible Airfield Pavement Based on Agency Limiting Subgrade Strain Criteria. *Transportation Research Record*, **2012**, 2305, 141-149	1.7	2
21	Data Collection to Support Implementation of the Mechanistic-Empirical Pavement Design Guide for County Roads. *Transportation Research Record*, **2011**, 2225, 67-77	1.7	2
20	Quantifying the Mechanistic and Economic Impacts of Using Asphalt Rubber Mixtures. *Sustainable Civil Infrastructures*, **2018**, 16-26	0.2	2
19	Reducing Inconsistency of HMA Flexure Fatigue Testing. *Journal of Materials in Civil Engineering*, **2016**, 28, 04015131	3	1
18	Mechanistic and Economic Impacts of Using Asphalt Rubber Mixtures at Various Vehicle Speeds. *Advances in Civil Engineering Materials*, **2018**, 7, 20170104	0.7	1
17	Predictive Artificial Neural Network Laboratory Fatigue Endurance Limit Model for Asphalt Concrete Pavements Based on the Volumetric Properties and Loading Conditions. *Transportation Research Record*, **2021**, 2675, 630-642	1.7	1
16	Evaluating the structural capacity of flexible pavements at the network level using layered elastic analysis. *Innovative Infrastructure Solutions*, **2021**, 6, 1	2.3	1
15	Estimating the impact of automated truck platoons on asphalt pavement's fatigue life using artificial neural networks. *International Journal of Pavement Engineering*, 1-13	2.6	1
14	Simple Approach for Designing Sustainable Pavement with Self-Healing Fatigue Cracking. *Journal of Transportation Engineering Part B: Pavements*, **2017**, 143, 04017004	1.4	0

13	Artificial neural network prediction model for in situ resilient modulus of subgrade soils for pavement design applications. *Innovative Infrastructure Solutions*, **2022**, 7, 1	2.3	0
12	Estimated remaining fatigue life of flexible pavements based on the normalized comprehensive area ratio deflection parameter. *Canadian Journal of Civil Engineering*, **2020**, 47, 546-555	1.3	0
11	Enhanced Flexible Pavement Performance Using Treated Compared to Untreated Aggregate Bases: A Comparative Case Study in the Southern United States. *Infrastructures*, **2021**, 6, 110	2.6	0
10	Effect of asphalt binders with identical PG grading from different suppliers on the laboratory performance of asphalt mixture. *International Journal of Pavement Research and Technology*, **2019**, 12, 117-124	2	
9	Fatigue behaviour of conventional and rubber-modified gap-graded asphalt mixtures using bending and axial fatigue tests. *Australian Journal of Civil Engineering*, **2020**, 1-13	1.8	
8	Mechanical and economical impacts of adding polymers into asphalt mixtures. *MATEC Web of Conferences*, **2017**, 120, 02019	0.3	
7	Mechanistic Assessment of Fatigue Performance and Cost Analysis of Pavement Overlays: Comparison between Conventional Hot Mixed Asphalt, Asphalt Rubber, and Polymer-Modified Mixtures. *Advances in Civil Engineering Materials*, **2019**, 8, 20190118	0.7	
6	Mechanistic Evaluation of the Long Term Performance Characteristics of Warm Mix Additives in Modified Asphalt Mixtures. *RILEM Bookseries*, **2016**, 411-416	0.5	
5	Influence of Laboratory Mixing Procedures on Volumetric and Mechanical Properties of RAP Mixtures. *Advances in Civil Engineering Materials*, **2013**, 2, 20120049	0.7	
4	Neural Network Modeling for the Rotational Viscosity of Reacted and Activated Rubber-Modified Binders. *Advances in Civil Engineering Materials*, **2021**, 10, 20200114	0.7	
3	Performance evaluation of jointed plain concrete pavements with sealed and unsealed joints in North Texas. *Canadian Journal of Civil Engineering*, **2019**, 46, 601-608	1.3	
2	Mechanistic Performance Analysis of Fiber-Reinforced Asphalt Pavement Overlays. *Sustainable Civil Infrastructures*, **2021**, 83-90	0.2	
1	Development of a Smartphone Application Serving Pavement Management Engineers. *Transportation Research Record*,036119812110733	1.7	