

Zhanping You

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

440
papers

11,425
citations

53
h-index

84
g-index

477
ext. papers

14,116
ext. citations

4.6
avg, IF

7.21
L-index

#	Paper	IF	Citations
440	Viscoelastic Properties, Rutting Resistance, and Fatigue Resistance of Waste Wood-Based Biochar-Modified Asphalt. <i>Coatings</i> , 2022 , 12, 89	2.9	3
439	Review on Applications of Lignin in Pavement Engineering: A Recent Survey. <i>Frontiers in Materials</i> , 2022 , 8,	4	1
438	Research on the anti-aging mechanism of SBS-modified asphalt compounded with multidimensional nanomaterials based on atomic force microscopy. <i>Construction and Building Materials</i> , 2022 , 317, 125808	6.7	1
437	The effect of styrene-butadiene rubber modification on the properties of asphalt binders: Aging and restoring. <i>Construction and Building Materials</i> , 2022 , 316, 126034	6.7	1
436	Asphalt Mixture with Scrap Tire Rubber and Nylon Fiber from Waste Tires: Laboratory Performance and Preliminary M-E Design Analysis. <i>Buildings</i> , 2022 , 12, 160	3.2	5
435	Characteristics of mineral fillers and their effects on mastic fracture resistance at intermediate temperature 20 ?. <i>Construction and Building Materials</i> , 2022 , 323, 126568	6.7	1
434	Chemical characteristics analyze of SBS-modified bitumen containing composite nanomaterials after aging by FTIR and GPC. <i>Construction and Building Materials</i> , 2022 , 324, 126522	6.7	0
433	Low-density polyethylene/ethylene vinyl acetate compound modified asphalt: Optimal preparation process and high-temperature rheological properties. <i>Construction and Building Materials</i> , 2022 , 314, 125688	6.7	2
432	Influences of different modification methods on surface activation of waste tire rubber powder applied in cement-based materials. <i>Construction and Building Materials</i> , 2022 , 314, 125191	6.7	1
431	Mechanical behaviors of asphalt mixtures modified with European rock bitumen and waste cooking oil. <i>Construction and Building Materials</i> , 2022 , 319, 125909	6.7	4
430	Virtual design of asphalt mixtures using a growth and contact model based on realistic aggregates. <i>Construction and Building Materials</i> , 2022 , 320, 126322	6.7	
429	Discrete Element Simulation of the Internal Structures of Asphalt Mixtures with High Content of Tire Rubber. <i>Lecture Notes in Civil Engineering</i> , 2022 , 425-439	0.3	
428	The Low Temperature Performance of Rubberized Bituminous Mixture Using the Dry Process. <i>RILEM Bookseries</i> , 2022 , 1839-1844	0.5	
427	Influence of silane-hydrolysate coupling agents on bitumen aggregate interfacial adhesion: An exploration from molecular dynamics simulation. <i>International Journal of Adhesion and Adhesives</i> , 2022 , 112, 102993	3.4	4
426	Atomistic-scale investigation of self-healing mechanism in Nano-silica modified asphalt through molecular dynamics simulation. <i>Journal of Infrastructure Preservation and Resilience</i> , 2022 , 3,	2.1	2
425	Experimental assessments of methanol-based foaming agent in latex modified foamed binders and warm asphalt mixtures 2022 , 2, 84-97		0
424	Highway constructions on the Qinghai-Tibet Plateau: Challenge, research and practice 2022 , 2, 1-60		0

4 ²³	Evaluation of test methods for fracture resistance of high modulus asphalt binders from rheological and mechanical perspectives. <i>Construction and Building Materials</i> , 2022 , 329, 127216	6.7	0
4 ²²	Preparation process and performance of thermoplastic polyurethane/amorphous poly alpha olefin compound modified bitumen. <i>Journal of Cleaner Production</i> , 2022 , 352, 131562	10.3	0
4 ²¹	Influence of sea salt on the interfacial adhesion of bitumen-aggregate systems by molecular dynamics simulation. <i>Construction and Building Materials</i> , 2022 , 336, 127471	6.7	1
4 ²⁰	Optimal design of fresh sand fog seal mortar using response surface methodology (RSM): Towards to its workability and rheological properties. <i>Construction and Building Materials</i> , 2022 , 340, 127638	6.7	1
4 ¹⁹	Evaluation of lab performance of stamp sand and acrylonitrile styrene acrylate waste composites without asphalt as road surface materials. <i>Construction and Building Materials</i> , 2022 , 338, 127569	6.7	2
4 ¹⁸	New Methodology to Characterize the Workability of Asphaltic Concrete Mixtures Based on Kinematic Compaction Energy. <i>Sustainability</i> , 2022 , 14, 6550	3.6	
4 ¹⁷	Effect of Freeze-thaw cycles on the pavement performance of SBS modified and composite crumb rubber modified asphalt mixtures. <i>Construction and Building Materials</i> , 2022 , 342, 127799	6.7	2
4 ¹⁶	Discussion on molecular dynamics (MD) simulations of the asphalt materials. <i>Advances in Colloid and Interface Science</i> , 2021 , 299, 102565	14.3	7
4 ¹⁵	New innovations in pavement materials and engineering: A review on pavement engineering research 2021. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2021 , 8, 815-815	3.9	16
4 ¹⁴	Review on the fatigue properties of recycled asphalt concrete containing construction and demolition wastes. <i>Journal of Cleaner Production</i> , 2021 , 327, 129478	10.3	4
4 ¹³	Mechanism and rheological characterization of MDI modified Wood-Based Bio-Oil asphalt. <i>Construction and Building Materials</i> , 2021 , 309, 125113	6.7	1
4 ¹²	Effect of Water Absorption and Loss Characteristics of Fine Aggregates on Aggregate-Asphalt Adhesion. <i>KSCE Journal of Civil Engineering</i> , 2021 , 25, 2020-2035	1.9	1
4 ¹¹	Characterization and evaluation of morphological features for aggregate in asphalt mixture: A review. <i>Construction and Building Materials</i> , 2021 , 273, 121989	6.7	9
4 ¹⁰	Recycling fish scale powder in improving the performance of asphalt: A sustainable utilization of fish scale waste in asphalt. <i>Journal of Cleaner Production</i> , 2021 , 288, 125682	10.3	16
4 ⁰⁹	Relationship between Air Voids and Permeability: Effect on Water Scouring Resistance in HMA. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04021022	3	5
4 ⁰⁸	Cold In-Place Recycling Asphalt Mixtures: Laboratory Performance and Preliminary M-E Design Analysis. <i>Materials</i> , 2021 , 14,	3.5	6
4 ⁰⁷	Effect of Coarse Aggregate Characteristics on Skid Resistance Deterioration of the Ultrathin Wearing Course. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04021051	3	2
4 ⁰⁶	Behavioural interface-bonding and chemical characterization of silane and wax based additives on latex modified asphalt binders. <i>International Journal of Adhesion and Adhesives</i> , 2021 , 106, 102822	3.4	1

405	Effect of crumb rubber size on the performance of rubberized asphalt with bio-oil pretreatment. <i>Construction and Building Materials</i> , 2021 , 285, 122864	6.7	10
404	Morphological simplification of asphaltic mixture components for micromechanical simulation using finite element method. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2021 , 36, 1435	8.4	4
403	Towards an understanding of diffusion mechanism of bio-rejuvenators in aged asphalt binder through molecular dynamics simulation. <i>Journal of Cleaner Production</i> , 2021 , 299, 126927	10.3	21
402	Influence of Different Fillers on Mechanical Properties of Porous Asphalt Mixtures Using Microstructural Finite-Element Analysis. <i>Journal of Transportation Engineering Part B: Pavements</i> , 2021 , 147, 04021004	1.4	1
401	Stability prediction for asphalt mixture based on evolutionary characterization of aggregate skeleton. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2021 , 36, 1453	8.4	4
400	Mechanical performance of asphalt rejuvenated with various vegetable oils. <i>Construction and Building Materials</i> , 2021 , 293, 123485	6.7	10
399	Short- and long-term properties of glass fiber reinforced asphalt mixtures. <i>International Journal of Pavement Engineering</i> , 2021 , 22, 64-76	2.6	20
398	Influence of ethylene-vinyl acetate on the performance improvements of low-density polyethylene-modified bitumen. <i>Journal of Cleaner Production</i> , 2021 , 278, 123865	10.3	9
397	Standardization to evaluate the lasting capacity of rubberized asphalt mixtures with different testing approaches. <i>Construction and Building Materials</i> , 2021 , 269, 121341	6.7	19
396	Unified characterizing fatigue performance of rubberized asphalt mixtures subjected to different loading modes. <i>Journal of Cleaner Production</i> , 2021 , 279, 123740	10.3	23
395	3-D virtual design and microstructural modeling of asphalt mixture based on a digital aggregate library. <i>Computers and Structures</i> , 2021 , 242, 106378	4.5	7
394	Leaching evaluation and performance assessments of asphalt mixtures with recycled cathode ray tube glass: A preliminary study. <i>Journal of Cleaner Production</i> , 2021 , 279, 123716	10.3	18
393	Effect of long-term aging on waste tire rubber and amorphous poly alpha olefin compound modified asphalt binder and its mixtures. <i>Construction and Building Materials</i> , 2021 , 272, 121667	6.7	11
392	Three-Dimensional Characterization and Evaluation of Aggregate Skeleton of Asphalt Mixture Based on Force-Chain Analysis. <i>Journal of Engineering Mechanics - ASCE</i> , 2021 , 147, 04020147	2.4	9
391	Workability, compactibility and engineering properties of rubber-modified asphalt mixtures prepared via wet process. <i>International Journal of Pavement Research and Technology</i> , 2021 , 14, 560-569 ²		1
390	Physical, chemical and morphology characterisation of nano ceramic powder as bitumen modification. <i>International Journal of Pavement Engineering</i> , 2021 , 22, 858-871	2.6	7
389	Strength and fatigue performance for cement-treated aggregate base materials. <i>International Journal of Pavement Engineering</i> , 2021 , 22, 690-699	2.6	29
388	A numerical study on rutting behaviour of direct coal liquefaction residue modified asphalt mixture. <i>Road Materials and Pavement Design</i> , 2021 , 22, 1454-1468	2.6	2

387	Influence of air void structures on the coefficient of permeability of asphalt mixtures. <i>Powder Technology</i> , 2021 , 377, 1-9	5.2	9
386	Revealing compatibility mechanism of nanosilica in asphalt through molecular dynamics simulation. <i>Journal of Molecular Modeling</i> , 2021 , 27, 81	2	11
385	Surface-treated fish scale powder with silane coupling agent in asphalt for performance improvement: Conventional properties, rheology, and morphology. <i>Journal of Cleaner Production</i> , 2021 , 311, 127772	10.3	3
384	Effects of Sodium Sulfate Attack on Concrete Incorporated with Drying-Wetting Cycles. <i>Advances in Civil Engineering</i> , 2021 , 2021, 1-12	1.3	1
383	Application of Epoxy-Asphalt Composite in Asphalt Paving Industry: A Review with Emphasis on Physicochemical Properties and Pavement Performances. <i>Advances in Materials Science and Engineering</i> , 2021 , 2021, 1-35	1.5	3
382	High, intermediate and low temperature performance appraisal of elastomeric and plastomeric asphalt binders and mixes. <i>Journal of Elastomers and Plastics</i> , 2021 , 009524432110386	1.6	4
381	Evaluation of waste cooling oil and European Rock Asphalt modified asphalt with laboratory tests and economic cost comparison. <i>Journal of Cleaner Production</i> , 2021 , 310, 127364	10.3	9
380	A review on compatibility between crumb rubber and asphalt binder. <i>Construction and Building Materials</i> , 2021 , 297, 123820	6.7	13
379	Influence of concentration and packing of filler particles on the stiffening effect and shearing behaviour of asphalt mastic. <i>Construction and Building Materials</i> , 2021 , 295, 123660	6.7	3
378	Effect of physical hardening on low temperature performance of DCLR modified asphalt. <i>Construction and Building Materials</i> , 2021 , 295, 123545	6.7	0
377	Establishment and extension of digital aggregate database using auxiliary classifier Wasserstein GAN with gradient penalty. <i>Construction and Building Materials</i> , 2021 , 300, 124217	6.7	0
376	Waste cathode-ray-tube glass powder modified asphalt materials: Preparation and characterization. <i>Journal of Cleaner Production</i> , 2021 , 314, 127949	10.3	5
375	Concave distribution characterization of asphalt pavement surface segregation using smartphone and image processing based techniques. <i>Construction and Building Materials</i> , 2021 , 301, 124111	6.7	3
374	Preliminary study of modified asphalt binders with thermoplastics: The Rheology properties and interfacial adhesion between thermoplastics and asphalt binder. <i>Construction and Building Materials</i> , 2021 , 301, 124373	6.7	5
373	Automated pixel-level pavement distress detection based on stereo vision and deep learning. <i>Automation in Construction</i> , 2021 , 129, 103788	9.6	17
372	Rheological behavior of high modulus asphalt binder and its indication for fracture performances. <i>Construction and Building Materials</i> , 2021 , 306, 124835	6.7	3
371	A Review of Asphaltic Crack Healing Approaches and Its Mechanism. <i>Advances in Materials Science and Engineering</i> , 2021 , 2021, 1-15	1.5	
370	Design and Performance of Polyurethane Elastomers Composed with Different Soft Segments. <i>Materials</i> , 2020 , 13,	3.5	6

369	Laboratory Evaluation of the Residue of Rubber-Modified Emulsified Asphalt. <i>Sustainability</i> , 2020 , 12, 8383	3.6	4
368	Sensitivity of Rigid Pavement Performance Predictions to Individual Climate Variables using Pavement ME Design. <i>Journal of Transportation Engineering Part B: Pavements</i> , 2020 , 146, 04020028	1.4	2
367	Analysis of interfacial adhesion properties of nano-silica modified asphalt mixtures using molecular dynamics simulation. <i>Construction and Building Materials</i> , 2020 , 255, 119354	6.7	51
366	Improvements on high-temperature stability, rheology, and stiffness of asphalt binder modified with waste crayfish shell powder. <i>Journal of Cleaner Production</i> , 2020 , 264, 121745	10.3	33
365	Anisotropy of multi-layered structure with sliding and bonded interlayer conditions. <i>Frontiers of Structural and Civil Engineering</i> , 2020 , 14, 632-645	2.5	3
364	Adaptive Three-Dimensional Aggregate Shape Fitting and Mesh Optimization for Finite-Element Modeling. <i>Journal of Computing in Civil Engineering</i> , 2020 , 34, 04020020	5	4
363	Investigating fatigue life prediction of rubber asphalt mixture based on damage evolution using residual strain analysis approach. <i>Construction and Building Materials</i> , 2020 , 257, 119476	6.7	13
362	Region-based adaptive asphalt mixture microstructural modeling for efficient numerical simulation. <i>Construction and Building Materials</i> , 2020 , 257, 119431	6.7	2
361	Dynamic friction coefficient between tire and compacted asphalt mixtures using tire-pavement dynamic friction analyzer. <i>Construction and Building Materials</i> , 2020 , 258, 119492	6.7	6
360	Porosity Prediction of Granular Materials through Discrete Element Method and Back Propagation Neural Network Algorithm. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1693	2.6	4
359	Comparisons of Natural and Enhanced Asphalt Mixtures Containing Recycled Cement-Stabilized Macadam as Aggregates. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 05020003	3	7
358	Serviceability during asphaltic concrete production and leaching concerns of asphalt mixture prepared with recycled paper mill sludge. <i>International Journal of Pavement Engineering</i> , 2020 , 1-11	2.6	3
357	Rheological and Spectroscopic Properties of Ethylene Vinyl Acetate Modified Rubberized Asphalt. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 04020142	3	6
356	Rheological properties and chemical characterisation of reacted and activated rubber modified asphalt binder. <i>Road Materials and Pavement Design</i> , 2020 , 21, S140-S154	2.6	4
355	Characteristics of cement-stabilized macadam containing surface-treated recycled aggregates. <i>Road Materials and Pavement Design</i> , 2020 , 1-15	2.6	7
354	The Effect of Waste Engine Oil and Waste Polyethylene on UV Aging Resistance of Asphalt. <i>Polymers</i> , 2020 , 12,	4.5	12
353	Influence of Coarse-Aggregate Angularity on Asphalt Mixture Macroperformance: Skid Resistance, High-Temperature, and Compaction Performance. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 04020095	3	14
352	Three-dimensional quantification and classification approach for angularity and surface texture based on surface triangulation of reconstructed aggregates. <i>Construction and Building Materials</i> , 2020 , 246, 118120	6.7	12

351	Measurement and modeling of skid resistance of asphalt pavement: A review. <i>Construction and Building Materials</i> , 2020 , 260, 119878	6.7	28
350	Study on impact of variables to pavement preheating operation in HIR by using FEM. <i>Construction and Building Materials</i> , 2020 , 243, 118304	6.7	3
349	Investigation of asphalt mixture internal structure consistency in accelerated discrete element models. <i>Construction and Building Materials</i> , 2020 , 244, 118272	6.7	8
348	Homogeneity evaluation of hot in-place recycling asphalt mixture using digital image processing technique. <i>Journal of Cleaner Production</i> , 2020 , 258, 120524	10.3	19
347	Laboratory performance of asphalt mixture with waste tyre rubber and APAO modified asphalt binder. <i>International Journal of Pavement Engineering</i> , 2020 , 1-11	2.6	9
346	Effect of a lignin-based polyurethane on adhesion properties of asphalt binder during UV aging process. <i>Construction and Building Materials</i> , 2020 , 247, 118547	6.7	13
345	Characteristics of compound asphalt modified by waste tire rubber (WTR) and ethylene vinyl acetate (EVA): Conventional, rheological, and microstructural properties. <i>Journal of Cleaner Production</i> , 2020 , 258, 120732	10.3	29
344	Stability and rheology of asphalt-emulsion under varying acidic and alkaline levels. <i>Journal of Cleaner Production</i> , 2020 , 256, 120417	10.3	11
343	Combined Fourier-wavelet transforms for studying dynamic response of anisotropic multi-layered flexible pavement with linear-gradual interlayers. <i>Applied Mathematical Modelling</i> , 2020 , 81, 559-581	4.5	13
342	Using surface free energy to evaluate the fracture performance of asphalt binders. <i>Construction and Building Materials</i> , 2020 , 240, 118004	6.7	11
341	Correlate aggregate angularity characteristics to the skid resistance of asphalt pavement based on image analysis technology. <i>Construction and Building Materials</i> , 2020 , 242, 118150	6.7	17
340	Investigation on the morphological and mineralogical properties of coarse aggregates under VSI crushing operation. <i>International Journal of Pavement Engineering</i> , 2020 , 1-14	2.6	13
339	Microscopic analysis and mechanical properties of Recycled Paper Mill Sludge modified asphalt mixture using granite and limestone aggregates. <i>Construction and Building Materials</i> , 2020 , 243, 118172	6.7	7
338	Assessing artificial neural network performance for predicting interlayer conditions and layer modulus of multi-layered flexible pavement. <i>Frontiers of Structural and Civil Engineering</i> , 2020 , 14, 487-500	2.5	15
337	External sulfate attack on concrete under combined effects of flexural fatigue loading and drying-wetting cycles. <i>Construction and Building Materials</i> , 2020 , 249, 118224	6.7	21
336	Aggregate Representation Approach in 3D Discrete-Element Modeling Supporting Adaptive Shape and Mass Property Fitting of Realistic Aggregates. <i>Journal of Engineering Mechanics - ASCE</i> , 2020 , 146, 04020042	2.4	8
335	Experimental Study on the Performance Decay of Permeable Asphalt Mixture in Seasonally Frozen Regions under Freeze-Thaw Cycles. <i>Sustainability</i> , 2020 , 12, 2966	3.6	4
334	Modeling shear stress response of bituminous materials under small and large strains. <i>Construction and Building Materials</i> , 2020 , 252, 119133	6.7	4

333	Effect of Key Aggregate Morphology and Mold Modulus on the Spatial Distribution of Internal Air Voids in the Compacted Asphalt Mixture. <i>Journal of Testing and Evaluation</i> , 2020 , 48, 20180454	1	2
332	Study on Workability and Skid Resistance of Bio-Oil Modified Fog Seal with Sand. <i>Journal of Testing and Evaluation</i> , 2020 , 48, 20190224	1	7
331	Effect of Asphalt Grade and Polymer Type (SBS and EE-2) on Produced PMB and Asphalt Concrete Mix Properties. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 04020385	3	1
330	How to Achieve Efficiency and Accuracy in Discrete Element Simulation of Asphalt Mixture: A DRF-Based Equivalent Model for Asphalt Sand Mortar. <i>Advances in Civil Engineering</i> , 2020 , 2020, 1-10	1.3	0
329	Morphological Identification of Latex Modified Asphalt Binder Prepared with Surfactants. <i>Lecture Notes in Civil Engineering</i> , 2020 , 1175-1185	0.3	1
328	Warm mix asphalt technology: An up to date review. <i>Journal of Cleaner Production</i> , 2020 , 268, 122128	10.3	56
327	Self-healing capability of asphalt mixture containing polymeric composite fibers under acid and saline-alkali water solutions. <i>Journal of Cleaner Production</i> , 2020 , 268, 122387	10.3	17
326	Rheological properties and micro-characteristics of polyurethane composite modified asphalt. <i>Construction and Building Materials</i> , 2020 , 234, 117395	6.7	25
325	Performance assessments of open-graded cement stabilized macadam containing recycled aggregate. <i>Construction and Building Materials</i> , 2020 , 233, 117326	6.7	11
324	Impacts of recycled crumb rubber powder and natural rubber latex on the modified asphalt rheological behaviour, bonding, and resistance to shear. <i>Construction and Building Materials</i> , 2020 , 234, 117357	6.7	37
323	Performance and optimization of castor beans-based bio-asphalt and European rock-asphalt modified asphalt binder. <i>Construction and Building Materials</i> , 2020 , 240, 117951	6.7	16
322	Prediction of the coefficient of permeability of asphalt mixtures using the lattice Boltzmann method. <i>Construction and Building Materials</i> , 2020 , 240, 117896	6.7	9
321	Use of tung oil as a rejuvenating agent in aged asphalt: Laboratory evaluations. <i>Construction and Building Materials</i> , 2020 , 239, 117783	6.7	30
320	Rheological models for non-newtonian viscosity of modified asphalt binders and mastics. <i>Egyptian Journal of Petroleum</i> , 2020 , 29, 105-112	3.4	4
319	High modulus asphalt concrete: A state-of-the-art review. <i>Construction and Building Materials</i> , 2020 , 237, 117653	6.7	20
318	Investigation of anti-icing, anti-skid, and water impermeability performances of an acrylic superhydrophobic coating on asphalt pavement. <i>Construction and Building Materials</i> , 2020 , 264, 120702	6.7	11
317	Investigation of hot mixture asphalt with high ground tire rubber content. <i>Journal of Cleaner Production</i> , 2020 , 277, 124037	10.3	13
316	Role of mineral filler in asphalt mixture. <i>Road Materials and Pavement Design</i> , 2020 , 1-40	2.6	16

315	Investigating the mechanisms of rubber, styrene-butadiene-styrene and ethylene-vinyl acetate in asphalt binder based on rheological and distress-related tests. <i>Construction and Building Materials</i> , 2020 , 262, 120744	6.7	9
314	Modification Mechanism of Using Waste WoodBased Bio-Oil to Modify Petroleum Asphalt. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 04020375	3	8
313	Review on evolution and evaluation of asphalt pavement structures and materials. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2020 , 7, 573-599	3.9	15
312	Unified approach to characterize the strength of cement stabilized macadam subjected to different loading modes. <i>Construction and Building Materials</i> , 2020 , 265, 120143	6.7	1
311	Application of phase change material in asphalt mixture [A review. <i>Construction and Building Materials</i> , 2020 , 263, 120219	6.7	17
310	Experimental and molecular dynamics simulation study on thermal, transport, and rheological properties of asphalt. <i>Construction and Building Materials</i> , 2020 , 265, 120358	6.7	17
309	Effects of surface texture and its mineral composition on interfacial behavior between asphalt binder and coarse aggregate. <i>Construction and Building Materials</i> , 2020 , 262, 120869	6.7	10
308	Engineering and microscopic characteristics of natural rubber latex modified binders incorporating silane additive. <i>International Journal of Pavement Engineering</i> , 2020 , 21, 1874-1883	2.6	9
307	Open-graded asphalt concrete grouted by latex modified cement mortar. <i>Road Materials and Pavement Design</i> , 2020 , 21, 61-77	2.6	17
306	A Review on Utilization of Electronic Waste Plastics for Use Within Asphaltic Concrete Materials: Development, Opportunities and Challenges for Successful Implementation 2020 , 737-749		2
305	Laboratory investigation of fatigue parameters characteristics of aging asphalt mixtures: A dissipated energy approach. <i>Construction and Building Materials</i> , 2020 , 230, 116972	6.7	17
304	High-temperature rheological behavior and fatigue performance of lignin modified asphalt binder. <i>Construction and Building Materials</i> , 2020 , 230, 117063	6.7	54
303	Crack resistance of waste cooking oil modified cement stabilized macadam. <i>Journal of Cleaner Production</i> , 2020 , 243, 118525	10.3	14
302	Assessment and mechanism analysis of municipal solid waste incineration bottom ash as aggregate in cement stabilized macadam. <i>Journal of Cleaner Production</i> , 2020 , 244, 118750	10.3	19
301	Preparation process of bio-oil and bio-asphalt, their performance, and the application of bio-asphalt: A comprehensive review. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2020 , 7, 137-151	3.9	24
300	High-Temperature Performance of Polymer-Modified Asphalt Mixes: Preliminary Evaluation of the Usefulness of Standard Technical Index in Polymer-Modified Asphalt. <i>Polymers</i> , 2019 , 11,	4.5	20
299	Laboratory shear bond test for chip-seal under varying environmental and material conditions. <i>International Journal of Pavement Engineering</i> , 2019 , 1-9	2.6	5
298	Construction Technology of Warm and Hot Mix Epoxy Asphalt Paving for Long-Span Steel Bridge. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019 , 145, 04019074	4.2	17

297	Determining Aggregate Grain Size Using Discrete-Element Models of Sieve Analysis. <i>International Journal of Geomechanics</i> , 2019 , 19, 04019014	3.1	14
296	Investigation of adhesion and interface bond strength for pavements underlying chip-seal: Effect of asphalt-aggregate combinations and freeze-thaw cycles on chip-seal. <i>Construction and Building Materials</i> , 2019 , 203, 322-330	6.7	27
295	Characterizations of foamed asphalt binders prepared using combinations of physical and chemical foaming agents. <i>Construction and Building Materials</i> , 2019 , 204, 94-104	6.7	12
294	Analytical solution for the effect of anisotropic layers/interlayers on an elastic multi-layered medium subjected to moving load. <i>International Journal of Solids and Structures</i> , 2019 , 172-173, 10-20	3.1	21
293	Performance Test on Styrene-Butadiene-Styrene (SBS) Modified Asphalt Based on the Different Evaluation Methods. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 467	2.6	14
292	A critical review of corrosion development and rust removal techniques on the structural/environmental performance of corroded steel bridges. <i>Journal of Cleaner Production</i> , 2019 , 233, 126-146	10.3	26
291	Micro-mechanical analysis of high modulus asphalt concrete pavement. <i>Construction and Building Materials</i> , 2019 , 220, 128-141	6.7	15
290	Comparative study of ethanol foamed asphalt binders and mixtures prepared via manual injection and laboratory foaming device. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2019 , 6, 383-395	3.9	5
289	Use of reacted and activated rubber in ultra-thin hot mixture asphalt overlay for wet-freeze climates. <i>Journal of Cleaner Production</i> , 2019 , 232, 369-378	10.3	26
288	3D Quantification for Aggregate Morphology Using Surface Discretization Based on Solid Modeling. <i>Journal of Materials in Civil Engineering</i> , 2019 , 31, 04019123	3	10
287	The performance of asphalt binder with trichloroethylene: Improving the efficiency of using reclaimed asphalt pavement. <i>Journal of Cleaner Production</i> , 2019 , 232, 205-212	10.3	32
286	Strength and durability of dry-processed stone matrix asphalt containing cement pre-coated scrap tire rubber particles. <i>Construction and Building Materials</i> , 2019 , 214, 475-483	6.7	17
285	A review on the best practices in concrete pavement design and materials in wet-freeze climates similar to Michigan. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2019 , 6, 245-255	3.9	4
284	Correlation of DSR Results and FTIR Carbonyl and Sulfoxide Indexes: Effect of Aging Temperature on Asphalt Rheology. <i>Journal of Materials in Civil Engineering</i> , 2019 , 31, 04019115	3	20
283	Unified Strength Model of Asphalt Mixture under Various Loading Modes. <i>Materials</i> , 2019 , 12,	3.5	3
282	Fractal dimension of concrete meso-structure based on X-ray computed tomography. <i>Powder Technology</i> , 2019 , 350, 91-99	5.2	21
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