

# Meng Xu

## List of Publications by Year in descending order

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9  
papers

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citations

1163117  
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1474206  
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docs citations

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times ranked

240  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffusion characteristics of asphalt rejuvenators based on molecular dynamics simulation. International Journal of Pavement Engineering, 2019, 20, 615-627.	4.4	67
2	Improved Chemical System for Molecular Simulations of Asphalt. Energy & Fuels, 2019, 33, 3187-3198.	5.1	40
3	Studies on surface energy of asphalt and aggregate at different scales and bonding property of asphalt-aggregate system. Road Materials and Pavement Design, 2018, 19, 1102-1125.	4.0	39
4	Role of electron-phonon coupling in finite-temperature dielectric functions of Au, Ag, and Cu. Physical Review B, 2017, 96, .	3.2	32
5	Chemical and rheological properties of polymer modified bitumen incorporating bio-oil derived from waste cooking oil. Materials and Structures/Materiaux Et Constructions, 2019, 52, 1.	3.1	16
6	Temperature-dependent optical and electrical properties of bulk Ti <sub>2</sub> AlC and two-dimensional MXenes from first-principles. Physica B: Condensed Matter, 2019, 560, 146-154.	2.7	12
7	Temperature-dependent dielectric functions of bcc transition metals Cr, Mo, and W from ultraviolet to infrared regions: A theoretical and experimental study. Journal of Applied Physics, 2018, 123, .	2.5	11
8	Mechanical response analysis of transverse crack treatment of asphalt pavement based on DEM. International Journal of Pavement Engineering, 2022, 23, 2206-2226.	4.4	9
9	Quantum chemical simulation and laboratory testing of the curing mechanism and performance of resin bio-oil. International Journal of Pavement Engineering, 2021, 22, 1123-1142.	4.4	3