

# Qingjun Wang

## List of Publications by Year in descending order

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38  
papers

2,097  
citations

257450

24  
h-index

315739

38  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1705  
citing authors

#	ARTICLE	IF	CITATIONS
1	Verification of Icephobic/Anti-icing Properties of a Superhydrophobic Surface. ACS Applied Materials & Interfaces, 2013, 5, 3370-3381.	8.0	447
2	Ice-phobic Coatings Based on Silicon-Oil-Infused Polydimethylsiloxane. ACS Applied Materials & Interfaces, 2013, 5, 4053-4062.	8.0	215
3	Research on the icephobic properties of fluoropolymer-based materials. Applied Surface Science, 2011, 257, 4956-4962.	6.1	136
4	In situ investigation of ice formation on surfaces with representative wettability. Applied Surface Science, 2010, 256, 6764-6769.	6.1	123
5	A facile dip-coating process for preparing highly durable superhydrophobic surface with multi-scale structures on paint films. Journal of Colloid and Interface Science, 2009, 337, 531-537.	9.4	96
6	Water condensation on superhydrophobic aluminum surfaces with different low-surface-energy coatings. Applied Surface Science, 2012, 258, 4063-4068.	6.1	85
7	Performance evaluation of warm mix asphalt additive modified epoxy asphalt rubbers. Construction and Building Materials, 2019, 204, 288-295.	7.2	69
8	Stable highly hydrophobic and oleophilic meshes for oil-water separation. Applied Surface Science, 2007, 253, 9054-9060.	6.1	68
9	Fabrication of an optically transparent super-hydrophobic surface via embedding nano-silica. Applied Surface Science, 2006, 253, 2633-2636.	6.1	60
10	A critical review on performance and phase separation of thermosetting epoxy asphalt binders and bond coats. Construction and Building Materials, 2022, 326, 126792.	7.2	50
11	Halogen-free flame retarded cold-mix epoxy asphalt binders: Rheological, thermal and mechanical characterization. Construction and Building Materials, 2018, 186, 863-870.	7.2	48
12	Performance of epoxy asphalt binder containing warm-mix asphalt additive. International Journal of Pavement Engineering, 2021, 22, 223-232.	4.4	47
13	Influence of different chemical modifications on the icephobic properties of superhydrophobic surfaces in a condensate environment. Journal of Materials Chemistry A, 2015, 3, 4967-4975.	10.3	46
14	Superhydrophobic Stability of Nanotube Array Surfaces under Impact and Static Forces. ACS Applied Materials & Interfaces, 2014, 6, 8073-8079.	8.0	45
15	Impact of waste cooking oil on the viscosity, microstructure and mechanical performance of warm-mix epoxy asphalt binder. Construction and Building Materials, 2020, 251, 118994.	7.2	42
16	The icephobicity comparison of polysiloxane modified hydrophobic and superhydrophobic surfaces under condensing environments. Applied Surface Science, 2016, 385, 472-480.	6.1	41
17	Laboratory investigation on the microstructure and performance of SBS modified epoxy asphalt binder. Construction and Building Materials, 2021, 270, 121378.	7.2	41
18	The stability of superhydrophobic surfaces tested by high speed current scouring. Applied Surface Science, 2008, 254, 2911-2916.	6.1	37

#	ARTICLE	IF	CITATIONS
19	Toughening epoxy asphalt binder using core-shell rubber nanoparticles. <i>Construction and Building Materials</i> , 2020, 258, 119716.	7.2	36
20	Laboratory investigation of epoxy asphalt binder modified by brominated SBS. <i>Construction and Building Materials</i> , 2019, 228, 116733.	7.2	32
21	Development of eco-friendly fire-retarded warm-mix epoxy asphalt binders using reactive polymeric flame retardants for road tunnel pavements. <i>Construction and Building Materials</i> , 2021, 284, 122752.	7.2	32
22	Superhydrophobicity of Natural and Artificial Surfaces under Controlled Condensation Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 1254-1260.	8.0	31
23	Stability of Superhydrophobicity of Lotus Leaf under Extreme Humidity. <i>Chemistry Letters</i> , 2010, 39, 816-817.	1.3	30
24	A modified captive bubble method for determining advancing and receding contact angles. <i>Applied Surface Science</i> , 2014, 296, 133-139.	6.1	30
25	Mechanical and bonding properties of pristine montmorillonite reinforced epoxy asphalt bond coats. <i>Polymer Composites</i> , 2020, 41, 3034-3042.	4.6	25
26	Laboratory evaluation of warm-mix epoxy SBS modified asphalt binders containing Sasobit. <i>Journal of Building Engineering</i> , 2020, 32, 101550.	3.4	24
27	Thermal and bonding properties of epoxy asphalt bond coats. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 2013-2025.	3.6	24
28	Improving toughness of epoxy asphalt binder with reactive epoxidized SBS. <i>Materials and Structures/Materiaux Et Constructions</i> , 2021, 54, 1.	3.1	20
29	Microstructure and performance of epoxy asphalt binders modified by core-shell rubbers containing different core polymers. <i>Construction and Building Materials</i> , 2021, 304, 124689.	7.2	18
30	Influence of oligomer content on viscosity and dynamic mechanical properties of epoxy asphalt binders. <i>Construction and Building Materials</i> , 2022, 338, 127524.	7.2	18
31	Microstructure and dynamic mechanical properties epoxy/asphaltene composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 2209-2219.	3.6	17
32	Viscosity& curing time behavior, viscoelastic properties, and phase separation of graphene oxide/epoxy asphalt composites. <i>Polymer Composites</i> , 2022, 43, 5454-5464.	4.6	17
33	Influence of thermal shock on the performance of B-staged epoxy bond coat for orthotropic steel bridge pavements. <i>Construction and Building Materials</i> , 2021, 294, 123598.	7.2	15
34	Structure and oil-resistant properties of HTPB-based polyurea modified with polysulfide. <i>Journal of Applied Polymer Science</i> , 2003, 89, 2672-2675.	2.6	12
35	Superhydrophobic surfaces fabricated by spray-coating micelle solutions of comb copolymers. <i>Colloid and Polymer Science</i> , 2013, 291, 1409-1418.	2.1	11
36	Sliding and rolling behavior of water droplets on an ordered nanoball matrix fluorocarbon polymer layer under simulated weather conditions. <i>Surface Science</i> , 2018, 675, 91-98.	1.9	5

#	ARTICLE	IF	CITATIONS
37	Wetting transition of the ordered nanoporous matrix layer under impact and static pressure. Applied Surface Science, 2015, 353, 636-642.	6.1	3
38	Designing Self-Sustainable Icephobic Layer by Introducing a Lubricating Un-Freezable Water Hydrogel from Sodium Polyacrylate on the Polyolefin Surface. Polymers, 2021, 13, 1126.	4.5	1