

# Dehui Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

2,647  
citations

516710

16  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2364  
citing authors

#	ARTICLE	IF	CITATIONS
1	Upcycling of biomass waste into photothermal superhydrophobic coating for efficient anti-icing and deicing. <i>Materials Today Physics</i> , 2022, 24, 100683.	6.0	23
2	Liquid-Pressure-Guided Superhydrophobic Surfaces with Adaptive Adhesion and Stability. <i>Advanced Materials</i> , 2022, 34, .	21.0	20
3	General mechanism and mitigation for strong adhesion of frozen oil sands on solid substrates. <i>Fuel</i> , 2022, 325, 124797.	6.4	2
4	<i>Salvinia</i>-like slippery surface with stable and mobile water/air contact line. <i>National Science Review</i> , 2021, 8, nwa153.	9.5	47
5	Robust superhydrophobicity: mechanisms and strategies. <i>Chemical Society Reviews</i> , 2021, 50, 4031-4061.	38.1	334
6	Charge Density Gradient Propelled Ultrafast Sweeping Removal of Dropwise Condensates. <i>Journal of Physical Chemistry B</i> , 2021, 125, 1936-1943.	2.6	18
7	In situ tunable droplet adhesion on a super-repellent surface via electrostatic induction effect. <i>IScience</i> , 2021, 24, 102208.	4.1	3
8	Polymeric Microparticles Generated via Confinement-Free Fluid Instability. <i>Advanced Materials</i> , 2021, 33, e2007154.	21.0	7
9	Durable Super-repellent Surfaces: From Solid-Liquid Interaction to Applications. <i>Accounts of Materials Research</i> , 2021, 2, 920-932.	11.7	21
10	Prompting Splash Impact on Superamphiphobic Surfaces by Imposing a Viscous Part. <i>Advanced Science</i> , 2020, 7, 1902687.	11.2	34
11	Surface-Charge-Assisted Microdroplet Generation on a Superhydrophobic Surface. <i>Langmuir</i> , 2020, 36, 14352-14360.	3.5	11
12	Design of robust superhydrophobic surfaces. <i>Nature</i> , 2020, 582, 55-59.	27.8	1,124
13	Designing Transparent Micro/Nano Re-Entrant-Coordinated Superamphiphobic Surfaces with Ultralow Solid/Liquid Adhesion. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 29458-29465.	8.0	49
14	Surface charge printing for programmed droplet transport. <i>Nature Materials</i> , 2019, 18, 936-941.	27.5	401
15	Omni-Liquid Droplet Manipulation Platform. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900653.	3.7	33
16	An electric-field-dependent drop selector. <i>Lab on A Chip</i> , 2019, 19, 1296-1304.	6.0	6
17	Effects of drought stress on the antioxidant system, osmolytes and secondary metabolites of <i>Saposhnikovia divaricata</i> seedlings. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	2.1	28
18	Cationic peptidopolysaccharides synthesized by click chemistry with enhanced broad-spectrum antimicrobial activities. <i>Polymer Chemistry</i> , 2017, 8, 3788-3800.	3.9	88

#	ARTICLE	IF	CITATIONS
19	2D Protein Supramolecular Nanofilm with Exceptionally Large Area and Emergent Functions. <i>Advanced Materials</i> , 2016, 28, 7414-7423.	21.0	191
20	A Superhydrophobic Surface Templated by Protein Self-Assembly and Emerging Application toward Protein Crystallization. <i>Advanced Materials</i> , 2016, 28, 579-587.	21.0	136
21	Protein Self-Assembly: A Superhydrophobic Surface Templated by Protein Self-Assembly and Emerging Application toward Protein Crystallization ( <i>Adv. Mater.</i> 3/2016). <i>Advanced Materials</i> , 2016, 28, 592-592.	21.0	2
22	Nanofilms: 2D Protein Supramolecular Nanofilm with Exceptionally Large Area and Emergent Functions ( <i>Adv. Mater.</i> 34/2016). <i>Advanced Materials</i> , 2016, 28, 7413-7413.	21.0	6
23	Soft landing of cell-sized vesicles on solid surfaces for robust vehicle capture/release. <i>Soft Matter</i> , 2015, 11, 3094-3099.	2.7	18
24	Self-Assembled Monolayer-Assisted Negative Lithography. <i>Langmuir</i> , 2015, 31, 2922-2930.	3.5	16
25	Intravenous transfusion of endothelial colony-forming cells attenuates vascular degeneration after cerebral aneurysm induction. <i>Brain Research</i> , 2014, 1593, 65-75.	2.2	24
26	A Facile Bifunctional Strategy for Fabrication of Bioactive or Bioinert Functionalized Organic Surfaces via Amides-Initiated Photochemical Reactions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 9401-9410.	3.7	5