

Dehui Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8351464/publications.pdf>

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	Design of robust superhydrophobic surfaces. <i>Nature</i> , 2020, 582, 55-59.	27.8	1,124
2	Surface charge printing for programmed droplet transport. <i>Nature Materials</i> , 2019, 18, 936-941.	27.5	401
3	Robust superhydrophobicity: mechanisms and strategies. <i>Chemical Society Reviews</i> , 2021, 50, 4031-4061.	38.1	334
4	2D Protein Supramolecular Nanofilm with Exceptionally Large Area and Emergent Functions. <i>Advanced Materials</i> , 2016, 28, 7414-7423.	21.0	191
5	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
6	Cationic peptidopolysaccharides synthesized by "click" chemistry with enhanced broad-spectrum antimicrobial activities. <i>Polymer Chemistry</i> , 2017, 8, 3788-3800.	3.9	88
7	Designing Transparent Micro/Nano Re-Entrant-Coordinated Superamphiphobic Surfaces with Ultralow Solid/Liquid Adhesion. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29458-29465.	8.0	49
8	<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
9	Prompting Splash Impact on Superamphiphobic Surfaces by Imposing a Viscous Part. <i>Advanced Science</i> , 2020, 7, 1902687.	11.2	34
10	Omni-Liquid Droplet Manipulation Platform. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900653.	3.7	33
11	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
12	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
13	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
14	Durable Super-repellent Surfaces: From Solid-Liquid Interaction to Applications. <i>Accounts of Materials Research</i> , 2021, 2, 920-932.	11.7	21
15	Liquid-Pressure-Guided Superhydrophobic Surfaces with Adaptive Adhesion and Stability. <i>Advanced Materials</i> , 2022, 34, .	21.0	20
16	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
17	Charge Density Gradient Propelled Ultrafast Sweeping Removal of Dropwise Condensates. <i>Journal of Physical Chemistry B</i> , 2021, 125, 1936-1943.	2.6	18
18	Self-Assembled Monolayer-Assisted Negative Lithography. <i>Langmuir</i> , 2015, 31, 2922-2930.	3.5	16

#	ARTICLE	IF	CITATIONS
19	Surface-Charge-Assisted Microdroplet Generation on a Superhydrophobic Surface. <i>Langmuir</i> , 2020, 36, 14352-14360.	3.5	11
20	Polymeric Microparticles Generated via Confinement-Induced Free Fluid Instability. <i>Advanced Materials</i> , 2021, 33, e2007154.	21.0	7
21	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
22	An electric-field-dependent drop selector. <i>Lab on A Chip</i> , 2019, 19, 1296-1304.	6.0	6
23	A Facile Bifunctional Strategy for Fabrication of Bioactive or Bioinert Functionalized Organic Surfaces via Amides-Initiated Photochemical Reactions. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 9401-9410.	3.7	5
24	In situ tunable droplet adhesion on a super-repellent surface via electrostatic induction effect. <i>Science</i> , 2021, 24, 102208.	4.1	3
25	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
26	General mechanism and mitigation for strong adhesion of frozen oil sands on solid substrates. <i>Fuel</i> , 2022, 325, 124797.	6.4	2