

# Dapeng Wang

## List of Publications by Year in descending order

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31  
papers

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citations

430874

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501196

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docs citations

32  
times ranked

989  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Performance pH-Switchable Supramolecular Thermosets via Cation- $\pi$ Interactions. <i>Advanced Materials</i> , 2018, 30, 1704234.	21.0	105
2	Nanoscale Topography Influences Polymer Surface Diffusion. <i>ACS Nano</i> , 2015, 9, 1656-1664.	14.6	70
3	Three-Dimensional Tracking of Interfacial Hopping Diffusion. <i>Physical Review Letters</i> , 2017, 119, 268001.	7.8	59
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	Probing Diffusion of Single Nanoparticles at Water-Oil Interfaces. <i>Small</i> , 2011, 7, 3502-3507.	10.0	38
6	High and Selective Carbon Dioxide Capture in Nitrogen-Containing Aerogels via Synergistic Effects of Electrostatic In-Plane and Dispersive $\pi$ - $\pi$ -Stacking Interactions. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 15213-15218.	8.0	35
7	A Cation-Methylene-Phenyl Sequence Encodes Programmable Poly(Ionic Liquid) Coacervation and Robust Underwater Adhesion. <i>Advanced Functional Materials</i> , 2022, 32, 2105464.	14.9	35
8	Scaling of Polymer Dynamics at an Oil-Water Interface in Regimes Dominated by Viscous Drag and Desorption-Mediated Flights. <i>Journal of the American Chemical Society</i> , 2015, 137, 12312-12320.	13.7	34
9	Tunable Dual-Thermoresponsive Phase Behavior of Zwitterionic Polysulfobetaine Copolymers Containing Poly( <i>N,N</i> -dimethylaminoethyl methacrylate)-Grafted Silica Nanoparticles in Aqueous Solution. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 111-120.	2.2	32
10	Synthesis and Multi-Stimuli-Responsive Behavior of Poly( <i>N,N</i> -dimethylaminoethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38 31, 8930-8939.	3.5	30
11	Temporally Anticorrelated Motion of Nanoparticles at a Liquid Interface. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 54-59.	4.6	29
12	Diffusive Escape of a Nanoparticle from a Porous Cavity. <i>Physical Review Letters</i> , 2019, 123, 118002.	7.8	29
13	A Double Cation- $\pi$ -Driven Strategy Enabling Two-Dimensional Supramolecular Polymers as Efficient Catalyst Carriers. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9534-9541.	13.8	27
14	Non-Brownian Interfacial Diffusion: Flying, Hopping, and Crawling. <i>Journal of Physical Chemistry C</i> , 2020, 124, 19880-19891.	3.1	26
15	A multiscale approach to the adsorption of core-shell nanoparticles at fluid interfaces. <i>Soft Matter</i> , 2015, 11, 118-129.	2.7	25
16	A nitrogen-rich, azaindole-based microporous organic network: synergistic effect of local dipole- $\pi$ and dipole-quadrupole interactions on carbon dioxide uptake. <i>Polymer Chemistry</i> , 2016, 7, 5768-5772.	3.9	25
17	Poly(ethylene glycol) Becomes a Supra-Polyelectrolyte by Capturing Hydronium Ions in Water. <i>Macromolecules</i> , 2022, 55, 4656-4664.	4.8	23
18	Brownian Diffusion of Individual Janus Nanoparticles at Water/Oil Interfaces. <i>ACS Nano</i> , 2020, 14, 10095-10103.	14.6	22

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19	Enhanced information content for three-dimensional localization and tracking using the double-helix point spread function with variable-angle illumination epifluorescence microscopy. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	16
20	Probing the polymer anomalous dynamics at solid/liquid interfaces at the single-molecule level. <i>Current Opinion in Colloid and Interface Science</i> , 2019, 39, 162-172.	7.4	15
21	Facile synthesis and responsive behavior of PDMS- <i>b</i> -PEG diblock copolymer brushes via photoinitiated $\alpha$ -thiol-ene click reaction. <i>Journal of Polymer Science Part A</i> , 2012, 50, 2075-2083.	2.3	13
22	Connecting Hindered Transport in Porous Media across Length Scales: From Single-Pore to Macroscopic. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8825-8831.	4.6	13
23	Electrostatic Barriers to Nanoparticle Accessibility of a Porous Matrix. <i>Journal of the American Chemical Society</i> , 2020, 142, 4696-4704.	13.7	12
24	Tracking of Nanoparticle Diffusion at a Liquid-Liquid Interface Adsorbed by Nonionic Surfactants. <i>Langmuir</i> , 2021, 37, 12118-12127.	3.5	8
25	Polymeric Microparticles Generated via Confinement-Free Fluid Instability. <i>Advanced Materials</i> , 2021, 33, e2007154.	21.0	7
26	A Double Cation-Driven Strategy Enabling Two-Dimensional Supramolecular Polymers as Efficient Catalyst Carriers. <i>Angewandte Chemie</i> , 2020, 132, 9621-9628.	2.0	4
27	The advantages of nanoparticle surfactants over Janus nanoparticles on structuring liquids. <i>Nanoscale</i> , 2022, 14, 3554-3560.	5.6	4
28	Reducing the Solvent Quality Gives Rise to the Outward Migration of a Star Polymer in Poiseuille Flow. <i>Macromolecules</i> , 2022, 55, 3396-3407.	4.8	4
29	Phosphonate/Phosphine Oxide Dyad Additive for Efficient Perovskite Light-Emitting Diodes. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	3
30	Modeling intra- and intermolecular correlations for linear and branched polymers using a modified test-chain self-consistent field theory. <i>Physical Review E</i> , 2017, 95, 042502.	2.1	1
31	Innentitelbild: A Double Cation-Driven Strategy Enabling Two-Dimensional Supramolecular Polymers as Efficient Catalyst Carriers ( <i>Angew. Chem.</i> 24/2020). <i>Angewandte Chemie</i> , 2020, 132, 9282-9282.	2.0	0