Dapeng Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7312953/publications.pdf

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31	791	430874 18	501196 28
papers	citations	h-index	g-index

32	32	32	989
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Cationâ€Methyleneâ€Phenyl Sequence Encodes Programmable Poly(Ionic Liquid) Coacervation and Robust Underwater Adhesion. Advanced Functional Materials, 2022, 32, 2105464.	14.9	35
2	Phosphonate/Phosphine Oxide Dyad Additive for Efficient Perovskite Lightâ€Emitting Diodes. Angewandte Chemie, 2022, 134, .	2.0	3
3	The advantages of nanoparticle surfactants over Janus nanoparticles on structuring liquids. Nanoscale, 2022, 14, 3554-3560.	5.6	4
4	Reducing the Solvent Quality Gives Rise to the Outward Migration of a Star Polymer in Poiseuille Flow. Macromolecules, 2022, 55, 3396-3407.	4.8	4
5	Poly(ethylene glycol) Becomes a Supra-Polyelectrolyte by Capturing Hydronium Ions in Water. Macromolecules, 2022, 55, 4656-4664.	4.8	23
6	Salvinia-like slippery surface with stable and mobile water/air contact line. National Science Review, 2021, 8, nwaa153.	9.5	47
7	Polymeric Microparticles Generated via Confinementâ€Free Fluid Instability. Advanced Materials, 2021, 33, e2007154.	21.0	7
8	Tracking of Nanoparticle Diffusion at a Liquidâ€“Liquid Interface Adsorbed by Nonionic Surfactants. Langmuir, 2021, 37, 12118-12127.	3.5	8
9	Connecting Hindered Transport in Porous Media across Length Scales: From Single-Pore to Macroscopic. Journal of Physical Chemistry Letters, 2020, 11, 8825-8831.	4.6	13
10	Brownian Diffusion of Individual Janus Nanoparticles at Water/Oil Interfaces. ACS Nano, 2020, 14, 10095-10103.	14.6	22
11	Non-Brownian Interfacial Diffusion: Flying, Hopping, and Crawling. Journal of Physical Chemistry C, 2020, 124, 19880-19891.	3.1	26
12	Innentitelbild: A Double Cationâ€“Ïâ€Driven Strategy Enabling Twoâ€Dimensional Supramolecular Polymers as Efficient Catalyst Carriers (Angew. Chem. 24/2020). Angewandte Chemie, 2020, 132, 9282-9282.	2.0	0
13	A Double Cationâ€“Ïâ€Driven Strategy Enabling Twoâ€Dimensional Supramolecular Polymers as Efficient Catalyst Carriers. Angewandte Chemie - International Edition, 2020, 59, 9534-9541.	13.8	27
14	Electrostatic Barriers to Nanoparticle Accessibility of a Porous Matrix. Journal of the American Chemical Society, 2020, 142, 4696-4704.	13.7	12
15	A Double Cationâ€“Ïâ€Driven Strategy Enabling Twoâ€Dimensional Supramolecular Polymers as Efficient Catalyst Carriers. Angewandte Chemie, 2020, 132, 9621-9628.	2.0	4
16	Diffusive Escape of a Nanoparticle from a Porous Cavity. Physical Review Letters, 2019, 123, 118002.	7.8	29
17	Probing the polymer anomalous dynamics at solid/liquid interfaces at the single-molecule level. Current Opinion in Colloid and Interface Science, 2019, 39, 162-172.	7.4	15
18	Highâ€Performance pHâ€Switchable Supramolecular Thermosets via Cationâ€“Ï€ Interactions. Advanced Materials, 2018, 30, 1704234.	21.0	105

#	Article	IF	Citations
19	High and Selective Carbon Dioxide Capture in Nitrogen-Containing Aerogels via Synergistic Effects of Electrostatic In-Plane and Dispersive Ï€â€“Ï€-Stacking Interactions. ACS Applied Materials & Interfaces, 2017, 9, 15213-15218.	8.0	35
20	Enhanced information content for three-dimensional localization and tracking using the double-helix point spread function with variable-angle illumination epifluorescence microscopy. Applied Physics Letters, 2017, 110, .	3.3	16
21	Modeling intra- and intermolecular correlations for linear and branched polymers using a modified test-chain self-consistent field theory. Physical Review E, 2017, 95, 042502.	2.1	1
22	Three-Dimensional Tracking of Interfacial Hopping Diffusion. Physical Review Letters, 2017, 119, 268001.	7.8	59
23	A nitrogen-rich, azaindole-based microporous organic network: synergistic effect of local dipoleâ€“Ï€ and dipoleâ€“quadrupole interactions on carbon dioxide uptake. Polymer Chemistry, 2016, 7, 5768-5772.	3.9	25
24	Temporally Anticorrelated Motion of Nanoparticles at a Liquid Interface. Journal of Physical Chemistry Letters, 2015, 6, 54-59.	4.6	29
25	Nanoscale Topography Influences Polymer Surface Diffusion. ACS Nano, 2015, 9, 1656-1664.	14.6	70
26	Synthesis and Multi-Stimuli-Responsive Behavior of Poly(N,N-dimethylaminoethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46 31, 8930-8939.	3.5	30
27	Scaling of Polymer Dynamics at an Oilâ€“Water Interface in Regimes Dominated by Viscous Drag and Desorption-Mediated Flights. Journal of the American Chemical Society, 2015, 137, 12312-12320.	13.7	34
28	A multiscale approach to the adsorption of coreâ€“shell nanoparticles at fluid interfaces. Soft Matter, 2015, 11, 118-129.	2.7	25
29	Tunable Dualâ€Thermoresponsive Phase Behavior of Zwitterionic Polysulfobetaine Copolymers Containing Poly(N,Nâ€dimethylaminoethyl methacrylate)â€Grafted Silica Nanoparticles in Aqueous Solution. Macromolecular Chemistry and Physics, 2014, 215, 111-120.	2.2	32
30	Facile synthesis and responsive behavior of PDMSâ€bâ€PEG diblock copolymer brushes via photoinitiated â€œthiolâ€eneâ€•click reaction. Journal of Polymer Science Part A, 2012, 50, 2075-2083.	2.3	13
31	Probing Diffusion of Single Nanoparticles at Waterâ€“Oil Interfaces. Small, 2011, 7, 3502-3507.	10.0	38