Dong Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8294584/publications.pdf

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36	1,198	471371	377752
papers	citations	17 h-index	34 g-index

36	36	36	1631
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reconfigurable ferromagnetic liquid droplets. Science, 2019, 365, 264-267.	6.0	278
2	Poly(oximeâ€“ester) Vitrimers with Catalyst-Free Bond Exchange. Journal of the American Chemical Society, 2019, 141, 13753-13757.	6.6	149
3	Advances in Atomic Force Microscopy for Probing Polymer Structure and Properties. Macromolecules, 2018, 51, 3-24.	2.2	129
4	Liquid Tubule Formation and Stabilization Using Cellulose Nanocrystal Surfactants. Angewandte Chemie - International Edition, 2017, 56, 12594-12598.	7.2	72
5	Pectin-based injectable and biodegradable self-healing hydrogels for enhanced synergistic anticancer therapy. Acta Biomaterialia, 2021, 131, 149-161.	4.1	51
6	Liquid Tubule Formation and Stabilization Using Cellulose Nanocrystal Surfactants. Angewandte Chemie, 2017, 129, 12768-12772.	1.6	50
7	Atomic Force Microscopy Nanomechanical Mapping Visualizes Interfacial Broadening between Networks Due to Chemical Exchange Reactions. Journal of the American Chemical Society, 2018, 140, 6793-6796.	6.6	50
8	Biobased Dynamic Polymer Networks with Rapid Stress Relaxation. ACS Sustainable Chemistry and Engineering, 2021, 9, 11091-11099.	3.2	39
9	Light-Triggered Reversible Self-Engulfing of Janus Nanoparticles. ACS Macro Letters, 2018, 7, 1475-1479.	2.3	38
10	Epoxy-polyhedral oligomeric silsesquioxanes (POSS) nanocomposite vitrimers with high strength, toughness, and efficient relaxation. Giant, 2020, 4, 100035.	2.5	35
11	Nanomechanical Imaging of the Diffusion of Fullerene into Conjugated Polymer. ACS Nano, 2017, 11, 8660-8667.	7.3	24
12	Rubber-reinforced rubbers toward the combination of high reinforcement and low energy loss. Nano Energy, 2021, 83, 105822.	8.2	24
13	AFM nanomechanical mapping and nanothermal analysis reveal enhanced crystallization at the surface of a semicrystalline polymer. Polymer, 2018, 146, 188-195.	1.8	22
14	Nanorodâ€“Surfactant Assemblies and Their Interfacial Behavior at Liquidâ€“Liquid Interfaces. ACS Macro Letters, 2019, 8, 512-518.	2.3	21
15	Reversing fatigue in carbon-fiber reinforced vitrimer composites. Carbon, 2022, 187, 108-114.	5.4	20
16	Light emitting CMC-CHO based self-healing hydrogel with injectability for in vivo wound repairing applications. Carbohydrate Polymers, 2022, 281, 119052.	5.1	20
17	Configurationally Constrained Crystallization of Brush Polymers with Poly(ethylene oxide) Side Chains. Macromolecules, 2019, 52, 592-600.	2.2	19
18	Poly(aspartic acid) based self-healing hydrogels with antibacterial and light-emitting properties for wound repair. Colloids and Surfaces B: Biointerfaces, 2021, 200, 111568.	2.5	18

#	Article	IF	Citations
19	Understanding the Morphology of High-Performance Solar Cells Based on a Low-Cost Polymer Donor. ACS Applied Materials & Interfaces, 2020, 12, 9537-9544.	4.0	17
20	Interfacial Broadening Kinetics between a Network and a Linear Polymer and Their Composites Prepared by Melt Blending. Macromolecules, 2019, 52, 9759-9765.	2.2	15
21	Unexpected Improvement of Both Mechanical Strength and Elasticity of EPDM/PP Thermoplastic Vulcanizates by Introducing Î²-Nucleating Agents. Macromolecules, 2021, 54, 2835-2843.	2.2	14
22	Size-Dependent Interfacial Assembly of Graphene Oxide at Waterâ€“Oil Interfaces. Journal of Physical Chemistry B, 2020, 124, 4835-4842.	1.2	14
23	Probing the structural evolution in deformed isoprene rubber by in situ synchrotron X-ray diffraction and atomic force microscopy. Polymer, 2019, 185, 121926.	1.8	13
24	Self-Assembly Behavior of PS-b-P2VP Block Copolymers and Carbon Quantum Dots at Water/Oil Interfaces. Macromolecules, 2020, 53, 10981-10987.	2.2	13
25	Stabilizing Aqueous Three-Dimensional Printed Constructs Using Chitosan-Cellulose Nanocrystal Assemblies. ACS Applied Materials & Interfaces, 2020, 12, 55426-55433.	4.0	11
26	Fully Biobased Elastomer Composites with Mechanically Robust, Reprocessable, and Biocompatible Properties. ACS Applied Polymer Materials, 2021, 3, 6446-6454.	2.0	9
27	Measuring Surface Relaxation of Vitrimers. Macromolecules, 2022, 55, 1260-1266.	2.2	7
28	Homogenizing Blends of Cross-linked Polymers by Interfacial Exchange Reactions. ACS Applied Materials & Interfaces, 0, , .	4.0	7
29	Interfacial Reaction Induced Disruption and Dissolution of Dynamic Polymer Networks. Macromolecular Rapid Communications, 2021, 42, 2100023.	2.0	5
30	Nanomechanical and Chemical Mapping of the Structure and Interfacial Properties in Immiscible Ternary Polymer Systems. Chinese Journal of Polymer Science (English Edition), 2021, 39, 651-658.	2.0	4
31	A simple, efficient route to modify the properties of epoxy dynamic polymer networks. Soft Matter, 2022, 18, 382-389.	1.2	4
32	Catalyst Control of Interfacial Welding Mechanical Properties of Vitrimers. Chinese Journal of Polymer Science (English Edition), 2022, 40, 611-617.	2.0	2
33	3D Structural Model of High-Performance Non-Fullerene Polymer Solar Cells as Revealed by High-Resolution AFM. ACS Applied Materials & Interfaces, 2017, 9, 24451-24455.	4.0	1
34	Catalyst Control of Nanoscale Characteristic Length of the Glass Transition in Organic Strong Glass-Formers. ACS Macro Letters, 2021, 10, 1597-1601.	2.3	1
35	Using Nanosphere Embedding to Probe the Surface and Bulk Relaxation in Vitrimers. Langmuir, 2022, 38, 6174-6179.	1.6	1
36	Langmuirâ€“Blodgett Deposition of Cellulose Nanocrystal Surfactants into Ordered Monolayers. Langmuir, 2022, 38, 8495-8501.	1.6	1