Chanoong Lim

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/910732/publications.pdf

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19	866	687363 13	752698 20
papers	citations	h-index	g-index

20	20	20	1317
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanomechanics of Poly(catecholamine) Coatings in Aqueous Solutions. Angewandte Chemie - International Edition, 2016, 55, 3342-3346.	13.8	173
2	Strong Adhesion and Cohesion of Chitosan in Aqueous Solutions. Langmuir, 2013, 29, 14222-14229.	3.5	153
3	Mussel-Inspired Anchoring of Polymer Loops That Provide Superior Surface Lubrication and Antifouling Properties. ACS Nano, 2016, 10, 930-937.	14.6	128
4	Contact time- and pH-dependent adhesion and cohesion of low molecular weight chitosan coated surfaces. Carbohydrate Polymers, 2015, 117, 887-894.	10.2	72
5	Intermolecular interactions of chitosan: Degree of acetylation and molecular weight. Carbohydrate Polymers, 2021, 259, 117782.	10.2	62
6	Mussel-Inspired Copolyether Loop with Superior Antifouling Behavior. Macromolecules, 2020, 53, 3551-3562.	4.8	47
7	Dopamine-Mediated Sclerotization of Regenerated Chitin in Ionic Liquid. Materials, 2013, 6, 3826-3839.	2.9	41
8	Supramolecular Î²â€Sheet Suckerinâ€“Based Underwater Adhesives. Advanced Functional Materials, 2020, 30, 1907534.	14.9	39
9	Size compatibility and concentration dependent supramolecular hostâ€“guest interactions at interfaces. Nature Communications, 2022, 13, 112.	12.8	19
10	Antigenâ€“Antibody Interactionâ€Derived Bioadhesion of Bacterial Cellulose Nanofibers to Promote Topical Wound Healing. Advanced Functional Materials, 2022, 32, .	14.9	17
11	Peptidomimetic Wet-Adhesive PEGtides with Synergistic and Multimodal Hydrogen Bonding. Journal of the American Chemical Society, 2022, 144, 6261-6269.	13.7	17
12	Nanomechanics of Poly(catecholamine) Coatings in Aqueous Solutions. Angewandte Chemie, 2016, 128, 3403-3407.	2.0	15
13	Probing nanomechanical interaction at the interface between biological membrane and potentially toxic chemical. Journal of Hazardous Materials, 2018, 353, 271-279.	12.4	13
14	In-Depth Study of the Interaction Mechanism between the Lignin Nanofilms: Toward a Renewable and Organic Solvent-Free Binder. ACS Sustainable Chemistry and Engineering, 2020, 8, 362-371.	6.7	13
15	Adaptive amphiphilic interaction mechanism of hydroxypropyl methylcellulose in water. Applied Surface Science, 2021, 565, 150535.	6.1	12
16	Surface forces apparatus and its applications for nanomechanics of underwater adhesives. Korean Journal of Chemical Engineering, 2014, 31, 1306-1315.	2.7	10
17	Strong interfacial energetics between catalysts and current collectors in aqueous sodiumâ€“air batteries. Journal of Materials Chemistry A, 2022, 10, 4601-4610.	10.3	10
18	Essential Role of Thiols in Maintaining Stable Catecholato-Iron Complexes in Condensed Materials. Chemistry of Materials, 2022, 34, 5074-5083.	6.7	10

#	Article	IF	Citations
19	Probing molecular mechanisms of M13 bacteriophage adhesion. Communications Chemistry, 2019, 2, .	4.5	9