Xuzhi Hu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6820035/publications.pdf

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26	1,116	623574	552653
papers	citations	14 h-index	26 g-index

27	27	27	1281
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Membrane targeting cationic antimicrobial peptides. Journal of Colloid and Interface Science, 2019, 537, 163-185.	5.0	223
2	A technical review of face mask wearing in preventing respiratory COVID-19 transmission. Current Opinion in Colloid and Interface Science, 2021, 52, 101417.	3.4	163
3	Reversible Thermoresponsive Peptideâ€“PNIPAM Hydrogels for Controlled Drug Delivery. Biomacromolecules, 2019, 20, 3601-3610.	2.6	144
4	Nanoribbons self-assembled from short peptides demonstrate the formation of polar zippers between Î²-sheets. Nature Communications, 2018, 9, 5118.	5.8	89
5	Recent advances in short peptide self-assembly: from rational design to novel applications. Current Opinion in Colloid and Interface Science, 2020, 45, 1-13.	3.4	87
6	Hydrophobic Control of the Bioactivity and Cytotoxicity of de Novo-Designed Antimicrobial Peptides. ACS Applied Materials & Interfaces, 2019, 11, 34609-34620.	4.0	64
7	Controlling the Diameters of Nanotubes Selfâ€Assembled from Designed Peptide Bolaphiles. Small, 2018, 14, e1703216.	5.2	45
8	Structural Disruptions of the Outer Membranes of Gram-Negative Bacteria by Rationally Designed Amphiphilic Antimicrobial Peptides. ACS Applied Materials & Interfaces, 2021, 13, 16062-16074.	4.0	39
9	How do Self-Assembling Antimicrobial Lipopeptides Kill Bacteria?. ACS Applied Materials & Interfaces, 2020, 12, 55675-55687.	4.0	35
10	Aggregated Amphiphilic Antimicrobial Peptides Embedded in Bacterial Membranes. ACS Applied Materials & Interfaces, 2020, 12, 44420-44432.	4.0	35
11	What happens when pesticides are solubilized in nonionic surfactant micelles. Journal of Colloid and Interface Science, 2019, 541, 175-182.	5.0	31
12	Monolayer wall nanotubes self-assembled from short peptide bolaamphiphiles. Journal of Colloid and Interface Science, 2021, 583, 553-562.	5.0	23
13	Recent Advances in Studying Interfacial Adsorption of Bioengineered Monoclonal Antibodies. Molecules, 2020, 25, 2047.	1.7	20
14	How does substrate hydrophobicity affect the morphological features of reconstituted wax films and their interactions with nonionic surfactant and pesticide?. Journal of Colloid and Interface Science, 2020, 575, 245-253.	5.0	15
15	Interfacial Adsorption of a Monoclonal Antibody and Its Fab and Fc Fragments at the Oil/Water Interface. Langmuir, 2019, 35, 13543-13552.	1.6	12
16	Surface adsorption and solution aggregation of a novel lauroyl-l-carnitine surfactant. Journal of Colloid and Interface Science, 2021, 591, 106-114.	5.0	12
17	Structural Features of Reconstituted Cuticular Wax Films upon Interaction with Nonionic Surfactant C₁₂E₆. Langmuir, 2018, 34, 3395-3404.	1.6	11
18	How does solubilisation of plant waxes into nonionic surfactant micelles affect pesticide release?. Journal of Colloid and Interface Science, 2019, 556, 650-657.	5.0	11

#	Article	IF	Citations
19	Ordered Nanofibers Fabricated from Hierarchical Selfâ€Assembling Processes of Designed Î±â€Helical Peptides. Small, 2020, 16, e2003945.	5.2	11
20	What happens when pesticides are solubilised in binary ionic/zwitterionic-nonionic mixed micelles?. Journal of Colloid and Interface Science, 2021, 586, 190-199.	5.0	11
21	In-Membrane Nanostructuring of Cationic Amphiphiles Affects Their Antimicrobial Efficacy and Cytotoxicity: A Comparison Study between a De Novo Antimicrobial Lipopeptide and Traditional Biocides. Langmuir, 2022, 38, 6623-6637.	1.6	10
22	Metal-insulator-metal diodes based on alkyltrichlorosilane self-assembled monolayers. AIP Advances, 2019, 9, 065017.	0.6	8
23	Coadsorption of a Monoclonal Antibody and Nonionic Surfactant at the SiO2/Water Interface. ACS Applied Materials & Interfaces, 2018, 10, 44257-44266.	4.0	7
24	Contrasting impacts of mixed nonionic surfactant micelles on plant growth in the delivery of fungicide and herbicide. Journal of Colloid and Interface Science, 2022, 618, 78-87.	5.0	6
25	How do chain lengths of acyl-l-carnitines affect their surface adsorption and solution aggregation?. Journal of Colloid and Interface Science, 2022, 609, 491-502.	5.0	3
26	Structural features of interfacially adsorbed acyl-L-carnitines. Journal of Colloid and Interface Science, 2022, , .	5.0	0