

Vahid Adibnia

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

648
citations

758635

12
h-index

610482

24
g-index

25
all docs

25
docs citations

25
times ranked

1015
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced cell culture platforms: a growing quest for emulating natural tissues. <i>Materials Horizons</i> , 2019, 6, 45-71.	6.4	114
2	Nanoparticle heterogeneity: an emerging structural parameter influencing particle fate in biological media?. <i>Nanoscale</i> , 2019, 11, 383-406.	2.8	83
3	Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1308-1314.	7.2	81
4	Superlubricity of Zwitterionic Bottlebrush Polymers in the Presence of Multivalent Ions. <i>Journal of the American Chemical Society</i> , 2020, 142, 14843-14847.	6.6	43
5	Intermolecular Interactions between Bottlebrush Polymers Boost the Protection of Surfaces against Frictional Wear. <i>Chemistry of Materials</i> , 2018, 30, 4140-4149.	3.2	41
6	Bioinspired polymers for lubrication and wear resistance. <i>Progress in Polymer Science</i> , 2020, 110, 101298.	11.8	41
7	Viscoelasticity of near-critical silica-polyacrylamide hydrogel nanocomposites. <i>Polymer</i> , 2017, 112, 457-465.	1.8	35
8	Synergy between Zwitterionic Polymers and Hyaluronic Acid Enhances Antifouling Performance. <i>Langmuir</i> , 2019, 35, 15535-15542.	1.6	34
9	Spontaneous shrinking of soft nanoparticles boosts their diffusion in confined media. <i>Nature Communications</i> , 2019, 10, 4294.	5.8	26
10	Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. <i>Angewandte Chemie</i> , 2019, 131, 1322-1328.	1.6	25
11	Electroacoustic Spectroscopy of Nanoparticle-Doped Hydrogels. <i>Macromolecules</i> , 2014, 47, 8064-8071.	2.2	19
12	Roles of chemical and physical crosslinking on the rheological properties of silica-doped polyacrylamide hydrogels. <i>Rheologica Acta</i> , 2017, 56, 123-134.	1.1	19
13	Nanoparticle Coupling to Hydrogel Networks: New Insights from Electroacoustic Spectroscopy. <i>Macromolecules</i> , 2017, 50, 4030-4038.	2.2	12
14	Nonspecific interactions in biomedical applications. <i>Current Opinion in Colloid and Interface Science</i> , 2020, 47, 70-83.	3.4	12
15	Phytoglycogen Nanoparticles: Nature-Derived Superlubricants. <i>ACS Nano</i> , 2021, 15, 8953-8964.	7.3	9
16	Multicolored Nanocolloidal Hydrogel Inks. <i>Advanced Functional Materials</i> , 2021, 31, 2105470.	7.8	9
17	Short-Sequence Superadhesive Peptides with Topologically Enhanced Cation- π Interactions. <i>Chemistry of Materials</i> , 2021, 33, 5168-5176.	3.2	8
18	Interfacial Forces across Ionic Liquid Solutions: Effects of Ion Concentration and Water Domains. <i>Langmuir</i> , 2019, 35, 15585-15591.	1.6	7

#	ARTICLE	IF	CITATIONS
19	Electrostatic Screening Length in "Soft" Electrolyte Solutions. ACS Macro Letters, 2019, 8, 1017-1021.	2.3	7
20	Chitosan hydrogel micro-bio-devices with complex capillary patterns via reactive-diffusive self-assembly. Acta Biomaterialia, 2019, 99, 211-219.	4.1	7
21	Stimulus-Responsive Nanoconjugates Derived from Phytoglycogen Nanoparticles. Biomacromolecules, 2022, 23, 1928-1937.	2.6	6
22	Electrokinetic Sonic Amplitude of Polyelectrolyte Solutions and Networks. Macromolecules, 2020, 53, 7460-7468.	2.2	5
23	Frontispiz: Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. Angewandte Chemie, 2019, 131, .	1.6	3
24	Plasmon-Free Polymeric Nanowrinkled Substrates for Surface-Enhanced Raman Spectroscopy of Two-Dimensional Materials. Langmuir, 2021, 37, 322-329.	1.6	2
25	Frontispiece: Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. Angewandte Chemie - International Edition, 2019, 58, .	7.2	0