

Vahid Adibnia

List of Publications by Year in descending order

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25
papers

648
citations

758635

12
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610482

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docs citations

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times ranked

1015
citing authors

#	ARTICLE	IF	CITATIONS
1	Stimulus-Responsive Nanoconjugates Derived from Phytoglycogen Nanoparticles. <i>Biomacromolecules</i> , 2022, 23, 1928-1937.	2.6	6
2	Plasmon-Free Polymeric Nanowrinkled Substrates for Surface-Enhanced Raman Spectroscopy of Two-Dimensional Materials. <i>Langmuir</i> , 2021, 37, 322-329.	1.6	2
3	Phytoglycogen Nanoparticles: Nature-Derived Superlubricants. <i>ACS Nano</i> , 2021, 15, 8953-8964.	7.3	9
4	Short-Sequence Superadhesive Peptides with Topologically Enhanced Cation- π Interactions. <i>Chemistry of Materials</i> , 2021, 33, 5168-5176.	3.2	8
5	Multicolored Nanocolloidal Hydrogel Inks. <i>Advanced Functional Materials</i> , 2021, 31, 2105470.	7.8	9
6	Nonspecific interactions in biomedical applications. <i>Current Opinion in Colloid and Interface Science</i> , 2020, 47, 70-83.	3.4	12
7	Bioinspired polymers for lubrication and wear resistance. <i>Progress in Polymer Science</i> , 2020, 110, 101298.	11.8	41
8	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
9	Electrokinetic Sonic Amplitude of Polyelectrolyte Solutions and Networks. <i>Macromolecules</i> , 2020, 53, 7460-7468.	2.2	5
10	Interfacial Forces across Ionic Liquid Solutions: Effects of Ion Concentration and Water Domains. <i>Langmuir</i> , 2019, 35, 15585-15591.	1.6	7
11	Electrostatic Screening Length in "Soft" Electrolyte Solutions. <i>ACS Macro Letters</i> , 2019, 8, 1017-1021.	2.3	7
12	Synergy between Zwitterionic Polymers and Hyaluronic Acid Enhances Antifouling Performance. <i>Langmuir</i> , 2019, 35, 15535-15542.	1.6	34
13	Chitosan hydrogel micro-bio-devices with complex capillary patterns via reactive-diffusive self-assembly. <i>Acta Biomaterialia</i> , 2019, 99, 211-219.	4.1	7
14	Spontaneous shrinking of soft nanoparticles boosts their diffusion in confined media. <i>Nature Communications</i> , 2019, 10, 4294.	5.8	26
15	Advanced cell culture platforms: a growing quest for emulating natural tissues. <i>Materials Horizons</i> , 2019, 6, 45-71.	6.4	114
16	Nanoparticle heterogeneity: an emerging structural parameter influencing particle fate in biological media?. <i>Nanoscale</i> , 2019, 11, 383-406.	2.8	83
17	Frontispiz: Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. <i>Angewandte Chemie</i> , 2019, 131, .	1.6	3
18	Frontispiece: Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. <i>Angewandte Chemie - International Edition</i> , 2019, 58, .	7.2	0

#	ARTICLE	IF	CITATIONS
19	Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. <i>Angewandte Chemie</i> , 2019, 131, 1322-1328.	1.6	25
20	Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1308-1314.	7.2	81
21	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
22	Viscoelasticity of near-critical silica-polyacrylamide hydrogel nanocomposites. <i>Polymer</i> , 2017, 112, 457-465.	1.8	35
23	Nanoparticle Coupling to Hydrogel Networks: New Insights from Electroacoustic Spectroscopy. <i>Macromolecules</i> , 2017, 50, 4030-4038.	2.2	12
24	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
25	Electroacoustic Spectroscopy of Nanoparticle-Doped Hydrogels. <i>Macromolecules</i> , 2014, 47, 8064-8071.	2.2	19