

Quinn Besford

List of Publications by Year in descending order

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42
papers

1,193
citations

394421

19
h-index

377865

34
g-index

42
all docs

42
docs citations

42
times ranked

1540
citing authors

#	ARTICLE	IF	CITATIONS
1	Rustâ€Mediated Continuous Assembly of Metalâ€Phenolic Networks. <i>Advanced Materials</i> , 2017, 29, 1606717.	21.0	112
2	Systematic Comparison of the Structural and Dynamic Properties of Commonly Used Water Models for Molecular Dynamics Simulations. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 4521-4536.	5.4	94
3	Cobalt Phosphate Nanostructures for Non-Enzymatic Glucose Sensing at Physiological pH. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42786-42795.	8.0	64
4	Influence of Ionic Strength on the Deposition of Metalâ€Phenolic Networks. <i>Langmuir</i> , 2017, 33, 10616-10622.	3.5	61
5	Self-Assembly of Nano- to Macroscopic Metalâ€Phenolic Materials. <i>Chemistry of Materials</i> , 2018, 30, 5750-5758.	6.7	59
6	Selfâ€Assembled Metalâ€Phenolic Networks on Emulsions as Lowâ€Fouling and pHâ€Responsive Particles. <i>Small</i> , 2018, 14, e1802342.	10.0	58
7	Link between Low-Fouling and Stealth: A Whole Blood Biomolecular Corona and Cellular Association Analysis on Nanoengineered Particles. <i>ACS Nano</i> , 2019, 13, 4980-4991.	14.6	53
8	Glycogen as a Building Block for Advanced Biological Materials. <i>Advanced Materials</i> , 2020, 32, e1904625.	21.0	53
9	In Situ Characterization of Protein Corona Formation on Silica Microparticles Using Confocal Laser Scanning Microscopy Combined with Microfluidics. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2459-2469.	8.0	51
10	Modular Assembly of Hostâ€Guest Metalâ€Phenolic Networks Using Macrocyclic Building Blocks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 275-280.	13.8	51
11	Lactosylated Glycogen Nanoparticles for Targeting Prostate Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 16869-16879.	8.0	42
12	Cobalt-Directed Assembly of Antibodies onto Metalâ€Phenolic Networks for Enhanced Particle Targeting. <i>Nano Letters</i> , 2020, 20, 2660-2666.	9.1	39
13	The structure of cardiac glycogen in healthy mice. <i>International Journal of Biological Macromolecules</i> , 2012, 51, 887-891.	7.5	36
14	FRETâ€Integrated Polymer Brushes for Spatially Resolved Sensing of Changes in Polymer Conformation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16600-16606.	13.8	36
15	Glycogen-nucleic acid constructs for gene silencing in multicellular tumor spheroids. <i>Biomaterials</i> , 2018, 176, 34-49.	11.4	35
16	Metal-dependent inhibition of amyloid fibril formation: synergistic effects of cobaltâ€tannic acid networks. <i>Nanoscale</i> , 2019, 11, 1921-1928.	5.6	34
17	The Biomolecular Corona in 2D and Reverse: Patterning Metalâ€Phenolic Networks on Proteins, Lipids, Nucleic Acids, Polysaccharides, and Fingerprints. <i>Advanced Functional Materials</i> , 2020, 30, 1905805.	14.9	33
18	Selective Metalâ€Phenolic Assembly from Complex Multicomponent Mixtures. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17714-17721.	8.0	27

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19	Probing cell internalisation mechanics with polymer capsules. <i>Nanoscale</i> , 2016, 8, 17096-17101.	5.6	21
20	Surface Modification of Spider Silk Particles to Direct Biomolecular Corona Formation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 24635-24643.	8.0	21
21	Fluorinated Metal-Organic Coatings with Selective Wettability. <i>Journal of the American Chemical Society</i> , 2021, 143, 9972-9981.	13.7	21
22	Ricocheting Droplets Moving on Super-Repellent Surfaces. <i>Advanced Science</i> , 2019, 6, 1901846.	11.2	20
23	Order and correlation contributions to the entropy of hydrophobic solvation. <i>Journal of Chemical Physics</i> , 2015, 142, 114117.	3.0	17
24	Programmable Phototaxis of Metal-Phenolic Particle Microswimmers. <i>Advanced Materials</i> , 2021, 33, e2006177.	21.0	16
25	Mechanofluorescent Polymer Brush Surfaces that Spatially Resolve Surface Solvation. <i>ACS Nano</i> , 2022, 16, 3383-3393.	14.6	16
26	Liver glycogen in type 2 diabetic mice is randomly branched as enlarged aggregates with blunted glucose release. <i>Glycoconjugate Journal</i> , 2016, 33, 41-51.	2.7	15
27	The Attraction of Water for Itself at Hydrophobic Quartz Interfaces. <i>Journal of Physical Chemistry B</i> , 2020, 124, 6369-6375.	2.6	15
28	Long-range dipolar order and dispersion forces in polar liquids. <i>Journal of Chemical Physics</i> , 2017, 147, 194503.	3.0	11
29	Stabilizing Dipolar Interactions Drive Specific Molecular Structure at the Water Liquid-Vapor Interface. <i>Journal of Physical Chemistry B</i> , 2018, 122, 8309-8314.	2.6	11
30	Modular Assembly of Host-Guest Metal-Phenolic Networks Using Macrocyclic Building Blocks. <i>Angewandte Chemie</i> , 2020, 132, 281-286.	2.0	10
31	Protein Component of Oyster Glycogen Nanoparticles: An Anchor Point for Functionalization. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38976-38988.	8.0	8
32	The Impact of Water on the Lateral Nanostructure of a Deep Eutectic Solvent-Solid Interface. <i>Australian Journal of Chemistry</i> , 2022, 75, 111-125.	0.9	7
33	FRET-Integrated Polymer Brushes for Spatially Resolved Sensing of Changes in Polymer Conformation. <i>Angewandte Chemie</i> , 2021, 133, 16736-16742.	2.0	7
34	Manipulating meso-scale solvent structure from Pd nanoparticle deposits in deep eutectic solvents. <i>Journal of Chemical Physics</i> , 2021, 155, 074505.	3.0	7
35	Microemulsion-Assisted Templating of Metal-Stabilized Poly(ethylene glycol) Nanoparticles. <i>Biomacromolecules</i> , 2021, 22, 612-619.	5.4	6
36	Molecular Transport within Polymer Brushes: A FRET View at Aqueous Interfaces. <i>Molecules</i> , 2022, 27, 3043.	3.8	6

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37	Pair correlations that link the hydrophobic and Hofmeister effects. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14949-14959.	2.8	5
38	Membranotronics: Bioinspired Nonlinear Ion Transport with Negative Differential Resistance Based on Elastomeric Membrane System. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	5
39	Plasma Corona Protects Human Immune Cells from Structurally Nanoengineered Antimicrobial Peptide Polymers. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 33821-33829.	8.0	4
40	The coalescence of polystyrene in correlated binary solvents. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 948-955.	2.1	3
41	Antioxidant Triggered Metallic 1Tâ€™ Phase Transformations of Chemically Exfoliated Tungsten Disulfide (WS ₂) Nanosheets. <i>Small</i> , 2022, 18, e2107557.	10.0	3
42	Antioxidant Triggered Metallic 1Tâ€™ Phase Transformations of Chemically Exfoliated Tungsten Disulfide (WS ₂) Nanosheets (Small 12/2022). <i>Small</i> , 2022, 18, .	10.0	0