

Xiangjun Gong

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

462
citations

759233

12
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33
all docs

33
docs citations

33
times ranked

635
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive behaviors of planktonic <i>Pseudomonas aeruginosa</i> in response to the surface-deposited dead siblings. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 197, 111408.	5.0	7
2	Direct Detection of Viable but Non-culturable (VBNC) <i>Salmonella</i> in Real Food System by a Rapid and Accurate PMA-CPA Technique. <i>Frontiers in Microbiology</i> , 2021, 12, 634555.	3.5	10
3	Cation-amino acid interactions: Implications for protein destabilization. <i>Biochemical and Biophysical Research Communications</i> , 2021, 548, 47-52.	2.1	0
4	Antifouling mechanism of natural product-based coatings investigated by digital holographic microscopy. <i>Journal of Materials Science and Technology</i> , 2021, 84, 200-207.	10.7	14
5	Reduction, Prevention, and Control of <i>Salmonella enterica</i> Viable but Non-culturable Cells in Flour Food. <i>Frontiers in Microbiology</i> , 2020, 11, 1859.	3.5	7
6	Microscale topographic surfaces modulate three-dimensional migration of human spermatozoa. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 193, 111096.	5.0	5
7	Method for 3D tracking behaviors of interplaying bacteria individuals. <i>Optics Express</i> , 2020, 28, 28060.	3.4	9
8	Investigation of Formation of Bacterial Biofilm upon Dead Siblings. <i>Langmuir</i> , 2019, 35, 7405-7413.	3.5	19
9	Three-Dimensional Bacterial Motions near a Surface Investigated by Digital Holographic Microscopy: Effect of Surface Stiffness. <i>Langmuir</i> , 2019, 35, 12257-12263.	3.5	28
10	Alternating electric fields induce a period-dependent motion of <i>Escherichia coli</i> in three-dimension near a conductive surface. <i>Biointerphases</i> , 2019, 14, 011005.	1.6	3
11	Probing Sol-Gel Matrices and Dynamics of Star PEG Hydrogels Near Overlap Concentration. <i>Macromolecules</i> , 2019, 52, 8956-8966.	4.8	24
12	Betulin-Constituted Multiblock Amphiphiles for Broad-Spectrum Protein Resistance. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 6593-6600.	8.0	25
13	Salt-induced formation of DNA double helices from single stranded DNA investigated by analytical ultracentrifugation. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 501-508.	2.1	1
14	Near-surface microrheology reveals dynamics and viscoelasticity of soft matter. <i>Soft Matter</i> , 2018, 14, 9764-9776.	2.7	10
15	Improving axial resolution for holographic tracking of colloids and bacteria over a wide depth of field by optimizing different factors. <i>Optics Express</i> , 2018, 26, 9920.	3.4	9
16	Landing Dynamics of Swimming Bacteria on a Polymeric Surface: Effect of Surface Properties. <i>Langmuir</i> , 2017, 33, 3525-3533.	3.5	44
17	Three-Dimensional Bacterial Behavior near Dynamic Surfaces Formed by Degradable Polymers. <i>Langmuir</i> , 2017, 33, 13098-13104.	3.5	27
18	Removing the effect of blooming from potential energy measurement by employing total internal reflection microscopy integrated with video microscopy. <i>Journal of Colloid and Interface Science</i> , 2017, 503, 142-149.	9.4	3

#	ARTICLE	IF	CITATIONS
19	Long-range interactions between protein-coated particles and POEGMA brush layers in a serum environment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 150, 279-287.	5.0	7
20	Mechanical Insight into Resistance of Betaine to Urea-Induced Protein Denaturation. <i>Journal of Physical Chemistry B</i> , 2016, 120, 12327-12333.	2.6	12
21	Microrheology of growing <i>Escherichia coli</i> biofilms investigated by using magnetic force modulation atomic force microscopy. <i>Biointerphases</i> , 2016, 11, 041005.	1.6	5
22	Surface Roughness Modulates Diffusion and Fibrillation of Amyloid- β Peptide. <i>Langmuir</i> , 2016, 32, 8238-8244.	3.5	53
23	Measuring the Surface-Surface Interactions Induced by Serum Proteins in a Physiological Environment. <i>Langmuir</i> , 2016, 32, 12129-12136.	3.5	9
24	Measurements of Long-Range Interactions between Protein-Functionalized Surfaces by Total Internal Reflection Microscopy. <i>Langmuir</i> , 2015, 31, 3101-3107.	3.5	10
25	Investigation of cell behaviors on thermo-responsive PNIPAM microgel films. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 132, 202-207.	5.0	26
26	Tuning the Particle-Surface Interactions in Aqueous Solutions by Soft Microgel Particles. <i>Langmuir</i> , 2014, 30, 13182-13190.	3.5	8
27	Direct measurements of particle-surface interactions in aqueous solutions with total internal reflection microscopy. <i>Chemical Communications</i> , 2014, 50, 6556-6570.	4.1	33
28	Mapping Phase Diagrams of Polymer Solutions by a Combination of Microfluidic Solution Droplets and Laser Light-Scattering Detection. <i>Macromolecules</i> , 2014, 47, 2496-2502.	4.8	10
29	Investigating interactions between cationic particles and polyelectrolyte brushes with Total Internal Reflection Microscopy (TIRM). <i>Polymer Chemistry</i> , 2013, 4, 4356.	3.9	12
30	An active one-particle microrheometer: Incorporating magnetic tweezers to total internal reflection microscopy. <i>Review of Scientific Instruments</i> , 2013, 84, 033702.	1.3	7
31	Interactions between Solid Surfaces with Preadsorbed Poly(ethylenimine) (PEI) Layers: Effect of Unadsorbed Free PEI Chains. <i>Langmuir</i> , 2013, 29, 5974-5981.	3.5	20
32	A portable, stable and precise laser differential refractometer. <i>Review of Scientific Instruments</i> , 2013, 84, 114103.	1.3	5