Xiangjun Gong

List of Publications by Year
in descending order

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32	462	759233 12	752698 20
papers	citations	h-index	g-index

33	33	33	635
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surface Roughness Modulates Diffusion and Fibrillation of Amyloid-Î² Peptide. Langmuir, 2016, 32, 8238-8244.	3.5	53
2	Landing Dynamics of Swimming Bacteria on a Polymeric Surface: Effect of Surface Properties. Langmuir, 2017, 33, 3525-3533.	3.5	44
3	Direct measurements of particleâ€“surface interactions in aqueous solutions with total internal reflection microscopy. Chemical Communications, 2014, 50, 6556-6570.	4.1	33
4	Three-Dimensional Bacterial Motions near a Surface Investigated by Digital Holographic Microscopy: Effect of Surface Stiffness. Langmuir, 2019, 35, 12257-12263.	3.5	28
5	Three-Dimensional Bacterial Behavior near Dynamic Surfaces Formed by Degradable Polymers. Langmuir, 2017, 33, 13098-13104.	3.5	27
6	Investigation of cell behaviors on thermo-responsive PNIPAM microgel films. Colloids and Surfaces B: Biointerfaces, 2015, 132, 202-207.	5.0	26
7	Betulin-Constituted Multiblock Amphiphiles for Broad-Spectrum Protein Resistance. ACS Applied Materials & Interfaces, 2018, 10, 6593-6600.	8.0	25
8	Probing Solâ€“Gel Matrices and Dynamics of Star PEG Hydrogels Near Overlap Concentration. Macromolecules, 2019, 52, 8956-8966.	4.8	24
9	Interactions between Solid Surfaces with Preadsorbed Poly(ethylenimine) (PEI) Layers: Effect of Unadsorbed Free PEI Chains. Langmuir, 2013, 29, 5974-5981.	3.5	20
10	Investigation of Formation of Bacterial Biofilm upon Dead Siblings. Langmuir, 2019, 35, 7405-7413.	3.5	19
11	Antifouling mechanism of natural product-based coatings investigated by digital holographic microscopy. Journal of Materials Science and Technology, 2021, 84, 200-207.	10.7	14
12	Investigating interactions between cationic particles and polyelectrolyte brushes with Total Internal Reflection Microscopy (TIRM). Polymer Chemistry, 2013, 4, 4356.	3.9	12
13	Mechanical Insight into Resistance of Betaine to Urea-Induced Protein Denaturation. Journal of Physical Chemistry B, 2016, 120, 12327-12333.	2.6	12
14	Mapping Phase Diagrams of Polymer Solutions by a Combination of Microfluidic Solution Droplets and Laser Light-Scattering Detection. Macromolecules, 2014, 47, 2496-2502.	4.8	10
15	Measurements of Long-Range Interactions between Protein-Functionalized Surfaces by Total Internal Reflection Microscopy. Langmuir, 2015, 31, 3101-3107.	3.5	10
16	Near-surface microrheology reveals dynamics and viscoelasticity of soft matter. Soft Matter, 2018, 14, 9764-9776.	2.7	10
17	Direct Detection of Viable but Non-culturable (VBNC) Salmonella in Real Food System by a Rapid and Accurate PMA-CPA Technique. Frontiers in Microbiology, 2021, 12, 634555.	3.5	10
18	Measuring the Surfaceâ€“Surface Interactions Induced by Serum Proteins in a Physiological Environment. Langmuir, 2016, 32, 12129-12136.	3.5	9

#	Article	IF	Citations
19	Improving axial resolution for holographic tracking of colloids and bacteria over a wide depth of field by optimizing different factors. Optics Express, 2018, 26, 9920.	3.4	9
20	Method for 3D tracking behaviors of interplaying bacteria individuals. Optics Express, 2020, 28, 28060.	3.4	9
21	Tuning the Particleâ€“Surface Interactions in Aqueous Solutions by Soft Microgel Particles. Langmuir, 2014, 30, 13182-13190.	3.5	8
22	An active one-particle microrheometer: Incorporating magnetic tweezers to total internal reflection microscopy. Review of Scientific Instruments, 2013, 84, 033702.	1.3	7
23	Long-range interactions between protein-coated particles and POEGMA brush layers in a serum environment. Colloids and Surfaces B: Biointerfaces, 2017, 150, 279-287.	5.0	7
24	Reduction, Prevention, and Control of Salmonella enterica Viable but Non-culturable Cells in Flour Food. Frontiers in Microbiology, 2020, 11, 1859.	3.5	7
25	Adaptive behaviors of planktonic Pseudomonas aeruginosa in response to the surface-deposited dead siblings. Colloids and Surfaces B: Biointerfaces, 2021, 197, 111408.	5.0	7
26	A portable, stable and precise laser differential refractometer. Review of Scientific Instruments, 2013, 84, 114103.	1.3	5
27	Microrheology of growing Escherichia coli biofilms investigated by using magnetic force modulation atomic force microscopy. Biointerphases, 2016, 11, 041005.	1.6	5
28	Microscale topographic surfaces modulate three-dimensional migration of human spermatozoa. Colloids and Surfaces B: Biointerfaces, 2020, 193, 111096.	5.0	5
29	Removing the effect of blooming from potential energy measurement by employing total internal reflection microscopy integrated with video microscopy. Journal of Colloid and Interface Science, 2017, 503, 142-149.	9.4	3
30	Alternating electric fields induce a period-dependent motion ofEscherichia coliin three-dimension near a conductive surface. Biointerphases, 2019, 14, 011005.	1.6	3
31	Saltâ€induced formation of DNA double helices from single stranded DNA investigated by analytical ultracentrifugation. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 501-508.	2.1	1
32	Cation-amino acid interactions: Implications for protein destabilization. Biochemical and Biophysical Research Communications, 2021, 548, 47-52.	2.1	0