

Alisina Bazrafshan

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

511
citations

840776

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h-index

888059

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19
all docs

19
docs citations

19
times ranked

577
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical-to-mechanical molecular computation using DNA-based motors with onboard logic. Nature Nanotechnology, 2022, 17, 514-523.	31.5	17
2	DNA Gold Nanoparticle Motors Demonstrate Processive Motion with Bursts of Speed Up to 50 nm Per Second. ACS Nano, 2021, 15, 8427-8438.	14.6	28
3	Mechanically Triggered Hybridization Chain Reaction. Angewandte Chemie - International Edition, 2021, 60, 19974-19981.	13.8	34
4	Mechanically Triggered Hybridization Chain Reaction. Angewandte Chemie, 2021, 133, 20127-20134.	2.0	3
5	Massively Parallelized Molecular Force Manipulation with On-Demand Thermal and Optical Control. Journal of the American Chemical Society, 2021, 143, 19466-19473.	13.7	6
6	Supramolecular DNA Photonic Hydrogels for On-Demand Control of Coloration with High Spatial and Temporal Resolution. Nano Letters, 2021, 21, 9958-9965.	9.1	11
7	Building a community to engineer synthetic cells and organelles from the bottom-up. ELife, 2021, 10, .	6.0	27
8	Live-cell super-resolved PAINT imaging of piconewton cellular traction forces. Nature Methods, 2020, 17, 1018-1024.	19.0	85
9	Shape-Shifting Peptide Nanomaterials: Surface Asymmetry Enables pH-Dependent Formation and Interconversion of Collagen Tubes and Sheets. Journal of the American Chemical Society, 2020, 142, 19956-19968.	13.7	27
10	Highly Processive DNA Origami Nanoscale Motors. Biophysical Journal, 2020, 118, 479a.	0.5	0
11	Tunable DNA Origami Motors Translocate Ballistically Over $\hat{1}\frac{1}{4}$ m Distances at nm/s Speeds. Angewandte Chemie, 2020, 132, 9601-9608.	2.0	7
12	Tunable DNA Origami Motors Translocate Ballistically Over $\hat{1}\frac{1}{4}$ m Distances at nm/s Speeds. Angewandte Chemie - International Edition, 2020, 59, 9514-9521.	13.8	45
13	Highly Polyvalent DNA Motors Generate 100+ pN of Force via Autochemophoresis. Nano Letters, 2019, 19, 6977-6986.	9.1	41
14	2D Crystal Engineering of Nanosheets Assembled from Helical Peptide Building Blocks. Angewandte Chemie, 2019, 131, 13641-13646.	2.0	11
15	2D Crystal Engineering of Nanosheets Assembled from Helical Peptide Building Blocks. Angewandte Chemie - International Edition, 2019, 58, 13507-13512.	13.8	39
16	Chameleon-Inspired Strain-Accommodating Smart Skin. ACS Nano, 2019, 13, 9918-9926.	14.6	80
17	Seeded Heteroepitaxial Growth of Crystallizable Collagen Triple Helices: Engineering Multifunctional Two-Dimensional Core-Shell Nanostructures. Journal of the American Chemical Society, 2019, 141, 20107-20117.	13.7	42
18	Fuzzy C-means clustering for chromatographic fingerprints analysis: A gas chromatography-mass spectrometry case study. Journal of Chromatography A, 2016, 1438, 236-243.	3.7	8