

Alisina Bazrafshan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3956344/publications.pdf>

Version: 2024-02-01

18
papers

511
citations

840776

11
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

577
citing authors

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