Tobias Pirzer

List of Publications by Year
in descending order

24 papers	910 citations	567281 15 h-index	610901 24 g-index
26 all docs	26 docs citations	26 times ranked	1345 citing authors

#	Article	IF	Citations
1	Small Antisense DNA-Based Gene Silencing Enables Cell-Free Bacteriophage Manipulation and Genome Replication. ACS Synthetic Biology, 2021, 10, 459-465.	3.8	6
2	Growth of Giant Peptide Vesicles Driven by Compartmentalized Transcriptionâ€“Translation Activity. Chemistry - A European Journal, 2020, 26, 17356-17360.	3.3	16
3	Genetically Encoded Membranes for Bottomâ€Up Biology. ChemSystemsChem, 2019, 1, e1900016.	2.6	11
4	In Vesiculo Synthesis of Peptide Membrane Precursors for Autonomous Vesicle Growth. Journal of Visualized Experiments, 2019, , .	0.3	1
5	Periodic Operation of a Dynamic DNA Origami Structure Utilizing the Hydrophilicâ€“Hydrophobic Phaseâ€Transition of Stimulusâ€Sensitive Polypeptides. Small, 2019, 15, 1903541.	10.0	16
6	Genetically Encoded Membranes for Bottomâ€Up Biology. ChemSystemsChem, 2019, 1, e1900055.	2.6	1
7	Enhanced Efficiency of an Enzyme Cascade on DNA-Activated Silica Surfaces. Langmuir, 2018, 34, 14780-14786.	3.5	20
8	Towards synthetic cells using peptide-based reaction compartments. Nature Communications, 2018, 9, 3862.	12.8	75
9	Self-Assembled Active Plasmonic Waveguide with a Peptide-Based Thermomechanical Switch. ACS Nano, 2016, 10, 11377-11384.	14.6	40
10	Orthogonale Assemblierung von Proteinen auf DNAâ€Nanostrukturen mithilfe von Relaxasen. Angewandte Chemie, 2016, 128, 4421-4425.	2.0	7
11	Orthogonal Protein Assembly on DNA Nanostructures Using Relaxases. Angewandte Chemie - International Edition, 2016, 55, 4348-4352.	13.8	40
12	Diffusive Transport of Molecular Cargo Tethered to a DNA Origami Platform. Nano Letters, 2015, 15, 2693-2699.	9.1	46
13	Surfaceâ€Assisted Largeâ€Scale Ordering of DNA Origami Tiles. Angewandte Chemie - International Edition, 2014, 53, 7665-7668.	13.8	152
14	Measuring the interaction between ions, biopolymers and interfaces â€“ one polymer at a time. Faraday Discussions, 2013, 160, 329-340.	3.2	7
15	Imbibition of polystyrene melts in aligned carbon nanotube arrays. Journal of Applied Physics, 2013, 113, .	2.5	10
16	Magnetic Drug Targeting as New Therapeutic Option for the Treatment of Biomaterial Infections. Journal of Biomaterials Science, Polymer Edition, 2012, 23, 2321-2336.	3.5	10
17	On the Relationship between Peptide Adsorption Resistance and Surface Contact Angle: A Combined Experimental and Simulation Single-Molecule Study. Journal of the American Chemical Society, 2012, 134, 19628-19638.	13.7	72
18	Polymer Carpets. Small, 2010, 6, 1623-1630.	10.0	59

#	Article	IF	Citations
19	Polymeric materials: Polymer Carpets (Small 15/2010). Small, 2010, 6, n/a-n/a.	10.0	0
20	Atomic force microscopy spring constant determination in viscous liquids. Review of Scientific Instruments, 2009, 80, 035110.	1.3	52
21	Single molecule force measurements delineate salt, pH and surface effects on biopolymer adhesion. Physical Biology, 2009, 6, 025004.	1.8	33
22	Adsorption Mechanism of Polypeptides and Their Location at Hydrophobic Interfaces. ChemPhysChem, 2009, 10, 2795-2799.	2.1	15
23	Hydrophobic and Hofmeister Effects on the Adhesion of Spider Silk Proteins onto Solid Substrates:â€‰ An AFM-Based Single-Molecule Study. Langmuir, 2008, 24, 1350-1355.	3.5	55
24	Peptide adsorption on a hydrophobic surface results from an interplay of solvation, surface, and intrapeptide forces. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2842-2847.	7.1	147