Marco Werner

List of Publications by Year
in descending order

29 papers	813 citations	516710 16 h-index	501196 28 g-index
29 all docs	29 docs citations	29 times ranked	1151 citing authors

#	Article	IF	Citations
1	Protein corona modulates interaction of spiky nanoparticles with lipid bilayers. Journal of Colloid and Interface Science, 2021, 603, 550-558.	9.4	12
2	Decoding Interaction Patterns from the Chemical Sequence of Polymers Using Neural Networks. ACS Macro Letters, 2021, 10, 1333-1338.	4.8	4
3	Neural network learns physical rules for copolymer translocation through amphiphilic barriers. Npj Computational Materials, 2020, 6, .	8.7	5
4	The multi-faceted mechano-bactericidal mechanism of nanostructured surfaces. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12598-12605.	7.1	119
5	Unexpected Cholesterol-Induced Destabilization of Lipid Membranes near Transmembrane Carbon Nanotubes. Physical Review Letters, 2020, 124, 038001.	7.8	7
6	High-throughput 3D visualization of nanoparticles attached to the surface of red blood cells. Nanoscale, 2019, 11, 2282-2288.	5.6	12
7	Simulations of Protein Adsorption on Nanostructured Surfaces. Scientific Reports, 2019, 9, 4694.	3.3	34
8	Shape-Adaptive Single-Chain Nanoparticles Interacting with Lipid Membranes. Macromolecules, 2019, 52, 9578-9584.	4.8	6
9	The pyrrolopyrimidine colchicine-binding site agent PP-13 reduces the metastatic dissemination of invasive cancer cells in vitro and in vivo. Biochemical Pharmacology, 2019, 160, 1-13.	4.4	17
10	Formation and stabilization of pores in bilayer membranes by peptide-like amphiphilic polymers. Soft Matter, 2018, 14, 2526-2534.	2.7	10
11	Nanomaterial interactions with biomembranes: Bridging the gap between soft matter models and biological context. Biointerphases, 2018, 13, 028501.	1.6	23
12	Subtle Variations in Surface Properties of Black Silicon Surfaces Influence the Degree of Bactericidal Efficiency. Nano-Micro Letters, 2018, 10, 36.	27.0	68
13	Study of melanin localization in the mature maleCalopteryx haemorrhoidalisdamselfly wings. Journal of Synchrotron Radiation, 2018, 25, 874-877.	2.4	1
14	Tension-Induced Translocation of an Ultrashort Carbon Nanotube through a Phospholipid Bilayer. ACS Nano, 2018, 12, 12042-12049.	14.6	20
15	High Aspect Ratio Nanostructures Kill Bacteria via Storage and Release of Mechanical Energy. ACS Nano, 2018, 12, 6657-6667.	14.6	120
16	Structure and Chemical Organization in Damselfly Calopteryx haemorrhoidalis Wings: A Spatially Resolved FTIR and XRF Analysis with Synchrotron Radiation. Scientific Reports, 2018, 8, 8413.	3.3	11
17	Bridging molecular simulation models and elastic theories for amphiphilic membranes. Journal of Chemical Physics, 2018, 149, 014902.	3.0	2
18	Pillars of Life: Is There a Relationship between Lifestyle Factors and the Surface Characteristics of Dragonfly Wings?. ACS Omega, 2018, 3, 6039-6046.	3.5	19

#	Article	IF	Citations
19	Thermal Tunneling of Homopolymers through Amphiphilic Membranes. ACS Macro Letters, 2017, 6, 247-251.	4.8	9
20	Dynamic studies of the interaction of a pH responsive, amphiphilic polymer with a DOPC lipid membrane. Soft Matter, 2017, 13, 3690-3700.	2.7	16
21	Olympic Gels: Concatenation and Swelling. Macromolecular Symposia, 2015, 358, 140-147.	0.7	10
22	Translocation and Induced Permeability of Random Amphiphilic Copolymers Interacting with Lipid Bilayer Membranes. Biomacromolecules, 2015, 16, 125-135.	5.4	40
23	Interactions of Amphiphilic Triblock Copolymers with Lipid Membranes: Modes of Interaction and Effect on Permeability Examined by Generic Monte Carlo Simulations. Macromolecules, 2015, 48, 4724-4732.	4.8	35
24	Single polymer chains in poor solvent: Using the bond fluctuation method with explicit solvent. Journal of Chemical Physics, 2013, 138, 094902.	3.0	18
25	Critical adsorption controls translocation of polymer chains through lipid bilayers and permeation of solvent. Europhysics Letters, 2012, 98, 18003.	2.0	31
26	Nanoparticle-Induced Permeability of Lipid Membranes. ACS Nano, 2012, 6, 10555-10561.	14.6	90
27	Homo-polymers with balanced hydrophobicity translocate through lipid bilayers and enhance local solvent permeability. Soft Matter, 2012, 8, 11714.	2.7	44
28	Self-organized stiffness in regular fractal polymer structures. Physical Review E, 2011, 83, 051802.	2.1	3
29	Polymer-decorated tethered membranes under good- and poor-solvent conditions. European Physical Journal E, 2010, 31, 383-392.	1.6	27