

Jens Mägler

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,072
citations

687363

13
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

2105
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanotransduction: use the force(s). BMC Biology, 2015, 13, 47.	3.8	183
2	Mechanobiology of Macrophages: How Physical Factors Coregulate Macrophage Plasticity and Phagocytosis. Annual Review of Biomedical Engineering, 2019, 21, 267-297.	12.3	148
3	Differential basal-to-apical accessibility of lamin A/C epitopes in the nuclear lamina regulated by changes in cytoskeletal tension. Nature Materials, 2015, 14, 1252-1261.	27.5	142
4	The role of the interplay between polymer architecture and bacterial surface properties on the microbial adhesion to polyoxazoline-based ultrathin films. Biomaterials, 2010, 31, 9462-9472.	11.4	114
5	The Race to the Pole: How High-Aspect Ratio Shape and Heterogeneous Environments Limit Phagocytosis of Filamentous Escherichia coli Bacteria by Macrophages. Nano Letters, 2012, 12, 2901-2905.	9.1	92
6	Spatial distribution of cell-cell and cell-ECM adhesions regulates force balance while maintaining E-cadherin molecular tension in cell pairs. Molecular Biology of the Cell, 2015, 26, 2456-2465.	2.1	77
7	Macrophages lift off surface-bound bacteria using a filopodium-lamellipodium hook-and-shovel mechanism. Scientific Reports, 2013, 3, 2884.	3.3	75
8	Nonfouling Surface Coatings Based on Poly(2-methyl-2-oxazoline). Chimia, 2008, 62, 264.	0.6	53
9	Robotically controlled microprey to resolve initial attack modes preceding phagocytosis. Science Robotics, 2017, 2, .	17.6	49
10	A nanolayer coating on polydimethylsiloxane surfaces enables a mechanistic study of bacterial adhesion influenced by material surface physicochemistry. Materials Horizons, 2020, 7, 93-103.	12.2	31
11	Bacterial filamentation accelerates colonization of adhesive spots embedded in biopassive surfaces. New Journal of Physics, 2013, 15, 125016.	2.9	29
12	Controlling cell shape on hydrogels using lift-off protein patterning. PLoS ONE, 2018, 13, e0189901.	2.5	26
13	Resilience of bacterial quorum sensing against fluid flow. Scientific Reports, 2016, 6, 33115.	3.3	25
14	Automated time-resolved analysis of bacteria-substrate interactions using functionalized microparticles and flow cytometry. Biomaterials, 2011, 32, 4347-4357.	11.4	11
15	Fluorescence-based <i>in situ</i> assay to probe the viability and growth kinetics of surface-adhering and suspended recombinant bacteria. Biointerphases, 2013, 8, 22.	1.6	11
16	Three-dimensional, automated magnetic biomanipulation with subcellular resolution. , 2013, , .		4