Ingmar Schoen

List of Publications by Year in descending order

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INCMAR SCHOEN

#	Article	lF	CITATIONS
1	Platelets drive fibronectin fibrillogenesis using integrin αlIbβ3. Science Advances, 2022, 8, eabj8331.	10.3	11
2	Nanofiber Topographies Enhance Plateletâ€Fibrinogen Scaffold Interactions. Advanced Healthcare Materials, 2022, 11, e2200249.	7.6	9
3	Reduced platelet forces underlie impaired hemostasis in mouse models of <i>MYH9</i> -related disease. Science Advances, 2022, 8, eabn2627.	10.3	21
4	Breast cancer cells mediate endothelial cell activation, promoting von Willebrand factor release, tumor adhesion, and transendothelial migration. Journal of Thrombosis and Haemostasis, 2022, 20, 2350-2365.	3.8	18
5	In depth characterisation of the biomolecular coronas of polymer coated inorganic nanoparticles with differential centrifugal sedimentation. Scientific Reports, 2021, 11, 6443.	3.3	14
6	Site-Specifically-Labeled Antibodies for Super-Resolution Microscopy Reveal <i>In Situ</i> Linkage Errors. ACS Nano, 2021, 15, 12161-12170.	14.6	38
7	Violin SuperPlots: visualizing replicate heterogeneity in large data sets. Molecular Biology of the Cell, 2021, 32, 1333-1334.	2.1	25
8	PIP2-induced membrane binding of the Vinculin tail competes with its other binding partners. Biophysical Journal, 2021, 120, 4608-4622.	0.5	3
9	A handshake between platelets and neutrophils might fuel deep vein thrombosis. Platelets, 2020, 31, 624-626.	2.3	5
10	Phosphorylated fibronectin enhances cell attachment and upregulates mechanical cell functions. PLoS ONE, 2019, 14, e0218893.	2.5	16
11	InÂVitro Measurement and Modeling of Platelet Adhesion on VWF-Coated Surfaces in Channel Flow. Biophysical Journal, 2019, 116, 1136-1151.	0.5	16
12	Blood group alters platelet binding kinetics to von Willebrand factor and consequently platelet function. Blood, 2019, 133, 1371-1377.	1.4	36
13	Morphometric analysis of spread platelets identifies integrin αIIbβ3-specific contractile phenotype. Scientific Reports, 2018, 8, 5428.	3.3	28
14	Real-time 3D single-molecule localization using experimental point spread functions. Nature Methods, 2018, 15, 367-369.	19.0	234
15	Probing fibronectin conformation on a protein corona layer around nanoparticles. Nanoscale, 2018, 10, 1228-1233.	5.6	55
16	Structural Insights How PIP2 Imposes Preferred Binding Orientations of FAK at Lipid Membranes. Journal of Physical Chemistry B, 2017, 121, 3523-3535.	2.6	28
17	Robotically controlled microprey to resolve initial attack modes preceding phagocytosis. Science Robotics, 2017, 2, .	17.6	49
18	Measuring Nanometer Distances Between Fluorescent Labels Step-by-Step. Methods in Molecular Biology, 2017, 1663, 189-203.	0.9	2

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19	Nanoscale invaginations of the nuclear envelope: Shedding new light on wormholes with elusive function. Nucleus, 2017, 8, 506-514.	2.2	27
20	Stretchable Silver Nanowire Microelectrodes for Combined Mechanical and Electrical Stimulation of Cells. Advanced Healthcare Materials, 2016, 5, 2045-2054.	7.6	14
21	Improved Side Chain Dynamics in MARTINI Simulations of Protein–Lipid Interfaces. Journal of Chemical Theory and Computation, 2016, 12, 2446-2458.	5.3	54
22	Molecular architecture of native fibronectin fibrils. Nature Communications, 2015, 6, 7275.	12.8	90
23	Nanopore Diameters Tune Strain in Extruded Fibronectin Fibers. Nano Letters, 2015, 15, 6357-6364.	9.1	26
24	Disentangling the multifactorial contributions of fibronectin, collagen and cyclic strain on MMP expression and extracellular matrix remodeling by fibroblasts. Matrix Biology, 2014, 40, 62-72.	3.6	49
25	Conformational distribution of surface-adsorbed fibronectin molecules explored by single molecule localization microscopy. Biomaterials Science, 2014, 2, 883.	5.4	15
26	Functional Modification of Fibronectin by Nâ€Terminal FXIIIaâ€Mediated Transamidation. ChemBioChem, 2014, 15, 1481-1486.	2.6	7
27	Localization Precision in Stepwise Photobleaching Experiments. Biophysical Journal, 2014, 107, 2122-2129.	0.5	4
28	The Yin-Yang of Rigidity Sensing: How Forces and Mechanical Properties Regulate the Cellular Response to Materials. Annual Review of Materials Research, 2013, 43, 589-618.	9.3	106
29	Binding-Activated Localization Microscopy of DNA Structures. Nano Letters, 2011, 11, 4008-4011.	9.1	165
30	Substrate-mediated crosstalk between elastic pillars. Applied Physics Letters, 2010, 97, 023703.	3.3	2
31	Probing Cellular Traction Forces by Micropillar Arrays: Contribution of Substrate Warping to Pillar Deflection. Nano Letters, 2010, 10, 1823-1830.	9.1	153
32	Hybridization kinetics is different inside cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21649-21654.	7.1	92
33	Extracellular Stimulation of Mammalian Neurons Through Repetitive Activation of Na ⁺ Channels by Weak Capacitive Currents on a Silicon Chip. Journal of Neurophysiology, 2008, 100, 346-357.	1.8	101
34	The Mechanism of Extracellular Stimulation of Nerve Cells on an Electrolyte-Oxide-Semiconductor Capacitor. Biophysical Journal, 2007, 92, 1096-1111.	0.5	84
35	Activation of Na+ channels in cell membrane by capacitive stimulation with silicon chip. Applied Physics Letters, 2005, 87, 193901.	3.3	13