

Ingmar Schoen

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,616
citations

430442

18
h-index

360668

35
g-index

40
all docs

40
docs citations

40
times ranked

2906
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Platelets drive fibronectin fibrillogenesis using integrin $\alpha 5 \beta 3$. <i>Science Advances</i> , 2022, 8, eabj8331. | 4.7 | 11 |
| 2 | Nanofiber Topographies Enhance Platelet-Fibrinogen Scaffold Interactions. <i>Advanced Healthcare Materials</i> , 2022, 11, e2200249. | 3.9 | 9 |
| 3 | Reduced platelet forces underlie impaired hemostasis in mouse models of <i>MYH9</i> -related disease. <i>Science Advances</i> , 2022, 8, eabn2627. | 4.7 | 21 |
| 4 | Breast cancer cells mediate endothelial cell activation, promoting von Willebrand factor release, tumor adhesion, and transendothelial migration. <i>Journal of Thrombosis and Haemostasis</i> , 2022, 20, 2350-2365. | 1.9 | 18 |
| 5 | In depth characterisation of the biomolecular coronas of polymer coated inorganic nanoparticles with differential centrifugal sedimentation. <i>Scientific Reports</i> , 2021, 11, 6443. | 1.6 | 14 |
| 6 | Site-Specifically-Labeled Antibodies for Super-Resolution Microscopy Reveal <i>In Situ</i> Linkage Errors. <i>ACS Nano</i> , 2021, 15, 12161-12170. | 7.3 | 38 |
| 7 | Violin SuperPlots: visualizing replicate heterogeneity in large data sets. <i>Molecular Biology of the Cell</i> , 2021, 32, 1333-1334. | 0.9 | 25 |
| 8 | PIP2-induced membrane binding of the Vinculin tail competes with its other binding partners. <i>Biophysical Journal</i> , 2021, 120, 4608-4622. | 0.2 | 3 |
| 9 | A handshake between platelets and neutrophils might fuel deep vein thrombosis. <i>Platelets</i> , 2020, 31, 624-626. | 1.1 | 5 |
| 10 | Phosphorylated fibronectin enhances cell attachment and upregulates mechanical cell functions. <i>PLoS ONE</i> , 2019, 14, e0218893. | 1.1 | 16 |
| 11 | <i>In Vitro</i> Measurement and Modeling of Platelet Adhesion on VWF-Coated Surfaces in Channel Flow. <i>Biophysical Journal</i> , 2019, 116, 1136-1151. | 0.2 | 16 |
| 12 | Blood group alters platelet binding kinetics to von Willebrand factor and consequently platelet function. <i>Blood</i> , 2019, 133, 1371-1377. | 0.6 | 36 |
| 13 | Morphometric analysis of spread platelets identifies integrin $\alpha 5 \beta 3$ -specific contractile phenotype. <i>Scientific Reports</i> , 2018, 8, 5428. | 1.6 | 28 |
| 14 | Real-time 3D single-molecule localization using experimental point spread functions. <i>Nature Methods</i> , 2018, 15, 367-369. | 9.0 | 234 |
| 15 | Probing fibronectin conformation on a protein corona layer around nanoparticles. <i>Nanoscale</i> , 2018, 10, 1228-1233. | 2.8 | 55 |
| 16 | Structural Insights How PIP2 Imposes Preferred Binding Orientations of FAK at Lipid Membranes. <i>Journal of Physical Chemistry B</i> , 2017, 121, 3523-3535. | 1.2 | 28 |
| 17 | Robotically controlled microprey to resolve initial attack modes preceding phagocytosis. <i>Science Robotics</i> , 2017, 2, . | 9.9 | 49 |
| 18 | Measuring Nanometer Distances Between Fluorescent Labels Step-by-Step. <i>Methods in Molecular Biology</i> , 2017, 1663, 189-203. | 0.4 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Nanoscale invaginations of the nuclear envelope: Shedding new light on wormholes with elusive function. <i>Nucleus</i> , 2017, 8, 506-514. | 0.6 | 27 |
| 20 | Stretchable Silver Nanowire Microelectrodes for Combined Mechanical and Electrical Stimulation of Cells. <i>Advanced Healthcare Materials</i> , 2016, 5, 2045-2054. | 3.9 | 14 |
| 21 | Improved Side Chain Dynamics in MARTINI Simulations of Protein-Lipid Interfaces. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 2446-2458. | 2.3 | 54 |
| 22 | Molecular architecture of native fibronectin fibrils. <i>Nature Communications</i> , 2015, 6, 7275. | 5.8 | 90 |
| 23 | Nanopore Diameters Tune Strain in Extruded Fibronectin Fibers. <i>Nano Letters</i> , 2015, 15, 6357-6364. | 4.5 | 26 |
| 24 | Disentangling the multifactorial contributions of fibronectin, collagen and cyclic strain on MMP expression and extracellular matrix remodeling by fibroblasts. <i>Matrix Biology</i> , 2014, 40, 62-72. | 1.5 | 49 |
| 25 | Conformational distribution of surface-adsorbed fibronectin molecules explored by single molecule localization microscopy. <i>Biomaterials Science</i> , 2014, 2, 883. | 2.6 | 15 |
| 26 | Functional Modification of Fibronectin by N-Terminal FXIII-Mediated Transamidation. <i>ChemBioChem</i> , 2014, 15, 1481-1486. | 1.3 | 7 |
| 27 | Localization Precision in Stepwise Photobleaching Experiments. <i>Biophysical Journal</i> , 2014, 107, 2122-2129. | 0.2 | 4 |
| 28 | The Yin-Yang of Rigidity Sensing: How Forces and Mechanical Properties Regulate the Cellular Response to Materials. <i>Annual Review of Materials Research</i> , 2013, 43, 589-618. | 4.3 | 106 |
| 29 | Binding-Activated Localization Microscopy of DNA Structures. <i>Nano Letters</i> , 2011, 11, 4008-4011. | 4.5 | 165 |
| 30 | Substrate-mediated crosstalk between elastic pillars. <i>Applied Physics Letters</i> , 2010, 97, 023703. | 1.5 | 2 |
| 31 | Probing Cellular Traction Forces by Micropillar Arrays: Contribution of Substrate Warping to Pillar Deflection. <i>Nano Letters</i> , 2010, 10, 1823-1830. | 4.5 | 153 |
| 32 | Hybridization kinetics is different inside cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 21649-21654. | 3.3 | 92 |
| 33 | Extracellular Stimulation of Mammalian Neurons Through Repetitive Activation of Na ⁺ Channels by Weak Capacitive Currents on a Silicon Chip. <i>Journal of Neurophysiology</i> , 2008, 100, 346-357. | 0.9 | 101 |
| 34 | The Mechanism of Extracellular Stimulation of Nerve Cells on an Electrolyte-Oxide-Semiconductor Capacitor. <i>Biophysical Journal</i> , 2007, 92, 1096-1111. | 0.2 | 84 |
| 35 | Activation of Na ⁺ channels in cell membrane by capacitive stimulation with silicon chip. <i>Applied Physics Letters</i> , 2005, 87, 193901. | 1.5 | 13 |