

# Nico Strohmeyer

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5260726/publications.pdf>

Version: 2024-02-01

10  
papers

397  
citations

1039406

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1372195

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10  
docs citations

10  
times ranked

623  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fibronectin-bound $\alpha 5 \beta 1$ integrins sense load and signal to reinforce adhesion in less than a second. Nature Materials, 2017, 16, 1262-1270.	13.3	109
2	$\alpha V$ -class integrins exert dual roles on $\alpha 5 \beta 1$ integrins to strengthen adhesion to fibronectin. Nature Communications, 2017, 8, 14348.	5.8	92
3	Force spectroscopy of single cells using atomic force microscopy. Nature Reviews Methods Primers, 2021, 1, .	11.8	61
4	Assay for characterizing the recovery of vertebrate cells for adhesion measurements by single-cell force spectroscopy. FEBS Letters, 2014, 588, 3639-3648.	1.3	28
5	Increasing throughput of AFM-based single cell adhesion measurements through multisubstrate surfaces. Beilstein Journal of Nanotechnology, 2015, 6, 157-166.	1.5	25
6	$\alpha V$ -Integrins Are Required for Mechanotransduction in MDCK Epithelial Cells. PLoS ONE, 2013, 8, e71485.	1.1	22
7	Protease-activated receptor signalling initiates $\alpha 5 \beta 1$ -integrin-mediated adhesion in non-haematopoietic cells. Nature Materials, 2020, 19, 218-226.	13.3	20
8	Rheology of rounded mammalian cells over continuous high-frequencies. Nature Communications, 2021, 12, 2922.	5.8	19
9	$\alpha v$ -Class integrin binding to fibronectin is solely mediated by RGD and unaffected by an RGE mutation. Journal of Cell Biology, 2020, 219, .	2.3	17
10	New insights into the phosphorylation of the threonine motif of the $\beta 1$ integrin cytoplasmic domain. Life Science Alliance, 2022, 5, e202101301.	1.3	4