

Gert-Jan Bakker

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,172
citations

687363

13
h-index

940533

16
g-index

19
all docs

19
docs citations

19
times ranked

2170
citing authors

#	ARTICLE	IF	CITATIONS
1	Intravital deep-tumor single-beam 3-photon, 4-photon, and harmonic microscopy. <i>ELife</i> , 2022, 11, .	6.0	31
2	Actomyosin contractility requirements and reciprocal cell–tissue mechanics for cancer cell invasion through collagen-based channels. <i>European Physical Journal E</i> , 2022, 45, 48.	1.6	7
3	QUAREP–LiMi: A community–driven initiative to establish guidelines for quality assessment and reproducibility for instruments and images in light microscopy. <i>Journal of Microscopy</i> , 2021, 284, 56-73.	1.8	33
4	Community standards for open cell migration data. <i>GigaScience</i> , 2020, 9, .	6.4	12
5	Cell–cell adhesion and 3D matrix confinement determine jamming transitions in breast cancer invasion. <i>Nature Cell Biology</i> , 2020, 22, 1103-1115.	10.3	209
6	The tumour microenvironment shapes dendritic cell plasticity in a human organotypic melanoma culture. <i>Nature Communications</i> , 2020, 11, 2749.	12.8	51
7	Single cell-based automated quantification of therapy responses of invasive cancer spheroids in organotypic 3D culture. <i>Methods</i> , 2017, 128, 139-149.	3.8	27
8	Changes in membrane sphingolipid composition modulate dynamics and adhesion of integrin nanoclusters. <i>Scientific Reports</i> , 2016, 6, 20693.	3.3	61
9	Third harmonic generation microscopy of cells and tissue organization. <i>Journal of Cell Science</i> , 2016, 129, 245-55.	2.0	151
10	Directing collagen fibers using counter-rotating cone extrusion. <i>Acta Biomaterialia</i> , 2015, 12, 113-121.	8.3	37
11	Intravital third harmonic generation microscopy of collective melanoma cell invasion. <i>Intravital</i> , 2012, 1, 32-43.	2.0	277
12	Lateral mobility of individual integrin nanoclusters orchestrates the onset for leukocyte adhesion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4869-4874.	7.1	86
13	Fluorescence Lifetime Microscopy of Tumor Cell Invasion, Drug Delivery, and Cytotoxicity. <i>Methods in Enzymology</i> , 2012, 504, 109-125.	1.0	31
14	Two-photon laser-generated microtracks in 3D collagen lattices: principles of MMP-dependent and -independent collective cancer cell invasion. <i>Physical Biology</i> , 2011, 8, 029501-029501.	1.8	23
15	Two-photon laser-generated microtracks in 3D collagen lattices: principles of MMP-dependent and -independent collective cancer cell invasion. <i>Physical Biology</i> , 2011, 8, 015010.	1.8	120
16	Dynamic Re–organization of Individual Adhesion Nanoclusters in Living Cells by Ligand–Patterned Surfaces. <i>Small</i> , 2009, 5, 1258-1263.	10.0	12