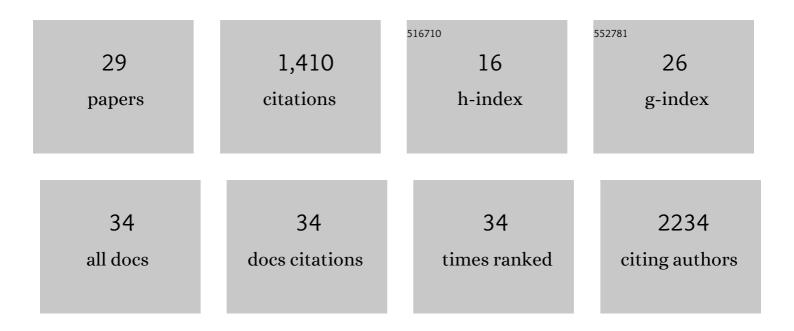
## Kristina Haase

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8770612/publications.pdf Version: 2024-02-01



#	Article	lF	CITATIONS
1	Investigating cell mechanics with atomic force microscopy. Journal of the Royal Society Interface, 2015, 12, 20140970.	3.4	288
2	Apple Derived Cellulose Scaffolds for 3D Mammalian Cell Culture. PLoS ONE, 2014, 9, e97835.	2.5	162
3	Advances in on-chip vascularization. Regenerative Medicine, 2017, 12, 285-302.	1.7	125
4	The effects of monocytes on tumor cell extravasation in a 3D vascularized microfluidic model. Biomaterials, 2019, 198, 180-193.	11.4	110
5	Extracellular Forces Cause the Nucleus to Deform in a Highly Controlled Anisotropic Manner. Scientific Reports, 2016, 6, 21300.	3.3	85
6	An on-chip model of protein paracellular and transcellular permeability in the microcirculation. Biomaterials, 2019, 212, 115-125.	11.4	80
7	Endothelial Regulation of Drug Transport in a 3D Vascularized Tumor Model. Advanced Functional Materials, 2020, 30, 2002444.	14.9	78
8	Mechanical cues in cellular signalling and communication. Cell and Tissue Research, 2013, 352, 77-94.	2.9	68
9	Pericytes Contribute to Dysfunction in a Human 3D Model of Placental Microvasculature through VEGFâ€Angâ€Tie2 Signaling. Advanced Science, 2019, 6, 1900878.	11.2	65
10	Prediction of stress shielding around an orthopedic screw: Using stress and strain energy density as mechanical stimuli. Computers in Biology and Medicine, 2013, 43, 1748-1757.	7.0	61
11	Force transduction and strain dynamics in actin stress fibres in response to nanonewton forces. Journal of Cell Science, 2012, 125, 603-613.	2.0	56
12	Resiliency of the plasma membrane and actin cortex to largeâ€scale deformation. Cytoskeleton, 2013, 70, 494-514.	2.0	36
13	Physiologic flow-conditioning limits vascular dysfunction in engineered human capillaries. Biomaterials, 2022, 280, 121248.	11.4	23
14	The role of the actin cortex in maintaining cell shape. Communicative and Integrative Biology, 2013, 6, e26714.	1.4	19
15	Mechanical Cues Direct Focal Adhesion Dynamics. Progress in Molecular Biology and Translational Science, 2014, 126, 103-134.	1.7	19
16	Microtubules mediate changes in membrane cortical elasticity during contractile activation. Experimental Cell Research, 2014, 322, 21-29.	2.6	19
17	Modelling the Human Placental Interface In Vitro—A Review. Micromachines, 2021, 12, 884.	2.9	19
18	Engineering Breast Cancer On-chip—Moving Toward Subtype Specific Models. Frontiers in Bioengineering and Biotechnology, 2021, 9, 694218.	4.1	18

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#	Article	IF	CITATIONS
19	A Discussion on Plating Factors that Affect Stress Shielding Using Finite Element Analysis. Journal of Biomechanical Science and Engineering, 2010, 5, 129-141.	0.3	14
20	A novel 3D vascular assay for evaluating angiogenesis across porous membranes. Biomaterials, 2021, 268, 120592.	11.4	14
21	Classical and Non-classical Fibrosis Phenotypes Are Revealed by Lung and Cardiac Like Microvascular Tissues On-Chip. Frontiers in Physiology, 2021, 12, 735915.	2.8	13
22	Strategies for controlling egress of therapeutic cells from hydrogel microcapsules. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 612-624.	2.7	12
23	Once upon a dish: engineering multicellular systems. Development (Cambridge), 2020, 147, .	2.5	10
24	Cysteine cathepsins are altered by flow within an engineered <i>in vitro</i> microvascular niche. APL Bioengineering, 2020, 4, 046102.	6.2	7
25	Rapid dynamics of cell-shape recovery in response to local deformations. Soft Matter, 2017, 13, 567-577.	2.7	3
26	Seasonal changes in membrane structure and excitability in retinal neurons of goldfish ( <i>Carassius) Tj ETQq0 (</i>	0 0 <u>1 g</u> BT /C	verlock 10 T

27	The Role of the Cortex and the Cytoplasm in Deformations of the Plasma Membrane. Biophysical Journal, 2014, 106, 361a.	0.5	0
28	Simultaneous optical and mechanical probes to investigate complex cellular responses to physical cues. , 2015, , .		0
29	Computational and Experimental Approaches to Cellular and Subcellular Tracking at the Nanoscale. , 2018, , 333-362.		0