Andreas Weber

List of Publications by Year
in descending order

15	213	1163117 8	1058476 14
papers	citations	h-index	g-index

15	15	15	257
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Substrate stiffness modulates the viscoelastic properties of MCF-7Âcells. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 125, 104979.	3.1	15
2	Aâ€toâ€‹ RNA editing of Filamin A regulates cellular adhesion, migration and mechanical properties. FEBS Journal, 2022, 289, 4580-4601.	4.7	17
3	Measuring Mechanical Properties of Breast Cancer Cells with Atomic Force Microscopy. Methods in Molecular Biology, 2022, 2471, 323-343.	0.9	3
4	Measuring (biological) materials mechanics with atomic force microscopy. 3. Mechanical unfolding of biopolymers. Microscopy Research and Technique, 2022, , .	2.2	1
5	Measuring biological materials mechanics with atomic force microscopy â€•Determination of viscoelastic cell properties from stress relaxation experiments. Microscopy Research and Technique, 2022, 85, 3284-3295.	2.2	8
6	Measuring (biological) materials mechanics with atomic force microscopy. 2. Influence of the loading rate and applied force (colloidal particles). Microscopy Research and Technique, 2021, 84, 1078-1088.	2.2	8
7	Nucleotides-Induced Changes in the Mechanical Properties of Living Endothelial Cells and Astrocytes, Analyzed by Atomic Force Microscopy. International Journal of Molecular Sciences, 2021, 22, 624.	4.1	5
8	Estrogen Modulates Epithelial Breast Cancer Cell Mechanics and Cell-to-Cell Contacts. Materials, 2021, 14, 2897.	2.9	7
9	Time- and Zinc-Related Changes in Biomechanical Properties of Human Colorectal Cancer Cells Examined by Atomic Force Microscopy. Biology, 2020, 9, 468.	2.8	1
10	Single-Cell Probe Force Studies to Identify Sox2 Overexpression-Promoted Cell Adhesion in MCF7 Breast Cancer Cells. Cells, 2020, 9, 935.	4.1	9
11	Resveratrol-Induced Temporal Variation in the Mechanical Properties of MCF-7 Breast Cancer Cells Investigated by Atomic Force Microscopy. International Journal of Molecular Sciences, 2019, 20, 3275.	4.1	25
12	Microtubule disruption changes endothelial cell mechanics and adhesion. Scientific Reports, 2019, 9, 14903.	3.3	40
13	Measuring biomaterials mechanics with atomic force microscopy. 1. Influence of the loading rate and applied force (pyramidal tips). Microscopy Research and Technique, 2019, 82, 1392-1400.	2.2	37
14	Algal cell response to laboratory-induced cadmium stress: a multimethod approach. European Biophysics Journal, 2019, 48, 231-248.	2.2	16
15	Influencing the adhesion properties and wettability of mucin protein films by variation of the environmental pH. Scientific Reports, 2018, 8, 9660.	3.3	21