

Andreas Weber

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

213
citations

1163117

8
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

257
citing authors

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