

Kornelia Galior

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11744712/publications.pdf>

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16
papers

1,129
citations

623734

14
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

1682
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA-based nanoparticle tension sensors reveal that T-cell receptors transmit defined pN forces to their antigens for enhanced fidelity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5610-5615.	7.1	256
2	Molecular Tension Probes for Imaging Forces at the Cell Surface. Accounts of Chemical Research, 2017, 50, 2915-2924.	15.6	127
3	Nanoparticle Tension Probes Patterned at the Nanoscale: Impact of Integrin Clustering on Force Transmission. Nano Letters, 2014, 14, 5539-5546.	9.1	124
4	Bone marrow fat accumulation accelerated by high fat diet is suppressed by exercise. Bone, 2014, 64, 39-46.	2.9	124
5	Development of Vitamin D Toxicity from Overcorrection of Vitamin D Deficiency: A Review of Case Reports. Nutrients, 2018, 10, 953.	4.1	111
6	Titin-Based Nanoparticle Tension Sensors Map High-Magnitude Integrin Forces within Focal Adhesions. Nano Letters, 2016, 16, 341-348.	9.1	79
7	Exercise Regulation of Marrow Fat in the Setting of PPAR β Agonist Treatment in Female C57BL/6 Mice. Endocrinology, 2015, 156, 2753-2761.	2.8	52
8	10 years of 25-hydroxyvitamin-D testing by LC-MS/MS-trends in vitamin-D deficiency and sufficiency. Bone Reports, 2018, 8, 268-273.	0.4	45
9	A General Approach for Generating Fluorescent Probes to Visualize Piconewton Forces at the Cell Surface. Journal of the American Chemical Society, 2016, 138, 2901-2904.	13.7	44
10	Mechanically Induced Catalytic Amplification Reaction for Readout of Receptor-Mediated Cellular Forces. Angewandte Chemie - International Edition, 2016, 55, 5488-5492.	13.8	36
11	Forces during cellular uptake of viruses and nanoparticles at the ventral side. Nature Communications, 2020, 11, 32.	12.8	35
12	Mechanical Strain Downregulates C/EBP β in MSC and Decreases Endoplasmic Reticulum Stress. PLoS ONE, 2012, 7, e51613.	2.5	29
13	Exercise Increases and Browns Muscle Lipid in High-Fat Diet-Fed Mice. Frontiers in Endocrinology, 2016, 7, 80.	3.5	26
14	Molecular Tension Probes to Investigate the Mechanopharmacology of Single Cells: A Step toward Personalized Mechanomedicine. Advanced Healthcare Materials, 2018, 7, e1800069.	7.6	17
15	Light-Responsive Polymer Particles as Force Clamps for the Mechanical Unfolding of Target Molecules. Nano Letters, 2018, 18, 2630-2636.	9.1	16
16	Mechanically Induced Catalytic Amplification Reaction for Readout of Receptor-Mediated Cellular Forces. Angewandte Chemie, 2016, 128, 5578-5582.	2.0	8