

# Ze Gong

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

639  
citations

933264

10  
h-index

1058333

14  
g-index

17  
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17  
docs citations

17  
times ranked

825  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gigahertz topological valley Hall effect in nanoelectromechanical phononic crystals. <i>Nature Electronics</i> , 2022, 5, 157-163.	13.1	37
2	Enhanced substrate stress relaxation promotes filopodia-mediated cell migration. <i>Nature Materials</i> , 2021, 20, 1290-1299.	13.3	111
3	Recursive feedback between matrix dissipation and chemo-mechanical signaling drives oscillatory growth of cancer cell invadopodia. <i>Cell Reports</i> , 2021, 35, 109047.	2.9	14
4	Opposite responses of normal hepatocytes and hepatocellular carcinoma cells to substrate viscoelasticity. <i>Biomaterials Science</i> , 2020, 8, 1316-1328.	2.6	44
5	Mechanisms of Local Stress Amplification in Axons near the Gray-White Matter Interface. <i>Biophysical Journal</i> , 2020, 119, 1290-1300.	0.2	9
6	Forced peeling and relaxation of neurite governed by rate-dependent adhesion and cellular viscoelasticity. <i>Extreme Mechanics Letters</i> , 2020, 40, 100902.	2.0	0
7	Fundamental Characteristics of Neuron Adhesion Revealed by Forced Peeling and Time-Dependent Healing. <i>Biophysical Journal</i> , 2020, 118, 1811-1819.	0.2	10
8	Tension- and Adhesion-Regulated Retraction of Injured Axons. <i>Biophysical Journal</i> , 2019, 117, 193-202.	0.2	16
9	Dynamic fibroblast contractions attract remote macrophages in fibrillar collagen matrix. <i>Nature Communications</i> , 2019, 10, 1850.	5.8	167
10	Distinct relaxation timescales of neurites revealed by rate-dependent indentation, relaxation and micro-rheology tests. <i>Soft Matter</i> , 2019, 15, 166-174.	1.2	10
11	Matching material and cellular timescales maximizes cell spreading on viscoelastic substrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2686-E2695.	3.3	183
12	Biomaterials: Disordered Topography Mediates Filopodial Extension and Morphology of Cells on Stiff Materials ( <i>Adv. Funct. Mater.</i> 38/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	7.8	3
13	Disordered Topography Mediates Filopodial Extension and Morphology of Cells on Stiff Materials. <i>Advanced Functional Materials</i> , 2017, 27, 1702689.	7.8	18
14	Viscoelastic response of neural cells governed by the deposition of amyloid- $\beta$ peptides ( $A\beta$ ). <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	13