

# Ze Gong

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7263002/publications.pdf>

Version: 2024-02-01

14  
papers

639  
citations

933447

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1058476

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17  
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docs citations

17  
times ranked

825  
citing authors

#	ARTICLE	IF	CITATIONS
1	Matching material and cellular timescales maximizes cell spreading on viscoelastic substrates. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2686-E2695.	7.1	183
2	Dynamic fibroblast contractions attract remote macrophages in fibrillar collagen matrix. Nature Communications, 2019, 10, 1850.	12.8	167
3	Enhanced substrate stress relaxation promotes filopodia-mediated cell migration. Nature Materials, 2021, 20, 1290-1299.	27.5	111
4	Opposite responses of normal hepatocytes and hepatocellular carcinoma cells to substrate viscoelasticity. Biomaterials Science, 2020, 8, 1316-1328.	5.4	44
5	Gigahertz topological valley Hall effect in nanoelectromechanical phononic crystals. Nature Electronics, 2022, 5, 157-163.	26.0	37
6	Disordered Topography Mediates Filopodial Extension and Morphology of Cells on Stiff Materials. Advanced Functional Materials, 2017, 27, 1702689.	14.9	18
7	Tension- and Adhesion-Regulated Retraction of Injured Axons. Biophysical Journal, 2019, 117, 193-202.	0.5	16
8	Recursive feedback between matrix dissipation and chemo-mechanical signaling drives oscillatory growth of cancer cell invadopodia. Cell Reports, 2021, 35, 109047.	6.4	14
9	Viscoelastic response of neural cells governed by the deposition of amyloid- $\beta$ peptides ( $A\beta$ ). Journal of Applied Physics, 2016, 119, .	2.5	13
10	Distinct relaxation timescales of neurites revealed by rate-dependent indentation, relaxation and micro-rheology tests. Soft Matter, 2019, 15, 166-174.	2.7	10
11	Fundamental Characteristics of Neuron Adhesion Revealed by Forced Peeling and Time-Dependent Healing. Biophysical Journal, 2020, 118, 1811-1819.	0.5	10
12	Mechanisms of Local Stress Amplification in Axons near the Gray-White Matter Interface. Biophysical Journal, 2020, 119, 1290-1300.	0.5	9
13	Biomaterials: Disordered Topography Mediates Filopodial Extension and Morphology of Cells on Stiff Materials (Adv. Funct. Mater. 38/2017). Advanced Functional Materials, 2017, 27, .	14.9	3
14	Forced peeling and relaxation of neurite governed by rate-dependent adhesion and cellular viscoelasticity. Extreme Mechanics Letters, 2020, 40, 100902.	4.1	0