

# Mary Ecke

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Mobile Actin Clusters and Traveling Waves in Cells Recovering from Actin Depolymerization. Biophysical Journal, 2004, 87, 3493-3503.	0.5	180
2	Actin and PIP3 waves in giant cells reveal the inherent length scale of an excited state. Journal of Cell Science, 2014, 127, 4507-17.	2.1	85
3	PIP3 Waves and PTEN Dynamics in the Emergence of Cell Polarity. Biophysical Journal, 2012, 103, 1170-1178.	0.5	79
4	Self-organizing actin waves as planar phagocytic cup structures. Cell Adhesion and Migration, 2009, 3, 373-382.	2.7	71
5	The Architecture of Traveling Actin Waves Revealed by Cryo-Electron Tomography. Structure, 2019, 27, 1211-1223.e5.	3.4	59
6	Propagating waves separate two states of actin organization in living cells. HFSP Journal, 2009, 3, 412-427.	2.8	58
7	Actin Organization in Cells Responding to a Perforated Surface, Revealed by Live Imaging and Cryo-Electron Tomography. Structure, 2016, 24, 1031-1043.	3.4	51
8	Membrane and actin reorganization in electropulse-induced cell fusion. Journal of Cell Science, 2013, 126, 2069-78.	2.1	32
9	Reversible Membrane Pearling in Live Cells upon Destruction of the Actin Cortex. Biophysical Journal, 2014, 106, 1079-1091.	0.5	28
10	Local Ras activation, PTEN pattern, and global actin flow in the chemotactic responses of oversized cells. Journal of Cell Science, 2016, 129, 3462-3472.	2.1	16
11	Formins specify membrane patterns generated by propagating actin waves. Molecular Biology of the Cell, 2020, 31, 373-385.	2.4	16
12	Co-existence of Ras activation in a chemotactic signal transduction pathway and in an autonomous wave-forming system. Small GTPases, 2019, 10, 72-80.	1.9	13
13	Oscillatory Switches of Dorso-Ventral Polarity in Cells Confined between Two Surfaces. Biophysical Journal, 2018, 115, 150-162.	0.5	11
14	Unilateral Cleavage Furrows in Multinucleate Cells. Cells, 2020, 9, 1493.	4.3	9
15	Wave Patterns in Cell Membrane and Actin Cortex Uncoupled from Chemotactic Signals. Methods in Molecular Biology, 2016, 1407, 79-96.	1.4	8
16	Patterning of the cell cortex and the localization of cleavage furrows in multi-nucleate cells. Journal of Cell Science, 2022, 135, .	2.1	5
17	Genetic Instability Due to Spindle Anomalies Visualized in Mutants of Dictyostelium. Cells, 2021, 10, 2240.	4.3	1
18	Decision Making in Phagocytosis. Advances in Experimental Medicine and Biology, 2020, 1246, 71-81.	9.0	0