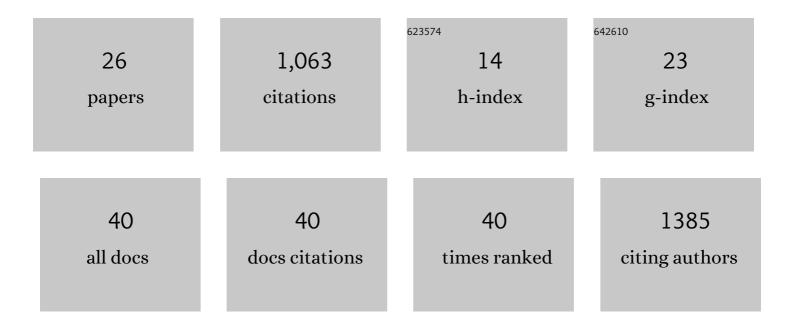
Alison E Patteson

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4312892/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Vimentin protects cells against nuclear rupture and DNA damage during migration. Journal of Cell Biology, 2019, 218, 4079-4092.	2.3	155
2	Coherent heteroepitaxy of Bi2Se3 on GaAs (111)B. Applied Physics Letters, 2010, 97, .	1.5	132
3	Emergence of tissue-like mechanics from fibrous networks confined by close-packed cells. Nature, 2019, 573, 96-101.	13.7	118
4	Active colloids in complex fluids. Current Opinion in Colloid and Interface Science, 2016, 21, 86-96.	3.4	101
5	Particle diffusion in active fluids is non-monotonic in size. Soft Matter, 2016, 12, 2365-2372.	1.2	75
6	Loss of Vimentin Enhances Cell Motility through Small Confining Spaces. Small, 2019, 15, e1903180.	5.2	59
7	Mechanical and Nonâ€Mechanical Functions of Filamentous and Nonâ€Filamentous Vimentin. BioEssays, 2020, 42, e2000078.	1.2	55
8	The propagation of active-passive interfaces in bacterial swarms. Nature Communications, 2018, 9, 5373.	5.8	51
9	Extracellular Vimentin as a Target Against SARSâ€CoVâ€⊋ Host Cell Invasion. Small, 2022, 18, e2105640.	5.2	41
10	A tissue-engineered human trabecular meshwork hydrogel for advanced glaucoma disease modeling. Experimental Eye Research, 2021, 205, 108472.	1.2	34
11	Vimentin tunes cell migration on collagen by controlling \hat{l}^21 integrin activation and clustering. Journal of Cell Science, 2021, 134, .	1.2	30
12	The vimentin cytoskeleton: when polymer physics meets cell biology. Physical Biology, 2021, 18, 011001.	0.8	26
13	Vimentin Intermediate Filaments Mediate Cell Morphology on Viscoelastic Substrates. ACS Applied Bio Materials, 2022, 5, 552-561.	2.3	21
14	Unique Role of Vimentin Networks in Compression Stiffening of Cells and Protection of Nuclei from Compressive Stress. Nano Letters, 2022, 22, 4725-4732.	4.5	21
15	Dynamic Nuclear Structure Emerges from Chromatin Cross-Links and Motors. Physical Review Letters, 2021, 126, 158101.	2.9	20
16	Quenching active swarms: effects of light exposure on collective motility in swarming <i>Serratia marcescens</i> . Journal of the Royal Society Interface, 2019, 16, 20180960.	1.5	19
17	Measuring material relaxation and creep recovery in a microfluidic device. Lab on A Chip, 2013, 13, 1850.	3.1	16
18	Cell-induced confinement effects in soft tissue mechanics. Journal of Applied Physics, 2021, 129, .	1.1	15

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#	Article	IF	CITATIONS
19	Spreading rates of bacterial colonies depend on substrate stiffness and permeability. , 2022, 1, .		12
20	The role of vimentin–nuclear interactions in persistent cell motility through confined spaces. New Journal of Physics, 2021, 23, 093042.	1.2	10
21	Rab11 endosomes and Pericentrin coordinate centrosome movement during pre-abscission in vivo. Life Science Alliance, 2022, 5, e202201362.	1.3	7
22	Materials science and mechanosensitivity of living matter. Applied Physics Reviews, 2022, 9, 011320.	5.5	4
23	A data-driven statistical description for the hydrodynamics of active matter. New Journal of Physics, 2021, 23, 103004.	1.2	3
24	Bacterial activity hinders particle sedimentation. Soft Matter, 2021, 17, 4151-4160.	1.2	2
25	BioEssays 11/2020. BioEssays, 2020, 42, 2070113.	1.2	Ο
26	Cell nuclei as cytoplasmic rheometers. Biophysical Journal, 2021, 120, 1535-1536.	0.2	0