Alison E Patteson

List of Publications by Year
in descending order

26	1,063	623574	642610
papers	citations	14 h-index	23 g-index

40	40	40	1385
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Vimentin Intermediate Filaments Mediate Cell Morphology on Viscoelastic Substrates. ACS Applied Bio Materials, 2022, 5, 552-561.	2.3	21
2	Extracellular Vimentin as a Target Against SARSâ€CoVâ€2 Host Cell Invasion. Small, 2022, 18, e2105640.	5.2	41
3	Materials science and mechanosensitivity of living matter. Applied Physics Reviews, 2022, 9, 011320.	5.5	4
4	Rab11 endosomes and Pericentrin coordinate centrosome movement during pre-abscission in vivo. Life Science Alliance, 2022, 5, e202201362.	1.3	7
5	Spreading rates of bacterial colonies depend on substrate stiffness and permeability. , 2022, 1, .		12
6	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
7	Bacterial activity hinders particle sedimentation. Soft Matter, 2021, 17, 4151-4160.	1.2	2
8	Vimentin tunes cell migration on collagen by controlling Î²1 integrin activation and clustering. Journal of Cell Science, 2021, 134, .	1.2	30
9	Cell-induced confinement effects in soft tissue mechanics. Journal of Applied Physics, 2021, 129, .	1.1	15
10	Dynamic Nuclear Structure Emerges from Chromatin Cross-Links and Motors. Physical Review Letters, 2021, 126, 158101.	2.9	20
11	A tissue-engineered human trabecular meshwork hydrogel for advanced glaucoma disease modeling. Experimental Eye Research, 2021, 205, 108472.	1.2	34
12	Cell nuclei as cytoplasmic rheometers. Biophysical Journal, 2021, 120, 1535-1536.	0.2	0
13	A data-driven statistical description for the hydrodynamics of active matter. New Journal of Physics, 2021, 23, 103004.	1.2	3
14	The role of vimentinâ€“nuclear interactions in persistent cell motility through confined spaces. New Journal of Physics, 2021, 23, 093042.	1.2	10
15	The vimentin cytoskeleton: when polymer physics meets cell biology. Physical Biology, 2021, 18, 011001.	0.8	26
16	Mechanical and Nonâ€Mechanical Functions of Filamentous and Nonâ€Filamentous Vimentin. BioEssays, 2020, 42, e2000078.	1.2	55
17	BioEssays 11/2020. BioEssays, 2020, 42, 2070113.	1.2	0
18	Quenching active swarms: effects of light exposure on collective motility in swarming Serratia marcescens. Journal of the Royal Society Interface, 2019, 16, 20180960.	1.5	19

#	Article	IF	Citations
19	Vimentin protects cells against nuclear rupture and DNA damage during migration. Journal of Cell Biology, 2019, 218, 4079-4092.	2.3	155
20	Loss of Vimentin Enhances Cell Motility through Small Confining Spaces. Small, 2019, 15, e1903180.	5.2	59
21	Emergence of tissue-like mechanics from fibrous networks confined by close-packed cells. Nature, 2019, 573, 96-101.	13.7	118
22	The propagation of active-passive interfaces in bacterial swarms. Nature Communications, 2018, 9, 5373.	5.8	51
23	Particle diffusion in active fluids is non-monotonic in size. Soft Matter, 2016, 12, 2365-2372.	1.2	75
24	Active colloids in complex fluids. Current Opinion in Colloid and Interface Science, 2016, 21, 86-96.	3.4	101
25	Measuring material relaxation and creep recovery in a microfluidic device. Lab on A Chip, 2013, 13, 1850.	3.1	16
26	Coherent heteroepitaxy of Bi2Se3 on GaAs (111)B. Applied Physics Letters, 2010, 97, .	1.5	132