

Alison E Patteson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4312892/publications.pdf>

Version: 2024-02-01

26
papers

1,063
citations

623734

14
h-index

642732

23
g-index

40
all docs

40
docs citations

40
times ranked

1385
citing authors

#	ARTICLE	IF	CITATIONS
1	Vimentin Intermediate Filaments Mediate Cell Morphology on Viscoelastic Substrates. ACS Applied Bio Materials, 2022, 5, 552-561.	4.6	21
2	Extracellular Vimentin as a Target Against SARS-CoV-2 Host Cell Invasion. Small, 2022, 18, e2105640.	10.0	41
3	Materials science and mechanosensitivity of living matter. Applied Physics Reviews, 2022, 9, 011320.	11.3	4
4	Rab11 endosomes and Pericentrin coordinate centrosome movement during pre-abscission in vivo. Life Science Alliance, 2022, 5, e202201362.	2.8	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.	9.1	21
7	Bacterial activity hinders particle sedimentation. Soft Matter, 2021, 17, 4151-4160.	2.7	2
8	Vimentin tunes cell migration on collagen by controlling β 1 integrin activation and clustering. Journal of Cell Science, 2021, 134, .	2.0	30
9	Cell-induced confinement effects in soft tissue mechanics. Journal of Applied Physics, 2021, 129, .	2.5	15
10	Dynamic Nuclear Structure Emerges from Chromatin Cross-Links and Motors. Physical Review Letters, 2021, 126, 158101.	7.8	20
11	A tissue-engineered human trabecular meshwork hydrogel for advanced glaucoma disease modeling. Experimental Eye Research, 2021, 205, 108472.	2.6	34
12	Cell nuclei as cytoplasmic rheometers. Biophysical Journal, 2021, 120, 1535-1536.	0.5	0
13	A data-driven statistical description for the hydrodynamics of active matter. New Journal of Physics, 2021, 23, 103004.	2.9	3
14	The role of vimentin-nuclear interactions in persistent cell motility through confined spaces. New Journal of Physics, 2021, 23, 093042.	2.9	10
15	The vimentin cytoskeleton: when polymer physics meets cell biology. Physical Biology, 2021, 18, 011001.	1.8	26
16	Mechanical and Non-Mechanical Functions of Filamentous and Non-Filamentous Vimentin. BioEssays, 2020, 42, e2000078.	2.5	55
17	BioEssays 11/2020. BioEssays, 2020, 42, 2070113.	2.5	0
18	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.	3.4	19

#	ARTICLE	IF	CITATIONS
19	Vimentin protects cells against nuclear rupture and DNA damage during migration. <i>Journal of Cell Biology</i> , 2019, 218, 4079-4092.	5.2	155
20	Loss of Vimentin Enhances Cell Motility through Small Confining Spaces. <i>Small</i> , 2019, 15, e1903180.	10.0	59
21	Emergence of tissue-like mechanics from fibrous networks confined by close-packed cells. <i>Nature</i> , 2019, 573, 96-101.	27.8	118
22	The propagation of active-passive interfaces in bacterial swarms. <i>Nature Communications</i> , 2018, 9, 5373.	12.8	51
23	Particle diffusion in active fluids is non-monotonic in size. <i>Soft Matter</i> , 2016, 12, 2365-2372.	2.7	75
24	Active colloids in complex fluids. <i>Current Opinion in Colloid and Interface Science</i> , 2016, 21, 86-96.	7.4	101
25	Measuring material relaxation and creep recovery in a microfluidic device. <i>Lab on A Chip</i> , 2013, 13, 1850.	6.0	16
26	Coherent heteroepitaxy of Bi ₂ Se ₃ on GaAs (111)B. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	132