Philip G Allen

List of Publications by Year
in descending order

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Version: 2024-02-01

		758635	1058022
17	1,714	12	14
papers	citations	h-index	g-index

17	17	17	2064
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mutations in ACTN4, encoding Î±-actinin-4, cause familial focal segmental glomerulosclerosis. Nature Genetics, 2000, 24, 251-256.	9.4	1,124
2	Phagocytosis inAcanthamoeba: I. A mannose receptor is responsible for the binding and phagocytosis of yeast. Journal of Cellular Physiology, 1990, 145, 508-513.	2.0	102
3	Mechanical and Failure Properties of Extracellular Matrix Sheets as a Function of Structural Protein Composition. Biophysical Journal, 2008, 94, 1916-1929.	0.2	64
4	Dynamics of filamentous actin organization in the sea urchin egg cortex during early cleavage divisions: Implications for the mechanism of cytokinesis. , 1997, 36, 30-42.		61
5	Fluctuation-driven mechanotransduction regulates mitochondrial-network structureÂandÂfunction. Nature Materials, 2015, 14, 1049-1057.	13.3	60
6	Actin filament uncapping localizes to ruffling lamellae and rocketing vesicles. Nature Cell Biology, 2003, 5, 972-979.	4.6	55
7	Mechanical Forces Regulate Elastase Activity and Binding Site Availability in Lung Elastin. Biophysical Journal, 2010, 99, 3076-3083.	0.2	49
8	Calcium Regulation of Gelsolin and Adseverin:Â A Natural Test of the Helix Latch Hypothesisâ€. Biochemistry, 2000, 39, 5274-5279.	1.2	40
9	C-terminal variations in ?-thymosin family members specify functional differences in actin-binding properties. , 2000, 77, 277-287.		35
10	Mechanical failure, stress redistribution, elastase activity and binding site availability on elastin during the progression of emphysema. Pulmonary Pharmacology and Therapeutics, 2012, 25, 268-275.	1.1	33
11	Phagocytosis inAcanthamoeba: II. Soluble and insoluble mannose-rich ligands stimulate phosphoinositide metabolism. Journal of Cellular Physiology, 1990, 145, 514-521.	2.0	26
12	Functional consequences of disulfide bond formation in gelsolin. FEBS Letters, 1997, 401, 89-94.	1.3	18
13	Brains and brawn: plectin as regulator and reinforcer of the cytoskeleton. BioEssays, 1999, 21, 451-454.	1.2	17
14	Characterization of Gelsolin Truncates that Inhibit Actin Depolymerization by Severing Activity of Gelsolin and Cofilin. FEBS Journal, 1997, 248, 834-839.	0.2	15
15	Induction of Apoptosis by Gelsolin Truncates. Annals of the New York Academy of Sciences, 1999, 886, 217-220.	1.8	9
16	A microfluidic chamber-based approach to map the shear moduli of vascular cells and other soft materials. Scientific Reports, 2017, 7, 2305.	1.6	6
17	Tactoidal Granules in Concentrated Actin Gels: A Solidlike State of Protein Filaments. Materials Research Society Symposia Proceedings, 1997, 489, 33.	0.1	0