Nathan E Hudson

List of Publications by Year
in descending order

14	490	1040056 9	1058476 14
papers	citations	h-index	g-index

16	16	16	684
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural determinants of integrin Î²-subunit specificity for latent TGF-Î². Nature Structural and Molecular Biology, 2014, 21, 1091-1096.	8.2	115
2	Stiffening of Individual Fibrin Fibers Equitably Distributes Strain and Strengthens Networks. Biophysical Journal, 2010, 98, 1632-1640.	0.5	64
3	Evidence that Î±C Region Is Origin of Low Modulus, High Extensibility, and Strain Stiffening in Fibrin Fibers. Biophysical Journal, 2010, 99, 3038-3047.	0.5	64
4	Biophysical Mechanisms Mediating Fibrin Fiber Lysis. BioMed Research International, 2017, 2017, 1-17.	1.9	51
5	Physical Determinants of Fibrinolysis in Single Fibrin Fibers. PLoS ONE, 2015, 10, e0116350.	2.5	48
6	Submillisecond Elastic Recoil Reveals Molecular Origins of Fibrin Fiber Mechanics. Biophysical Journal, 2013, 104, 2671-2680.	0.5	35
7	Force-induced on-rate switching and modulation by mutations in gain-of-function von Willebrand diseases. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4648-4653.	7.1	34
8	Î²-Subunit Binding Is Sufficient for Ligands to Open the Integrin Î±IIbÎ²3 Headpiece. Journal of Biological Chemistry, 2016, 291, 4537-4546.	3.4	28
9	Inherent fibrin fiber tension propels mechanisms of network clearance during fibrinolysis. Acta Biomaterialia, 2020, 107, 164-177.	8.3	20
10	Microscale structural changes of individual fibrin fibers during fibrinolysis. Acta Biomaterialia, 2022, 141, 114-122.	8.3	11
11	Development of Transient Recombinant Expression and Affinity Chromatography Systems for Human Fibrinogen. International Journal of Molecular Sciences, 2022, 23, 1054.	4.1	6
12	The Applicability of Current Turbidimetric Approaches for Analyzing Fibrin Fibers and Other Filamentous Networks. Biomolecules, 2022, 12, 807.	4.0	6
13	The utility and potential of mathematical models in predicting fibrinolytic outcomes. Current Opinion in Biomedical Engineering, 2021, 20, 100337.	3.4	5
14	Von Willebrand factor A1 domain stability and affinity for GPIbÎ± are differentially regulated by its O-glycosylated N- and C-linker. ELife, 2022, 11, .	6.0	3