

Nathan E Hudson

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

490
citations

1040056

9
h-index

1058476

14
g-index

16
all docs

16
docs citations

16
times ranked

684
citing authors

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