

Chafen Lu

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,168
citations

759233

12
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

1873
citing authors

#	ARTICLE	IF	CITATIONS
1	Force interacts with macromolecular structure in activation of TGF- β 2. <i>Nature</i> , 2017, 542, 55-59.	27.8	222
2	Structural Evidence for Loose Linkage between Ligand Binding and Kinase Activation in the Epidermal Growth Factor Receptor. <i>Molecular and Cellular Biology</i> , 2010, 30, 5432-5443.	2.3	179
3	A Milieu Molecule for TGF- β 2 Required for Microglia Function in the Nervous System. <i>Cell</i> , 2018, 174, 156-171.e16.	28.9	130
4	Structural determinants of integrin β 2-subunit specificity for latent TGF- β 2. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 1091-1096.	8.2	115
5	Conformational equilibria and intrinsic affinities define integrin activation. <i>EMBO Journal</i> , 2017, 36, 629-645.	7.8	112
6	Relating conformation to function in integrin β 5 β 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3872-81.	7.1	110
7	Mechanisms for Kinase-mediated Dimerization of the Epidermal Growth Factor Receptor. <i>Journal of Biological Chemistry</i> , 2012, 287, 38244-38253.	3.4	70
8	The Binding Sites for Competitive Antagonistic, Allosteric Antagonistic, and Agonistic Antibodies to the I Domain of Integrin LFA-1. <i>Journal of Immunology</i> , 2004, 173, 3972-3978.	0.8	42
9	Fusion surface structure, function, and dynamics of gamete fusogen HAP2. <i>ELife</i> , 2018, 7, .	6.0	37
10	Atypical interactions of integrin β 8 with pro-TGF- β 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4168-E4174.	7.1	34
11	Prodomain "growth factor swapping in the structure of pro-TGF- β 1. <i>Journal of Biological Chemistry</i> , 2018, 293, 1579-1589.	3.4	31
12	LRRC33 is a novel binding and potential regulating protein of TGF- β 1 function in human acute myeloid leukemia cells. <i>PLoS ONE</i> , 2019, 14, e0213482.	2.5	21
13	Evolutionarily distant I domains can functionally replace the essential ligand-binding domain of Plasmodium TRAP. <i>ELife</i> , 2020, 9, .	6.0	19
14	High integrin β V β 6 affinity reached by hybrid domain deletion slows ligand-binding on-rate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1429-E1436.	7.1	14
15	Design and assessment of TRAP-CSP fusion antigens as effective malaria vaccines. <i>PLoS ONE</i> , 2020, 15, e0216260.	2.5	13
16	Sorting zebrafish thrombocyte lineage cells with a Cd41 monoclonal antibody enriches hematopoietic stem cell activity. <i>Blood</i> , 2017, 129, 1394-1397.	1.4	7
17	Structural basis of malaria transmission blockade by a monoclonal antibody to gamete fusogen HAP2. <i>ELife</i> , 2021, 10, .	6.0	7
18	Von Willebrand factor A1 domain stability and affinity for GPIb β are differentially regulated by its O-glycosylated N- and C-linker. <i>ELife</i> , 2022, 11, .	6.0	3

#	ARTICLE	IF	CITATIONS
19	Monomeric prefusion structure of an extremophile gamete fusogen and stepwise formation of the postfusion trimeric state. Nature Communications, 2022, 13, .	12.8	2