

Xianchi Dong

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,533
citations

516710

16
h-index

713466

21
g-index

25
all docs

25
docs citations

25
times ranked

2695
citing authors

#	ARTICLE	IF	CITATIONS
1	Disulfide exchange in multimerization of von Willebrand factor and gel-forming mucins. <i>Blood</i> , 2021, 137, 1263-1267.	1.4	14
2	N501Y mutation of spike protein in SARS-CoV-2 strengthens its binding to receptor ACE2. <i>ELife</i> , 2021, 10, .	6.0	262
3	Structural basis of malaria transmission blockade by a monoclonal antibody to gamete fusogen HAP2. <i>ELife</i> , 2021, 10, .	6.0	7
4	Specific high affinity interaction of <i>Helicobacter pylori</i> CagL with integrin $\alpha V\beta 6$ promotes type IV secretion of CagA into human cells. <i>FEBS Journal</i> , 2019, 286, 3980-3997.	4.7	16
5	The von Willebrand factor D β 3 assembly and structural principles for factor VIII binding and concatemer biogenesis. <i>Blood</i> , 2019, 133, 1523-1533.	1.4	55
6	High integrin $\alpha V\beta 6$ 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
7	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
8	Fusion surface structure, function, and dynamics of gamete fusogen HAP2. <i>ELife</i> , 2018, 7, .	6.0	37
9	Force interacts with macromolecular structure in activation of TGF β 2. <i>Nature</i> , 2017, 542, 55-59.	27.8	222
10	Atypical interactions of integrin $\alpha V\beta 8$ 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	Rules of engagement between $\alpha V\beta 6$ integrin and foot-and-mouth disease virus. <i>Nature Communications</i> , 2017, 8, 15408.	12.8	75
12	Structural determinants of integrin β -subunit specificity for latent TGF β 2. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 1091-1096.	8.2	115
13	GARP regulates the bioavailability and activation of TGF β 2. <i>Molecular Biology of the Cell</i> , 2012, 23, 1129-1139.	2.1	153
14	$\alpha V\beta 3$ Integrin Crystal Structures and Their Functional Implications. <i>Biochemistry</i> , 2012, 51, 8814-8828.	2.5	66
15	A novel calcium-binding site of von Willebrand factor A2 domain regulates its cleavage by ADAMTS13. <i>Blood</i> , 2011, 117, 4623-4631.	1.4	47
16	Crystal structure of <i>Pyrococcus horikoshii</i> tryptophanyl-tRNA synthetase and structure-based phylogenetic analysis suggest an archaeal origin of tryptophanyl-tRNA synthetase. <i>Nucleic Acids Research</i> , 2010, 38, 1401-1412.	14.5	13
17	Crystal structures of <i>Saccharomyces cerevisiae</i> tryptophanyl-tRNA synthetase: new insights into the mechanism of tryptophan activation and implications for anti-fungal drug design. <i>Nucleic Acids Research</i> , 2010, 38, 3399-3413.	14.5	17
18	Molecular Basis of the Acceleration of the GDP-GTP Exchange of Human Ras Homolog Enriched in Brain by Human Translationally Controlled Tumor Protein. <i>Journal of Biological Chemistry</i> , 2009, 284, 23754-23764.	3.4	60

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19	Catalytic mechanism of the tryptophan activation reaction revealed by crystal structures of human tryptophanyl-tRNA synthetase in different enzymatic states. <i>Nucleic Acids Research</i> , 2008, 36, 1288-1299.	14.5	34
20	Molecular Basis of the Interaction of <i>Saccharomyces cerevisiae</i> Eaf3 Chromo Domain with Methylated H3K36. <i>Journal of Biological Chemistry</i> , 2008, 283, 36504-36512.	3.4	59
21	Structure of human MRG15 chromo domain and its binding to Lys36-methylated histone H3. <i>Nucleic Acids Research</i> , 2006, 34, 6621-6628.	14.5	138