

Penny A Handford

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,618
citations

623574

14
h-index

580701

25
g-index

26
all docs

26
docs citations

26
times ranked

3271
citing authors

#	ARTICLE	IF	CITATIONS
1	Somatic mutant clones colonize the human esophagus with age. <i>Science</i> , 2018, 362, 911-917.	6.0	805
2	A conserved face of the Jagged/Serrate DSL domain is involved in Notch trans-activation and cis-inhibition. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 849-857.	3.6	222
3	Fringe-mediated extension of α -linked fucose in the ligand-binding region of Notch1 increases binding to mammalian Notch ligands. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7290-7295.	3.3	94
4	Two novel protein α -glucosyltransferases that modify sites distinct from POGlut1 and affect Notch trafficking and signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8395-E8402.	3.3	68
5	Structural Analysis Uncovers Lipid-Binding Properties of Notch Ligands. <i>Cell Reports</i> , 2013, 5, 861-867.	2.9	45
6	New insights into the structure, assembly and biological roles of 10-12 nm connective tissue microfibrils from fibrillin-1 studies. <i>Biochemical Journal</i> , 2016, 473, 827-838.	1.7	40
7	Structural and functional dissection of the interplay between lipid and Notch binding by human Notch ligands. <i>EMBO Journal</i> , 2017, 36, 2204-2215.	3.5	39
8	Aspartate/asparagine- γ -hydroxylase crystal structures reveal an unexpected epidermal growth factor-like domain substrate disulfide pattern. <i>Nature Communications</i> , 2019, 10, 4910.	5.8	34
9	Non-Linear and Flexible Regions of the Human Notch1 Extracellular Domain Revealed by High-Resolution Structural Studies. <i>Structure</i> , 2016, 24, 555-566.	1.6	32
10	Development of Therapeutic Anti-JAGGED1 Antibodies for Cancer Therapy. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 2030-2042.	1.9	31
11	Effects of proline α -isomerization on TB domain secondary structure. <i>Protein Science</i> , 1998, 7, 2127-2135.	3.1	28
12	Molecular Basis for Jagged-1/Serrate Ligand Recognition by the Notch Receptor. <i>Journal of Biological Chemistry</i> , 2013, 288, 7305-7312.	1.6	28
13	C-terminal propeptide is required for fibrillin-1 secretion and blocks premature assembly through linkage to domains cbEGF41-43. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10155-10160.	3.3	27
14	A microfibril assembly assay identifies different mechanisms of dominance underlying Marfan syndrome, stiff skin syndrome and acromelic dysplasias. <i>Human Molecular Genetics</i> , 2015, 24, 4454-4463.	1.4	26
15	The N-Terminal Region of Fibrillin-1 Mediates a Bipartite Interaction with LTBP1. <i>Structure</i> , 2017, 25, 1208-1221.e5.	1.6	15
16	A form of muscular dystrophy associated with pathogenic variants in JAG2. <i>American Journal of Human Genetics</i> , 2021, 108, 840-856.	2.6	15
17	Structural Insights into Notch Receptor-Ligand Interactions. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1066, 33-46.	0.8	13
18	Marfan syndrome caused by a mutation in FBN1 that gives rise to cryptic splicing and a 33 nucleotide insertion in the coding sequence. <i>Human Genetics</i> , 2001, 109, 416-420.	1.8	12

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19	A disease-associated mutation in fibrillin-1 differentially regulates integrin-mediated cell adhesion. <i>Journal of Biological Chemistry</i> , 2019, 294, 18232-18243.	1.6	11
20	The N1317H Substitution Associated with Leber Congenital Amaurosis Results in Impaired Interdomain Packing in Human CRB1 Epidermal Growth Factor-like (EGF) Domains. <i>Journal of Biological Chemistry</i> , 2007, 282, 28807-28814.	1.6	9
21	NMR Spectroscopic and Bioinformatic Analyses of the LTBP1 C-Terminus Reveal a Highly Dynamic Domain Organisation. <i>PLoS ONE</i> , 2014, 9, e87125.	1.1	9
22	¹ H, ¹³ C and ¹⁵ N assignments of EGF domains 4 to 7 of human Notch-1. <i>Biomolecular NMR Assignments</i> , 2015, 9, 275-279.	0.4	5
23	¹ H, ¹³ C and ¹⁵ N assignments of EGF domains 8-11 of human Notch-1. <i>Biomolecular NMR Assignments</i> , 2015, 9, 375-379.	0.4	4
24	Assembly assay identifies a critical region of human fibrillin-1 required for 10-12 nm diameter microfibril biogenesis. <i>PLoS ONE</i> , 2021, 16, e0248532.	1.1	3
25	The conserved C2 phospholipid-binding domain in Delta contributes to robust Notch signalling. <i>EMBO Reports</i> , 2021, 22, e52729.	2.0	3