Penny A Handford

List of Publications by Year
in descending order

25	1,618	623574	580701
papers	citations	14 h-index	25 g-index

26	26	26	3271
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Assembly assay identifies a critical region of human fibrillin-1 required for 10â€“12 nm diameter microfibril biogenesis. PLoS ONE, 2021, 16, e0248532.	1.1	3
2	A form of muscular dystrophy associated with pathogenic variants in JAG2. American Journal of Human Genetics, 2021, 108, 840-856.	2.6	15
3	The conserved C2 phospholipidâ€binding domain in Delta contributes to robust Notch signalling. EMBO Reports, 2021, 22, e52729.	2.0	3
4	A disease-associated mutation in fibrillin-1 differentially regulates integrin-mediated cell adhesion. Journal of Biological Chemistry, 2019, 294, 18232-18243.	1.6	11
5	Aspartate/asparagine-Î²-hydroxylase crystal structures reveal an unexpected epidermal growth factor-like domain substrate disulfide pattern. Nature Communications, 2019, 10, 4910.	5.8	34
6	Development of Therapeutic Anti-JAGGED1 Antibodies for Cancer Therapy. Molecular Cancer Therapeutics, 2019, 18, 2030-2042.	1.9	31
7	Somatic mutant clones colonize the human esophagus with age. Science, 2018, 362, 911-917.	6.0	805
8	Structural Insights into Notch Receptor-Ligand Interactions. Advances in Experimental Medicine and Biology, 2018, 1066, 33-46.	0.8	13
9	Two novel protein O -glucosyltransferases that modify sites distinct from POGLUT1 and affect Notch trafficking and signaling. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8395-E8402.	3.3	68
10	The N-Terminal Region of Fibrillin-1 Mediates a Bipartite Interaction with LTBP1. Structure, 2017, 25, 1208-1221.e5.	1.6	15
11	Structural and functional dissection of the interplay between lipid and Notch binding by human Notch ligands. EMBO Journal, 2017, 36, 2204-2215.	3.5	39
12	New insights into the structure, assembly and biological roles of 10â€“12 nm connective tissue microfibrils from fibrillin-1 studies. Biochemical Journal, 2016, 473, 827-838.	1.7	40
13	Non-Linear and Flexible Regions of the Human Notch1 Extracellular Domain Revealed by High-Resolution Structural Studies. Structure, 2016, 24, 555-566.	1.6	32
14	1H, 13C and 15N assignments of EGF domains 8â€“11 of human Notch-1. Biomolecular NMR Assignments, 2015, 9, 375-379.	0.4	4
15	A microfibril assembly assay identifies different mechanisms of dominance underlying Marfan syndrome, stiff skin syndrome and acromelic dysplasias. Human Molecular Genetics, 2015, 24, 4454-4463.	1.4	26
16	1H, 13C and 15N assignments of EGF domains 4 to 7 of human Notch-1. Biomolecular NMR Assignments, 2015, 9, 275-279.	0.4	5
17	NMR Spectroscopic and Bioinformatic Analyses of the LTBP1 C-Terminus Reveal a Highly Dynamic Domain Organisation. PLoS ONE, 2014, 9, e87125.	1.1	9
18	Fringe-mediated extension of O -linked fucose in the ligand-binding region of Notch1 increases binding to mammalian Notch ligands. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7290-7295.	3.3	94

#	Article	IF	Citations
19	C-terminal propeptide is required for fibrillin-1 secretion and blocks premature assembly through linkage to domains cbEGF41-43. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10155-10160.	3.3	27
20	Structural Analysis Uncovers Lipid-Binding Properties of Notch Ligands. Cell Reports, 2013, 5, 861-867.	2.9	45
21	Molecular Basis for Jagged-1/Serrate Ligand Recognition by the Notch Receptor. Journal of Biological Chemistry, 2013, 288, 7305-7312.	1.6	28
22	A conserved face of the Jagged/Serrate DSL domain is involved in Notch trans-activation and cis-inhibition. Nature Structural and Molecular Biology, 2008, 15, 849-857.	3.6	222
23	The N1317H Substitution Associated with Leber Congenital Amaurosis Results in Impaired Interdomain Packing in Human CRB1 Epidermal Growth Factor-like (EGF) Domains. Journal of Biological Chemistry, 2007, 282, 28807-28814.	1.6	9
24	Marfan syndrome caused by a mutation in FBN1 that gives rise to cryptic splicing and a 33 nucleotide insertion in the coding sequence. Human Genetics, 2001, 109, 416-420.	1.8	12
25	Effects of proline cisâ€trans isomerization on TB domain secondary structure. Protein Science, 1998, 7, 2127-2135.	3.1	28