

Charlotte H Coles

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,912
citations

566801

15
h-index

887659

17
g-index

17
all docs

17
docs citations

17
times ranked

3105
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteoglycan-Specific Molecular Switch for RPTP β Clustering and Neuronal Extension. <i>Science</i> , 2011, 332, 484-488.	6.0	294
2	Posttranslational hydroxylation of ankyrin repeats in I β B proteins by the hypoxia-inducible factor (HIF) asparaginyl hydroxylase, factor inhibiting HIF (FIH). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14767-14772.	3.3	258
3	Initiation of T cell signaling by CD45 segregation at 'close contacts'. <i>Nature Immunology</i> , 2016, 17, 574-582.	7.0	253
4	Coordinating Neuronal Actin \leftrightarrow Microtubule Dynamics. <i>Current Biology</i> , 2015, 25, R677-R691.	1.8	236
5	Asparaginyl Hydroxylation of the Notch Ankyrin Repeat Domain by Factor Inhibiting Hypoxia-inducible Factor. <i>Journal of Biological Chemistry</i> , 2007, 282, 24027-24038.	1.6	189
6	Structure of three tandem filamin domains reveals auto-inhibition of ligand binding. <i>EMBO Journal</i> , 2007, 26, 3993-4004.	3.5	134
7	Structural Basis for Plexin Activation and Regulation. <i>Neuron</i> , 2016, 91, 548-560.	3.8	89
8	RhoA Controls Axon Extension Independent of Specification in the Developing Brain. <i>Current Biology</i> , 2019, 29, 3874-3886.e9.	1.8	71
9	Carbohydrate and Domain Architecture of an Immature Antibody Glycoform Exhibiting Enhanced Effector Functions. <i>Journal of Molecular Biology</i> , 2009, 387, 1061-1066.	2.0	67
10	Structural basis for extracellular cis and trans RPTP β signal competition in synaptogenesis. <i>Nature Communications</i> , 2014, 5, 5209.	5.8	67
11	Chemical and Structural Analysis of an Antibody Folding Intermediate Trapped during Glycan Biosynthesis. <i>Journal of the American Chemical Society</i> , 2012, 134, 17554-17563.	6.6	65
12	Structural basis for cell surface patterning through NetrinG-NGL interactions. <i>EMBO Journal</i> , 2011, 30, 4479-4488.	3.5	58
13	Targeting phosphatase-dependent proteoglycan switch for rheumatoid arthritis therapy. <i>Science Translational Medicine</i> , 2015, 7, 288ra76.	5.8	44
14	TCRs with Distinct Specificity Profiles Use Different Binding Modes to Engage an Identical Peptide \leftrightarrow HLA Complex. <i>Journal of Immunology</i> , 2020, 204, 1943-1953.	0.4	34
15	Extracellular regulation of type IIa receptor protein tyrosine phosphatases: mechanistic insights from structural analyses. <i>Seminars in Cell and Developmental Biology</i> , 2015, 37, 98-107.	2.3	31
16	T cell receptor interactions with human leukocyte antigen govern indirect peptide selectivity for the cancer testis antigen MAGE-A4. <i>Journal of Biological Chemistry</i> , 2020, 295, 11486-11494.	1.6	20
17	Microtubule Self-Organization via Protein-RNA Network Crosstalk. <i>Cell</i> , 2014, 158, 245-247.	13.5	2