Doryen Bubeck

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1553057/publications.pdf

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27 papers	2,105 citations	361413 20 h-index	552781 26 g-index
42 all docs	42 docs citations	42 times ranked	3081 citing authors

#	Article	IF	Citations
1	Structural basis of complement membrane attack complex formation. Nature Communications, 2016, 7, 10587.	12.8	213
2	Defective removal of ribonucleotides from DNA promotes systemic autoimmunity. Journal of Clinical Investigation, 2015, 125, 413-424.	8.2	190
3	Assembly and Regulation of the Membrane Attack Complex Based on Structures of C5b6 and sC5b9. Cell Reports, 2012, 1, 200-207.	6.4	161
4	The Structure of the Poliovirus 135S Cell Entry Intermediate at 10-Angstrom Resolution Reveals the Location of an Externalized Polypeptide That Binds to Membranes. Journal of Virology, 2005, 79, 7745-7755.	3.4	160
5	The mystery behind membrane insertion: a review of the complement membrane attack complex. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160221.	4.0	132
6	PCNA directs type 2 RNase H activity on DNA replication and repair substrates. Nucleic Acids Research, 2011, 39, 3652-3666.	14.5	112
7	Structural and Functional Studies of LRP6 Ectodomain Reveal a Platform for Wnt Signaling. Developmental Cell, 2011, 21, 848-861.	7.0	109
8	Structure of the Bacteriophage Ï•6 Nucleocapsid Suggests a Mechanism for Sequential RNA Packaging. Structure, 2006, 14, 1039-1048.	3.3	108
9	Characterization of Early Steps in the Poliovirus Infection Process: Receptor-Decorated Liposomes Induce Conversion of the Virus to Membrane-Anchored Entry-Intermediate Particles. Journal of Virology, 2006, 80, 172-180.	3.4	94
10	The Structure of the Human RNase H2 Complex Defines Key Interaction Interfaces Relevant to Enzyme Function and Human Disease. Journal of Biological Chemistry, 2011, 286, 10530-10539.	3.4	94
11	Molecular cell biology of complement membrane attack. Seminars in Cell and Developmental Biology, 2017, 72, 124-132.	5.0	85
12	Cryo-electron microscopy reconstruction of a poliovirus-receptor-membrane complex. Nature Structural and Molecular Biology, 2005, 12, 615-618.	8.2	84
13	CryoEM reveals how the complement membrane attack complex ruptures lipid bilayers. Nature Communications, 2018, 9, 5316.	12.8	83
14	Single-molecule kinetics of pore assembly by the membrane attack complex. Nature Communications, 2019, 10, 2066.	12.8	74
15	Structural basis of light-induced redox regulation in the Calvinâ€“Benson cycle in cyanobacteria. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20984-20990.	7.1	71
16	Structural Basis for Recognition of the Pore-Forming Toxin Intermedilysin by Human Complement Receptor CD59. Cell Reports, 2013, 3, 1369-1377.	6.4	60
17	The Making of a Macromolecular Machine: Assembly of the Membrane Attack Complex. Biochemistry, 2014, 53, 1908-1915.	2.5	58
18	Terminal complexes of the complement system: new structural insights and their relevance to function. Immunological Reviews, 2016, 274, 141-151.	6.0	57

#	Article	IF	Citations
19	Electrostatically-guided inhibition of Curli amyloid nucleation by the CsgC-like family of chaperones. Scientific Reports, 2016, 6, 24656.	3.3	51
20	Soluble Membrane Attack Complex: Biochemistry and Immunobiology. Frontiers in Immunology, 2020, 11, 585108.	4.8	34
21	Disentangling the roles of cholesterol and CD59 in intermedilysin pore formation. Scientific Reports, 2016, 6, 38446.	3.3	20
22	Structural basis of soluble membrane attack complex packaging for clearance. Nature Communications, 2021, 12, 6086.	12.8	18
23	Advances in cryoEM and its impact on Î²-pore forming proteins. Current Opinion in Structural Biology, 2018, 52, 41-49.	5.7	17
24	Structural basis for tuning activity and membrane specificity of bacterial cytolysins. Nature Communications, 2020, 11, 5818.	12.8	13
25	Unraveling Structural Polymorphism of Amyloid Fibers. Structure, 2015, 23, 10-11.	3.3	2
26	Capturing pore-forming intermediates of MACPF and binary toxin assemblies by cryoEM. Current Opinion in Structural Biology, 2022, 75, 102401.	5.7	1
27	How Structures of Complement Complexes Guide Therapeutic Design. Sub-Cellular Biochemistry, 2021, 96, 273-295.	2.4	0