Kasper RÃ¸jkjÃ¦r Andersen

List of Publications by Year
in descending order

33 papers	1,921 citations	331670 21 h-index	414414 32 g-index
36 all docs	36 docs citations	36 times ranked	2785 citing authors

#	Article	IF	Citations
1	The Structural Basis for mRNA Recognition and Cleavage by the Ribosome-Dependent Endonuclease RelE. Cell, 2009, 139, 1084-1095.	28.9	194
2	Optimized<i>E. coli</i>expression strain LOBSTR eliminates common contaminants from Hisâ€tag purification. Proteins: Structure, Function and Bioinformatics, 2013, 81, 1857-1861.	2.6	182
3	Differential regulation of the Epr3 receptor coordinates membrane-restricted rhizobial colonization of root nodule primordia. Nature Communications, 2017, 8, 14534.	12.8	149
4	Receptor-mediated chitin perception in legume roots is functionally separable from Nod factor perception. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8118-E8127.	7.1	143
5	Phosphoribosyl Diphosphate (PRPP): Biosynthesis, Enzymology, Utilization, and Metabolic Significance. Microbiology and Molecular Biology Reviews, 2017, 81, .	6.6	131
6	A combination of chitooligosaccharide and lipochitooligosaccharide recognition promotes arbuscular mycorrhizal associations in Medicago truncatula. Nature Communications, 2019, 10, 5047.	12.8	129
7	Natively Unfolded FG Repeats Stabilize the Structure of the Nuclear Pore Complex. Cell, 2017, 171, 904-917.e19.	28.9	99
8	The Crystal Structure of the Intact E.Âcoli RelBE Toxin-Antitoxin Complex Provides the Structural Basis for Conditional Cooperativity. Structure, 2012, 20, 1641-1648.	3.3	88
9	Substrate recognition by complement convertases revealed in the C5-cobra venom factor complex. EMBO Journal, 2011, 30, 606-616.	7.8	87
10	Ligand-recognizing motifs in plant LysM receptors are major determinants of specificity. Science, 2020, 369, 663-670.	12.6	87
11	Scaffold nucleoporins Nup188 and Nup192 share structural and functional properties with nuclear transport receptors. ELife, 2013, 2, e00745.	6.0	70
12	Exponential Megapriming PCR (EMP) Cloningâ€"Seamless DNA Insertion into Any Target Plasmid without Sequence Constraints. PLoS ONE, 2012, 7, e53360.	2.5	67
13	Epidermal LysM receptor ensures robust symbiotic signalling in Lotus japonicus. ELife, 2018, 7, .	6.0	51
14	The 1.4-A crystal structure of the S. pombe Pop2p deadenylase subunit unveils the configuration of an active enzyme. Nucleic Acids Research, 2007, 35, 3153-3164.	14.5	49
15	Exonucleolysis is required for nuclear mRNA quality control in yeast THO mutants. Rna, 2008, 14, 2305-2313.	3.5	48
16	A potent complement factor C3â€“specific nanobody inhibiting multiple functions in the alternative pathway of human and murine complement. Journal of Biological Chemistry, 2018, 293, 6269-6281.	3.4	47
17	Human 2â€²-phosphodiesterase localizes to the mitochondrial matrix with a putative function in mitochondrial RNA turnover. Nucleic Acids Research, 2011, 39, 3754-3770.	14.5	39
18	Solventâ€Free Photobiocatalytic Hydroxylation of Cyclohexane. ChemCatChem, 2020, 12, 4009-4013.	3.7	39

#	Article	IF	Citations
19	A plant chitinase controls cortical infection thread progression and nitrogen-fixing symbiosis. ELife, 2018, 7, .	6.0	32
20	Structural signatures in EPR3 define a unique class of plant carbohydrate receptors. Nature Communications, 2020, 11, 3797.	12.8	31
21	A <i>Lotus japonicus</i> cytoplasmic kinase connects Nod factor perception by the NFR5 LysM receptor to nodulation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14339-14348.	7.1	28
22	Kinetic proofreading of lipochitooligosaccharides determines signal activation of symbiotic plant receptors. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	23
23	Characterization of human phosphodiesterase 12 and identification of a novel 2â€²-5â€² oligoadenylate nuclease â€" The ectonucleotide pyrophosphatase/phosphodiesterase 1. Biochimie, 2012, 94, 1098-1107.	2.6	17
24	Take the â€œAâ€•tail â€" quality control of ribosomal and transfer RNA. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2008, 1779, 532-537.	1.9	15
25	A genetic screen for plant mutants with altered nodulation phenotypes in response to rhizobial glycan mutants. New Phytologist, 2018, 220, 526-538.	7.3	14
26	Introducing site-specific cysteines into nanobodies for mercury labelling allows<i>de novo</i>phasing of their crystal structures. Acta Crystallographica Section D: Structural Biology, 2017, 73, 804-813.	2.3	12
27	A nanobody suite for yeast scaffold nucleoporins provides details of the nuclear pore complex structure. Nature Communications, 2020, 11, 6179.	12.8	12
28	Recruitment of properdin by bi-specific nanobodies activates the alternative pathway of complement. Molecular Immunology, 2020, 124, 200-210.	2.2	10
29	Introduction of an Aldehyde Handle on Nanobodies by Affinity-Guided Labeling. Bioconjugate Chemistry, 2020, 31, 1295-1300.	3.6	9
30	Natural variation identifies a <i>Pxy</i> gene controlling vascular organisation and formation of nodules and lateral roots in <i>Lotus japonicus</i>. New Phytologist, 2021, 230, 2459-2473.	7.3	7
31	Insights into Rad3 kinase recruitment from the crystal structure of the DNA damage checkpoint protein Rad26. Journal of Biological Chemistry, 2017, 292, 8149-8157.	3.4	5
32	Isolation and Characterization of Nanobodies against a Zinc-Transporting P-Type ATPase. Antibodies, 2018, 7, 39.	2.5	4
33	Introducing Cysteines into Nanobodies for Site-Specific Labeling. Methods in Molecular Biology, 2022, 2446, 327-343.	0.9	0