# Karen Skriver

List of Publications by Year
in descending order

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|---|---|---|---|
| 67<br>papers | 7,546<br>citations | 101384<br>36<br>h-index | 110170<br>64<br>g-index |
| 68<br>all docs | 68<br>docs citations | 68<br>times ranked | 8353<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Germin like protein genes exhibit modular expression during salt and drought stress in elite rice cultivars. Molecular Biology Reports, 2022, 49, 293-302. | 1.0 | 13 |
| 2 | Insight into calcium-binding motifs of intrinsically disordered proteins. Biophysical Journal, 2022, 121, 300a. | 0.2 | 0 |
| 3 | Î±Î±-hub coregulator structure and flexibility determine transcription factor binding and selection in regulatory interactomes. Journal of Biological Chemistry, 2022, 298, 101963. | 1.6 | 5 |
| 4 | Disorder in a two-domain neuronal Ca2+-binding protein regulates domain stability and dynamics using ligand mimicry. Cellular and Molecular Life Sciences, 2021, 78, 2263-2278. | 2.4 | 4 |
| 5 | Connecting the Î±Î±-hubs: same fold, disordered ligands, new functions. Cell Communication and Signaling, 2021, 19, 2. | 2.7 | 9 |
| 6 | Î±Î±-Hub domains and intrinsically disordered proteins: A decisive combo. Journal of Biological Chemistry, 2021, 296, 100226. | 1.6 | 16 |
| 7 | Insight into Calcium-Binding Motifs of Intrinsically Disordered Proteins. Biomolecules, 2021, 11, 1173. | 1.8 | 16 |
| 8 | Quantification of Conformational Entropy Unravels Effect of Disordered Flanking Region in Coupled Folding and Binding. Journal of the American Chemical Society, 2021, 143, 14540-14550. | 6.6 | 22 |
| 9 | Flanking Disorder of the Folded Î±Î±-Hub Domain from Radical Induced Cell Death1 Affects Transcription Factor Binding by Ensemble Redistribution. Journal of Molecular Biology, 2021, 433, 167320. | 2.0 | 17 |
| 10 | Investigating the effect of teaching as a generative learning strategy when learning through desktop and immersive VR: A media and methods experiment. British Journal of Educational Technology, 2020, 51, 2115-2138. | 3.9 | 59 |
| 11 | Interactions by Disorder â€" A Matter of Context. Frontiers in Molecular Biosciences, 2020, 7, 110. | 1.6 | 124 |
| 12 | Intrinsic Disorder in Plant Transcription Factor Systems: Functional Implications. International Journal of Molecular Sciences, 2020, 21, 9755. | 1.8 | 14 |
| 13 | Evolutionary conservation of the intrinsic disorder-based Radical-Induced Cell Death1 hub interactome. Scientific Reports, 2019, 9, 18927. | 1.6 | 19 |
| 14 | Structure of Radical-Induced Cell Death1 Hub Domain Reveals a Common Î±Î±-Scaffold for Disorder in Transcriptional Networks. Structure, 2018, 26, 734-746.e7. | 1.6 | 28 |
| 15 | A single class of ARF GTPase activated by several pathway-specific ARF-GEFs regulates essential membrane traffic in Arabidopsis. PLoS Genetics, 2018, 14, e1007795. | 1.5 | 28 |
| 16 | Structure of the replication regulator Sap1 reveals functionally important interfaces. Scientific Reports, 2018, 8, 10930. | 1.6 | 3 |
| 17 | Effects of Flanking Disorder on the Behaviour of Ordered Domains. Biophysical Journal, 2017, 112, 58a. | 0.2 | 0 |
| 18 | Involvement of WRKY, MYB and DOF DNA-binding proteins in interaction with a rice germin-like protein gene promoter. Acta Physiologiae Plantarum, 2017, 39, 1. | 1.0 | 10 |

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|---|---|---|---|
| 19 | Eukaryotic transcription factors: paradigms of protein intrinsic disorder. Biochemical Journal, 2017, 474, 2509-2532. | 1.7 | 108 |
| 20 | Structures and Short Linear Motif of Disordered Transcription Factor Regions Provide Clues to the Interactome of the Cellular Hub Protein Radical-induced Cell Death1. Journal of Biological Chemistry, 2017, 292, 512-527. | 1.6 | 55 |
| 21 | Barley plants over-expressing the NAC transcription factor gene<i>HvNAC005</i>show stunting and delay in development combined with early senescence. Journal of Experimental Botany, 2016, 67, 5259-5273. | 2.4 | 30 |
| 22 | NAC Transcription Factors: From Structure to Function in Stress-Associated Networks. , 2016, , 199-212. | | 13 |
| 23 | NAC Transcription Factors in Senescence: From Molecular Structure to Function in Crops. Plants, 2015, 4, 412-448. | 1.6 | 108 |
| 24 | Protein intrinsic disorder in <i>Arabidopsis</i> NAC transcription factors: transcriptional activation by ANAC013 and ANAC046 and their interactions with RCD1. Biochemical Journal, 2015, 465, 281-294. | 1.7 | 48 |
| 25 | Subgroup-specific intrinsic disorder profiles of arabidopsis NAC transcription factors: Identification of functional hotspots. Plant Signaling and Behavior, 2015, 10, e1010967. | 1.2 | 12 |
| 26 | A DNA-binding-site landscape and regulatory network analysis for NAC transcription factors in<i>Arabidopsis thaliana</i>. Nucleic Acids Research, 2014, 42, 7681-7693. | 6.5 | 84 |
| 27 | NAC transcription factor gene regulatory and proteinâ€“protein interaction networks in plant stress responses and senescence. IUBMB Life, 2014, 66, 156-166. | 1.5 | 77 |
| 28 | ATAF1 transcription factor directly regulates abscisic acid biosynthetic gene <i>NCED3</i> in <i>Arabidopsis thaliana</i>. FEBS Open Bio, 2013, 3, 321-327. | 1.0 | 182 |
| 29 | Structure, Function and Networks of Transcription Factors Involved in Abiotic Stress Responses. International Journal of Molecular Sciences, 2013, 14, 5842-5878. | 1.8 | 278 |
| 30 | Introduction of a tryptophan side chain into subsite +1 enhances transglycosylation activity of a GH-18 chitinase from Arabidopsis thaliana, AtChiC. Glycobiology, 2013, 23, 81-90. | 1.3 | 22 |
| 31 | DNA binding by the plant-specific NAC transcription factors in crystal and solution: a firm link to WRKY and GCM transcription factors. Biochemical Journal, 2012, 444, 395-404. | 1.7 | 77 |
| 32 | Order by disorder in plant signaling. Trends in Plant Science, 2012, 17, 625-632. | 4.3 | 65 |
| 33 | Senescence-associated Barley NAC (NAM, ATAF1,2, CUC) Transcription Factor Interacts with Radical-induced Cell Death 1 through a Disordered Regulatory Domain. Journal of Biological Chemistry, 2011, 286, 35418-35429. | 1.6 | 84 |
| 34 | A class V chitinase from Arabidopsis thaliana: gene responses, enzymatic properties, and crystallographic analysis. Planta, 2011, 234, 123-137. | 1.6 | 62 |
| 35 | Chitinase-catalyzed hydrolysis of 4-nitrophenyl penta-N-acetyl-Î²-chitopentaoside as determined by real-time ESIMS: The 4-nitrophenyl moiety of the substrate interacts with the enzyme binding site. Carbohydrate Research, 2011, 346, 863-866. | 1.1 | 9 |
| 36 | The <i>Arabidopsis thaliana</i> NAC transcription factor family: structureâ€“function relationships and determinants of ANAC019 stress signalling. Biochemical Journal, 2010, 426, 183-196. | 1.7 | 354 |

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|---|---|---|---|
| 37 | NAC genes. Plant Signaling and Behavior, 2010, 5, 907-910. | 1.2 | 36 |
| 38 | 26kDa endochitinase from barley seeds: Real-time monitoring of the enzymatic reaction and substrate binding experiments using electrospray ionization mass spectrometry. Journal of Biotechnology, 2009, 143, 274-283. | 1.9 | 12 |
| 39 | A flexible loop controlling the enzymatic activity and specificity in a glycosyl hydrolase family 19 endochitinase from barley seeds (Hordeum vulgare L.). Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 1159-1167. | 1.1 | 14 |
| 40 | Membrane Association of the<i>Arabidopsis</i>ARF Exchange Factor GNOM Involves Interaction of Conserved Domains. Plant Cell, 2008, 20, 142-151. | 3.1 | 41 |
| 41 | Biochemical function of typical and variant <i>Arabidopsis thaliana</i> U-box E3 ubiquitin-protein ligases. Biochemical Journal, 2008, 413, 447-457. | 1.7 | 131 |
| 42 | The Arabidopsis ADP-ribosylation factor (ARF) and ARF-like (ARL) system and its regulation by BIG2, a large ARFâ€"GEF. Plant Science, 2006, 171, 707-717. | 1.7 | 13 |
| 43 | A 3-dimensional evaluation of the macular region: comparing digitized and film-based media with a clinical evaluation. Acta Ophthalmologica, 2006, 84, 296-300. | 0.4 | 5 |
| 44 | 26 kDa Endochitinase from Barley Seeds: An Interaction of the Ionizable Side Chains Essential for Catalysis. Journal of Biochemistry, 2005, 138, 553-562. | 0.9 | 10 |
| 45 | DNA-binding specificity and molecular functions of NAC transcription factors. Plant Science, 2005, 169, 785-797. | 1.7 | 171 |
| 46 | NAC transcription factors: structurally distinct, functionally diverse. Trends in Plant Science, 2005, 10, 79-87. | 4.3 | 1,214 |
| 47 | Structure and Biochemical Function of a Prototypical Arabidopsis U-box Domain. Journal of Biological Chemistry, 2004, 279, 40053-40061. | 1.6 | 85 |
| 48 | Analysis and prediction of leucine-rich nuclear export signals. Protein Engineering, Design and Selection, 2004, 17, 527-536. | 1.0 | 721 |
| 49 | Structure of the conserved domain of ANAC, a member of the NAC family of transcription factors. EMBO Reports, 2004, 5, 297-303. | 2.0 | 388 |
| 50 | Preliminary crystallographic analysis of the NAC domain of ANAC, a member of the plant-specific NAC transcription factor family. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 112-115. | 2.5 | 28 |
| 51 | Ligand mimicry? Plant-parasitic nematode polypeptide with similarity to CLAVATA3. Trends in Plant Science, 2003, 8, 55-57. | 4.3 | 100 |
| 52 | NESbase version 1.0: a database of nuclear export signals. Nucleic Acids Research, 2003, 31, 393-396. | 6.5 | 195 |
| 53 | Interactions between plant RING-H2 and plant-specific NAC (NAM/ATAF1/2/CUC2) proteins: RING-H2 molecular specificity and cellular localization. Biochemical Journal, 2003, 371, 97-108. | 1.7 | 97 |
| 54 | Peptomics, identification of novel cationic Arabidopsis peptides with conserved sequence motifs. In Silico Biology, 2002, 2, 441-51. | 0.4 | 62 |

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|---|---|---|---|
| 55 | FYVE zinc-finger proteins in the plant model Arabidopsis thaliana: identification of PtdIns3P-binding residues by comparison of classic and variant FYVE domains. Biochemical Journal, 2001, 359, 165. | 1.7 | 34 |
| 56 | FYVE zinc-finger proteins in the plant model Arabidopsis thaliana: identification of PtdIns3P-binding residues by comparison of classic and variant FYVE domains. Biochemical Journal, 2001, 359, 165-173. | 1.7 | 48 |
| 57 | Promiscuous and specific phospholipid binding by domains in ZAC, a membrane-associated Arabidopsis protein with an ARF GAP zinc finger and a C2 domain. Plant Molecular Biology, 2000, 44, 799-814. | 2.0 | 35 |
| 58 | Widespread occurrence of a highly conserved RING-H2 zinc finger motif in the model plant Arabidopsis thaliana. FEBS Letters, 1998, 436, 283-287. | 1.3 | 38 |
| 59 | HRT, a Novel Zinc Finger, Transcriptional Repressor from Barley. Journal of Biological Chemistry, 1998, 273, 23313-23320. | 1.6 | 69 |
| 60 | Heterologous expression and characterization of wild-type and mutant forms of a 26ÂkDa endochitinase from barley (Hordeum vulgare L.). Biochemical Journal, 1997, 322, 815-822. | 1.7 | 71 |
| 61 | Novel Plant Ca2+-binding Protein Expressed in Response to Abscisic Acid and Osmotic Stress. Journal of Biological Chemistry, 1996, 271, 343-348. | 1.6 | 95 |
| 62 | Identification of an enhancer/silencer sequence directing the aleurone-specific expression of a barley chitinase gene. Plant Journal, 1994, 6, 579-589. | 2.8 | 44 |
| 63 | The barley 60 kDa jasmonate-induced protein (JIP60) is a novel ribosome-inactivating protein. Plant Journal, 1994, 6, 815-824. | 2.8 | 142 |
| 64 | Structure and expression of the barley lipid transfer protein gene Ltp1. Plant Molecular Biology, 1992, 18, 585-589. | 2.0 | 64 |
| 65 | cis-acting DNA elements responsive to gibberellin and its antagonist abscisic acid.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 7266-7270. | 3.3 | 287 |
| 66 | Gene expression in response to abscisic acid and osmotic stress.. Plant Cell, 1990, 2, 503-512. | 3.1 | 903 |
| 67 | Human C.hivin.1 inhibitor: primary structure, cDNA cloning, and chromosomal localization. Biochemistry, 1986, 25, 4292-4301. | 1.2 | 338 |