

# Csaba Koncz

## List of Publications by Year in descending order

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110  
papers

14,397  
citations

22153

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30087

103  
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docs citations

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times ranked

13541  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant Gene Modification by BAC Recombineering. <i>Methods in Molecular Biology</i> , 2022, 2479, 71-84.	0.9	0
2	The SWI/SNF ATP-Dependent Chromatin Remodeling Complex in Arabidopsis Responds to Environmental Changes in Temperature-Dependent Manner. <i>International Journal of Molecular Sciences</i> , 2020, 21, 762.	4.1	11
3	Gene modification by fast-track recombineering for cellular localization and isolation of components of plant protein complexes. <i>Plant Journal</i> , 2019, 100, 411-429.	5.7	5
4	Chromatin Evolution-Key Innovations Underpinning Morphological Complexity. <i>Frontiers in Plant Science</i> , 2019, 10, 454.	3.6	10
5	SELENOPROTEIN O is a chloroplast protein involved in ROS scavenging and its absence increases dehydration tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2018, 270, 278-291.	3.6	15
6	The metabolic sensor AKIN10 modulates the <i>Arabidopsis</i> circadian clock in a light-dependent manner. <i>Plant, Cell and Environment</i> , 2017, 40, 997-1008.	5.7	55
7	ABA Suppresses Root Hair Growth via the OBP4 Transcriptional Regulator. <i>Plant Physiology</i> , 2017, 173, 1750-1762.	4.8	67
8	The plant-specific CDKB1-CYCB1 complex mediates homologous recombination repair in <i>Arabidopsis</i> . <i>EMBO Journal</i> , 2016, 35, 2068-2086.	7.8	119
9	The Role of SWI/SNF Chromatin Remodeling Complexes in Hormone Crosstalk. <i>Trends in Plant Science</i> , 2016, 21, 594-608.	8.8	95
10	A cop1 spa Mutant Deficient in COP1 and SPA Proteins Reveals Partial Co-Action of COP1 and SPA during <i>Arabidopsis</i> Post-Embryonic Development and Photomorphogenesis. <i>Molecular Plant</i> , 2015, 8, 479-481.	8.3	38
11	SWP73 Subunits of Arabidopsis SWI/SNF Chromatin Remodeling Complexes Play Distinct Roles in Leaf and Flower Development. <i>Plant Cell</i> , 2015, 27, 1889-1906.	6.6	42
12	The low oxygen, oxidative and osmotic stress responses synergistically act through the ethylene response factor VII genes <i>RAP2.12</i> , <i>RAP2.2</i> and <i>RAP2.3</i> . <i>Plant Journal</i> , 2015, 82, 772-784.	5.7	170
13	<i>PRL1</i> modulates root stem cell niche activity and meristem size through <i>WOX5</i> and <i>PLT3</i> in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2015, 81, 399-412.	5.7	37
14	The Arabidopsis ZINC FINGER PROTEIN3 Interferes with Abscisic Acid and Light Signaling in Seed Germination and Plant Development. <i>Plant Physiology</i> , 2014, 165, 1203-1220.	4.8	89
15	The Heat Shock Factor A4A Confers Salt Tolerance and Is Regulated by Oxidative Stress and the Mitogen-Activated Protein Kinases MPK3 and MPK6. <i>Plant Physiology</i> , 2014, 165, 319-334.	4.8	186
16	The TRANSPLANTA collection of Arabidopsis lines: a resource for functional analysis of transcription factors based on their conditional overexpression. <i>Plant Journal</i> , 2014, 77, 944-953.	5.7	104
17	Emerging roles for RNA polymerase II CTD in Arabidopsis. <i>Trends in Plant Science</i> , 2013, 18, 633-643.	8.8	74
18	DELLA-Interacting SWI3C Core Subunit of Switch/Sucrose Nonfermenting Chromatin Remodeling Complex Modulates Gibberellin Responses and Hormonal Cross Talk in Arabidopsis. <i>Plant Physiology</i> , 2013, 163, 305-317.	4.8	98

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19	Centromeric Cohesion Is Protected Twice at Meiosis, by SHUGOSHINs at Anaphase I and by PATRONUS at Interkinesis. <i>Current Biology</i> , 2013, 23, 2090-2099.	3.9	67
20	Inactivation of Plasma Membrane-Localized CDPK-RELATED KINASE5 Decelerates PIN2 Exocytosis and Root Gravitropic Response in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 1592-1608.	6.6	87
21	CDKF;1 and CDKD Protein Kinases Regulate Phosphorylation of Serine Residues in the C-Terminal Domain of <i>Arabidopsis</i> RNA Polymerase II. <i>Plant Cell</i> , 2012, 24, 1626-1642.	6.6	70
22	Abiotic stress tolerance. <i>Plant Science</i> , 2012, 182, 1-2.	3.6	10
23	The Spliceosome-Activating Complex: Molecular Mechanisms Underlying the Function of a Pleiotropic Regulator. <i>Frontiers in Plant Science</i> , 2012, 3, 9.	3.6	92
24	Elevation of free proline and proline-rich protein levels by simultaneous manipulations of proline biosynthesis and degradation in plants. <i>Plant Science</i> , 2011, 181, 140-150.	3.6	67
25	Light exposure of <i>Arabidopsis</i> seedlings causes rapid destabilization as well as selective post-translational inactivation of the repressor of photomorphogenesis SPA2. <i>Plant Journal</i> , 2011, 65, 712-723.	5.7	52
26	BAC-recombineering for studying plant gene regulation: developmental control and cellular localization of SnRK1 kinase subunits. <i>Plant Journal</i> , 2011, 65, 829-842.	5.7	59
27	<i>Arabidopsis</i> SNARE protein SEC22 is essential for gametophyte development and maintenance of Golgi-stack integrity. <i>Plant Journal</i> , 2011, 66, 268-279.	5.7	48
28	The <i>Arabidopsis</i> CUL4-DDB1 complex interacts with MSI1 and is required to maintain <i>MEDEA</i> parental imprinting. <i>EMBO Journal</i> , 2011, 30, 731-743.	7.8	68
29	Transcriptional control of aspartate kinase expression during darkness and sugar depletion in <i>Arabidopsis</i> : involvement of bZIP transcription factors. <i>Planta</i> , 2011, 233, 1025-1040.	3.2	11
30	Genome-Wide Transcript Profiling of Endosperm without Paternal Contribution Identifies Parent-of-Origin-Dependent Regulation of AGAMOUS-LIKE36. <i>PLoS Genetics</i> , 2011, 7, e1001303.	3.5	65
31	Polyamine metabolic canalization in response to drought stress in <i>Arabidopsis</i> and the resurrection plant <i>Craterostigma plantagineum</i> . <i>Plant Signaling and Behavior</i> , 2011, 6, 243-250.	2.4	125
32	<i>Arabidopsis</i> ULTRAVIOLET-B-INSENSITIVE4 Maintains Cell Division Activity by Temporal Inhibition of the Anaphase-Promoting Complex/Cyclosome. <i>Plant Cell</i> , 2011, 23, 4394-4410.	6.6	89
33	Auxin-Dependent Cell Cycle Reactivation through Transcriptional Regulation of <i>Arabidopsis</i> E2Fa by Lateral Organ Boundary Proteins. <i>Plant Cell</i> , 2011, 23, 3671-3683.	6.6	171
34	Polyamines: molecules with regulatory functions in plant abiotic stress tolerance. <i>Planta</i> , 2010, 231, 1237-1249.	3.2	931
35	<i>Arabidopsis</i> S6 kinase mutants display chromosome instability and altered RBR1-E2F pathway activity. <i>EMBO Journal</i> , 2010, 29, 2979-2993.	7.8	98
36	Putrescine as a signal to modulate the indispensable ABA increase under cold stress. <i>Plant Signaling and Behavior</i> , 2009, 4, 219-220.	2.4	61

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37	PLRG1 Is an Essential Regulator of Cell Proliferation and Apoptosis during Vertebrate Development and Tissue Homeostasis. <i>Molecular and Cellular Biology</i> , 2009, 29, 3173-3185.	2.3	49
38	Genetic analysis of functional redundancy of BRM ATPase and ATSWI3C subunits of Arabidopsis SWI/SNF chromatin remodelling complexes. <i>Planta</i> , 2009, 229, 1281-1292.	3.2	42
39	NAC domain transcription factor ATAF1 interacts with SNF1-related kinases and silencing of its subfamily causes severe developmental defects in Arabidopsis. <i>Plant Science</i> , 2009, 177, 360-370.	3.6	70
40	George P. Rã@dei (1921â€“2008). <i>Cereal Research Communications</i> , 2009, 37, 143-147.	1.6	0
41	Duplicated <i>P5CS</i> genes of Arabidopsis play distinct roles in stress regulation and developmental control of proline biosynthesis. <i>Plant Journal</i> , 2008, 53, 11-28.	5.7	642
42	Putrescine Is Involved in Arabidopsis Freezing Tolerance and Cold Acclimation by Regulating Abscisic Acid Levels in Response to Low Temperature. <i>Plant Physiology</i> , 2008, 148, 1094-1105.	4.8	360
43	Functional Identification of Arabidopsis Stress Regulatory Genes Using the Controlled cDNA Overexpression System Â Â. <i>Plant Physiology</i> , 2008, 147, 528-542.	4.8	117
44	Arabidopsis PPR40 Connects Abiotic Stress Responses to Mitochondrial Electron Transport Â Â. <i>Plant Physiology</i> , 2008, 146, 1721-1737.	4.8	137
45	Arabidopsis PPP family of serine/threonine phosphatases. <i>Trends in Plant Science</i> , 2007, 12, 169-176.	8.8	201
46	PRT6/At5g02310 encodes an Arabidopsis ubiquitin ligase of the N-end rule pathway with arginine specificity and is not the CER3 locus. <i>FEBS Letters</i> , 2007, 581, 3189-3196.	2.8	94
47	Functional diversification of closely related ARF-GEFs in protein secretion and recycling. <i>Nature</i> , 2007, 448, 488-492.	27.8	215
48	Diverse phosphoregulatory mechanisms controlling cyclin-dependent kinase-activating kinases in Arabidopsis. <i>Plant Journal</i> , 2006, 47, 701-710x.	5.7	54
49	The Arabidopsis MAP kinase kinase MKK1 participates in defence responses to the bacterial elicitor flagellin. <i>Plant Journal</i> , 2006, 48, 485-498.	5.7	192
50	A positive signal from the fertilization of the egg cell sets off endosperm proliferation in angiosperm embryogenesis. <i>Nature Genetics</i> , 2006, 38, 63-67.	21.4	251
51	C-23 Hydroxylation by Arabidopsis CYP90C1 and CYP90D1 Reveals a Novel Shortcut in Brassinosteroid Biosynthesis. <i>Plant Cell</i> , 2006, 18, 3275-3288.	6.6	205
52	Changing Images of the Gene. <i>Advances in Genetics</i> , 2006, 56, 53-100.	1.8	8
53	<i>In vivo</i> studies on the roles of Tic110, Tic40 and Hsp93 during chloroplast protein import. <i>Plant Journal</i> , 2005, 41, 412-428.	5.7	189
54	SWI3 Subunits of Putative SWI/SNF Chromatin-Remodeling Complexes Play Distinct Roles during Arabidopsis Development. <i>Plant Cell</i> , 2005, 17, 2454-2472.	6.6	124

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55	A rapid and versatile combined DNA/RNA extraction protocol and its application to the analysis of a novel DNA marker set polymorphic between <i>Arabidopsis thaliana</i> ecotypes Col-0 and Landsberg erecta. <i>Plant Methods</i> , 2005, 1, 4.	4.3	67
56	Gene Trapping with Firefly Luciferase in <i>Arabidopsis</i> . Tagging of Stress-Responsive Genes. <i>Plant Physiology</i> , 2004, 134, 18-27.	4.8	57
57	Functional Specialization amongst the <i>Arabidopsis</i> Toc159 Family of Chloroplast Protein Import Receptors[W]. <i>Plant Cell</i> , 2004, 16, 2059-2077.	6.6	184
58	A protein kinase target of a PDK1 signalling pathway is involved in root hair growth in <i>Arabidopsis</i> . <i>EMBO Journal</i> , 2004, 23, 572-581.	7.8	285
59	A mutation in the Cap Binding Protein 20 gene confers drought. <i>Plant Molecular Biology</i> , 2004, 55, 679-686.	3.9	130
60	Light-dependent induction of proline biosynthesis by abscisic acid and salt stress is inhibited by brassinosteroid in <i>Arabidopsis</i> . <i>Plant Molecular Biology</i> , 2003, 51, 363-372.	3.9	251
61	EIN3-Dependent Regulation of Plant Ethylene Hormone Signaling by Two <i>Arabidopsis</i> F Box Proteins. <i>Cell</i> , 2003, 115, 679-689.	28.9	681
62	The VirD2 pilot protein of <i>Agrobacterium</i> -transferred DNA interacts with the TATA box-binding protein and a nuclear protein kinase in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 10108-10113.	7.1	91
63	Identification of T-DNA Insertions in <i>Arabidopsis</i> Genes. , 2003, , .		2
64	Brassinosteroids and Plant Steroid Hormone Signaling. <i>Plant Cell</i> , 2002, 14, S97-S110.	6.6	211
65	A Polyamine Metabolon Involving Aminopropyl Transferase Complexes in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2002, 14, 2539-2551.	6.6	159
66	Regulation of Transcript Levels of the <i>Arabidopsis</i> Cytochrome P450 Genes Involved in Brassinosteroid Biosynthesis. <i>Plant Physiology</i> , 2002, 130, 504-513.	4.8	190
67	Rapid identification of <i>Arabidopsis</i> insertion mutants by non-radioactive detection of T-DNA tagged genes. <i>Plant Journal</i> , 2002, 32, 243-253.	5.7	82
68	Distribution of 1000 sequenced T-DNA tags in the <i>Arabidopsis</i> genome. <i>Plant Journal</i> , 2002, 32, 233-242.	5.7	143
69	Knock-out of <i>Arabidopsis</i> metal transporter gene IRT1 results in iron deficiency accompanied by cell differentiation defects. <i>Plant Molecular Biology</i> , 2002, 50, 587-597.	3.9	229
70	Domain fusion between SNF1-related kinase subunits during plant evolution. <i>EMBO Reports</i> , 2001, 2, 55-60.	4.5	80
71	Double scattered electrons in ion-atom collisions: an impulse approximation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2001, 34, 3879-3887.	1.5	3
72	The -plasmid and <i>Plant Molecular Biology</i> . , 2000, , 393-409.		1

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73	Intron-tagged epitope: a tool for facile detection and purification of proteins expressed in Agrobacterium-transformed plant cells. <i>Plant Journal</i> , 2000, 22, 553-560.	5.7	75
74	Functional identification of an Arabidopsis Snf4 ortholog by screening for heterologous multicopy suppressors of snf4 deficiency in yeast. <i>Plant Journal</i> , 2000, 23, 115-122.	5.7	78
75	A Conserved Domain of the Arabidopsis GNOM Protein Mediates Subunit Interaction and Cyclophilin 5 Binding. <i>Plant Cell</i> , 2000, 12, 343.	6.6	8
76	Isolation and characterization of two different cDNAs of delta1-pyrroline-5-carboxylate synthase in alfalfa, transcriptionally induced upon salt stress. <i>Plant Molecular Biology</i> , 1998, 38, 755-764.	3.9	65
77	Biochemical and genetic analysis of brassinosteroid metabolism and function in Arabidopsis. <i>Plant Physiology and Biochemistry</i> , 1998, 36, 145-155.	5.8	32
78	Gene identification with sequenced T-DNA tags generated by transformation of Arabidopsis cell suspension. <i>Plant Journal</i> , 1998, 13, 707-716.	5.7	122
79	Transcription of the Arabidopsis CPD gene, encoding a steroidogenic cytochrome P450, is negatively controlled by brassinosteroids. <i>Plant Journal</i> , 1998, 14, 593-602.	5.7	221
80	T-DNA trapping of a cryptic promoter identifies an ortholog of highly conserved SNZ growth arrest response genes in Arabidopsis. <i>Plant Science</i> , 1998, 138, 217-228.	3.6	20
81	Crosstalk between brassinosteroids and pathogenic signalling?. <i>Trends in Plant Science</i> , 1998, 3, 1-2.	8.8	18
82	Control of cell elongation and stress responses by steroid hormones and carbon catabolic repression in plants. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1998, 353, 1517-1520.	4.0	41
83	Method for Preparation of Epidermal Imprints Using Agarose. <i>BioTechniques</i> , 1997, 22, 280-282.	1.8	26
84	Differential expression of two P5CS genes controlling proline accumulation during salt stress requires ABA and is regulated by ABA1, ABI1 and AXR2 in Arabidopsis. <i>Plant Journal</i> , 1997, 12, 557-569.	5.7	364
85	Digestion of Î-endotoxin by gut proteases may explain reduced sensitivity of advanced instar larvae of <i>Spodoptera littoralis</i> to CryIc. <i>Insect Biochemistry and Molecular Biology</i> , 1996, 26, 365-373.	2.7	132
86	Brassinosteroids Rescue the Deficiency of CYP90, a Cytochrome P450, Controlling Cell Elongation and De-etiolation in Arabidopsis. <i>Cell</i> , 1996, 85, 171-182.	28.9	963
87	Genetic evidence for an essential role of brassinosteroids in plant development. <i>Plant Journal</i> , 1996, 9, 701-713.	5.7	338
88	A simple method for isolation, liquid culture, transformation and regeneration of Arabidopsis thaliana protoplasts. <i>Plant Cell Reports</i> , 1995, 14, 221-6.	5.6	33
89	Agrobacterium-mediated transformation of the desiccation-tolerant plant <i>Craterostigma plantagineum</i> . <i>Plant Cell Reports</i> , 1994, 14-14, 102-6.	5.6	23
90	Specialized vectors for gene tagging and expression studies. , 1994, , 53-74.		52

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91	Homology Recognition During T-DNA Integration into the Plant Genome. , 1994, , 167-189.		28
92	Alteration of plant growth and development by Rhizobium nodA and nodB genes involved in the synthesis of oligosaccharide signal molecules. Plant Journal, 1993, 4, 651-658.	5.7	75
93	Genes involved in the control of growth and differentiation in plants. Gene, 1993, 135, 245-249.	2.2	8
94	T-DNA insertional mutagenesis in Arabidopsis. Plant Molecular Biology, 1992, 20, 963-976.	3.9	166
95	T-DNA transformation and insertion mutagenesis. , 1992, , 224-273.		25
96	Purification of tobacco nuclear proteins binding to a CACGTG motif of the chalcone synthase promoter by DNA affinity chromatography. FEBS Journal, 1991, 199, 519-527.	0.2	22
97	Homologous domains of the largest subunit of eucaryotic RNA polymerase II are conserved in plants. Molecular Genetics and Genomics, 1990, 223, 65-75.	2.4	54
98	Novel monomeric luciferase enzymes as tools to study plant gene regulation in vivo. Luminescence, 1990, 5, 79-87.	0.0	12
99	Bacterial and firefly luciferase genes in transgenic plants: Advantages and disadvantages of a reporter gene. Genesis, 1990, 11, 224-232.	2.1	41
100	Conserved function in Nicotiana tabacum of a single Drosophila hsp70 promoter heat shock element when fused to a minimal T-DNA promoter. Molecular Genetics and Genomics, 1989, 219, 9-16.	2.4	31
101	Engineering of monomeric bacterial luciferases by fusion of luxA and luxB genes in Vibrio harveyi. Gene, 1989, 81, 335-347.	2.2	52
102	The use of the luxA gene of the bacterial luciferase operon as a reporter gene. Molecular Genetics and Genomics, 1988, 215, 1-9.	2.4	71
103	Transgenic Arabidopsis. Stadler Genetics Symposia Series, 1988, , 175-200.	0.0	5
104	Transposon Tn5 mediated gene transfer into plants. Molecular Genetics and Genomics, 1987, 207, 99-105.	2.4	7
105	Genetic Tools for the Analysis of Gene Expression in Plants. , 1987, , 197-209.		4
106	Transformation of Medicago by Agrobacterium mediated gene transfer. Plant Cell Reports, 1986, 5, 97-100.	5.6	139
107	The promoter of TL-DNA gene 5 controls the tissue-specific expression of chimaeric genes carried by a novel type of Agrobacterium binary vector. Molecular Genetics and Genomics, 1986, 204, 383-396.	2.4	1,656
108	Cloning of mtDNA fragments homologous to mitochondrial S2 plasmid-like DNA in maize. Molecular Genetics and Genomics, 1981, 183, 449-458.	2.4	16

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109	Intergeneric gene transfer mediated by plant protoplast fusion. <i>Molecular Genetics and Genomics</i> , 1980, 179, 283-288.	2.4	135
110	Biochemical Characterization of the Restriction-Modification System of <i>Bacillus sphaericus</i> . <i>FEBS Journal</i> , 1978, 89, 523-529.	0.2	55