David J Eide

List of Publications by Year
in descending order

49 papers	5,829 citations	109321 35 h-index	206112 48 g-index
49 all docs	49 docs citations	49 times ranked	4569 citing authors

#	Article	IF	Citations
1	Zinc transporters and the cellular trafficking of zinc. Biochimica Et Biophysica Acta - Molecular Cell Research, 2006, 1763, 711-722.	4.1	741
2	The IRT1 protein from Arabidopsis thaliana is a metal transporter with a broad substrate range. Plant Molecular Biology, 1999, 40, 37-44.	3.9	699
3	Eukaryotic zinc transporters and their regulation. BioMetals, 2001, 14, 251-270.	4.1	459
4	The Gene Encodes the Low Affinity Zinc Transporter in. Journal of Biological Chemistry, 1996, 271, 23203-23210.	3.4	357
5	Functional Expression of the Human hZIP2 Zinc Transporter. Journal of Biological Chemistry, 2000, 275, 5560-5564.	3.4	295
6	Zinc-induced Inactivation of the Yeast ZRT1 Zinc Transporter Occurs through Endocytosis and Vacuolar Degradation. Journal of Biological Chemistry, 1998, 273, 28617-28624.	3.4	178
7	Biochemical Properties of Vacuolar Zinc Transport Systems ofSaccharomyces cerevisiae. Journal of Biological Chemistry, 2002, 277, 39187-39194.	3.4	172
8	Zinc and the Msc2 zinc transporter protein are required for endoplasmic reticulum function. Journal of Cell Biology, 2004, 166, 325-335.	5.2	172
9	Zinc-regulated ubiquitin conjugation signals endocytosis of the yeast ZRT1 zinc transporter. Biochemical Journal, 2000, 346, 329-336.	3.7	168
10	Regulation of Zinc Homeostasis in Yeast by Binding of the ZAP1 Transcriptional Activator to Zinc-responsive Promoter Elements. Journal of Biological Chemistry, 1998, 273, 28713-28720.	3.4	167
11	Induction of the ZRC1 Metal Tolerance Gene in Zinc-limited Yeast Confers Resistance to Zinc Shock. Journal of Biological Chemistry, 2003, 278, 15065-15072.	3.4	158
12	A Histidine-rich Cluster Mediates the Ubiquitination and Degradation of the Human Zinc Transporter, hZIP4, and Protects against Zinc Cytotoxicity. Journal of Biological Chemistry, 2007, 282, 6992-7000.	3.4	158
13	Acrodermatitis enteropathica mutations affect transport activity, localization and zinc-responsive trafficking of the mouse ZIP4 zinc transporter. Human Molecular Genetics, 2004, 13, 563-571.	2.9	136
14	Zn2+-stimulated Endocytosis of the mZIP4 Zinc Transporter Regulates Its Location at the Plasma Membrane. Journal of Biological Chemistry, 2004, 279, 4523-4530.	3.4	131
15	Homeostatic and Adaptive Responses to Zinc Deficiency in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2009, 284, 18565-18569.	3.4	130
16	Combinatorial Control of Yeast FET4 Gene Expression by Iron, Zinc, and Oxygen. Journal of Biological Chemistry, 2002, 277, 33749-33757.	3.4	112
17	Zinc fingers can act as Zn2+ sensors to regulate transcriptional activation domain function. EMBO Journal, 2003, 22, 5137-5146.	7.8	108
18	Heteromeric Protein Complexes Mediate Zinc Transport into the Secretory Pathway of Eukaryotic Cells. Journal of Biological Chemistry, 2005, 280, 28811-28818.	3.4	102

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19	Saccharomyces cerevisiae Vacuole in Zinc Storage and Intracellular Zinc Distribution. Eukaryotic Cell, 2007, 6, 1166-1177.	3.4	101
20	Repression of ADH1 and ADH3 during zinc deficiency by Zap1-induced intergenic RNA transcripts. EMBO Journal, 2006, 25, 5726-5734.	7.8	100
21	Promotion of vesicular zinc efflux by ZIP13 and its implications for spondylocheiro dysplastic Ehlersâ€“Danlos syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E3530-8.	7.1	98
22	Zinc binding to a regulatory zinc-sensing domain monitored in vivo by using FRET. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8674-8679.	7.1	89
23	A Cytosolic Domain of the Yeast Zrt1 Zinc Transporter Is Required for Its Post-translational Inactivation in Response to Zinc and Cadmium. Journal of Biological Chemistry, 2003, 278, 39558-39564.	3.4	82
24	Differential control of Zap1-regulated genes in response to zinc deficiency in Saccharomyces cerevisiae. BMC Genomics, 2008, 9, 370.	2.8	78
25	A dual role for zinc fingers in both DNA binding and zinc sensing by the Zap1 transcriptional activator. EMBO Journal, 2000, 19, 3704-3713.	7.8	75
26	The Zap1 transcriptional activator also acts as a repressor by binding downstream of the TATA box in ZRT2. EMBO Journal, 2004, 23, 1123-1132.	7.8	74
27	Regulation of the Yeast TSA1 Peroxiredoxin by ZAP1 Is an Adaptive Response to the Oxidative Stress of Zinc Deficiency. Journal of Biological Chemistry, 2007, 282, 2184-2195.	3.4	67
28	The cellular economy of the <i>Saccharomyces cerevisiae</i> zinc proteome. Metallomics, 2018, 10, 1755-1776.	2.4	66
29	Genome-Wide Functional Profiling Identifies Genes and Processes Important for Zinc-Limited Growth of Saccharomyces cerevisiae. PLoS Genetics, 2012, 8, e1002699.	3.5	57
30	Peroxiredoxin Chaperone Activity Is Critical for Protein Homeostasis in Zinc-deficient Yeast*. Journal of Biological Chemistry, 2013, 288, 31313-31327.	3.4	54
31	Mapping the DNA Binding Domain of the Zap1 Zinc-responsive Transcriptional Activator. Journal of Biological Chemistry, 2000, 275, 16160-16166.	3.4	50
32	Repression of Sulfate Assimilation Is an Adaptive Response of Yeast to the Oxidative Stress of Zinc Deficiency. Journal of Biological Chemistry, 2009, 284, 27544-27556.	3.4	46
33	Zap1 activation domain 1 and its role in controlling gene expression in response to cellular zinc status. Molecular Microbiology, 2005, 57, 834-846.	2.5	41
34	Cytosolic Superoxide Dismutase (SOD1) Is Critical for Tolerating the Oxidative Stress of Zinc Deficiency in Yeast. PLoS ONE, 2009, 4, e7061.	2.5	41
35	Zinc-Regulated DNA Binding of the Yeast Zap1 Zinc-Responsive Activator. PLoS ONE, 2011, 6, e22535.	2.5	39
36	Zinc status and vacuolar zinc transporters control alkaline phosphatase accumulation and activity in <i>Saccharomyces cerevisiae</i>. Molecular Microbiology, 2009, 72, 320-334.	2.5	34

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37	Transcription factors and transporters in zinc homeostasis: lessons learned from fungi. Critical Reviews in Biochemistry and Molecular Biology, 2020, 55, 88-110.	5.2	30
38	Transcriptional regulation of the Zrg17 zinc transporter of the yeast secretory pathway. Biochemical Journal, 2011, 435, 259-266.	3.7	26
39	Roles of Two Activation Domains in Zap1 in the Response to Zinc Deficiency in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2011, 286, 6844-6854.	3.4	23
40	The Zip Family of Zinc Transporters. , 2005, , 261-264.		21
41	Activation of the Yeast UBI4 Polyubiquitin Gene by Zap1 Transcription Factor via an Intragenic Promoter Is Critical for Zinc-deficient Growth. Journal of Biological Chemistry, 2016, 291, 18880-18896.	3.4	19
42	Zinc Metalloregulation of the Zinc Finger Pair Domain. Journal of Biological Chemistry, 2006, 281, 25326-25335.	3.4	17
43	An MSC2 Promoter-lacZ Fusion Gene Reveals Zinc-Responsive Changes in Sites of Transcription Initiation That Occur across the Yeast Genome. PLoS ONE, 2016, 11, e0163256.	2.5	14
44	Zincâ€responsive coactivator recruitment by the yeast Zap1 transcription factor. MicrobiologyOpen, 2012, 1, 105-114.	3.0	13
45	Zinc uptake in the Basidiomycota: Characterization of zinc transporters in Ustilago maydis. Molecular Membrane Biology, 2019, 35, 39-50.	2.0	10
46	Zap1â€dependent transcription from an alternative upstream promoter controls translation of <i>RTC4</i> mRNA in zincâ€deficient <i>Saccharomyces cerevisiae</i>. Molecular Microbiology, 2017, 106, 678-689.	2.5	8
47	An Autophagy-Independent Role for <i>ATG41</i> in Sulfur Metabolism During Zinc Deficiency. Genetics, 2018, 208, 1115-1130.	2.9	6
48	The GIS2 Gene Is Repressed by a Zinc-Regulated Bicistronic RNA in Saccharomyces cerevisiae. Genes, 2018, 9, 462.	2.4	4
49	Changes in transcription start sites of Zap1â€regulated genes during zinc deficiency: Implications forHNT1gene regulation. Molecular Microbiology, 2020, 113, 285-296.	2.5	3