Alan A Dombkowski

List of Publications by Year
in descending order

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61 papers	2,500 citations	236925 25 h-index	206112 48 g-index
63 all docs	63 docs citations	63 times ranked	4673 citing authors

#	Article	IF	Citations
1	Disulfide by Design 2.0: a web-based tool for disulfide engineering in proteins. BMC Bioinformatics, 2013, 14, 346.	2.6	359
2	Protein disulfide engineering. FEBS Letters, 2014, 588, 206-212.	2.8	201
3	Transcriptional Profiling of Human Liver Identifies Sex-Biased Genes Associated with Polygenic Dyslipidemia and Coronary Artery Disease. PLoS ONE, 2011, 6, e23506.	2.5	143
4	Disulfide by DesignTM: a computational method for the rational design of disulfide bonds in proteins. Bioinformatics, 2003, 19, 1852-1853.	4.1	127
5	Differential gene expression, GATA1 target genes, and the chemotherapy sensitivity of Down syndrome megakaryocytic leukemia. Blood, 2006, 107, 1570-1581.	1.4	99
6	Genomic amplification and a role in drug-resistance for the KDM5A histone demethylase in breast cancer. American Journal of Translational Research (discontinued), 2012, 4, 247-56.	0.0	91
7	Intrinsic Sex Differences in the Early Growth Hormone Responsiveness of Sex-Specific Genes in Mouse Liver. Molecular Endocrinology, 2010, 24, 667-678.	3.7	89
8	Global Gene Expression Profiling Unveils S100A8/A9 as Candidate Markers in H-Ras-Mediated Human Breast Epithelial Cell Invasion. Molecular Cancer Research, 2008, 6, 1544-1553.	3.4	87
9	Liver-Specific Hepatocyte Nuclear Factor-4Î± Deficiency: Greater Impact on Gene Expression in Male than in Female Mouse Liver. Molecular Endocrinology, 2008, 22, 1274-1286.	3.7	87
10	RUNX1 regulates phosphoinositide 3-kinase/AKT pathway: role in chemotherapy sensitivity in acute megakaryocytic leukemia. Blood, 2009, 114, 2744-2752.	1.4	81
11	Identification and functional analysis of 9p24 amplified genes in human breast cancer. Oncogene, 2012, 31, 333-341.	5.9	77
12	Intestinal Epithelial Cells In Vitro. Stem Cells and Development, 2010, 19, 131-142.	2.1	73
13	Cross-species Comparisons of Transcriptomic Alterations in Human and Rat Primary Hepatocytes Exposed to 2,3,7,8-Tetrachlorodibenzo-p-dioxin. Toxicological Sciences, 2012, 127, 199-215.	3.1	66
14	The initiative role of XPC protein in cisplatin DNA damaging treatment-mediated cell cycle regulation. Nucleic Acids Research, 2004, 32, 2231-2240.	14.5	53
15	Guidelines for incorporating non-perfectly matched oligonucleotides into target-specific hybridization probes for a DNA microarray. Nucleic Acids Research, 2004, 32, 681-690.	14.5	51
16	Carcinogen-Altered Genes in Rat Esophagus Positively Modulated to Normal Levels of Expression by Both Black Raspberries and Phenylethyl Isothiocyanate. Cancer Research, 2008, 68, 6460-6467.	0.9	48
17	The role of the proto-oncogene ETS2 in acute megakaryocytic leukemia biology and therapy. Leukemia, 2008, 22, 521-529.	7.2	46
18	Effects of a Black Raspberry Diet on Gene Expression in the Rat Esophagus. Nutrition and Cancer, 2008, 60, 61-69.	2.0	45

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19	Gene-specific dye bias in microarray reference designs. FEBS Letters, 2004, 560, 120-124.	2.8	43
20	Amplification of WHSC1L1 regulates expression and estrogenâ€independent activation of ERÎ± in SUMâ€44 breast cancer cells and is associated with ERÎ± overâ€expression in breast cancer. Molecular Oncology, 2016, 10, 850-865.	4.6	41
21	Maspin Reprograms the Gene Expression Profile of Prostate Carcinoma Cells for Differentiation. Genes and Cancer, 2011, 2, 1009-1022.	1.9	38
22	Insights into Insulin-Mediated Regulation of CYP2E1: miR-132/-212 Targeting of CYP2E1 and Role of Phosphatidylinositol 3-Kinase, Akt (Protein Kinase B), Mammalian Target of Rapamycin Signaling in Regulating miR-132/-212 and miR-122/-181a Expression in Primary Cultured Rat Hepatocytes. Drug Metabolism and Disposition, 2013, 41, 1769-1777.	3.3	32
23	Cortical Tubers: Windows into Dysregulation of Epilepsy Risk and Synaptic Signaling Genes by MicroRNAs. Cerebral Cortex, 2016, 26, 1059-1071.	2.9	32
24	The involvement of XPC protein in the cisplatin DNA damaging treatment-mediated cellular response. Cell Research, 2004, 14, 303-314.	12.0	31
25	AP-2Î² Is a Downstream Effector of PITX2 Required to Specify Endothelium and Establish Angiogenic Privilege During Corneal Development. , 2016, 57, 1072.		28
26	Disulfide recognition in an optimized threading potential. Protein Engineering, Design and Selection, 2000, 13, 679-689.	2.1	27
27	Mechanistic basis for the chemopreventive effects of black raspberries at a late stage of rat esophageal carcinogenesis. Molecular Carcinogenesis, 2011, 50, 291-300.	2.7	27
28	A study of circulating microRNAs identifies a new potential biomarker panel to distinguish aggressive prostate cancer. Carcinogenesis, 2018, 39, 556-561.	2.8	24
29	Microarray analysis of differentially regulated genes in human neuronal and epithelial cell lines upon exposure to type A botulinum neurotoxin. Biochemical and Biophysical Research Communications, 2011, 405, 684-690.	2.1	23
30	Augmented annotation and orthologue analysis for Oryctolagus cuniculus: Better Bunny. BMC Bioinformatics, 2012, 13, 84.	2.6	23
31	Construction and characterization of a t-PA mutant for use in ATTEMPTS: A drug delivery system for achieving targeted thrombolysis. Journal of Controlled Release, 2005, 110, 164-176.	9.9	20
32	A distinct microRNA expression profile is associated with Î±[11C]-methyl-L-tryptophan (AMT) PET uptake in epileptogenic cortical tubers resected from patients with tuberous sclerosis complex. Neurobiology of Disease, 2018, 109, 76-87.	4.4	19
33	Black raspberries demethylate Sfrp4, a WNT pathway antagonist, in rat esophageal squamous cell papilloma. Molecular Carcinogenesis, 2016, 55, 1867-1875.	2.7	18
34	Overexpression of GATA1 Confers Resistance to Chemotherapy in Acute Megakaryocytic Leukemia. PLoS ONE, 2013, 8, e68601.	2.5	17
35	In silico Analysis of Combinatorial microRNA Activity Reveals Target Genes and Pathways Associated with Breast Cancer Metastasis. Cancer Informatics, 2011, 10, CIN.S6631.	1.9	16
36	A systems toxicology approach identifies Lyn as a key signaling phosphoprotein modulated by mercury in a B lymphocyte cell model. Toxicology and Applied Pharmacology, 2014, 276, 47-54.	2.8	16

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37	Folate Deficiency Provides Protection against Colon Carcinogenesis in DNA Polymerase Î² Haploinsufficient Mice. Journal of Biological Chemistry, 2010, 285, 19246-19258.	3.4	15
38	Using Disulfide Bond Engineering To Study Conformational Changes in the Î²â€²260-309 Coiled-Coil Region of Escherichia coli RNA Polymerase during Ïƒ 70 Binding. Journal of Bacteriology, 2002, 184, 2634-2641.	2.2	14
39	Effects of Phenylethyl Isothiocyanate on Early Molecular Events in N-Nitrosomethylbenzylamineâ€“Induced Cytotoxicity in Rat Esophagus. Cancer Research, 2007, 67, 6484-6492.	0.9	13
40	Secretome analysis of microarray data reveals extracellular events associated with proliferative potential in a cell line model of breast disease. Cancer Letters, 2006, 241, 49-58.	7.2	12
41	A Genomics-Based Analysis of Relative Potencies of Dioxin-Like Compounds in Primary Rat Hepatocytes. Toxicological Sciences, 2013, 136, 595-604.	3.1	12
42	TLR7 activation in epilepsy of tuberous sclerosis complex. Inflammation Research, 2019, 68, 993-998.	4.0	12
43	Exosomes in Epilepsy of Tuberous Sclerosis Complex: Carriers of Pro-Inflammatory MicroRNAs. Non-coding RNA, 2021, 7, 40.	2.6	12
44	Transcriptional profiles induced by the Aryl Hydrocarbon Receptor agonists 2,3,7,8-tetrachlorodibenzo-p-dioxin, 2,3,7,8-tetrachlorodibenzofuran and 2,3,4,7,8-pentachlorodibenzofuran in primary rat hepatocytes. Chemosphere, 2011, 85, 232-238.	8.2	11
45	A Unique Role of GATA1s in Down Syndrome Acute Megakaryocytic Leukemia Biology and Therapy. PLoS ONE, 2011, 6, e27486.	2.5	11
46	Transcriptional profiling of the age-related response to genotoxic stress points to differential DNA damage response with age. Mechanisms of Ageing and Development, 2009, 130, 637-647.	4.6	9
47	Mercury Alters B-Cell Protein Phosphorylation Profiles. Journal of Proteome Research, 2014, 13, 496-505.	3.7	9
48	Yeast IME2 Functions Early in Meiosis Upstream of Cell Cycle-Regulated SBF and MBF Targets. PLoS ONE, 2012, 7, e31575.	2.5	9
49	Aging alters folate homeostasis and DNA damage response in colon. Mechanisms of Ageing and Development, 2012, 133, 75-82.	4.6	8
50	Differential Regulation of Gene Expression by Cholesterol Biosynthesis Inhibitors That Reduce (Pravastatin) or Enhance (Squalestatin 1) Nonsterol Isoprenoid Levels in Primary Cultured Mouse and Rat Hepatocytes. Journal of Pharmacology and Experimental Therapeutics, 2016, 358, 216-229.	2.5	8
51	Gene Signature of High White Blood Cell Count in B-Precursor Acute Lymphoblastic Leukemia. PLoS ONE, 2016, 11, e0161539.	2.5	8
52	The extrema of circulating miR-17 are identified as biomarkers for aggressive prostate cancer. American Journal of Cancer Research, 2018, 8, 2088-2095.	1.4	7
53	Upregulation of UGT2B4 Expression by 3â€²-Phosphoadenosine-5â€²-Phosphosulfate Synthase Knockdown: Implications for Coordinated Control of Bile Acid Conjugation. Drug Metabolism and Disposition, 2015, 43, 1061-1070.	3.3	6
54	A nutrigenetic approach for investigating the chemopreventive effects of black raspberries during the development of preneoplastic esophagi in rats. Journal of Berry Research, 2018, 8, 263-274.	1.4	6

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55	Exposure of Larval Zebrafish to the Insecticide Propoxur Induced Developmental Delays that Correlate with Behavioral Abnormalities and Altered Expression of hspb9 and hspb11. Toxics, 2019, 7, 50.	3.7	6
56	Monozygotic twins with neuroblastoma MS have a similar molecular profile: a case of twin-to-twin metastasis. British Journal of Cancer, 2019, 121, 890-893.	6.4	4
57	A New Case of KLF1 G973A Mutation and Congenital Dyserythropoeitic Anemia (CDA)- Further Definition of Emerging New Syndrome and Possible Association with Gonadal Dysgenesis. Blood, 2011, 118, 2101-2101.	1.4	4
58	Neuroinflammatory Nexus of Pediatric Epilepsy. Journal of Pediatric Epilepsy, 2018, 07, 032-039.	0.2	3
59	Levels of plasma glycan-binding auto-IgG biomarkers improve the accuracy of prostate cancer diagnosis. Molecular and Cellular Biochemistry, 2021, 476, 13-22.	3.1	2
60	Global Signaling Profiling in a Human Model of Tumorigenic Progression Indicates a Role for Alternative RNA Splicing in Cellular Reprogramming. International Journal of Molecular Sciences, 2018, 19, 2847.	4.1	1
61	Overexpression of GATA1 Confers Chemotherapy Resistance in Pediatric Acute Megakaryocytic Leukemia.. Blood, 2009, 114, 2039-2039.	1.4	0