Renty B Franklin

List of Publications by Citations

83 papers	4,152 citations	35 h-index	63 g-index
85 ext. papers	4,526 ext. citations	8 avg, IF	5.55 L-index

#	Paper	IF	Citations
83	The clinical relevance of the metabolism of prostate cancer; zinc and tumor suppression: connecting the dots. *Molecular Cancer*, **2006**, 5, 17	42.1	271
82	Inhibitory effect of zinc on human prostatic carcinoma cell growth. *Prostate*, **1999**, 40, 200-7	4.2	193
81	Zinc inhibition of mitochondrial aconitase and its importance in citrate metabolism of prostate epithelial cells. *Journal of Biological Chemistry*, **1997**, 272, 28875-81	5.4	184
80	hZIP1 zinc uptake transporter down regulation and zinc depletion in prostate cancer. *Molecular Cancer*, **2005**, 4, 32	42.1	178
79	Zinc as an anti-tumor agent in prostate cancer and in other cancers. *Archives of Biochemistry and Biophysics*, **2007**, 463, 211-7	4.1	174
78	Evidence for a zinc uptake transporter in human prostate cancer cells which is regulated by prolactin and testosterone. *Journal of Biological Chemistry*, **1999**, 274, 17499-504	5.4	166
77	The important role of the apoptotic effects of zinc in the development of cancers. *Journal of Cellular Biochemistry*, **2009**, 106, 750-7	4.7	154
76	Concepts of citrate production and secretion by prostate. 1. Metabolic relationships. *Prostate*, **1991**, 18, 25-46	4.2	147
75	℞Why do tumour cells glycolyse?℞ from glycolysis through citrate to lipogenesis. *Molecular and Cellular Biochemistry*, **2005**, 280, 1-8	4.2	127
74	Direct effect of zinc on mitochondrial apoptogenesis in prostate cells. *Prostate*, **2002**, 52, 311-8	4.2	126
73	A comprehensive review of the role of zinc in normal prostate function and metabolism; and its implications in prostate cancer. *Archives of Biochemistry and Biophysics*, **2016**, 611, 100-112	4.1	115
72	Mitochondrial aconitase and citrate metabolism in malignant and nonmalignant human prostate tissues. *Molecular Cancer*, **2006**, 5, 14	42.1	109
71	Zinc and prostate cancer: a critical scientific, medical, and public interest issue (United States). *Cancer Causes and Control*, **2005**, 16, 901-15	2.8	106
70	Effect of prolactin on the prostate. *Prostate*, **1994**, 24, 162-6	4.2	100
69	Metallothionein transfers zinc to mitochondrial aconitase through a direct interaction in mouse hearts. *Biochemical and Biophysical Research Communications*, **2005**, 332, 853-8	3.4	94
68	Citrate metabolism of normal and malignant prostate epithelial cells. *Urology*, **1997**, 50, 3-12	1.6	91
67	hZip2 and hZip3 zinc transporters are down regulated in human prostate adenocarcinomatous glands. *Molecular Cancer*, **2007**, 6, 37	42.1	91

66	Concepts of citrate production and secretion by prostate: 2. Hormonal relationships in normal and neoplastic prostate. *Prostate*, **1991**, 19, 181-205	4.2	86
65	Zinc and zinc transporters in normal prostate and the pathogenesis of prostate cancer. *Frontiers in Bioscience - Landmark*, **2005**, 10, 2230-9	2.8	85
64	Zinc is decreased in prostate cancer: an established relationship of prostate cancer!. *Journal of Biological Inorganic Chemistry*, **2011**, 16, 3-8	3.7	80
63	Evidence for operation of the direct zinc ligand exchange mechanism for trafficking, transport, and reactivity of zinc in mammalian cells. *Journal of Inorganic Biochemistry*, **2011**, 105, 589-99	4.2	75
62	The involvement of Bax in zinc-induced mitochondrial apoptogenesis in malignant prostate cells. *Molecular Cancer*, **2008**, 7, 25	42.1	71
61	Overexpression of the ZIP1 zinc transporter induces an osteogenic phenotype in mesenchymal stem cells. *Bone*, **2006**, 38, 181-98	4.7	64
60	The Important Role of Osteoblasts and Citrate Production in Bone Formation: "Osteoblast Citration" as a New Concept for an Old Relationship. *The Open Bone Journal*, **2012**, 4,		58
59	Effect of zinc on prostatic tumorigenicity in nude mice. *Annals of the New York Academy of Sciences*, **2003**, 1010, 316-20	6.5	53
58	Cytotoxic/tumor suppressor role of zinc for the treatment of cancer: an enigma and an opportunity. *Expert Review of Anticancer Therapy*, **2012**, 12, 121-8	3.5	49
57	Metallothionein can function as a chaperone for zinc uptake transport into prostate and liver mitochondria. *Journal of Inorganic Biochemistry*, **2004**, 98, 664-6	4.2	49
56	Decreased zinc and downregulation of ZIP3 zinc uptake transporter in the development of pancreatic adenocarcinoma. *Cancer Biology and Therapy*, **2011**, 12, 297-303	4.6	47
55	Zinc causes a shift toward citrate at equilibrium of the m-aconitase reaction of prostate mitochondria. *Journal of Inorganic Biochemistry*, **2000**, 78, 161-5	4.2	47
54	ZIP14 zinc transporter downregulation and zinc depletion in the development and progression of hepatocellular cancer. *Journal of Gastrointestinal Cancer*, **2012**, 43, 249-57	1.6	46
53	Differential expression of metallothioneins (MTs) 1, 2, and 3 in response to zinc treatment in human prostate normal and malignant cells and tissues. *Molecular Cancer*, **2008**, 7, 7	42.1	43
52	Human prostate cancer ZIP1/zinc/citrate genetic/metabolic relationship in the TRAMP prostate cancer animal model. *Cancer Biology and Therapy*, **2011**, 12, 1078-84	4.6	42
51	EAAC1 is expressed in rat and human prostate epithelial cells; functions as a high-affinity L-aspartate transporter; and is regulated by prolactin and testosterone. *BMC Biochemistry*, **2006**, 7, 10	4.8	41
50	Histidine residues in the region between transmembrane domains III and IV of hZip1 are required for zinc transport across the plasma membrane in PC-3 cells. *Biochimica Et Biophysica Acta - Biomembranes*, **2006**, 1758, 1696-701	3.8	37
49	Terminal oxidation and the effects of zinc in prostate versus liver mitochondria. *Mitochondrion*, **2004**, 4, 331-8	4.9	36

48	Decreased zinc in the development and progression of malignancy: an important common relationship and potential for prevention and treatment of carcinomas. *Expert Opinion on Therapeutic Targets*, **2017**, 21, 51-66	6.4	35
47	Kinetic identification of a mitochondrial zinc uptake transport process in prostate cells. *Journal of Inorganic Biochemistry*, **2003**, 97, 199-206	4.2	34
46	The status of citrate in the hydroxyapatite/collagen complex of bone; and Its role in bone formation. *Journal of Regenerative Medicine & Tissue Engineering*, **2014**, 3, 4		32
45	hZIP1 zinc transporter down-regulation in prostate cancer involves the overexpression of ras responsive element binding protein-1 (RREB-1). *Prostate*, **2011**, 71, 1518-24	4.2	32
44	The cytotoxic role of RREB1, ZIP3 zinc transporter, and zinc in human pancreatic adenocarcinoma. *Cancer Biology and Therapy*, **2014**, 15, 1431-7	4.6	29
43	Ras responsive element binding protein-1 (RREB-1) down-regulates hZIP1 expression in prostate cancer cells. *Prostate*, **2010**, 70, 288-96	4.2	29
42	High-affinity L-aspartate transporter in prostate epithelial cells that is regulated by testosterone. *Prostate*, **1993**, 22, 53-63	4.2	29
41	A review of the important central role of altered citrate metabolism during the process of stem cell differentiation. *Journal of Regenerative Medicine & Tissue Engineering*, **2013**, 2,		29
40	Evidence that Osteoblasts are Specialized Citrate-producing Cells that Provide the Citrate for Incorporation into the Structure of Bone. *The Open Bone Journal*, **2014**, 6, 1-7		25
39	Evidence for changes in RREB-1, ZIP3, and Zinc in the early development of pancreatic adenocarcinoma. *Journal of Gastrointestinal Cancer*, **2012**, 43, 570-8	1.6	25
38	Testosterone stimulates the biosynthesis of m-aconitase and citrate oxidation in prostate epithelial cells. *Molecular and Cellular Endocrinology*, **1995**, 112, 45-51	4.4	25
37	Androgen modulation of multiple transcription start sites of the mitochondrial aspartate aminotransferase gene in rat prostate. *Journal of Biological Chemistry*, **1995**, 270, 12629-34	5.4	25
36	Plasma Citrate Homeostasis: How It Is Regulated; And Its Physiological and Clinical Implications. An Important, But Neglected, Relationship in Medicine **2016**, 1,		23
35	Testosterone stimulation of mitochondrial aspartate aminotransferase levels and biosynthesis in rat ventral prostate. *The Journal of Steroid Biochemistry*, **1987**, 28, 247-56		22
34	The genetic/metabolic transformation concept of carcinogenesis. *Cancer and Metastasis Reviews*, **2012**, 31, 123-30	9.6	21
33	Profiling of zinc-altered gene expression in human prostate normal vs. cancer cells: a time course study. *Journal of Nutritional Biochemistry*, **2009**, 20, 1000-12	6.3	21
32	Evidence for two aspartate transport systems in prostate epithelial cells. *Prostate*, **1990**, 16, 137-45	4.2	20
31	Zinc Ionophore (Clioquinol) Inhibition of Human ZIP1-Deficient Prostate Tumor Growth in the Mouse Ectopic Xenograft Model: A Zinc Approach for the Efficacious Treatment of Prostate Cancer. *International Journal of Cancer and Clinical Research*, **2016**, 3,	1	20

30	Prolactin regulation of mitochondrial aspartate aminotransferase and protein kinase C in human prostate cancer cells. *Molecular and Cellular Endocrinology*, **1997**, 127, 19-25	4.4	19
29	Testosterone regulates mitochondrial aspartate aminotransferase gene expression and mRNA stability in prostate. *Journal of Steroid Biochemistry and Molecular Biology*, **1993**, 44, 13-9	5.1	19
28	Testosterone stimulation of mitochondrial aspartate aminotransferase in organ cultures of rat ventral prostate. *The Journal of Steroid Biochemistry*, **1984**, 20, 709-13		18
27	Evidence that Human Prostate Cancer is a ZIP1-Deficient Malignancy that could be Effectively Treated with a Zinc Ionophore (Clioquinol) Approach. *Chemotherapy*, **2015**, 4,		16
26	The status of zinc in the development of hepatocellular cancer: an important, but neglected, clinically established relationship. *Cancer Biology and Therapy*, **2014**, 15, 353-60	4.6	15
25	A Review of the Current Status and Concept of the Emerging Implications of Zinc and Zinc Transporters in the Development of Pancreatic Cancer. *Pancreatic Disorders & Therapy*, **2013**, Suppl 4,		15
24	BMP2 stimulation of osteoblast citrate production in concert with mineralized bone nodule formation. *Journal of Regenerative Medicine & Tissue Engineering*, **2015**, 4,		13
23	Androgen receptor expression reduces stemness characteristics of prostate cancer cells (PC3) by repression of CD44 and SOX2. *Journal of Cellular Biochemistry*, **2018**, 120, 2413	4.7	13
22	Re: Zinc supplement use and risk of prostate cancer. *Journal of the National Cancer Institute*, **2004**, 96, 239-40; author reply 240-1	9.7	11
21	In situ clinical evidence that zinc levels are decreased in breast invasive ductal carcinoma. *Cancer Causes and Control*, **2016**, 27, 729-35	2.8	11
20	Protein kinase C alpha, epsilon and AP-1 mediate prolactin regulation of mitochondrial aspartate aminotransferase expression in the rat lateral prostate. *Molecular and Cellular Endocrinology*, **2000**, 170, 153-61	4.4	10
19	Persistent low expression of hZip1 in mucinous carcinomas of the ovary, colon, stomach and lung. *Journal of Ovarian Research*, **2015**, 8, 40	5.5	8
18	Integration of molecular genetics and proteomics with cell metabolism: how to proceed; how not to proceed!. *Gene*, **2011**, 486, 88-93	3.8	8
17	A Critical Assessment of Epidemiology Studies Regarding Dietary/Supplemental Zinc and Prostate Cancer Risk. *The Open Urology & Nephrology Journal*, **2008**, 1,	0.2	7
16	Testosterone, prolactin, and oncogenic regulation of the prostate gland. A new concept: Testosterone-independent malignancy is the development of prolactin-dependent malignancy!. *Oncology Reviews*, **2018**, 12, 356	4.3	6
15	Inhibitory effect of zinc on human prostatic carcinoma cell growth **1999**, 40, 200		4
14	Re: Silvano Gallus, Roberto Foschi, Eva Negri et al. Dietary zinc and prostate cancer risk: a case-control study from Italy. Eur urol 2007;52:1052-7. *European Urology*, **2007**, 52, 1262-3; author reply 1263-4	10.2	3
13	A Proposed Efficacious Treatment with Clioquinol (Zinc Ionophore) and Cabergoline (Prolactin Dopamine Agonist) for the Treatment of Terminal Androgen-independent Prostate Cancer. Why and How? **2019**, 2,		3

12	Re: Vitamin and mineral use and risk of prostate cancer: the case-control surveillance: Zhang et al. Cancer Causes Control. 2008 Dec 18 [Epub ahead of print]. *Cancer Causes and Control*, **2009**, 20, 1529-31; author reply 1533	2.8	2
11	The implications of the hypocitricemic response to surgery and the role of liver function and hepatocyte metabolism: An important, but neglected, clinical relationship **2018**, 4, 114-119		2
10	A Novel Patient Case Report to Show the Successful Termination of Untreatable Androgen-independent Prostate Cancer: Treatment with Cabergoline (Dopamine agonist) **2019**, 4,		2
9	The Important Role and Implications of Citrate in the Composition, Structure, and Function of Oral/Periodontal/Craniofacial Tissues **2018**, 3, 85-90		2
8	Zinc: The Wonder Drug for the Treatment of Carcinomas **2020**, 4, 33-39		2
7	The disruption of trace element homeostasis due to aneuploidy as a unifying theme in the etiology of cancer		2
6	Integration of Genetic, Proteomic, and Metabolic Approaches in Tumor Cell Metabolism **2009**, 79-92		2
5	Characterization of the mitochondrial aconitase promoter and the identification of transcription factor binding. *Prostate*, **2006**, 66, 1061-9	4.2	1
4	Metabolic Transformations of Malignant Cells: An Overview **2008**, 3-16		1
3	The Role of Intermediary Metabolism and Molecular Genetics in Prostate Cancer **2008**, 397-413		
2	Energy Dispersive X-Ray Fluorescence Zn/Fe Ratiometric Determination of Zinc Levels in Expressed Prostatic Fluid: A Direct, Non-Invasive and Highly Accurate Screening for Prostate Cancer **2018**, 2, 20-26		
1	Citrate Metabolism in Prostate and Other Cancers **2009**, 61-78		