

Leslie C Costello

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76
papers

3,717
citations

32
h-index

60
g-index

78
ext. papers

4,065
ext. citations

7.6
avg, IF

5.52
L-index

#	Paper	IF	Citations
76	The clinical relevance of the metabolism of prostate cancer; zinc and tumor suppression: connecting the dots. <i>Molecular Cancer</i> , 2006 , 5, 17	42.1	271
75	Inhibitory effect of zinc on human prostatic carcinoma cell growth. <i>Prostate</i> , 1999 , 40, 200-7	4.2	193
74	Zinc inhibition of mitochondrial aconitase and its importance in citrate metabolism of prostate epithelial cells. <i>Journal of Biological Chemistry</i> , 1997 , 272, 28875-81	5.4	184
73	hZIP1 zinc uptake transporter down regulation and zinc depletion in prostate cancer. <i>Molecular Cancer</i> , 2005 , 4, 32	42.1	178
72	Zinc as an anti-tumor agent in prostate cancer and in other cancers. <i>Archives of Biochemistry and Biophysics</i> , 2007 , 463, 211-7	4.1	174
71	Evidence for a zinc uptake transporter in human prostate cancer cells which is regulated by prolactin and testosterone. <i>Journal of Biological Chemistry</i> , 1999 , 274, 17499-504	5.4	166
70	The important role of the apoptotic effects of zinc in the development of cancers. <i>Journal of Cellular Biochemistry</i> , 2009 , 106, 750-7	4.7	154
69	Concepts of citrate production and secretion by prostate. 1. Metabolic relationships. <i>Prostate</i> , 1991 , 18, 25-46	4.2	147
68	Why do tumour cells glycolyse? From glycolysis through citrate to lipogenesis. <i>Molecular and Cellular Biochemistry</i> , 2005 , 280, 1-8	4.2	127
67	Direct effect of zinc on mitochondrial apoptogenesis in prostate cells. <i>Prostate</i> , 2002 , 52, 311-8	4.2	126
66	A comprehensive review of the role of zinc in normal prostate function and metabolism; and its implications in prostate cancer. <i>Archives of Biochemistry and Biophysics</i> , 2016 , 611, 100-112	4.1	115
65	Mitochondrial aconitase and citrate metabolism in malignant and nonmalignant human prostate tissues. <i>Molecular Cancer</i> , 2006 , 5, 14	42.1	109
64	Zinc and prostate cancer: a critical scientific, medical, and public interest issue (United States). <i>Cancer Causes and Control</i> , 2005 , 16, 901-15	2.8	106
63	Citrate metabolism of normal and malignant prostate epithelial cells. <i>Urology</i> , 1997 , 50, 3-12	1.6	91
62	hZip2 and hZip3 zinc transporters are down regulated in human prostate adenocarcinomatous glands. <i>Molecular Cancer</i> , 2007 , 6, 37	42.1	91
61	Concepts of citrate production and secretion by prostate: 2. Hormonal relationships in normal and neoplastic prostate. <i>Prostate</i> , 1991 , 19, 181-205	4.2	86
60	Zinc and zinc transporters in normal prostate and the pathogenesis of prostate cancer. <i>Frontiers in Bioscience - Landmark</i> , 2005 , 10, 2230-9	2.8	85

59	Zinc is decreased in prostate cancer: an established relationship of prostate cancer!. <i>Journal of Biological Inorganic Chemistry</i> , 2011 , 16, 3-8	3.7	80
58	Evidence for operation of the direct zinc ligand exchange mechanism for trafficking, transport, and reactivity of zinc in mammalian cells. <i>Journal of Inorganic Biochemistry</i> , 2011 , 105, 589-99	4.2	75
57	The involvement of Bax in zinc-induced mitochondrial apoptogenesis in malignant prostate cells. <i>Molecular Cancer</i> , 2008 , 7, 25	42.1	71
56	The Important Role of Osteoblasts and Citrate Production in Bone Formation: "Osteoblast Citration" as a New Concept for an Old Relationship. <i>The Open Bone Journal</i> , 2012 , 4,		58
55	Effect of zinc on prostatic tumorigenicity in nude mice. <i>Annals of the New York Academy of Sciences</i> , 2003 , 1010, 316-20	6.5	53
54	Cytotoxic/tumor suppressor role of zinc for the treatment of cancer: an enigma and an opportunity. <i>Expert Review of Anticancer Therapy</i> , 2012 , 12, 121-8	3.5	49
53	Metallothionein can function as a chaperone for zinc uptake transport into prostate and liver mitochondria. <i>Journal of Inorganic Biochemistry</i> , 2004 , 98, 664-6	4.2	49
52	Decreased zinc and downregulation of ZIP3 zinc uptake transporter in the development of pancreatic adenocarcinoma. <i>Cancer Biology and Therapy</i> , 2011 , 12, 297-303	4.6	47
51	Zinc causes a shift toward citrate at equilibrium of the m-aconitase reaction of prostate mitochondria. <i>Journal of Inorganic Biochemistry</i> , 2000 , 78, 161-5	4.2	47
50	ZIP14 zinc transporter downregulation and zinc depletion in the development and progression of hepatocellular cancer. <i>Journal of Gastrointestinal Cancer</i> , 2012 , 43, 249-57	1.6	46
49	Human prostate cancer ZIP1/zinc/citrate genetic/metabolic relationship in the TRAMP prostate cancer animal model. <i>Cancer Biology and Therapy</i> , 2011 , 12, 1078-84	4.6	42
48	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. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006 , 1758, 1696-701	3.8	37
47	Terminal oxidation and the effects of zinc in prostate versus liver mitochondria. <i>Mitochondrion</i> , 2004 , 4, 331-8	4.9	36
46	Decreased zinc in the development and progression of malignancy: an important common relationship and potential for prevention and treatment of carcinomas. <i>Expert Opinion on Therapeutic Targets</i> , 2017 , 21, 51-66	6.4	35
45	Kinetic identification of a mitochondrial zinc uptake transport process in prostate cells. <i>Journal of Inorganic Biochemistry</i> , 2003 , 97, 199-206	4.2	34
44	The status of citrate in the hydroxyapatite/collagen complex of bone; and Its role in bone formation. <i>Journal of Regenerative Medicine & Tissue Engineering</i> , 2014 , 3, 4		32
43	hZIP1 zinc transporter down-regulation in prostate cancer involves the overexpression of ras responsive element binding protein-1 (RREB-1). <i>Prostate</i> , 2011 , 71, 1518-24	4.2	32
42	The cytotoxic role of RREB1, ZIP3 zinc transporter, and zinc in human pancreatic adenocarcinoma. <i>Cancer Biology and Therapy</i> , 2014 , 15, 1431-7	4.6	29

41	Ras responsive element binding protein-1 (RREB-1) down-regulates hZIP1 expression in prostate cancer cells. <i>Prostate</i> , 2010 , 70, 288-96	4.2	29
40	A review of the important central role of altered citrate metabolism during the process of stem cell differentiation. <i>Journal of Regenerative Medicine & Tissue Engineering</i> , 2013 , 2,		29
39	Evidence that Osteoblasts are Specialized Citrate-producing Cells that Provide the Citrate for Incorporation into the Structure of Bone. <i>The Open Bone Journal</i> , 2014 , 6, 1-7		25
38	Evidence for changes in RREB-1, ZIP3, and Zinc in the early development of pancreatic adenocarcinoma. <i>Journal of Gastrointestinal Cancer</i> , 2012 , 43, 570-8	1.6	25
37	Testosterone stimulates the biosynthesis of m-aconitase and citrate oxidation in prostate epithelial cells. <i>Molecular and Cellular Endocrinology</i> , 1995 , 112, 45-51	4.4	25
36	Androgen modulation of multiple transcription start sites of the mitochondrial aspartate aminotransferase gene in rat prostate. <i>Journal of Biological Chemistry</i> , 1995 , 270, 12629-34	5.4	25
35	Plasma Citrate Homeostasis: How It Is Regulated; And Its Physiological and Clinical Implications. An Important, But Neglected, Relationship in Medicine 2016 , 1,		23
34	The genetic/metabolic transformation concept of carcinogenesis. <i>Cancer and Metastasis Reviews</i> , 2012 , 31, 123-30	9.6	21
33	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. <i>International Journal of Cancer and Clinical Research</i> , 2016 , 3,	1	20
32	Perspective: is NIH funding the "best science by the best scientists"? A critique of the NIH R01 research grant review policies. <i>Academic Medicine</i> , 2010 , 85, 775-9	3.9	19
31	Prolactin regulation of mitochondrial aspartate aminotransferase and protein kinase C in human prostate cancer cells. <i>Molecular and Cellular Endocrinology</i> , 1997 , 127, 19-25	4.4	19
30	Testosterone regulates mitochondrial aspartate aminotransferase gene expression and mRNA stability in prostate. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1993 , 44, 13-9	5.1	19
29	Evidence that Human Prostate Cancer is a ZIP1-Deficient Malignancy that could be Effectively Treated with a Zinc Ionophore (Clioquinol) Approach. <i>Chemotherapy</i> , 2015 , 4,		16
28	The status of zinc in the development of hepatocellular cancer: an important, but neglected, clinically established relationship. <i>Cancer Biology and Therapy</i> , 2014 , 15, 353-60	4.6	15
27	A Review of the Current Status and Concept of the Emerging Implications of Zinc and Zinc Transporters in the Development of Pancreatic Cancer. <i>Pancreatic Disorders & Therapy</i> , 2013 , Suppl 4,		15
26	BMP2 stimulation of osteoblast citrate production in concert with mineralized bone nodule formation. <i>Journal of Regenerative Medicine & Tissue Engineering</i> , 2015 , 4,		13
25	The effect of contemporary education and training of biomedical scientists on present and future medical research. <i>Academic Medicine</i> , 2009 , 84, 459-63	3.9	11
24	In situ clinical evidence that zinc levels are decreased in breast invasive ductal carcinoma. <i>Cancer Causes and Control</i> , 2016 , 27, 729-35	2.8	11

23	Protein kinase C alpha, epsilon and AP-1 mediate prolactin regulation of mitochondrial aspartate aminotransferase expression in the rat lateral prostate. <i>Molecular and Cellular Endocrinology</i> , 2000 , 170, 153-61	4.4	10
22	Persistent low expression of hZip1 in mucinous carcinomas of the ovary, colon, stomach and lung. <i>Journal of Ovarian Research</i> , 2015 , 8, 40	5.5	8
21	Integration of molecular genetics and proteomics with cell metabolism: how to proceed; how not to proceed!. <i>Gene</i> , 2011 , 486, 88-93	3.8	8
20	A Critical Assessment of Epidemiology Studies Regarding Dietary/Supplemental Zinc and Prostate Cancer Risk. <i>The Open Urology & Nephrology Journal</i> , 2008 , 1,	0.2	7
19	Metabolic Diagnosis of Prostate Cancer by Magnetic Resonance Spectroscopy 2002 , 167-177		6
18	Testosterone, prolactin, and oncogenic regulation of the prostate gland. A new concept: Testosterone-independent malignancy is the development of prolactin-dependent malignancy!. <i>Oncology Reviews</i> , 2018 , 12, 356	4.3	6
17	Hypocitricemic effect of surgical stress. <i>Journal of Surgical Research</i> , 1973 , 15, 182-8	2.5	5
16	Inhibitory effect of zinc on human prostatic carcinoma cell growth 1999 , 40, 200		4
15	Re: Silvano Gallus, Roberto Foschi, Eva Negri et al. Dietary zinc and prostate cancer risk: a case-control study from Italy. <i>Eur urol</i> 2007;52:1052-7. <i>European Urology</i> , 2007 , 52, 1262-3; author reply 1263-4	10.2	3
14	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
13	Re: Vitamin and mineral use and risk of prostate cancer: the case-control surveillance: Zhang et al. <i>Cancer Causes and Control</i> . 2008 Dec 18 [Epub ahead of print]. <i>Cancer Causes and Control</i> , 2009 , 20, 1529-31; author reply 1533	2.8	2
12	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
11	A Novel Patient Case Report to Show the Successful Termination of Untreatable Androgen-independent Prostate Cancer: Treatment with Cabergoline (Dopamine agonist) 2019 , 4,		2
10	The Important Role and Implications of Citrate in the Composition, Structure, and Function of Oral/Periodontal/Craniofacial Tissues 2018 , 3, 85-90		2
9	Zinc: The Wonder Drug for the Treatment of Carcinomas 2020 , 4, 33-39		2
8	The Suppression of Prolactin is required for the Treatment of Advanced Prostate Cancer 2019 , 2,		2
7	Integration of Genetic, Proteomic, and Metabolic Approaches in Tumor Cell Metabolism 2009 , 79-92		2
6	Characterization of the mitochondrial aconitase promoter and the identification of transcription factor binding. <i>Prostate</i> , 2006 , 66, 1061-9	4.2	1

- 5 Metabolic Transformations of Malignant Cells: An Overview **2008**, 3-16 1
- 4 The Role of Intermediary Metabolism and Molecular Genetics in Prostate Cancer **2008**, 397-413
- 3 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
- 2 Poor Science; Poorly Trained Scientists; Poor Policies: Major Deterrents to the War on Cancer. *Journal of Cancer Research Updates*, **2018**, 7, 79-83 1
- 1 Citrate Metabolism in Prostate and Other Cancers **2009**, 61-78