

Michael V Berridge

List of Publications by Year in descending order

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91
papers

7,206
citations

94433

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docs citations

98
times ranked

12939
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioenergetic and Metabolic Adaptation in Tumor Progression and Metastasis. <i>Frontiers in Oncology</i> , 2022, 12, 857686.	2.8	8
2	SMAD4 loss limits the vulnerability of pancreatic cancer cells to complex I inhibition via promotion of mitophagy. <i>Oncogene</i> , 2021, 40, 2539-2552.	5.9	18
3	A simple indirect colorimetric assay for measuring mitochondrial energy metabolism based on uncoupling sensitivity. <i>Biochemistry and Biophysics Reports</i> , 2020, 24, 100858.	1.3	0
4	Mitochondrial movement between mammalian cells: an emerging physiological phenomenon. , 2020, , 515-546.		4
5	Mitochondrial DNA Affects the Expression of Nuclear Genes Involved in Immune and Stress Responses in a Breast Cancer Model. <i>Frontiers in Physiology</i> , 2020, 11, 543962.	2.8	6
6	Vaccines adjuvanted with an NKT cell agonist induce effective T-cell responses in models of CNS lymphoma. <i>Immunotherapy</i> , 2020, 12, 395-406.	2.0	10
7	High-intensity interval exercise increases humanin, a mitochondrial encoded peptide, in the plasma and muscle of men. <i>Journal of Applied Physiology</i> , 2020, 128, 1346-1354.	2.5	34
8	Sodium sulfide selectively induces oxidative stress, DNA damage, and mitochondrial dysfunction and radiosensitizes glioblastoma (GBM) cells.. <i>Redox Biology</i> , 2019, 26, 101220.	9.0	32
9	Reactivation of Dihydroorotate Dehydrogenase-Driven Pyrimidine Biosynthesis Restores Tumor Growth of Respiration-Deficient Cancer Cells. <i>Cell Metabolism</i> , 2019, 29, 399-416.e10.	16.2	190
10	Mitochondria break through cellular boundaries. <i>Aging</i> , 2019, 11, 4308-4309.	3.1	1
11	Mitochondrial Genome Transfer to Tumor Cells Breaks The Rules and Establishes a New Precedent in Cancer Biology. <i>Molecular and Cellular Oncology</i> , 2018, 5, e1023929.	0.7	20
12	Mitochondrial transfer between cells: Methodological constraints in cell culture and animal models. <i>Analytical Biochemistry</i> , 2018, 552, 75-80.	2.4	25
13	Metabolic reprogramming of mitochondrial respiration in metastatic cancer. <i>Cancer and Metastasis Reviews</i> , 2018, 37, 643-653.	5.9	36
14	Intercellular Communication in Tumor Biology: A Role for Mitochondrial Transfer. <i>Frontiers in Oncology</i> , 2018, 8, 344.	2.8	44
15	Alternative assembly of respiratory complex II connects energy stress to metabolic checkpoints. <i>Nature Communications</i> , 2018, 9, 2221.	12.8	44
16	The mobility of mitochondria: Intercellular trafficking in health and disease. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017, 44, 15-20.	1.9	27
17	Functional Mitochondria in Health and Disease. <i>Frontiers in Endocrinology</i> , 2017, 8, 296.	3.5	219
18	Horizontal transfer of whole mitochondria restores tumorigenic potential in mitochondrial DNA-deficient cancer cells. <i>ELife</i> , 2017, 6, .	6.0	205

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19	Iterative sorting reveals CD133+ and CD133- melanoma cells as phenotypically distinct populations. <i>BMC Cancer</i> , 2016, 16, 726.	2.6	15
20	Horizontal transfer of mitochondria between mammalian cells: beyond co-culture approaches. <i>Current Opinion in Genetics and Development</i> , 2016, 38, 75-82.	3.3	68
21	N,N-Bis(glycyl)amines as anti-cancer drugs. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 3932-3939.	3.0	5
22	Mitochondrial Transfer from Astrocytes to Neurons following Ischemic Insult: Guilt by Association?. <i>Cell Metabolism</i> , 2016, 24, 376-378.	16.2	43
23	The $\hat{\imath}$ "133p53 isoform and its mouse analogue $\hat{\imath}$ "122p53 promote invasion and metastasis involving pro-inflammatory molecules interleukin-6 and CCL2. <i>Oncogene</i> , 2016, 35, 4981-4989.	5.9	29
24	Tumor Cell Complexity and Metabolic Flexibility in Tumorigenesis and Metastasis. , 2015, , 23-43.		3
25	Mitochondrial Genome Acquisition Restores Respiratory Function and Tumorigenic Potential of Cancer Cells without Mitochondrial DNA. <i>Cell Metabolism</i> , 2015, 21, 81-94.	16.2	582
26	Mitochondrial DNA in Tumor Initiation, Progression, and Metastasis: Role of Horizontal mtDNA Transfer. <i>Cancer Research</i> , 2015, 75, 3203-3208.	0.9	56
27	The role of mitochondrial electron transport in tumorigenesis and metastasis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 1454-1463.	2.4	47
28	Anti-Leukemic Activity of Ubiquinone-Based Compounds Targeting Trans-plasma Membrane Electron Transport. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 3168-3176.	6.4	6
29	Cell Hierarchy, Metabolic Flexibility and Systems Approaches to Cancer Treatment. <i>Current Pharmaceutical Biotechnology</i> , 2013, 14, 289-299.	1.6	15
30	Sphere formation reverses the metastatic and cancer stem cell phenotype of the murine mammary tumour 4T1, independently of the putative cancer stem cell marker Sca-1. <i>Cancer Letters</i> , 2012, 323, 20-28.	7.2	12
31	Mitochondrial Genome-Knockout Cells Demonstrate a Dual Mechanism of Action for the Electron Transport Complex I Inhibitor Mycothiazole. <i>Marine Drugs</i> , 2012, 10, 900-917.	4.6	13
32	The novel phloroglucinol PMT7 kills glycolytic cancer cells by blocking autophagy and sensitizing to nutrient stress. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 1869-1879.	2.6	13
33	The anti-cancer, anti-inflammatory and tuberculostatic activities of a series of 6,7-substituted-5,8-quinolinequinones. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 3238-3251.	3.0	68
34	Evidence for NAD(P)H:quinone oxidoreductase 1 (NQO1)-mediated quinone-dependent redox cycling via plasma membrane electron transport: A sensitive cellular assay for NQO1. <i>Free Radical Biology and Medicine</i> , 2010, 48, 421-429.	2.9	31
35	Inhibition of trans-plasma membrane electron transport: A potential anti-leukemic strategy. <i>Leukemia Research</i> , 2010, 34, 1630-1635.	0.8	14
36	Effects of Mitochondrial Gene Deletion on Tumorigenicity of Metastatic Melanoma: Reassessing the Warburg Effect. <i>Rejuvenation Research</i> , 2010, 13, 139-141.	1.8	35

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37	Metabolic flexibility and cell hierarchy in metastatic cancer. <i>Mitochondrion</i> , 2010, 10, 584-588.	3.4	58
38	The level of glycolytic metabolism in acute myeloid leukemia blasts at diagnosis is prognostic for clinical outcome. <i>Journal of Leukocyte Biology</i> , 2010, 89, 51-55.	3.3	90
39	The anti-cancer drug, phenoxodiol, kills primary myeloid and lymphoid leukemic blasts and rapidly proliferating T cells. <i>Haematologica</i> , 2009, 94, 928-934.	3.5	21
40	Targeting mitochondrial permeability in cancer drug development. <i>Molecular Nutrition and Food Research</i> , 2009, 53, 76-86.	3.3	32
41	Rossinones A and B, Biologically Active Meroterpenoids from the Antarctic Ascidian, <i>Aplidium</i> species. <i>Journal of Organic Chemistry</i> , 2009, 74, 9195-9198.	3.2	81
42	Ceramides that Mediate Apoptosis Reduce Glucose Uptake and Transporter Affinity for Glucose in Human Leukaemic Cell Lines but Not in Neutrophils. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2008, 86, 114-121.	0.0	0
43	Glycolytic metabolism confers resistance to combined all-trans retinoic acid and arsenic trioxide-induced apoptosis in HL60 cells. <i>Leukemia Research</i> , 2008, 32, 327-333.	0.8	15
44	Synthesis and anti-inflammatory structure-activity relationships of thiazine-quinoline-quinones: Inhibitors of the neutrophil respiratory burst in a model of acute gouty arthritis. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 9432-9442.	3.0	37
45	Orthidines A, tubastrine, 3,4-dimethoxyphenethyl-guanidine, and 1,14-sperminedihomovanillamide: potential anti-inflammatory alkaloids isolated from the New Zealand ascidian <i>Aplidium orthium</i> that act as inhibitors of neutrophil respiratory burst. <i>Tetrahedron</i> , 2008, 64, 5748-5755.	1.9	44
46	Plasma membrane redox and cancer drug development. <i>BioFactors</i> , 2008, 34, 181-182.	5.4	2
47	Differential effects of redox-cycling and arylating quinones on trans-plasma membrane electron transport. <i>BioFactors</i> , 2008, 34, 183-190.	5.4	9
48	Plasma membrane electron transport in <i>Saccharomyces cerevisiae</i> depends on the presence of mitochondrial respiratory subunits. <i>FEMS Yeast Research</i> , 2008, 8, 897-905.	2.3	15
49	Antitumor Activity of Bis-indole Derivatives. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 4563-4570.	6.4	95
50	The Level of Glycolytic Metabolism of AML Blasts May Predict Drug Sensitivity and Prognosis in Patients with AML. <i>Blood</i> , 2008, 112, 4022-4022.	1.4	0
51	An Antiproliferative Bis-prenylated Quinone from the New Zealand Brown Alga <i>Perithalia capillaris</i> . <i>Journal of Natural Products</i> , 2007, 70, 2042-2044.	3.0	31
52	Anti-inflammatory Thiazine Alkaloids Isolated from the New Zealand Ascidian <i>Aplidium</i> sp.: Inhibitors of the Neutrophil Respiratory Burst in a Model of Gouty Arthritis. <i>Journal of Natural Products</i> , 2007, 70, 936-940.	3.0	68
53	Cell surface oxygen consumption: A major contributor to cellular oxygen consumption in glycolytic cancer cell lines. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007, 1767, 170-177.	1.0	141
54	Interaction of heme and heme-hemopexin with an extracellular oxidant system used to measure cell growth-associated plasma membrane electron transport. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007, 1767, 1107-1117.	1.0	11

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55	E/Z-Rubrolide O, an Anti-inflammatory Halogenated Furanone from the New Zealand Ascidian <i>Synoicum n. sp.</i> . <i>Journal of Natural Products</i> , 2007, 70, 111-113.	3.0	70
56	The antiproliferative effects of phenoxodiol are associated with inhibition of plasma membrane electron transport in tumour cell lines and primary immune cells. <i>Biochemical Pharmacology</i> , 2007, 74, 1587-1595.	4.4	46
57	Plasma Membrane Electron Transport: A New Target for Cancer Drug Development. <i>Current Molecular Medicine</i> , 2006, 6, 895-904.	1.3	59
58	Mitochondrial gene knockout HL60 cells show preferential differentiation into monocytes/macrophages. <i>Leukemia Research</i> , 2005, 29, 1163-1170.	0.8	11
59	Tetrazolium dyes as tools in cell biology: New insights into their cellular reduction. <i>Biotechnology Annual Review</i> , 2005, 11, 127-152.	2.1	1,638
60	Anti-inflammatory Sesquiterpene-quinones from the New Zealand Sponge <i>Dysidea cf. cristagalli</i> . <i>Journal of Natural Products</i> , 2005, 68, 1431-1433.	3.0	56
61	Multiple proteins with single activities or a single protein with multiple activities: The conundrum of cell surface NADH oxidoreductases. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005, 1708, 108-119.	1.0	42
62	Distinct trans-plasma membrane redox pathways reduce cell-impermeable dyes in HeLa cells. <i>Redox Report</i> , 2004, 9, 302-306.	4.5	27
63	Peloruside A enhances apoptosis in H-ras-transformed cells and is cytotoxic to proliferating T cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2004, 9, 785-796.	4.9	34
64	Mitochondrial gene knockout (Δ) cells: A versatile model for exploring the secrets of trans-plasma membrane electron transport. <i>BioFactors</i> , 2004, 20, 213-220.	5.4	36
65	Cell surface oxygen consumption by mitochondrial gene knockout cells. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2004, 1656, 79-87.	1.0	94
66	Hemopoietic cell transformation is associated with failure to downregulate glucose uptake during the G2/M phase of the cell cycle. <i>Experimental Cell Research</i> , 2004, 293, 321-330.	2.6	4
67	Clathriol B, a New 14β Marine Sterol from the New Zealand Sponge <i>Clathria lissosclera</i> . <i>Australian Journal of Chemistry</i> , 2003, 56, 279.	0.9	20
68	Kottamides A-D: Novel Bioactive Imidazolone-Containing Alkaloids from the New Zealand Ascidian <i>Pycnoclavella kottae</i> . <i>Journal of Organic Chemistry</i> , 2002, 67, 5402-5404.	3.2	63
69	A New Biologically Active Malyngamide from a New Zealand Collection of the Sea Hare <i>Bursatella leachii</i> . <i>Journal of Natural Products</i> , 2002, 65, 630-631.	3.0	49
70	Induction of apoptosis by the marine sponge (<i>Mycale</i>) metabolites, mycalamide A and pateamine. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2001, 6, 207-219.	4.9	99
71	Superoxide produced by activated neutrophils efficiently reduces the tetrazolium salt, WST-1 to produce a soluble formazan: a simple colorimetric assay for measuring respiratory burst activation and for screening anti-inflammatory agents. <i>Journal of Immunological Methods</i> , 2000, 238, 59-68.	1.4	290
72	Cell-Surface NAD(P)H-Oxidase: Relationship to Trans-Plasma Membrane NADH-Oxidoreductase and a Potential Source of Circulating NADH-Oxidase. <i>Antioxidants and Redox Signaling</i> , 2000, 2, 277-288.	5.4	41

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73	High-Capacity Redox Control at the Plasma Membrane of Mammalian Cells: Trans-Membrane, Cell Surface, and Serum NADH-Oxidases. <i>Antioxidants and Redox Signaling</i> , 2000, 2, 231-242.	5.4	76
74	IL-3 induces apoptosis in a ras-transformed myeloid cell line. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 1999, 4, 71-80.	4.9	2
75	Distinct regulation of glucose transport by interleukin-3 and oncogenes in a murine bone marrow-derived cell line. <i>Biochemical Pharmacology</i> , 1999, 57, 387-396.	4.4	11
76	N-Glycosylation of glucose transporter-1 (Glut-1) is associated with increased transporter affinity for glucose in human leukemic cells. <i>Leukemia Research</i> , 1999, 23, 395-401.	0.8	30
77	Trans-plasma membrane electron transport: A cellular assay for NADH- and NADPH-oxidase based on extracellular, superoxide-mediated reduction of the sulfonated tetrazolium salt WST-1. <i>Protoplasma</i> , 1998, 205, 74-82.	2.1	77
78	Transforming oncogenes regulate glucose transport by increasing transporter affinity for glucose: Contrasting effects of oncogenes and heat stress in a murine marrow-derived cell line. <i>Life Sciences</i> , 1998, 63, 1887-1903.	4.3	12
79	Acute Regulation of Glucose Transport After Activation of Human Peripheral Blood Neutrophils by Phorbol Myristate Acetate, fMLP, and Granulocyte-Macrophage Colony-Stimulating Factor. <i>Blood</i> , 1998, 91, 649-655.	1.4	73
80	Acute Regulation of Glucose Transport After Activation of Human Peripheral Blood Neutrophils by Phorbol Myristate Acetate, fMLP, and Granulocyte-Macrophage Colony-Stimulating Factor. <i>Blood</i> , 1998, 91, 649-655.	1.4	4
81	The Hemopoietic Growth Factor, Interleukin-3, Promotes Glucose Transport by Increasing the Specific Activity and Maintaining the Affinity for Glucose of Plasma Membrane Glucose Transporters. <i>Journal of Biological Chemistry</i> , 1997, 272, 17276-17282.	3.4	28
82	Regulation of glucose transport by interleukin-3 in growth factor-dependent and oncogene-transformed bone marrow-derived cell lines. <i>Leukemia Research</i> , 1997, 21, 609-618.	0.8	19
83	Evidence that cell survival is controlled by interleukin-3 independently of cell proliferation. <i>Journal of Cellular Physiology</i> , 1995, 163, 466-476.	4.1	14
84	Conserved Region of the Cytoplasmic Domain is not Essential for Erythropoietin-Dependent Growth. <i>Growth Factors</i> , 1995, 12, 263-276.	1.7	8
85	Characterization of the Cellular Reduction of 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide (MTT): Subcellular Localization, Substrate Dependence, and Involvement of Mitochondrial Electron Transport in MTT Reduction. <i>Archives of Biochemistry and Biophysics</i> , 1993, 303, 474-482.	3.0	1,190
86	The protein kinase C inhibitor, calphostin C, inhibits succinate-dependent mitochondrial reduction of MTT by a mechanism that does not involve protein kinase C. <i>Biochemical and Biophysical Research Communications</i> , 1992, 185, 806-811.	2.1	15
87	A new class of cell surface antigens. Quantitative absorption studies defining cell-lineage-specific antigens on hemopoietic cells.. <i>Journal of Experimental Medicine</i> , 1979, 150, 977-986.	8.5	13
88	Translation of Xenopus vitellogenin mRNA during primary and secondary induction. <i>Nature</i> , 1978, 273, 401-403.	27.8	49
89	Translation of Xenopus liver messenger RNA in Xenopus oocytes: Vitellogenin synthesis and conversion to yolk platelet proteins. <i>Cell</i> , 1976, 8, 283-297.	28.9	81
90	Characterization of Polysomes from Xenopus Liver Synthesizing Vitellogenin and Translation of Vitellogenin and Albumin Messenger RNA's in vitro. <i>FEBS Journal</i> , 1976, 62, 161-171.	0.2	77

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91	An assay for the endonucleolytic cleavage of RNA to large oligonucleotides. Analytical Biochemistry, 1973, 53, 603-612.	2.4	15