

Yuen-Li Chung

List of Publications by Year in descending order

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68
papers

10,641
citations

147801

31
h-index

144013

57
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71
all docs

71
docs citations

71
times ranked

21600
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>De novo</i> phosphatidylcholine synthesis is required for autophagosome membrane formation and maintenance during autophagy. <i>Autophagy</i> , 2020, 16, 1044-1060.	9.1	67
2	A systematic molecular and pharmacologic evaluation of AKT inhibitors reveals new insight into their biological activity. <i>British Journal of Cancer</i> , 2020, 123, 542-555.	6.4	22
3	The effect of FASN inhibition on the growth and metabolism of a cisplatin-resistant ovarian carcinoma model. <i>International Journal of Cancer</i> , 2018, 143, 992-1002.	5.1	80
4	Radiosynthesis of the anticancer nucleoside analogue Trifluridine using an automated ¹⁸ F-trifluoromethylation procedure. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2986-2996.	2.8	6
5	VHL-Mediated Regulation of CHCHD4 and Mitochondrial Function. <i>Frontiers in Oncology</i> , 2018, 8, 388.	2.8	23
6	Metabolic biomarkers of response to the AKT inhibitor MK-2206 in pre-clinical models of human colorectal and prostate carcinoma. <i>British Journal of Cancer</i> , 2018, 119, 1118-1128.	6.4	13
7	Application of Magnetic Resonance Imaging (MRI) and Spectroscopy (MRS) in Preclinical Cancer Models. , 2018, , 121-140.		0
8	MCT1 Inhibitor AZD3965 Increases Mitochondrial Metabolism, Facilitating Combination Therapy and Noninvasive Magnetic Resonance Spectroscopy. <i>Cancer Research</i> , 2017, 77, 5913-5924.	0.9	96
9	Vps34 PI 3-kinase inactivation enhances insulin sensitivity through reprogramming of mitochondrial metabolism. <i>Nature Communications</i> , 2017, 8, 1804.	12.8	59
10	Magnetic Resonance Spectroscopy to Study Glycolytic Metabolism During Autophagy. <i>Methods in Enzymology</i> , 2017, 588, 133-153.	1.0	10
11	Magnetic Resonance Spectroscopy (MRS)-Based Methods for Examining Cancer Metabolism in Response to Oncogenic Kinase Drug Treatment. <i>Methods in Molecular Biology</i> , 2017, 1636, 393-404.	0.9	3
12	Evaluation of the combination of the dual m-TORC1/2 inhibitor vistusertib (AZD2014) and paclitaxel in ovarian cancer models. <i>Oncotarget</i> , 2017, 8, 113874-113884.	1.8	22
13	Application of Magnetic Resonance Imaging (MRI) and Spectroscopy (MRS) in Preclinical Cancer Models. , 2017, , 1-21.		0
14	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
15	Abstract CT138: Translating preclinical observations to the clinic: Combination of the dual m-TORC1/2 inhibitor AZD2014 and paclitaxel in ovarian and lung cancer. , 2015, , .		1
16	Abstract 2897: Phosphatidylcholine synthesis is required for autophagosome membrane formation and maintenance during autophagy. , 2015, , .		0
17	Reduced Warburg Effect in Cancer Cells Undergoing Autophagy: Steady-State 1H-MRS and Real-Time Hyperpolarized 13C-MRS Studies. <i>PLoS ONE</i> , 2014, 9, e92645.	2.5	17
18	Current Opportunities and Challenges of Magnetic Resonance Spectroscopy, Positron Emission Tomography, and Mass Spectrometry Imaging for Mapping Cancer Metabolism <i>In Vivo</i>. <i>BioMed Research International</i> , 2014, 2014, 1-13.	1.9	24

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19	Abstract 2451: Insulin-like growth factor-1 receptor (IGF-1R) inhibitors downregulate p53 expression and upregulate the Warburg effect in paediatric glioblastoma cells. , 2014, , .		0
20	Proteomics and Metabolomics for Mechanistic Insights and Biomarker Discovery in Cardiovascular Disease. Revista Espanola De Cardiologia (English Ed), 2013, 66, 657-661.	0.6	34
21	Molecular and Metabolic Consequences Following E6 Transfection in an Isogenic Ovarian Cell Line (A2780) Pair. Cellular Physiology and Biochemistry, 2013, 32, 1460-1472.	1.6	5
22	1 H NMR and hyperpolarized 13 C NMR assays of pyruvate→lactate: a comparative study. NMR in Biomedicine, 2013, 26, 1321-1325.	2.8	25
23	Profiling metabolite changes in the neuronal differentiation of human striatal neural stem cells using 1H-magnetic resonance spectroscopy. NeuroReport, 2013, 24, 1035-1040.	1.2	8
24	Model Free Approach to Kinetic Analysis of Real-Time Hyperpolarized 13C Magnetic Resonance Spectroscopy Data. PLoS ONE, 2013, 8, e71996.	2.5	134
25	Abstract 5640: Picropodophyllin downregulates p53 and increases the Warburg effect in pediatric glioblastoma cells.. , 2013, , .		0
26	Histone Deacetylase Inhibition Increases Levels of Choline Kinase $\hat{\pm}$ and Phosphocholine Facilitating Noninvasive Imaging in Human Cancers. Cancer Research, 2012, 72, 990-1000.	0.9	23
27	Effects of HSP90 inhibitor 17-allylamino-17-demethoxygeldanamycin (17-AAG) on NEU/HER2 overexpressing mammary tumours in MMTV-NEU-NT mice monitored by Magnetic Resonance Spectroscopy. BMC Research Notes, 2012, 5, 250.	1.4	13
28	Abstract B61: Picropodophyllin (PPP) increases glucose metabolism and lactate production in paediatric glioblastoma cells. Clinical Cancer Research, 2012, 18, B61-B61.	7.0	1
29	Adaptation to HIF-1 deficiency by upregulation of the AMP/ATP ratio and phosphofructokinase activation in hepatomas. BMC Cancer, 2011, 11, 198.	2.6	23
30	Abstract 4074: The effects of the HIF pathway inhibitor NSC-134754 on glucose metabolism. , 2011, , .		0
31	Abstract 3788: Autophagy induced by DCA, PI3K inhibition or starvation results in reduced lactate production measured in real-time by DNP 13C MRS. , 2011, , .		0
32	Abstract 5277: Non-invasive metabolic biomarkers of histone deacetylase inhibition in human colon cancer cells and tumors. , 2011, , .		0
33	Effects of HIF-1 and HIF2 on Growth and Metabolism of Clear-Cell Renal Cell Carcinoma 786-O Xenografts. Journal of Oncology, 2010, 2010, 1-14.	1.3	76
34	Dysregulation of hypoxia pathways in fumarate hydratase-deficient cells is independent of defective mitochondrial metabolism. Human Molecular Genetics, 2010, 19, 3844-3851.	2.9	91
35	Expression Profiling in Progressive Stages of Fumarate-Hydratase Deficiency: The Contribution of Metabolic Changes to Tumorigenesis. Cancer Research, 2010, 70, 9153-9165.	0.9	63
36	Proteomic and metabolomic analysis of atrial profibrillatory remodelling in congestive heart failure. Journal of Molecular and Cellular Cardiology, 2010, 49, 851-863.	1.9	83

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37	Glucose homeostasis across human airway epithelial cell monolayers: role of diffusion, transport and metabolism. <i>Pflugers Archiv European Journal of Physiology</i> , 2009, 457, 1061-1070.	2.8	57
38	Glut-1 as a therapeutic target: increased chemoresistance and HIF-1-independent link with cell turnover is revealed through COMPARE analysis and metabolomic studies. <i>Cancer Chemotherapy and Pharmacology</i> , 2008, 61, 377-393.	2.3	74
39	Combined Metabolomic and Proteomic Analysis of Human Atrial Fibrillation. <i>Journal of the American College of Cardiology</i> , 2008, 51, 585-594.	2.8	202
40	SREBP Activity Is Regulated by mTORC1 and Contributes to Akt-Dependent Cell Growth. <i>Cell Metabolism</i> , 2008, 8, 224-236.	16.2	1,103
41	Noninvasive Magnetic Resonance Spectroscopic Pharmacodynamic Markers of a Novel Histone Deacetylase Inhibitor, LAQ824, in Human Colon Carcinoma Cells and Xenografts. <i>Neoplasia</i> , 2008, 10, 303-313.	5.3	41
42	Proteomic and Metabolomic Analysis of Smooth Muscle Cells Derived From the Arterial Media and Adventitial Progenitors of Apolipoprotein E-Deficient Mice. <i>Circulation Research</i> , 2008, 102, 1046-1056.	4.5	55
43	Transepithelial glucose transport and metabolism in H441 human airway epithelial cells. <i>FASEB Journal</i> , 2008, 22, 764.5.	0.5	0
44	Creatine supplements in patients with idiopathic inflammatory myopathies who are clinically weak after conventional pharmacologic treatment: Six-month, double-blind, randomized, placebo-controlled trial. <i>Arthritis and Rheumatism</i> , 2007, 57, 694-702.	6.7	116
45	A parallel proteomic and metabolomic analysis of the hydrogen peroxide- and Sty1p-dependent stress response in <i>Schizosaccharomyces pombe</i> . <i>Proteomics</i> , 2006, 6, 2772-2796.	2.2	70
46	Hypoxia at the Site of Abdominal Aortic Aneurysm Rupture Is Not Associated with Increased Lactate. <i>Annals of the New York Academy of Sciences</i> , 2006, 1085, 306-310.	3.8	20
47	Metabolic profiling of hypoxia-inducible factor-1 β -deficient and wild type Hepa-1 cells: effects of hypoxia measured by ¹ H magnetic resonance spectroscopy. <i>Metabolomics</i> , 2006, 1, 293-303.	3.0	15
48	Combining proteomics and metabolomics in vascular research. <i>Vascular Pharmacology</i> , 2006, 45, 185.	2.1	0
49	Minimally Invasive Pharmacokinetic and Pharmacodynamic Technologies in Hypothesis-Testing Clinical Trials of Innovative Therapies. <i>Journal of the National Cancer Institute</i> , 2006, 98, 580-598.	6.3	189
50	Noninvasive Magnetic Resonance Spectroscopic Pharmacodynamic Markers of the Choline Kinase Inhibitor MN58b in Human Carcinoma Models. <i>Cancer Research</i> , 2006, 66, 427-434.	0.9	135
51	PKB/Akt induces transcription of enzymes involved in cholesterol and fatty acid biosynthesis via activation of SREBP. <i>Oncogene</i> , 2005, 24, 6465-6481.	5.9	383
52	HIF overexpression correlates with biallelic loss of fumarate hydratase in renal cancer: Novel role of fumarate in regulation of HIF stability. <i>Cancer Cell</i> , 2005, 8, 143-153.	16.8	843
53	Proteomic and Metabolomic Analyses of Atherosclerotic Vessels From Apolipoprotein E-Deficient Mice Reveal Alterations in Inflammation, Oxidative Stress, and Energy Metabolism. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 2135-2142.	2.4	170
54	Tumor Dose Response to the Vascular Disrupting Agent, 5,6-Dimethylxanthenone-4-Acetic Acid, Using In vivo Magnetic Resonance Spectroscopy. <i>Clinical Cancer Research</i> , 2005, 11, 3705-3713.	7.0	33

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55	Accumulation of Krebs cycle intermediates and over-expression of HIF1 α in tumours which result from germline FH and SDH mutations. <i>Human Molecular Genetics</i> , 2005, 14, 2231-2239.	2.9	769
56	Proteomic and Metabolomic Analysis of Vascular Smooth Muscle Cells. <i>Circulation Research</i> , 2004, 94, e87-96.	4.5	49
57	Ischemic preconditioning exaggerates cardiac damage in PKC- δ null mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H946-H956.	3.2	100
58	Loss of PKC- δ alters cardiac metabolism. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H937-H945.	3.2	71
59	Noninvasive Measurements of Capecitabine Metabolism in Bladder Tumors Overexpressing Thymidine Phosphorylase by Fluorine-19 Magnetic Resonance Spectroscopy. <i>Clinical Cancer Research</i> , 2004, 10, 3863-3870.	7.0	19
60	Vascular proteomics: Linking proteomic and metabolomic changes. <i>Proteomics</i> , 2004, 4, 3751-3761.	2.2	73
61	Microdissection: A method developed to investigate mechanisms involved in transmissible spongiform encephalopathy pathogenesis. <i>BMC Infectious Diseases</i> , 2004, 4, 8.	2.9	10
62	Magnetic Resonance Spectroscopic Pharmacodynamic Markers of the Heat Shock Protein 90 Inhibitor 17-Allylamino,17-Demethoxygeldanamycin (17AAG) in Human Colon Cancer Models. <i>Journal of the National Cancer Institute</i> , 2003, 95, 1624-1633.	6.3	89
63	Metabolic changes detected by in vivo magnetic resonance studies of HEPA-1 wild-type tumors and tumors deficient in hypoxia-inducible factor-1beta (HIF-1beta): evidence of an anabolic role for the HIF-1 pathway. <i>Cancer Research</i> , 2002, 62, 688-95.	0.9	86
64	Conflicting MRI signals from gliosis and neuronal vacuolation in prion diseases. <i>NeuroReport</i> , 1999, 10, 3471-3477.	1.2	51
65	Brain bioenergetics in murine models of scrapie using in vivo 31P magnetic resonance spectroscopy. <i>NeuroReport</i> , 1999, 10, 1899-1901.	1.2	7
66	Metabolic Changes Associated with Vacuolation in Murine Models of Scrapie using In Vitro 1H-NMR Spectroscopy. , 1996, 9, 359-363.		2
67	Evaluation of the Corpus Callosum in Clumsy Children Born Prematurely: A Functional and Morphological Study. <i>Neuropediatrics</i> , 1996, 27, 317-322.	0.6	30
68	MRI Assessment of the Blood-Brain Barrier in a Hamster Model of Scrapie. <i>Experimental Neurology</i> , 1995, 4, 203-207.	1.7	21