Julian J Lum

List of Publications by Year
in descending order

52 papers	14,372 citations	201674 27 h-index	182427 51 g-index
56 all docs	56 docs citations	56 times ranked	27631 citing authors

#	Article	IF	Citations
1	Group and Basis Restricted Non-Negative Matrix Factorization and Random Forest for Molecular Histotype Classification and Raman Biomarker Monitoring in Breast Cancer. Applied Spectroscopy, 2022, 76, 462-474.	2.2	9
2	Clinically relevant TÂcell expansion media activate distinct metabolic programs uncoupled from cellular function. Molecular Therapy - Methods and Clinical Development, 2022, 24, 380-393.	4.1	12
3	Ubiquitinating the way to T cell metabolism. Journal of Cell Biology, 2022, 221, .	5.2	0
4	Bioengineered tissue models for the development of dynamic immuno-associated tumor models and high-throughput immunotherapy cytotoxicity assays. Drug Discovery Today, 2021, 26, 455-473.	6.4	2
5	Raman spectroscopy and group and basis-restricted non negative matrix factorisation identifies radiation induced metabolic changes in human cancer cells. Scientific Reports, 2021, 11, 3853.	3.3	16
6	1-Methylnicotinamide is an immune regulatory metabolite in human ovarian cancer. Science Advances, 2021, 7, .	10.3	46
7	Monitor Ionizing Radiation-Induced Cellular Responses with Raman Spectroscopy, Non-Negative Matrix Factorization, and Non-Negative Least Squares. Applied Spectroscopy, 2020, 74, 701-711.	2.2	14
8	Raman spectroscopy detects metabolic signatures of radiation response and hypoxic fluctuations in non-small cell lung cancer. BMC Cancer, 2019, 19, 474.	2.6	9
9	Autophagy Regulation of Metabolism Is Required for CD8+ T Cell Anti-tumor Immunity. Cell Reports, 2019, 27, 502-513.e5.	6.4	134
10	Haralick texture feature analysis for quantifying radiation response heterogeneity in murine models observed using Raman spectroscopic mapping. PLoS ONE, 2019, 14, e0212225.	2.5	11
11	Understanding lymphocyte metabolism for use in cancer immunotherapy. FEBS Journal, 2018, 285, 2567-2578.	4.7	11
12	Ex Vivo Detection of Circulating Tumor Cells from Whole Blood by Direct Nanoparticle Visualization. ACS Nano, 2018, 12, 1902-1909.	14.6	30
13	Raman Spectroscopic Signatures Reveal Distinct Biochemical and Temporal Changes in Irradiated Human Breast Adenocarcinoma Xenografts. Radiation Research, 2018, 189, 497.	1.5	19
14	Breast cancer subtype specific biochemical responses to radiation. Analyst, The, 2018, 143, 3850-3858.	3.5	18
15	Autophagy Inhibition Enhances Sunitinib Efficacy in Clear Cell Ovarian Carcinoma. Molecular Cancer Research, 2017, 15, 250-258.	3.4	52
16	STAT3 Regulation of Citrate Synthase Is Essential during the Initiation of Lymphocyte Cell Growth. Cell Reports, 2017, 19, 910-918.	6.4	30
17	Mutational Analysis of Gene Fusions Predicts Novel MHC Class Iâ€“Restricted T-Cell Epitopes and Immune Signatures in a Subset of Prostate Cancer. Clinical Cancer Research, 2017, 23, 7596-7607.	7.0	14
18	Immune Modulation by Androgen Deprivation and Radiation Therapy: Implications for Prostate Cancer Immunotherapy. Cancers, 2017, 9, 13.	3.7	40

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19	Radiation generates an abscopal response and complete resolution of metastatic squamous cell carcinoma of the anal canal: a case report. Journal of Gastrointestinal Oncology, 2017, 8, E84-E89.	1.4	11
20	Raman spectroscopy identifies radiation response in human non-small cell lung cancer xenografts. Scientific Reports, 2016, 6, 21006.	3.3	57
21	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
22	A Raman Spectroscopic Study of Cell Response to Clinical Doses of Ionizing Radiation. Applied Spectroscopy, 2015, 69, 193-204.	2.2	46
23	Radiation-Induced Glycogen Accumulation Detected by Single Cell Raman Spectroscopy Is Associated with Radioresistance that Can Be Reversed by Metformin. PLoS ONE, 2015, 10, e0135356.	2.5	28
24	Survival of Effector CD8+ T Cells during Influenza Infection Is Dependent on Autophagy. Journal of Immunology, 2015, 194, 4277-4286.	0.8	59
25	Precision autophagy: Will the next wave of selective autophagy markers and specific autophagy inhibitors feed clinical pipelines?. Autophagy, 2015, 11, 1949-1952.	9.1	17
26	Strategies to Block Autophagy in Tumor Cells. , 2014, , 121-130.		3
27	Tumor vascularity in ovarian cancer. OncoImmunology, 2014, 3, e28272.	4.6	2
28	Tumor-associated autoantibodies correlate with poor outcome in prostate cancer patients treated with androgen deprivation and external beam radiation therapy. OncoImmunology, 2014, 3, e29243.	4.6	10
29	Quantification of a Proteotypic Peptide from Protein C Inhibitor by Liquid Chromatographyâ€“Free SISCAPA-MALDI Mass Spectrometry: Application to Identification of Recurrence of Prostate Cancer. Clinical Chemistry, 2013, 59, 1514-1522.	3.2	48
30	Markers of T Cell Infiltration and Function Associate with Favorable Outcome in Vascularized High-Grade Serous Ovarian Carcinoma. PLoS ONE, 2013, 8, e82406.	2.5	22
31	Implications of Therapy-Induced Selective Autophagy on Tumor Metabolism and Survival. International Journal of Cell Biology, 2012, 2012, 1-11.	2.5	15
32	Autophagy inhibition in cancer therapy: metabolic considerations for antitumor immunity. Immunological Reviews, 2012, 249, 176-194.	6.0	87
33	The autophagy protein <scp>LC3A</scp> correlates with hypoxia and is a prognostic marker of patient survival in clear cell ovarian cancer. Journal of Pathology, 2012, 228, 437-447.	4.5	49
34	When Cells Suffocate: Autophagy in Cancer and Immune Cells under Low Oxygen. International Journal of Cell Biology, 2011, 2011, 1-13.	2.5	30
35	Measurements of Tumor Cell Autophagy Predict Invasiveness, Resistance to Chemotherapy, and Survival in Melanoma. Clinical Cancer Research, 2011, 17, 3478-3489.	7.0	213
36	Opening a new DOR to autophagy. EMBO Reports, 2010, 11, 4-5.	4.5	3

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37	Ars2 Links the Nuclear Cap-Binding Complex to RNA Interference and Cell Proliferation. Cell, 2009, 138, 328-339.	28.9	177
38	The Biology of Cancer: Metabolic Reprogramming Fuels Cell Growth and Proliferation. Cell Metabolism, 2008, 7, 11-20.	16.2	3,421
39	Systemic Treatment with the Antidiabetic Drug Metformin Selectively Impairs p53-Deficient Tumor Cell Growth. Cancer Research, 2007, 67, 6745-6752.	0.9	835
40	Autophagy inhibition enhances therapy-induced apoptosis in a Myc-induced model of lymphoma. Journal of Clinical Investigation, 2007, 117, 326-336.	8.2	983
41	The transcription factor HIF-1Î± plays a critical role in the growth factor-dependent regulation of both aerobic and anaerobic glycolysis. Genes and Development, 2007, 21, 1037-1049.	5.9	340
42	Phosphatidylinositol 3-Kinase-dependent Modulation of Carnitine Palmitoyltransferase 1A Expression Regulates Lipid Metabolism during Hematopoietic Cell Growth*. Journal of Biological Chemistry, 2006, 281, 37372-37380.	3.4	191
43	Acquired T-cell sensitivity to TRAIL mediated killing during HIV infection is regulated by CXCR4-gp120 interactions. Aids, 2005, 19, 1125-1133.	2.2	26
44	Autophagy in metazoans: cell survival in the land of plenty. Nature Reviews Molecular Cell Biology, 2005, 6, 439-448.	37.0	712
45	Elimination of Senescent Neutrophils by TNF-Related Apoptosis-Inducing Ligand. Journal of Immunology, 2005, 175, 1232-1238.	0.8	68
46	Growth Factor Regulation of Autophagy and Cell Survival in the Absence of Apoptosis. Cell, 2005, 120, 237-248.	28.9	1,364
47	Antiretroviral therapy influences cellular susceptibility to apoptosis in vivo. Frontiers in Bioscience - Landmark, 2004, 9, 338.	3.0	11
48	Differential Effects of Interleukin-7 and Interleukin-15 on NK Cell Anti-Human Immunodeficiency Virus Activity. Journal of Virology, 2004, 78, 6033-6042.	3.4	54
49	Cytokine stimulation of aerobic glycolysis in hematopoietic cells exceeds proliferative demand. FASEB Journal, 2004, 18, 1303-1305.	0.5	157
50	Resistance to Apoptosis: Mechanism for the Development of HIV Reservoirs. Current HIV Research, 2003, 1, 261-274.	0.5	24
51	Induction of Cell Death in Human Immunodeficiency Virus-Infected Macrophages and Resting Memory CD4 T Cells by TRAIL/Apo2L. Journal of Virology, 2001, 75, 11128-11136.	3.4	106
52	Intermittent Fasting in Cancer: a Role in Survivorship?. Current Nutrition Reports, 0, , .	4.3	0