

# Hon S Leong

## List of Publications by Year in descending order

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Version: 2024-02-01

92  
papers

2,667  
citations

159585

30  
h-index

189892

50  
g-index

98  
all docs

98  
docs citations

98  
times ranked

5631  
citing authors

#	ARTICLE	IF	CITATIONS
1	Invadopodia Are Required for Cancer Cell Extravasation and Are a Therapeutic Target for Metastasis. <i>Cell Reports</i> , 2014, 8, 1558-1570.	6.4	310
2	On the issue of transparency and reproducibility in nanomedicine. <i>Nature Nanotechnology</i> , 2019, 14, 629-635.	31.5	149
3	Intravital imaging of embryonic and tumor neovasculature using viral nanoparticles. <i>Nature Protocols</i> , 2010, 5, 1406-1417.	12.0	129
4	The interaction between caveolin-1 and Rho-GTPases promotes metastasis by controlling the expression of alpha5-integrin and the activation of Src, Ras and Erk. <i>Oncogene</i> , 2012, 31, 884-896.	5.9	102
5	Structural and Molecular Mechanisms of Cytokine-Mediated Endocrine Resistance in Human Breast Cancer Cells. <i>Molecular Cell</i> , 2017, 65, 1122-1135.e5.	9.7	99
6	Translational models of prostate cancer bone metastasis. <i>Nature Reviews Urology</i> , 2018, 15, 403-421.	3.8	88
7	Probiotic <i>Lactobacillus rhamnosus</i> Reduces Organophosphate Pesticide Absorption and Toxicity to <i>Drosophila melanogaster</i> . <i>Applied and Environmental Microbiology</i> , 2016, 82, 6204-6213.	3.1	83
8	Prostate extracellular vesicles in patient plasma as a liquid biopsy platform for prostate cancer using nanoscale flow cytometry. <i>Oncotarget</i> , 2016, 7, 8839-8849.	1.8	80
9	Targeting of CCBE1 by miR-330-3p in human breast cancer promotes metastasis. <i>British Journal of Cancer</i> , 2017, 116, 1350-1357.	6.4	78
10	Re-examining the Size/Charge Paradigm: Differing in Vivo Characteristics of Size- and Charge-Matched Mesoporous Silica Nanoparticles. <i>Journal of the American Chemical Society</i> , 2013, 135, 16030-16033.	13.7	77
11	Neonicotinoid-induced pathogen susceptibility is mitigated by <i>Lactobacillus plantarum</i> immune stimulation in a <i>Drosophila melanogaster</i> model. <i>Scientific Reports</i> , 2017, 7, 2703.	3.3	77
12	Differential Functional Roles of ALDH1A1 and ALDH1A3 in Mediating Metastatic Behavior and Therapy Resistance of Human Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2039.	4.1	70
13	The Insulin-Like Growth Factor I Receptor Is Required for Akt Activation and Suppression of Anoikis in Cells Transformed by the ETV6-NTRK3 Chimeric Tyrosine Kinase. <i>Molecular and Cellular Biology</i> , 2006, 26, 1754-1769.	2.3	65
14	Immunoaffinity based methods are superior to kits for purification of prostate derived extracellular vesicles from plasma samples. <i>Prostate</i> , 2017, 77, 1335-1343.	2.3	60
15	Quantification of cancer cell extravasation in vivo. <i>Nature Protocols</i> , 2016, 11, 937-948.	12.0	58
16	Cellular heterogeneity profiling by hyaluronan probes reveals an invasive but slow-growing breast tumor subset. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1731-E1739.	7.1	52
17	Matrix metalloproteinases and tissue inhibitors of metalloproteinases in coxsackievirus-induced myocarditis. <i>Cardiovascular Pathology</i> , 2006, 15, 63-74.	1.6	51
18	Plasma extracellular vesicles as phenotypic biomarkers in prostate cancer patients. <i>Prostate</i> , 2019, 79, 1767-1776.	2.3	51

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19	Invadopodia are chemosensing protrusions that guide cancer cell extravasation to promote brain tropism in metastasis. <i>Oncogene</i> , 2019, 38, 3598-3615.	5.9	51
20	Accelerated rates of glycolysis in the hypertrophied heart: are they a methodological artifact?. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002, 282, E1039-E1045.	3.5	47
21	Vimentin autoantibodies induce platelet activation and formation of platelet-leukocyte conjugates via platelet-activating factor. <i>Journal of Leukocyte Biology</i> , 2008, 83, 263-271.	3.3	46
22	SNX9 promotes metastasis by enhancing cancer cell invasion via differential regulation of RhoGTPases. <i>Molecular Biology of the Cell</i> , 2016, 27, 1409-1419.	2.1	46
23	KISS1R Induces Invasiveness of Estrogen Receptor-Negative Human Mammary Epithelial and Breast Cancer Cells. <i>Endocrinology</i> , 2013, 154, 1999-2014.	2.8	44
24	Glypican-1 and glycoprotein 2 bearing extracellular vesicles do not discern pancreatic cancer from benign pancreatic diseases. <i>Oncotarget</i> , 2019, 10, 1045-1055.	1.8	41
25	Prevalent Homozygous Deletions of Type I Interferon and Defensin Genes in Human Cancers Associate with Immunotherapy Resistance. <i>Clinical Cancer Research</i> , 2018, 24, 3299-3308.	7.0	37
26	Nanoscale flow cytometry to distinguish subpopulations of prostate extracellular vesicles in patient plasma. <i>Prostate</i> , 2019, 79, 592-603.	2.3	36
27	FUS-CHOP Promotes Invasion in Myxoid Liposarcoma through a SRC/FAK/RHO/ROCK-Dependent Pathway. <i>Neoplasia</i> , 2018, 20, 44-56.	5.3	35
28	Analytical Considerations in Nanoscale Flow Cytometry of Extracellular Vesicles to Achieve Data Linearity. <i>Thrombosis and Haemostasis</i> , 2018, 118, 1612-1624.	3.4	34
29	Fibroblast Growth Factor Receptor-Dependent and -Independent Paracrine Signaling by Sunitinib-Resistant Renal Cell Carcinoma. <i>Molecular and Cellular Biology</i> , 2016, 36, 1836-1855.	2.3	33
30	Stage of Breast Cancer Progression Influences Cellular Response to Activation of the WNT/Planar Cell Polarity Pathway. <i>Scientific Reports</i> , 2014, 4, 6315.	3.3	32
31	BRCA2 inhibition enhances cisplatin-mediated alterations in tumor cell proliferation, metabolism, and metastasis. <i>Molecular Oncology</i> , 2014, 8, 1429-1440.	4.6	32
32	Less is more: low expression of MT1-MMP is optimal to promote migration and tumourigenesis of breast cancer cells. <i>Molecular Cancer</i> , 2016, 15, 65.	19.2	32
33	Assessing Cancer Cell Migration and Metastatic Growth In Vivo in the Chick Embryo Using Fluorescence Intravital Imaging. <i>Methods in Molecular Biology</i> , 2012, 872, 1-14.	0.9	30
34	Repurposing Albendazole: new potential as a chemotherapeutic agent with preferential activity against HPV-negative head and neck squamous cell cancer. <i>Oncotarget</i> , 2017, 8, 71512-71519.	1.8	29
35	Human 21T breast epithelial cell lines mimic breast cancer progression in vivo and in vitro and show stage-specific gene expression patterns. <i>Laboratory Investigation</i> , 2010, 90, 1247-1258.	3.7	28
36	TBX3 promotes progression of pre-invasive breast cancer cells by inducing EMT and directly up-regulating SLUG. <i>Journal of Pathology</i> , 2019, 248, 191-203.	4.5	28

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37	Inhibition of endogenous hydrogen sulfide production in clear-cell renal cell carcinoma cell lines and xenografts restricts their growth, survival and angiogenic potential. Nitric Oxide - Biology and Chemistry, 2015, 49, 26-39.	2.7	27
38	Image-guided mathematical modeling for pharmacological evaluation of nanomaterials and monoclonal antibodies. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2020, 12, e1628.	6.1	24
39	Cyclin A2, a novel regulator of EMT. Cellular and Molecular Life Sciences, 2014, 71, 4881-4894.	5.4	23
40	The transcriptional regulator TBX3 promotes progression from non-invasive to invasive breast cancer. BMC Cancer, 2016, 16, 671.	2.6	23
41	The role of extracellular vesicles in cancer microenvironment and metastasis: myths and challenges. Biochemical Society Transactions, 2019, 47, 273-280.	3.4	21
42	RSPO3 is a prognostic biomarker and mediator of invasiveness in prostate cancer. Journal of Translational Medicine, 2019, 17, 125.	4.4	19
43	Fortifying Angiogenesis in Ischemic Muscle with FGF9-loaded Electrospun Poly(Ester Amide) Fibers. Advanced Healthcare Materials, 2019, 8, e1801294.	7.6	19
44	The Emerging Role of Extracellular Vesicles in the Glioma Microenvironment: Biogenesis and Clinical Relevance. Cancers, 2020, 12, 1964.	3.7	19
45	Lestaurtinib is a potent inhibitor of anaplastic thyroid cancer cell line models. PLoS ONE, 2018, 13, e0207152.	2.5	18
46	Clinical significance of STEAP1 extracellular vesicles in prostate cancer. Prostate Cancer and Prostatic Diseases, 2021, 24, 802-811.	3.9	16
47	Gender and post-ischemic recovery of hypertrophied rat hearts. BMC Cardiovascular Disorders, 2006, 6, 8.	1.7	15
48	Hypoxia promotes tumor cell motility via RhoA and ROCK1 signaling pathways. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 887-888.	7.1	15
49	Drosophila melanogaster as a function-based high-throughput screening model for anti-nephrolithiasis agents in kidney stone patients. DMM Disease Models and Mechanisms, 2018, 11, .	2.4	15
50	Imaging the Impact of Chemically Inducible Proteins on Cellular Dynamics In Vivo. PLoS ONE, 2012, 7, e30177.	2.5	12
51	Novel Methods of Determining Urinary Calculi Composition: Petrographic Thin Sectioning of Calculi and Nanoscale Flow Cytometry Urinalysis. Scientific Reports, 2016, 6, 19328.	3.3	10
52	A prospective feasibility study evaluating the role of multimodality imaging and liquid biopsy for response assessment in locally advanced rectal carcinoma. Abdominal Radiology, 2019, 44, 3641-3651.	2.1	9
53	Cancer dissemination from a physical sciences perspective. Convergent Science Physical Oncology, 2016, 2, 023001.	2.6	8
54	Caveolin-1 Y14 phosphorylation suppresses tumor growth while promoting invasion. Oncotarget, 2019, 10, 6668-6677.	1.8	8

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55	The cytoplasmic domain of MT1-MMP is dispensable for migration augmentation but necessary to mediate viability of MCF-7 breast cancer cells. <i>Experimental Cell Research</i> , 2017, 350, 169-183.	2.6	5
56	Evaluating the Effectiveness of Cancer Drug Sensitization & In Vitro and & In Vivo. <i>Journal of Visualized Experiments</i> , 2015, .	0.3	2
57	Patient-derived xenografts in surgical oncology: A short research review. <i>Surgery</i> , 2020, 168, 1021-1025.	1.9	2
58	MP74-16 ENUMERATION OF PROSTATE CANCER MICROPARTICLES AS A TOOL TO IDENTIFY PROSTATE CANCER. <i>Journal of Urology</i> , 2014, 191, .	0.4	0
59	MP35-15 DEVELOPING A PATIENT-DERIVED XENOGRAFT MODEL USING CHICKEN EMBRYOS TO PREDICT TARGETED THERAPY TUMOR RESISTANCE IN RENAL CELL CARCINOMAS. <i>Journal of Urology</i> , 2014, 191, .	0.4	0
60	PD33-01 THE VIABILITY, METABOLISM AND VASCULARIZATION OF RENAL CELL CARCINOMA CELL LINES AND XENOGRAFTS CAN BE TARGETED THROUGH INHIBITION OF ENDOGENOUS HYDROGEN SULFIDE PRODUCTION. <i>Journal of Urology</i> , 2015, 193, .	0.4	0
61	MP34-07 INTRAVITAL IMAGING OF THE DROSOPHILA MELANOGASTER MODEL OF HUMAN NEPHROLITHIASIS. <i>Journal of Urology</i> , 2015, 193, .	0.4	0
62	MP67-05 CHARACTERIZATION OF THE MICROBIOTA ASSOCIATED WITH DROSOPHILA MODELS OF NEPHROLITHIASIS. <i>Journal of Urology</i> , 2016, 195, .	0.4	0
63	MP67-09 HIGH-THROUGHPUT AND NON-INVASIVE FUNCTIONAL DRUG SCREENING PLATFORM FOR DROSOPHILA MELANOGASTER MODELS OF NEPHROLITHIASIS. <i>Journal of Urology</i> , 2016, 195, .	0.4	0
64	MP66-09 INVADOPODIA ARE CRITICAL FOR PROSTATE CANCER METASTASIS. <i>Journal of Urology</i> , 2016, 195, .	0.4	0
65	Editorial Comment for Yoshino et al.: Image-Guided Research in the Clinic to Reduce Surgical Margins. <i>Journal of Endourology</i> , 2017, 31, 395-396.	2.1	0
66	PD04-12 CLINICAL CORRELATION OF PATIENT-DERIVED XENOGRAFT MODEL USING THE EX-OVO AVIAN EMBRYO TO PREDICT TARGETED THERAPY TUMOR RESISTANCE IN RENAL CELL CARCINOMA. <i>Journal of Urology</i> , 2017, 197, .	0.4	0
67	MP73-06 DRUG RESISTANCE CONSEQUENCES OF TUMOR HETEROGENEITY IN METASTATIC RENAL CELL CARCINOMA USING ULTRA-FAST PATIENT DERIVED XENOGRAFTS AND MULTIREGIONAL GENOMIC SEQUENCING. <i>Journal of Urology</i> , 2017, 197, .	0.4	0
68	PD65-02 ONCOSOMES AS A NOVEL LIQUID BIOPSY BIOMARKER FOR QUANTIFYING METASTATIC CANCER DYNAMICS IN REAL-TIME. <i>Journal of Urology</i> , 2017, 197, .	0.4	0
69	Reduced variability of contrast-enhanced ultrasound perfusion estimates in a patient-derived xenograft model via analysis of speckle statistics. , 2017, , .		0
70	Reduced variability of CEUS perfusion estimates in a patient-derived xenograft model via analysis of speckle statistics. , 2017, , .		0
71	PD60-10 POLYSIALIC ACID AS A NOVEL CARBOHYDRATE BIOMARKER FOR INTERMEDIATE AND HIGH-RISK PROSTATE CANCER. <i>Journal of Urology</i> , 2018, 199, .	0.4	0
72	PD57-07 RAPID PATIENT DERIVED XENOGRAFTS THAT CONSIDER TUMOR HETEROGENEITY FOR PREDICTION OF CANCER IMMUNOTHERAPY RESPONSES IN METASTATIC RENAL CELL CARCINOMA. <i>Journal of Urology</i> , 2018, 199, .	0.4	0

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73	Exercise increases tissue-type plasminogen activator expression in rat cardiomyocytes. <i>Thrombosis and Haemostasis</i> , 2006, 96, 859-861.	3.4	0
74	Abstract 4329: In vivo visualization of epithelial-mesenchymal transition in real time using a rapidly tuneable E-cadherin. , 2010, , .		0
75	Abstract 968: Invadopodia formation and microparticle release are required for cancer cell extravasation in vivo. , 2011, , .		0
76	Abstract 2367: RhoA GTPase but not cortactin is required for tumor cell migration of human epidermoid carcinoma cells in vivo. , 2011, , .		0
77	Abstract 518: Kisspeptin stimulates invasiveness of ER $\pm$ -negative human mammary epithelial and breast cancer cells.. , 2013, , .		0
78	Abstract 4971: Splicing factor kinase regulates metastatic dissemination of human prostate cancer. , 2014, , .		0
79	Abstract 4716: Discovery of biomarkers from highly enriched prostate cancer microparticles for prognostication of prostate cancer. , 2014, , .		0
80	Abstract 3119: Predicting drug resistance in metastatic renal cell carcinoma: Personalized medicine by xenografting patient tumors into chicken embryos. , 2014, , .		0
81	Abstract 4972: In vivo whole genome shRNA screen reveals novel targets to block cancer metastasis. , 2014, , .		0
82	Abstract 1687: A BRCA2-targeting antisense oligodeoxynucleotide enhances cisplatin effectiveness by decreasing human tumor cell proliferation, metastatic frequency, and metabolic response. , 2014, , .		0
83	Abstract 4055: The transcriptional regulator TBX3 promotes progression of cells representing early premalignant breast cancer. , 2014, , .		0
84	Abstract 3432: A genome-wide shRNA screen for suppressors of prostate cancer cell invasion. , 2014, , .		0
85	Abstract 5099: Abrogation of cancer cell extravasation in renal cell carcinoma PDX lines via invadopodia dysregulation mediated by PAK1 inhibitors. , 2015, , .		0
86	Abstract B02: Ultrasound evaluation of anti-angiogenic therapy on patient-derived renal cell carcinoma xenograft tumors in the chicken embryo model. , 2015, , .		0
87	Development and evaluation of the TrueNTH-Prostate Cancer Canada electronic Library for Improved (urinary and bowel) Function post Treatment (TrueNTH-PCC-eLIFT).. <i>Journal of Clinical Oncology</i> , 2016, 34, 161-161.	1.6	0
88	Abstract A09: PDXovo: Ultra-fast in vivo drug sensitivity matrices for renal cell carcinoma patients prior to administration of targeted therapy. , 2016, , .		0
89	Abstract 2137: JAK2 as a novel therapeutic target in anaplastic thyroid cancer. , 2017, , .		0
90	MP72-15 CHARACTERIZATION OF ONCOLYTIC MEASLES VIRUS IN PATIENT-DERIVED RENAL CELL CARCINOMA XENOGRAFTS GROWN ON CHICKEN CHORIOALLANTOIC MEMBRANES AS A MODEL FOR EARLY METASTATIC DISEASE. <i>Journal of Urology</i> , 2018, 199, .	0.4	0

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91	MP72-14 IDENTIFYING THE SPATIO-FUNCTIONAL ORIGINS OF DRUG RESISTANCE WITH RAPID TUMOR XENOGRAFTS. <i>Journal of Urology</i> , 2018, 199, .	0.4	0
92	Size Matters: Identification of Larger Size CD19 Positive Extracellular Vesicles in Chronic Lymphocytic Leukemia That Inhibit Chimeric Antigen Receptor T Cell Functions. <i>Blood</i> , 2018, 132, 1865-1865.	1.4	0