

# Lucian Beer

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

2,181  
citations

279778

23  
h-index

243610

44  
g-index

68  
all docs

68  
docs citations

68  
times ranked

3271  
citing authors

#	ARTICLE	IF	CITATIONS
1	Secretome of Stressed Peripheral Blood Mononuclear Cells Alters Transcriptome Signature in Heart, Liver, and Spleen after an Experimental Acute Myocardial Infarction: An In Silico Analysis. <i>Biology</i> , 2022, 11, 116.	2.8	7
2	Hyperpolarized <sup>13</sup> C-Pyruvate Metabolism as a Surrogate for Tumor Grade and Poor Outcome in Renal Cell Carcinoma—A Proof of Principle Study. <i>Cancers</i> , 2022, 14, 335.	3.7	18
3	Gadoxetic acid-enhanced MRI-derived functional liver imaging score (FLIS) and spleen diameter predict outcomes in ACLD. <i>Journal of Hepatology</i> , 2022, 77, 1005-1013.	3.7	8
4	Author response to Letter to the Editor: MRI-defined sarcopenia predicts mortality in patients with chronic liver disease. <i>Liver International</i> , 2021, 41, 221-222.	3.9	0
5	The Whey Acidic Protein WFDC12 Is Specifically Expressed in Terminally Differentiated Keratinocytes and Regulates Epidermal Serine Protease Activity. <i>Journal of Investigative Dermatology</i> , 2021, 141, 1198-1206.e13.	0.7	12
6	Ultrasound-guided targeted biopsies of CT-based radiomic tumour habitats: technical development and initial experience in metastatic ovarian cancer. <i>European Radiology</i> , 2021, 31, 3765-3772.	4.5	20
7	Common pitfalls and recommendations for using machine learning to detect and prognosticate for COVID-19 using chest radiographs and CT scans. <i>Nature Machine Intelligence</i> , 2021, 3, 199-217.	16.0	607
8	Radioproteomics in patients with ovarian cancer. <i>British Journal of Radiology</i> , 2021, 94, 20201331.	2.2	5
9	Hyperpolarized Carbon-13 MRI for Early Response Assessment of Neoadjuvant Chemotherapy in Breast Cancer Patients. <i>Cancer Research</i> , 2021, 81, 6004-6017.	0.9	25
10	Advancing COVID-19 diagnosis with privacy-preserving collaboration in artificial intelligence. <i>Nature Machine Intelligence</i> , 2021, 3, 1081-1089.	16.0	30
11	PET/MRI versus PET/CT in oncology: a prospective single-center study of 330 examinations focusing on implications for patient management and cost considerations. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 51-60.	6.4	98
12	Rapid Clinical and Radiologic Responses With Larotrectinib Treatment in a Patient With TRK-Fusion–Positive Metastatic Lung Cancer. <i>Clinical Lung Cancer</i> , 2020, 21, e49-e53.	2.6	3
13	Does the Functional Liver Imaging Score Derived from Gadoxetic Acid–enhanced MRI Predict Outcomes in Chronic Liver Disease?. <i>Radiology</i> , 2020, 294, 98-107.	7.3	51
14	Three-Dimensional Printed Molds for Image-Guided Surgical Biopsies: An Open Source Computational Platform. <i>JCO Clinical Cancer Informatics</i> , 2020, 4, 736-748.	2.1	8
15	Pearls and pitfalls in lung cancer staging. <i>BJR   Open</i> , 2020, 2, 20200019.	0.6	1
16	Correlating Radiomic Features of Heterogeneity on CT with Circulating Tumor DNA in Metastatic Melanoma. <i>Cancers</i> , 2020, 12, 3493.	3.7	18
17	Hyperpolarized <sup>13</sup> C MRI of Tumor Metabolism Demonstrates Early Metabolic Response to Neoadjuvant Chemotherapy in Breast Cancer. <i>Radiology Imaging Cancer</i> , 2020, 2, e200017.	1.6	40
18	Magnetic resonance fingerprinting of the pancreas at 1.5T and 3.0T. <i>Scientific Reports</i> , 2020, 10, 17563.	3.3	12

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19	Peripheral Blood Mononuclear Cell Secretome for Tissue Repair. , 2020, , 667-688.		0
20	MRI-defined sarcopenia predicts mortality in patients with chronic liver disease. Liver International, 2020, 40, 2797-2807.	3.9	27
21	miR-155 Contributes to Normal Keratinocyte Differentiation and Is Upregulated in the Epidermis of Psoriatic Skin Lesions. International Journal of Molecular Sciences, 2020, 21, 9288.	4.1	13
22	Radiomics of computed tomography and magnetic resonance imaging in renal cell carcinoma—a systematic review and meta-analysis. European Radiology, 2020, 30, 3558-3566.	4.5	106
23	Chest CT in patients after lung transplantation: A retrospective analysis to evaluate impact on image quality and radiation dose using spectral filtration tin-filtered imaging. PLoS ONE, 2020, 15, e0228376.	2.5	2
24	Integration of proteomics with CT-based qualitative and radiomic features in high-grade serous ovarian cancer patients: an exploratory analysis. European Radiology, 2020, 30, 4306-4316.	4.5	25
25	Tissue-specific and interpretable sub-segmentation of whole tumour burden on CT images by unsupervised fuzzy clustering. Computers in Biology and Medicine, 2020, 120, 103751.	7.0	27
26	Radiological Signs of Tumor Dissemination. Cancer Dissemination Pathways, 2020, , 35-46.	0.0	1
27	Particular findings on lung CT in patients undergoing immunotherapy for bronchogenic carcinoma. Wiener Klinische Wochenschrift, 2020, 132, 467-474.	1.9	8
28	Integrative radiogenomics for virtual biopsy and treatment monitoring in ovarian cancer. Insights Into Imaging, 2020, 11, 94.	3.4	30
29	Subarachnoid hemorrhage in rats — Visualizing blood distribution in vivo using gadolinium-enhanced magnetic resonance imaging: Technical note. Journal of Neuroscience Methods, 2019, 325, 108370.	2.5	1
30	Interobserver variability impairs radiologic grading of primary graft dysfunction after lung transplantation. Journal of Thoracic and Cardiovascular Surgery, 2019, 158, 955-962.e1.	0.8	10
31	PS-186-Functional liver imaging score derived from gadoxetic acid-enhanced MRI predicts outcomes in patients with advanced chronic liver disease. Journal of Hepatology, 2019, 70, e115.	3.7	1
32	Tissue-regenerative potential of the secretome of $^{137}\text{Cs}$ -irradiated peripheral blood mononuclear cells is mediated via TNFRSF1B-induced necroptosis. Cell Death and Disease, 2019, 10, 729.	6.3	26
33	The Differentiation-Associated Keratinocyte Protein Cornifelin Contributes to Cell-Cell Adhesion of Epidermal and Mucosal Keratinocytes. Journal of Investigative Dermatology, 2019, 139, 2292-2301.e9.	0.7	19
34	Inter- and intra-reader agreement for gadoxetic acid-enhanced MRI parameter readings in patients with chronic liver diseases. European Radiology, 2019, 29, 6600-6610.	4.5	19
35	Objective and subjective comparison of virtual monoenergetic vs. polychromatic images in patients with pancreatic ductal adenocarcinoma. European Radiology, 2019, 29, 3617-3625.	4.5	35
36	Comparison of RECIST, iRECIST, and PERCIST for the Evaluation of Response to PD-1/PD-L1 Blockade Therapy in Patients With Non-Small Cell Lung Cancer. Clinical Nuclear Medicine, 2019, 44, 535-543.	1.3	48

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37	4D perfusion CT of prostate cancer for image-guided radiotherapy planning: A proof of concept study. PLoS ONE, 2019, 14, e0225673.	2.5	3
38	Pitfalls in the radiological response—assessment of immunotherapy. Memo - Magazine of European Medical Oncology, 2018, 11, 138-143.	0.5	59
39	OLR1 scavenger receptor knockdown affects mitotic gene expression but is dispensable for oxidized phospholipid-mediated stress signaling in SZ 95 sebocytes. Mechanisms of Ageing and Development, 2018, 172, 35-44.	4.6	2
40	Different pro-angiogenic potential of $\beta$ -irradiated PBMC-derived secretome and its subfractions. Scientific Reports, 2018, 8, 18016.	3.3	33
41	Acid bone lysate activates TGF $\beta$ 2 signalling in human oral fibroblasts. Scientific Reports, 2018, 8, 16065.	3.3	23
42	Peripheral Blood Mononuclear Cell Secretome for Tissue Repair. , 2018, , 1-22.		1
43	Peripheral Blood Mononuclear Cell Secretome for Tissue Repair. , 2018, , 1-22.		0
44	Ionizing radiation regulates long non-coding RNAs in human peripheral blood mononuclear cells. Journal of Radiation Research, 2017, 58, 201-209.	1.6	23
45	Elevated CRP levels predict poor outcome and tumor recurrence in patients with thymic epithelial tumors: A pro- and retrospective analysis. Oncotarget, 2017, 8, 47090-47102.	1.8	25
46	Analysis of region specific gene expression patterns in the heart and systemic responses after experimental myocardial ischemia. Oncotarget, 2017, 8, 60809-60825.	1.8	18
47	Cell secretome based drug substances in regenerative medicine: when regulatory affairs meet basic science. Annals of Translational Medicine, 2017, 5, 170-170.	1.7	75
48	Peripheral blood mononuclear cell secretome for tissue repair. Apoptosis: an International Journal on Programmed Cell Death, 2016, 21, 1336-1353.	4.9	74
49	Dying blood mononuclear cell secretome exerts antimicrobial activity. European Journal of Clinical Investigation, 2016, 46, 853-863.	3.4	29
50	Paracrine Factors from Irradiated Peripheral Blood Mononuclear Cells Improve Skin Regeneration and Angiogenesis in a Porcine Burn Model. Scientific Reports, 2016, 6, 25168.	3.3	41
51	Is Selective Pulmonary Perfusion Required to Mitigate Lung Injury Postcardiopulmonary Bypass?. Anesthesia and Analgesia, 2016, 123, 1334-1334.	2.2	1
52	Analysis of the Secretome of Apoptotic Peripheral Blood Mononuclear Cells: Impact of Released Proteins and Exosomes for Tissue Regeneration. Scientific Reports, 2015, 5, 16662.	3.3	103
53	Development of Blood and Lymphatic Endothelial Cells in Embryonic and Fetal Human Skin. American Journal of Pathology, 2015, 185, 2563-2574.	3.8	10
54	Intraoperative ventilation strategy during cardiopulmonary bypass attenuates the release of matrix metalloproteinases and improves oxygenation. Journal of Surgical Research, 2015, 195, 294-302.	1.6	25

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55	Bioinformatics approach for choosing the correct reference genes when studying gene expression in human keratinocytes. <i>Experimental Dermatology</i> , 2015, 24, 742-747.	2.9	17
56	Secretomes of apoptotic mononuclear cells ameliorate neurological damage in rats with focal ischemia. <i>F1000Research</i> , 2014, 3, 131.	1.6	40
57	Myocardial infarct size measurement using geometric angle calculation. <i>European Journal of Clinical Investigation</i> , 2014, 44, 160-167.	3.4	8
58	Low Tidal Volume Ventilation during Cardiopulmonary Bypass Reduces Postoperative Chemokine Serum Concentrations. <i>Thoracic and Cardiovascular Surgeon</i> , 2014, 62, 677-682.	1.0	22
59	High dose ionizing radiation regulates micro RNA and gene expression changes in human peripheral blood mononuclear cells. <i>BMC Genomics</i> , 2014, 15, 814.	2.8	41
60	Circulating Heat Shock Protein 27 as a Biomarker for the Differentiation of Patients with Lung Cancer and Healthy Controls - A Clinical Comparison of. <i>Clinical Laboratory</i> , 2014, 60, 999-1006.	0.5	14
61	Continued mechanical ventilation during coronary artery bypass graft operation attenuates the systemic immune response. <i>European Journal of Cardio-thoracic Surgery</i> , 2013, 44, 282-287.	1.4	23
62	Anti-Thymocyte Globulin Induces Neoangiogenesis and Preserves Cardiac Function after Experimental Myocardial Infarction. <i>PLoS ONE</i> , 2012, 7, e52101.	2.5	17
63	Intravenous and intramyocardial injection of apoptotic white blood cell suspensions prevents ventricular remodelling by increasing elastin expression in cardiac scar tissue after myocardial infarction. <i>Basic Research in Cardiology</i> , 2011, 106, 645-655.	5.9	71
64	Clinically Interpretable Radiomics-Based Prediction of Histopathologic Response to Neoadjuvant Chemotherapy in High-Grade Serous Ovarian Carcinoma. <i>Frontiers in Oncology</i> , 0, 12, .	2.8	12