

# Lucian Beer

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

2,181  
citations

279798

23  
h-index

243625

44  
g-index

68  
all docs

68  
docs citations

68  
times ranked

3271  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Radiomics of computed tomography and magnetic resonance imaging in renal cell carcinoma—a systematic review and meta-analysis. <i>European Radiology</i> , 2020, 30, 3558-3566.	4.5	106
3	Analysis of the Secretome of Apoptotic Peripheral Blood Mononuclear Cells: Impact of Released Proteins and Exosomes for Tissue Regeneration. <i>Scientific Reports</i> , 2015, 5, 16662.	3.3	103
4	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
5	Cell secretome based drug substances in regenerative medicine: when regulatory affairs meet basic science. <i>Annals of Translational Medicine</i> , 2017, 5, 170-170.	1.7	75
6	Peripheral blood mononuclear cell secretome for tissue repair. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2016, 21, 1336-1353.	4.9	74
7	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
8	Pitfalls in the radiological response—assessment of immunotherapy. <i>Memo - Magazine of European Medical Oncology</i> , 2018, 11, 138-143.	0.5	59
9	Does the Functional Liver Imaging Score Derived from Gadoteric Acid—enhanced MRI Predict Outcomes in Chronic Liver Disease?. <i>Radiology</i> , 2020, 294, 98-107.	7.3	51
10	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. <i>Clinical Nuclear Medicine</i> , 2019, 44, 535-543.	1.3	48
11	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
12	Paracrine Factors from Irradiated Peripheral Blood Mononuclear Cells Improve Skin Regeneration and Angiogenesis in a Porcine Burn Model. <i>Scientific Reports</i> , 2016, 6, 25168.	3.3	41
13	Secretomes of apoptotic mononuclear cells ameliorate neurological damage in rats with focal ischemia. <i>F1000Research</i> , 2014, 3, 131.	1.6	40
14	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
15	Objective and subjective comparison of virtual monoenergetic vs. polychromatic images in patients with pancreatic ductal adenocarcinoma. <i>European Radiology</i> , 2019, 29, 3617-3625.	4.5	35
16	Different pro-angiogenic potential of <sup>13</sup> Ir-irradiated PBMC-derived secretome and its subfractions. <i>Scientific Reports</i> , 2018, 8, 18016.	3.3	33
17	Integrative radiogenomics for virtual biopsy and treatment monitoring in ovarian cancer. <i>Insights Into Imaging</i> , 2020, 11, 94.	3.4	30
18	Advancing COVID-19 diagnosis with privacy-preserving collaboration in artificial intelligence. <i>Nature Machine Intelligence</i> , 2021, 3, 1081-1089.	16.0	30

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19	Dying blood mononuclear cell secretome exerts antimicrobial activity. <i>European Journal of Clinical Investigation</i> , 2016, 46, 853-863.	3.4	29
20	MRI-defined sarcopenia predicts mortality in patients with chronic liver disease. <i>Liver International</i> , 2020, 40, 2797-2807.	3.9	27
21	Tissue-specific and interpretable sub-segmentation of whole tumour burden on CT images by unsupervised fuzzy clustering. <i>Computers in Biology and Medicine</i> , 2020, 120, 103751.	7.0	27
22	Tissue-regenerative potential of the secretome of $\hat{1}^3$ -irradiated peripheral blood mononuclear cells is mediated via TNFRSF1B-induced necroptosis. <i>Cell Death and Disease</i> , 2019, 10, 729.	6.3	26
23	Intraoperative ventilation strategy during cardiopulmonary bypass attenuates the release of matrix metalloproteinases and improves oxygenation. <i>Journal of Surgical Research</i> , 2015, 195, 294-302.	1.6	25
24	Integration of proteomics with CT-based qualitative and radiomic features in high-grade serous ovarian cancer patients: an exploratory analysis. <i>European Radiology</i> , 2020, 30, 4306-4316.	4.5	25
25	Elevated CRP levels predict poor outcome and tumor recurrence in patients with thymic epithelial tumors: A pro- and retrospective analysis. <i>Oncotarget</i> , 2017, 8, 47090-47102.	1.8	25
26	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
27	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
28	Ionizing radiation regulates long non-coding RNAs in human peripheral blood mononuclear cells. <i>Journal of Radiation Research</i> , 2017, 58, 201-209.	1.6	23
29	Acid bone lysate activates TGF $\hat{1}^2$ signalling in human oral fibroblasts. <i>Scientific Reports</i> , 2018, 8, 16065.	3.3	23
30	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
31	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
32	The Differentiation-Associated Keratinocyte Protein Cornifelin Contributes to Cell-Cell Adhesion of Epidermal and Mucosal Keratinocytes. <i>Journal of Investigative Dermatology</i> , 2019, 139, 2292-2301.e9.	0.7	19
33	Inter- and intra-reader agreement for gadoxetic acid-enhanced MRI parameter readings in patients with chronic liver diseases. <i>European Radiology</i> , 2019, 29, 6600-6610.	4.5	19
34	Correlating Radiomic Features of Heterogeneity on CT with Circulating Tumor DNA in Metastatic Melanoma. <i>Cancers</i> , 2020, 12, 3493.	3.7	18
35	Analysis of region specific gene expression patterns in the heart and systemic responses after experimental myocardial ischemia. <i>Oncotarget</i> , 2017, 8, 60809-60825.	1.8	18
36	Hyperpolarized $^{13}C$ -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

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37	Anti-Thymocyte Globulin Induces Neoangiogenesis and Preserves Cardiac Function after Experimental Myocardial Infarction. <i>PLoS ONE</i> , 2012, 7, e52101.	2.5	17
38	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
39	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
40	miR-155 Contributes to Normal Keratinocyte Differentiation and Is Upregulated in the Epidermis of Psoriatic Skin Lesions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9288.	4.1	13
41	Magnetic resonance fingerprinting of the pancreas at 1.5T and 3.0T. <i>Scientific Reports</i> , 2020, 10, 17563.	3.3	12
42	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
43	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
44	Development of Blood and Lymphatic Endothelial Cells in Embryonic and Fetal Human Skin. <i>American Journal of Pathology</i> , 2015, 185, 2563-2574.	3.8	10
45	Interobserver variability impairs radiologic grading of primary graft dysfunction after lung transplantation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 158, 955-962.e1.	0.8	10
46	Myocardial infarct size measurement using geometric angle calculation. <i>European Journal of Clinical Investigation</i> , 2014, 44, 160-167.	3.4	8
47	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
48	Particular findings on lung CT in patients undergoing immunotherapy for bronchogenic carcinoma. <i>Wiener Klinische Wochenschrift</i> , 2020, 132, 467-474.	1.9	8
49	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
50	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
51	Radioproteomics in patients with ovarian cancer. <i>British Journal of Radiology</i> , 2021, 94, 20201331.	2.2	5
52	4D perfusion CT of prostate cancer for image-guided radiotherapy planning: A proof of concept study. <i>PLoS ONE</i> , 2019, 14, e0225673.	2.5	3
53	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
54	OLR1 scavenger receptor knockdown affects mitotic gene expression but is dispensable for oxidized phospholipid-mediated stress signaling in SZ 95 sebocytes. <i>Mechanisms of Ageing and Development</i> , 2018, 172, 35-44.	4.6	2

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55	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
56	Is Selective Pulmonary Perfusion Required to Mitigate Lung Injury Postcardiopulmonary Bypass?. Anesthesia and Analgesia, 2016, 123, 1334-1334.	2.2	1
57	Subarachnoid hemorrhage in rats â€“ Visualizing blood distribution in vivo using gadolinium-enhanced magnetic resonance imaging: Technical note. Journal of Neuroscience Methods, 2019, 325, 108370.	2.5	1
58	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
59	Pearls and pitfalls in lung cancer staging. BJR   Open, 2020, 2, 20200019.	0.6	1
60	Radiological Signs of Tumor Dissemination. Cancer Dissemination Pathways, 2020, , 35-46.	0.0	1
61	Peripheral Blood Mononuclear Cell Secretome for Tissue Repair. , 2018, , 1-22.		1
62	Peripheral Blood Mononuclear Cell Secretome for Tissue Repair. , 2020, , 667-688.		0
63	Author response to Letter to the Editor: MRIâ€defined sarcopenia predicts mortality in patients with chronic liver disease. Liver International, 2021, 41, 221-222.	3.9	0
64	Peripheral Blood Mononuclear Cell Secretome for Tissue Repair. , 2018, , 1-22.		0