

Dale L Bailey

List of Publications by Year in descending order

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95
papers

4,128
citations

147801

31
h-index

118850

62
g-index

97
all docs

97
docs citations

97
times ranked

4899
citing authors

#	ARTICLE	IF	CITATIONS
1	Safety and activity of microRNA-loaded micell in patients with recurrent malignant pleural mesothelioma: a first-in-man, phase 1, open-label, dose-escalation study. <i>Lancet Oncology</i> , The, 2017, 18, 1386-1396.	10.7	508
2	Identification of the Cerebral Loci Processing Human Swallowing With H_2O PET Activation. <i>Journal of Neurophysiology</i> , 1999, 81, 1917-1926.	1.8	338
3	An Evidence-Based Review of Quantitative SPECT Imaging and Potential Clinical Applications. <i>Journal of Nuclear Medicine</i> , 2013, 54, 83-89.	5.0	295
4	Dual Somatostatin Receptor/FDG PET/CT Imaging in Metastatic Neuroendocrine Tumours: Proposal for a Novel Grading Scheme with Prognostic Significance. <i>Theranostics</i> , 2017, 7, 1149-1158.	10.0	201
5	Transmission scanning in emission tomography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1998, 25, 774-787.	6.4	169
6	Quantitative SPECT/CT: SPECT joins PET as a quantitative imaging modality. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 41, 17-25.	6.4	157
7	A multicentre comparison of quantitative ^{90}Y PET/CT for dosimetric purposes after radioembolization with resin microspheres. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 42, 1202-1222.	6.4	131
8	Comparisons of Planar and Tomographic Gamma Scintigraphy to Measure the Penetration Index of Inhaled Aerosols. <i>The American Review of Respiratory Disease</i> , 1989, 139, 1516-1523.	2.9	128
9	Quantitative SPECT reconstruction using CT-derived corrections. <i>Physics in Medicine and Biology</i> , 2008, 53, 3099-3112.	3.0	120
10	V/Q Scanning Using SPECT and SPECT/CT. <i>Journal of Nuclear Medicine</i> , 2013, 54, 1588-1596.	5.0	106
11	A method for measuring the absolute sensitivity of positron emission tomographic scanners. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1991, 18, 374-379.	2.1	105
12	Diagnostic Accuracy of Positron Emission Tomography/Computed Tomography of the Head, Neck, and Chest for Giant Cell Arteritis: A Prospective, Double-blind, Cross-sectional Study. <i>Arthritis and Rheumatology</i> , 2019, 71, 1319-1328.	5.6	97
13	A prospective randomized multicentre study of the impact of gallium-68 prostate-specific membrane antigen (PSMA) PET/CT imaging for staging high-risk prostate cancer prior to curative-intent surgery or radiotherapy (proPSMA study): clinical trial protocol. <i>BJU International</i> , 2018, 122, 783-793.	2.5	96
14	SPECT/CT imaging using a spiral CT scanner for anatomical localization: Impact on diagnostic accuracy and reporter confidence in clinical practice. <i>Nuclear Medicine Communications</i> , 2006, 27, 977-987.	1.1	94
15	ECAT ART "a continuously rotating PET camera: Performance characteristics, initial clinical studies, and installation considerations in a nuclear medicine department. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1997, 24, 6-15.	2.1	80
16	Enhancing Lung Scintigraphy With Single-Photon Emission Computed Tomography. <i>Seminars in Nuclear Medicine</i> , 2008, 38, 441-449.	4.6	71
17	Investigation of the relationship between linear attenuation coefficients and CT Hounsfield units using radionuclides for SPECT. <i>Applied Radiation and Isotopes</i> , 2008, 66, 1206-1212.	1.5	70
18	SPECT/CT in V/Q Scanning. <i>Seminars in Nuclear Medicine</i> , 2010, 40, 455-466.	4.6	70

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19	Follow-up Recommendations for Completely Resected Gastroenteropancreatic Neuroendocrine Tumors. <i>JAMA Oncology</i> , 2018, 4, 1597.	7.1	68
20	Targeted Doxorubicin Delivery to Brain Tumors via Minicells: Proof of Principle Using Dogs with Spontaneously Occurring Tumors as a Model. <i>PLoS ONE</i> , 2016, 11, e0151832.	2.5	64
21	⁹⁰ Y PET imaging: Exploring limitations and accuracy under conditions of low counts and high random fraction. <i>Medical Physics</i> , 2015, 42, 4295-4309.	3.0	54
22	Quantitative ⁹⁰ Y image reconstruction in PET. <i>Medical Physics</i> , 2012, 39, 7153-7159.	3.0	52
23	Feasibility and accuracy of single time point imaging for renal dosimetry following ¹⁷⁷ Lu-DOTATATE (¹⁷⁷ Lutate™) therapy. <i>EJNMMI Physics</i> , 2018, 5, 33.	2.7	47
24	Clinical and imaging-based prognostic factors in radioembolisation of liver metastases from colorectal cancer: a retrospective exploratory analysis. <i>EJNMMI Research</i> , 2017, 7, 46.	2.5	45
25	Quantitative and Qualitative Assessment of Yttrium-90 PET/CT Imaging. <i>PLoS ONE</i> , 2014, 9, e110401.	2.5	44
26	Development of a cost-effective modular SPECT/CT scanner. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2007, 34, 1415-1426.	6.4	43
27	Prognostic and predictive biomarkers in neuroendocrine tumours. <i>Critical Reviews in Oncology/Hematology</i> , 2017, 113, 268-282.	4.4	42
28	Combined PET/MR: Where Are We Now? Summary Report of the Second International Workshop on PET/MR Imaging April 8-12, 2013, Tubingen, Germany. <i>Molecular Imaging and Biology</i> , 2014, 16, 295-310.	2.6	38
29	Fusion imaging of computed tomographic pulmonary angiography and SPECT ventilation/perfusion scintigraphy: initial experience and potential benefit. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2007, 34, 135-142.	6.4	36
30	Quantitative PET in the 2020s: a roadmap. <i>Physics in Medicine and Biology</i> , 2021, 66, 06RM01.	3.0	36
31	Pulmonary hypertension leads to a loss of gravity dependent redistribution of regional lung perfusion: a SPECT/CT study. <i>Heart</i> , 2014, 100, 47-53.	2.9	33
32	Accuracy of Dose Calibrators for ⁶⁸ Ga PET Imaging: Unexpected Findings in a Multicenter Clinical Pretrial Assessment. <i>Journal of Nuclear Medicine</i> , 2018, 59, 636-638.	5.0	31
33	Non-invasive measurement of left ventricular volumes and function by gated positron emission tomography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1996, 23, 1594-1602.	2.1	29
34	Peripheral ventilation heterogeneity determines the extent of bronchoconstriction in asthma. <i>Journal of Applied Physiology</i> , 2017, 123, 1188-1194.	2.5	28
35	Dual PET Imaging in Bronchial Neuroendocrine Neoplasms: The NETPET Score as a Prognostic Biomarker. <i>Journal of Nuclear Medicine</i> , 2021, 62, 1278-1284.	5.0	25
36	A clinical comparison between traditional planar V/Q images and planar images generated from SPECT V/Q scintigraphy. <i>Nuclear Medicine Communications</i> , 2008, 29, 323-330.	1.1	23

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37	68Ga PET Ventilation and Perfusion Lung Imaging – Current Status and Future Challenges. <i>Seminars in Nuclear Medicine</i> , 2016, 46, 428-435.	4.6	23
38	Comparison of radiobiological parameters for 90Y radionuclide therapy (RNT) and external beam radiotherapy (EBRT) in vitro. <i>EJNMMI Physics</i> , 2018, 5, 18.	2.7	23
39	Generation of planar images from lung ventilation/perfusion SPECT. <i>Annals of Nuclear Medicine</i> , 2008, 22, 437-445.	2.2	22
40	Utilizing 18F-fluoroethyltyrosine (FET) positron emission tomography (PET) to define suspected nonenhancing tumor for radiation therapy planning of glioblastoma. <i>Practical Radiation Oncology</i> , 2018, 8, 230-238.	2.1	22
41	Externally triggered gating of nuclear medicine acquisitions: a useful method for partitioning data. <i>Physics in Medicine and Biology</i> , 2005, 50, N55-N62.	3.0	21
42	Measurement of preoperative lobar lung function with computed tomography ventilation imaging: progress towards rapid stratification of lung cancer lobectomy patients with abnormal lung function. <i>European Journal of Cardio-thoracic Surgery</i> , 2016, 49, 1075-1082.	1.4	21
43	In vivo quantification of 177Lu with planar whole-body and SPECT/CT gamma camera imaging. <i>EJNMMI Physics</i> , 2015, 2, 20.	2.7	20
44	Performance evaluation of quantitative SPECT/CT using NEMA NU 2 PET methodology. <i>Physics in Medicine and Biology</i> , 2019, 64, 145017.	3.0	20
45	High Metabolic Tumour Volume on 18-Fluorodeoxyglucose Positron Emission Tomography Predicts Poor Survival from Neuroendocrine Neoplasms. <i>Neuroendocrinology</i> , 2020, 110, 950-958.	2.5	19
46	A method for calibrating three-dimensional positron emission tomography without scatter correction. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1997, 24, 660-664.	2.1	16
47	Objective analysis of whole lung and lobar ventilation/ perfusion relationships in pulmonary embolism. <i>Clinical Physiology and Functional Imaging</i> , 2008, 28, 14-26.	1.2	16
48	<i>In vivo</i> validation of quantitative SPECT in the heart. <i>Clinical Physiology and Functional Imaging</i> , 2010, 30, 214-219.	1.2	16
49	CT-based quantitative SPECT for the radionuclide 201Tl: experimental validation and a standardized uptake value for brain tumour patients. <i>Cancer Imaging</i> , 2012, 12, 31-40.	2.8	16
50	Gallium-68 DOTATATE Production with Automated PET Radiopharmaceutical Synthesis System: A Three Year Experience. <i>Asia Oceania Journal of Nuclear Medicine and Biology</i> , 2014, 2, 75-86.	0.1	16
51	Artifacts and Anatomical Variants Affecting Ventilation and Perfusion Lung Imaging. <i>Seminars in Nuclear Medicine</i> , 2015, 45, 373-391.	4.6	15
52	CT ventilation imaging derived from breath hold CT exhibits good regional accuracy with Galligas PET. <i>Radiotherapy and Oncology</i> , 2018, 127, 267-273.	0.6	15
53	A Brief History of Lung Ventilation and Perfusion Imaging Over the 50-Year Tenure of the Editors of <i>Seminars in Nuclear Medicine</i> . <i>Seminars in Nuclear Medicine</i> , 2020, 50, 75-86.	4.6	14
54	The use of molecular sieves to produce point sources of radioactivity. <i>Physics in Medicine and Biology</i> , 2004, 49, N21-N29.	3.0	12

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55	Quantifying lung shunting during planning for radio-embolization. <i>Physics in Medicine and Biology</i> , 2011, 56, N145-N152.	3.0	11
56	SPECT V/Q in Lung Cancer Radiotherapy Planning. <i>Seminars in Nuclear Medicine</i> , 2019, 49, 31-36.	4.6	11
57	Imaging the Airways in 2006. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2006, 19, 1-7.	1.2	10
58	Estimation of Radiation Exposure to Workers During [18F] FDG PET/CT Procedures at Molecular Imaging Center, Oman. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2019, 50, 565-570.	0.3	10
59	Theranostic SPECT reconstruction for improved resolution: application to radionuclide therapy dosimetry. <i>EJNMMI Physics</i> , 2021, 8, 16.	2.7	10
60	Lutetium-177 DOTATATE Production with an Automated Radiopharmaceutical Synthesis System. <i>Asia Oceania Journal of Nuclear Medicine and Biology</i> , 2015, 3, 107-115.	0.1	10
61	A Comparison of 2D and 3D Kidney Absorbed Dose Measures in Patients Receiving Lu-DOTATATE. <i>Asia Oceania Journal of Nuclear Medicine and Biology</i> , 2018, 6, 113-119.	0.1	10
62	Thirty years from now: future physics contributions in nuclear medicine. <i>EJNMMI Physics</i> , 2014, 1, 4.	2.7	9
63	The Importance of Training, Accreditation, and Guidelines for the Practice of Theranostics: The Australian Perspective. <i>Journal of Nuclear Medicine</i> , 2022, 63, 819-822.	5.0	9
64	Utilizing 18F-fluoroethyl-L-tyrosine positron emission tomography in high grade glioma for radiation treatment planning in patients with contraindications to MRI. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2018, 62, 122-127.	1.8	8
65	Quantifying the effects of absorbed dose from radioembolisation on healthy liver function with [99mTc]TcMebrofenin. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 838-848.	6.4	8
66	Australian experience of peptide receptor radionuclide therapy in lung neuroendocrine tumours. <i>Oncotarget</i> , 2020, 11, 2636-2646.	1.8	8
67	Is PET the future of Nuclear Medicine?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2003, 30, 1047-1049.	6.4	7
68	Individualised dosimetry and safety of SIRT for intrahepatic cholangiocarcinoma. <i>EJNMMI Physics</i> , 2021, 8, 65.	2.7	7
69	Influence of molecular classification in anaplastic glioma for determining outcome and future approach to management. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2019, 63, 272-280.	1.8	6
70	A Technical Overview of Technegas as a Lung Ventilation Agent. <i>Journal of Nuclear Medicine Technology</i> , 2021, 49, 313-319.	0.8	6
71	V/Q SPECT "Normal Values for Lobar Function and Comparison With CT Volumes. <i>Seminars in Nuclear Medicine</i> , 2019, 49, 58-61.	4.6	5
72	Medical Physics and Imaging "A Timely Perspective. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	5

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73	Effect of combination inhaled therapy on ventilation distribution measured by SPECT/CT imaging in uncontrolled asthma. <i>Journal of Applied Physiology</i> , 2021, 131, 621-629.	2.5	5
74	RetroSPECT: Gallium-67 as a Long-Lived Imaging Agent for Theranostics. <i>Asia Oceania Journal of Nuclear Medicine and Biology</i> , 2021, 9, 1-8.	0.1	5
75	Tumour volume reduction following PET guided intensity modulated radiation therapy and temozolomide in IDH mutated anaplastic glioma. <i>Journal of Clinical Neuroscience</i> , 2019, 59, 68-74.	1.5	4
76	Overlooked potential of positrons in cancer therapy. <i>Scientific Reports</i> , 2021, 11, 2475.	3.3	4
77	The Australasian Radiopharmaceutical Trials Network: Clinical Trials, Evidence, and Opportunity. <i>Journal of Nuclear Medicine</i> , 2021, 62, 755-756.	5.0	4
78	Assessment of the relative contribution of volume and concentration changes in Yttrium-90 labelled resin microspheres on ionization chamber measurements. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2017, 40, 943-948.	1.3	3
79	FET PET in the evaluation of indeterminate brain lesions on MRI: Differentiating glioma from other non-neoplastic causes – A pilot study. <i>Journal of Clinical Neuroscience</i> , 2018, 58, 130-135.	1.5	3
80	The future of radiotherapy is molecular. <i>Physical and Engineering Sciences in Medicine</i> , 2020, 43, 755-759.	2.4	3
81	Letter From the Guest Editors. <i>Seminars in Nuclear Medicine</i> , 2019, 49, 2-3.	4.6	2
82	In Vivo Measurement and Characterization of a Novel Formulation of [Lu]-DOTA-Octreotate. <i>Asia Oceania Journal of Nuclear Medicine and Biology</i> , 2016, 4, 30-37.	0.1	2
83	Changing Therapeutic Paradigms: Predicting mCRC Lesion Response to Selective Internal Radionuclide Therapy (SIRT) based on Critical Absorbed Dose Thresholds: A Case Study. <i>Asia Oceania Journal of Nuclear Medicine and Biology</i> , 2017, 5, 66-69.	0.1	2
84	An Unusual Cause of ^{137}Cs -Camera Contamination. <i>Journal of Nuclear Medicine Technology</i> , 2022, 50, 381-383.	0.8	1
85	Enduring complete metabolic response in metastatic adenocarcinoma of the gastro-oesophageal junction. <i>Oxford Medical Case Reports</i> , 2014, 2014, 105-106.	0.4	0
86	Dramatic response to selective internal radiation therapy for unresectable hepatocellular carcinoma. <i>Oxford Medical Case Reports</i> , 2015, 2015, 194-195.	0.4	0
87	PET monitoring of liver directed selective internal radionuclide therapy for metastatic gastro-oesophageal cancer. <i>BMJ Case Reports</i> , 2016, 2016, bcr2016215645.	0.5	0
88	System specific modeling for absolute quantification of $^{99\text{m}}\text{Tc}$ and ^{177}Lu with SPECT/CT. , 2016, , .		0
89	Performance Evaluation of Quantitative SPECT/CT: Applying NEMA NU2 PET Measurements to SPECT. , 2017, , .		0
90	Physics and Technology of SPECT/CT. , 2014, , 1-27.		0

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91	Lymphoscintigraphy as an Outcome Measurement for Conservative Upper Limb Lymphedema Treatments: A Systematic Review. <i>Lymphatic Research and Biology</i> , 2021, , .	1.1	0
92	Translation of Methodology Used In Human Myocardial Imaging to a Sheep Model of Acute Myocardial Infarction. <i>Asia Oceania Journal of Nuclear Medicine and Biology</i> , 2013, 1, 10-21.	0.1	0
93	NIMG-49. A PROSPECTIVE, MULTI-CENTRE TRIAL OF FET-PET IN GLIOBLASTOMA PATIENTS - THE TROG 18.06 FIG STUDY: KEY ASPECTS OF IMAGING AND RADIATION ONCOLOGY CREDENTIALING. <i>Neuro-Oncology</i> , 2021, 23, vi140-vi140.	1.2	0
94	Letter to Editor Re: "Combined Quantification of 18F-FDG and 68Ga-DOTATATE PET/CT for Prognosis in High-Grade Gastroenteropancreatic Neuroendocrine Neoplasms" (https://doi.org/10.1016/j.acra.2021.10.004). <i>Academic Radiology</i> , 2022, , .	2.5	0
95	Physics and Technology of SPECT/CT. , 2022, , 1-23.		0