

Geoffrey M Currie

List of Publications by Year in descending order

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Version: 2024-02-01

118
papers

1,246
citations

471061

17
h-index

454577

30
g-index

119
all docs

119
docs citations

119
times ranked

1197
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine Learning and Deep Learning in Medical Imaging: Intelligent Imaging. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2019, 50, 477-487.	0.2	217
2	Pharmacokinetic Considerations for Digoxin in Older People. <i>Open Cardiovascular Medicine Journal</i> , 2011, 5, 130-135.	0.6	60
3	Pharmacology, Part 2: Introduction to Pharmacokinetics. <i>Journal of Nuclear Medicine Technology</i> , 2018, 46, 221-230.	0.4	59
4	Ethical principles for the application of artificial intelligence (AI) in nuclear medicine. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 748-752.	3.3	50
5	The relationship between external beam radiotherapy dose and chronic urinary dysfunction – A methodological critique. <i>Radiotherapy and Oncology</i> , 2010, 97, 40-47.	0.3	49
6	Intelligent Imaging: Anatomy of Machine Learning and Deep Learning. <i>Journal of Nuclear Medicine Technology</i> , 2019, 47, 273-281.	0.4	42
7	COVID-19 impact on undergraduate teaching: Medical radiation science teaching team experience. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2020, 51, 518-527.	0.2	38
8	Intelligent Imaging in Nuclear Medicine: the Principles of Artificial Intelligence, Machine Learning and Deep Learning. <i>Seminars in Nuclear Medicine</i> , 2021, 51, 102-111.	2.5	38
9	Scintigraphic Evaluation of Acute Lower Gastrointestinal Hemorrhage. <i>Journal of Clinical Gastroenterology</i> , 2011, 45, 92-99.	1.1	37
10	Pharmacology, Part 1: Introduction to Pharmacology and Pharmacodynamics. <i>Journal of Nuclear Medicine Technology</i> , 2018, 46, 81-86.	0.4	37
11	Ethical and Legal Challenges of Artificial Intelligence in Nuclear Medicine. <i>Seminars in Nuclear Medicine</i> , 2021, 51, 120-125.	2.5	36
12	Intelligent Imaging: Artificial Intelligence Augmented Nuclear Medicine. <i>Journal of Nuclear Medicine Technology</i> , 2019, 47, 217-222.	0.4	35
13	The Incremental Value of SPECT/CT in Characterizing Solitary Spine Lesions. <i>Journal of Nuclear Medicine Technology</i> , 2011, 39, 201-207.	0.4	27
14	The effect of delineation method and observer variability on bladder dose-volume histograms for prostate intensity modulated radiotherapy. <i>Radiotherapy and Oncology</i> , 2011, 101, 479-485.	0.3	23
15	Twitter Journal Club in Medical Radiation Science. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2017, 48, 83-89.	0.2	19
16	Intelligent Imaging: Radiomics and Artificial Neural Networks in Heart Failure. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2019, 50, 571-574.	0.2	19
17	Pharmacology, Part 5: CT and MRI Contrast Media. <i>Journal of Nuclear Medicine Technology</i> , 2019, 47, 189-202.	0.4	19
18	Incidence and characterization of patient motion in myocardial perfusion SPECT: Part 1. <i>Journal of Nuclear Medicine Technology</i> , 2004, 32, 60-5.	0.4	17

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19	Social Asymmetry, Artificial Intelligence and the Medical Imaging Landscape. <i>Seminars in Nuclear Medicine</i> , 2022, 52, 498-503.	2.5	17
20	Impact of patient motion on myocardial perfusion SPECT diagnostic integrity: Part 2. <i>Journal of Nuclear Medicine Technology</i> , 2004, 32, 158-63.	0.4	16
21	Thermal Control of Brown Adipose Tissue in 18F-FDG PET. <i>Journal of Nuclear Medicine Technology</i> , 2012, 40, 99-103.	0.4	15
22	COVID19 impact on nuclear medicine: an Australian perspective. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 1623-1627.	3.3	14
23	A Lens on the Post-COVID-19 "New Normal" for Imaging Departments. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2020, 51, 361-363.	0.2	13
24	Radionuclide production. <i>Radiographer</i> , 2011, 58, 46-52.	0.1	11
25	Impact Factors in Nuclear Medicine Journals. <i>Journal of Nuclear Medicine</i> , 2007, 48, 1397-1400.	2.8	10
26	Impact Factors in Medical Radiation Science Journals. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2014, 45, 70-71.	0.2	10
27	Regional Cardiac Sympathetic Nervous System Evaluation Using 123I-mIBG SPECT in Patients with Heart Failure. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2018, 49, 397-405.	0.2	10
28	Risk Stratification in Heart Failure Using 123I-MIBG. <i>Journal of Nuclear Medicine Technology</i> , 2011, 39, 295-301.	0.4	9
29	Pituitary Incidentaloma Found on O-(2-18F-Fluoroethyl)-L-Tyrosine PET. <i>Journal of Nuclear Medicine Technology</i> , 2014, 42, 218-222.	0.4	9
30	Non-orthodontic intervention and non-nutritive sucking behaviours: A literature review. <i>Kaohsiung Journal of Medical Sciences</i> , 2018, 34, 215-222.	0.8	9
31	Topical Sensor for the Assessment of Injection Quality for 18F-FDG, 68Ga-PSMA and 68Ga-DOTATATE Positron Emission Tomography. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2020, 51, 247-255.	0.2	9
32	The efficacy of betulinic acid in triple-negative breast cancer. <i>SAGE Open Medicine</i> , 2014, 2, 205031211455197.	0.7	8
33	Publication Productivity in Nuclear Medicine. <i>Journal of Nuclear Medicine Technology</i> , 2015, 43, 122-128.	0.4	8
34	Publication Productivity in the Medical Radiation Sciences. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2015, 46, S52-S60.	0.2	8
35	Planned versus "delivered" bladder dose reconstructed using solid and hollow organ models during prostate cancer IMRT. <i>Radiotherapy and Oncology</i> , 2016, 119, 417-422.	0.3	8
36	Mammographic parenchymal patterns and breast cancer risk in new South Wales ortho-coastal and Torres Strait Islander women. <i>Journal of Medical Radiation Sciences</i> , 2016, 63, 81-88.	0.8	8

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37	PET/MRI, Part 2: Technologic Principles. Journal of Nuclear Medicine Technology, 2021, 49, 217-225.	0.4	8
38	Improved detection and localization of lower gastrointestinal tract hemorrhage by subtraction scintigraphy: phantom analysis. Journal of Nuclear Medicine Technology, 2006, 34, 160-8.	0.4	8
39	Electrocardiography: A Technologist's Guide to Interpretation. Journal of Nuclear Medicine Technology, 2015, 43, 247-252.	0.4	7
40	Building Foundations for Indigenous Cultural Competence: An Institution's Journey Toward "Closing the Gap". Journal of Medical Imaging and Radiation Sciences, 2018, 49, 6-10.	0.2	7
41	Topical sensor metrics for 18F-FDG positron emission tomography dose extravasation. Radiography, 2021, 27, 178-186.	1.1	7
42	Improved Detection and Localization of Lower Gastrointestinal Hemorrhage Using Subtraction Scintigraphy: Clinical Evaluation. Journal of Nuclear Medicine Technology, 2007, 35, 105-111.	0.4	6
43	Pharmacology in nuclear cardiology. Nuclear Medicine Communications, 2011, 32, 617-627.	0.5	6
44	The Pathogenesis, Analysis, and Imaging Methods of Atherosclerotic Disease of the Carotid Artery: Review of the Literature. Journal of Medical Imaging and Radiation Sciences, 2012, 43, 84-94.	0.2	6
45	Pharmacology, Part 4: Nuclear Cardiology. Journal of Nuclear Medicine Technology, 2019, 47, 97-110.	0.4	6
46	PET/MRI, Part 3: Protocols and Procedures. Journal of Nuclear Medicine Technology, 2022, 50, 17-24.	0.4	6
47	A Technical Overview of Technegas as a Lung Ventilation Agent. Journal of Nuclear Medicine Technology, 2021, 49, 313-319.	0.4	6
48	Post-"COVID-19 New Normal for Nuclear Medicine Practice: An Australasian Perspective. Journal of Nuclear Medicine Technology, 2020, 48, 234-240.	0.4	6
49	Carotid Artery Disease Imaging: A Home-Produced, Easily Made Phantom for Two- and Three-Dimensional Ultrasound Simulation. Journal for Vascular Ultrasound, 2013, 37, 76-80.	0.2	5
50	Internationalization, Mobilization and Social Media in Higher Education. Journal of Medical Imaging and Radiation Sciences, 2014, 45, 399-407.	0.2	5
51	The Effect of Dose Grid Resolution on Dose Volume Histograms for Slender Organs at Risk during Pelvic Intensity-modulated Radiotherapy. Journal of Medical Imaging and Radiation Sciences, 2014, 45, 204-209.	0.2	5
52	Tomographic Reconstruction: A Nonmathematical Overview. Journal of Medical Imaging and Radiation Sciences, 2015, 46, 403-412.	0.2	5
53	Systematically Reviewing a Journal Manuscript: A Guideline for Health Reviewers. Journal of Medical Imaging and Radiation Sciences, 2016, 47, 129-138.e3.	0.2	5
54	Pediatric Brown Adipose Tissue on ¹⁸ F-FDG PET: Diazepam Intervention. Journal of Nuclear Medicine Technology, 2017, 45, 82-86.	0.4	5

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55	PET/MRI, Part 1: Establishing a PET/MRI Facility. <i>Journal of Nuclear Medicine Technology</i> , 2021, 49, 120-125.	0.4	5
56	Myocardial Perfusion SPECT Utility in Predicting Cardiovascular Events Among Indonesian Diabetic Patients. <i>Open Cardiovascular Medicine Journal</i> , 2013, 7, 82-89.	0.6	5
57	Value of SPECT/CT in the diagnosis of avascular necrosis of the head of femur: A meta-analysis. <i>Radiography</i> , 2022, 28, 560-564.	1.1	5
58	Remodeling ^{99m} Tc-Perchnetate Thyroid Uptake: Statistical, Machine Learning, and Deep Learning Approaches. <i>Journal of Nuclear Medicine Technology</i> , 2022, 50, 143-152.	0.4	5
59	The impact of acquisition protocol on the incidence of patient motion in 99mTc based myocardial perfusion SPECT. <i>Nuclear Medicine Communications</i> , 2004, 25, 1191-1195.	0.5	4
60	The first year clinical placement for undergraduate medical radiation science students: tool or toil?. <i>Radiographer</i> , 2005, 52, 18-22.	0.1	4
61	Cost-Effectiveness Analysis of Subtraction Scintigraphy in Patients with Acute Lower Gastrointestinal Tract Hemorrhage. <i>Journal of Nuclear Medicine Technology</i> , 2007, 35, 140-147.	0.4	4
62	The Art/Science Continuum. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2014, 45, 352-353.	0.2	4
63	A Dedicated Breast Positron Emission Tomography Scanner: Proof of Concept. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2014, 45, 435-439.	0.2	4
64	Incidental Lingual Thyroid Informs Surgery. <i>Journal of Nuclear Medicine Technology</i> , 2015, 43, 66-67.	0.4	4
65	Automated Delineation of the Normal Urinary Bladder on Planning CT and Cone Beam CT. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2016, 47, 21-29.	0.2	4
66	Pharmacology, Part 3A: Interventional Medications in Renal and Biliary Imaging. <i>Journal of Nuclear Medicine Technology</i> , 2018, 46, 326-334.	0.4	4
67	Characterisation of anterior open bite in primary school-aged children: A preliminary study with artificial neural network analysis. <i>International Journal of Paediatric Dentistry</i> , 2021, 31, 576-582.	1.0	4
68	Influence of Semiquantitative [18F]FDG PET and Hematological Parameters on Survival in HNSCC Patients Using Neural Network Analysis. <i>Pharmaceuticals</i> , 2022, 15, 224.	1.7	4
69	Australian perspectives on artificial intelligence in medical imaging. <i>Journal of Medical Radiation Sciences</i> , 2022, 69, 282-292.	0.8	4
70	QGS ejection fraction reproducibility in gated SPECT comparing pre-filtered and post-filtered reconstruction. <i>Nuclear Medicine Communications</i> , 2006, 27, 57-59.	0.5	3
71	A Role for Subtraction Scintigraphy in the Evaluation of Lower Gastrointestinal Bleeding in the Athlete. <i>Sports Medicine</i> , 2007, 37, 923-928.	3.1	3
72	Techniques for Technetium Scintigraphy in Plants. <i>Journal of Nuclear Medicine Technology</i> , 2010, 38, 76-80.	0.4	3

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73	The Effects of External Beam Radiotherapy on the Normal Urinary Bladder—A Histopathological Review. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2011, 42, 189-197.	0.2	3
74	A Systematic Literature Review of Ultrasonography for Morphology and Characterization of Vulnerable Carotid Artery Plaques. <i>Journal for Vascular Ultrasound</i> , 2012, 36, 191-198.	0.2	3
75	Ambient Temperature and Cardiac Accumulation of 18F-FDG. <i>Journal of Nuclear Medicine Technology</i> , 2014, 42, 188-193.	0.4	3
76	Intelligent Imaging: Developing a Machine Learning Project. <i>Journal of Nuclear Medicine Technology</i> , 2021, 49, 44-48.	0.4	3
77	PET/MRI, Part 4: Clinical Applications. <i>Journal of Nuclear Medicine Technology</i> , 2022, 50, 90-96.	0.4	3
78	Single photon emission computed tomography (SPECT)/computed tomography (CT): an introduction. <i>Radiographer</i> , 2011, 58, 60-66.	0.1	2
79	Hormone Therapy in Prostate Cancer. <i>Journal of Nuclear Medicine Technology</i> , 2013, 41, 49-51.	0.4	2
80	Comparison and Accuracy of Carotid Plaque Analysis Between Two- and Three-Dimensional Ultrasound Imaging. <i>Journal of Diagnostic Medical Sonography</i> , 2014, 30, 123-130.	0.1	2
81	Sectoriality in xylem connections between the bunch and leaves of the grapevine (<i>Vitis vinifera</i>) shoot. <i>Scientia Horticulturae</i> , 2014, 168, 229-233.	1.7	2
82	Single-photon Emission Tomography/Computed Tomography Delineation of Freiberg Infraction. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2014, 45, 137-140.	0.2	2
83	Vulnerable Carotid Artery Plaque Evaluation: Detection Agreement between Advanced Ultrasound, Computed Tomography, and Magnetic Resonance Imaging: A Phantom Study. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2015, 46, 90-101.	0.2	2
84	Delineating the inner bladder surface using uniform contractions from the outer surface under variable bladder filling conditions. <i>British Journal of Radiology</i> , 2015, 88, 20140818.	1.0	2
85	Pharmacology, Part 3B: Less Commonly Used Interventional Medications and Adjunctive Medications in General Nuclear Medicine. <i>Journal of Nuclear Medicine Technology</i> , 2019, 47, 3-12.	0.4	2
86	Biodistribution of ¹⁸ F-FDG After Oral Administration to a Honeybee: PET/CT Proof of Concept. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1493-1493.	2.8	2
87	<i>Yindyamarra Winhanganha</i> : A Conduit to Indigenous Cultural Proficiency. <i>Journal of Nuclear Medicine Technology</i> , 2022, 50, 66-72.	0.4	2
88	Topical Sensor for the Assessment of PET Dose Administration: Metric Performance with an Autoinjector. <i>Journal of Nuclear Medicine Technology</i> , 2020, 48, 363-371.	0.4	2
89	Technegas Lung Ventilation. <i>Journal of Nuclear Medicine Technology</i> , 2021, 49, 311-312.	0.4	2
90	Rest versus stress ejection fraction on gated myocardial perfusion SPECT. <i>Journal of Nuclear Medicine Technology</i> , 2005, 33, 218-23.	0.4	2

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91	Emotional Intelligence and Productive Relationships with Patients and Colleagues. <i>Journal of Nuclear Medicine Technology</i> , 2022, 50, 357-365.	0.4	2
92	Global Contrast in Nuclear Medicine. <i>Journal of Nuclear Medicine Technology</i> , 2010, 38, 115-116.	0.4	1
93	Potential Iatrogenic Alteration to 18F-Fluoride Biodistribution. <i>Journal of Nuclear Medicine</i> , 2010, 51, 823.1-823.	2.8	1
94	Technetium-99m-labeled RBC Scintigraphy. <i>Journal of Clinical Gastroenterology</i> , 2011, 45, 652-654.	1.1	1
95	Long-distance transport of pertechnetate in the moonflower (<i>Ipomoea alba</i>). <i>Journal of Environmental Radioactivity</i> , 2012, 103, 54-58.	0.9	1
96	Novel Radiopharmaceuticals in Cardiovascular Medicine: Present and Future. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2014, 45, 423-434.	0.2	1
97	Increased Gastric Activity on Myocardial Perfusion Imaging. <i>Journal of Nuclear Medicine Technology</i> , 2016, 44, 195-198.	0.4	1
98	Editorial Board Gender Balance. <i>Journal of Nuclear Medicine Technology</i> , 2022, 50, 78-78.	0.4	1
99	A potential role for student portfolios in the medical radiation sciences. <i>Radiographer</i> , 2007, 54, 11-13.	0.1	0
100	Clinical Utility of Out-of-Hours Chest Radiographs. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2011, 42, 52-58.	0.2	0
101	Osteoporosis in older persons: Pathophysiology and therapeutic approach. <i>Australasian Journal on Ageing</i> , 2011, 30, 49-50.	0.4	0
102	Integrative oncology in Australia. <i>Chinese Journal of Integrative Medicine</i> , 2011, 17, 246-250.	0.7	0
103	Response to the Letter to the Editor. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2014, 45, 197-198.	0.2	0
104	R�ponse � la Lettre � la R�dactrice en Chef. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2014, 45, 199-200.	0.2	0
105	Advanced Ultrasound Evaluation of Vulnerable Carotid Artery Plaque: Can � Combined Two-dimensional and Three-dimensional Plaque Imaging Analysis Identify Significant Plaque Characteristics Responsible for Strokes? A Case Series Study. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2014, 45, 440-447.	0.2	0
106	A Rare Case of Testicular Embryonal Rhabdomyosarcoma Detected Incidentally on Bone Scan. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2014, 45, 330-334.	0.2	0
107	Tampon Appearance on Bone Scan Imaging: Case Report. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2014, 45, 59-62.	0.2	0
108	Medical Isotope Crisis. <i>Journal of Nuclear Medicine Technology</i> , 2015, 43, 139-139.	0.4	0

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109	Letter to the Editor—Continuing Professional Development and Advanced Practice. Journal of Medical Imaging and Radiation Sciences, 2015, 46, 127-128.	0.2	0
110	Lettre À la r�dactrice en chef. Journal of Medical Imaging and Radiation Sciences, 2015, 46, 128-129.	0.2	0
111	The Value of Single-photon Emission Computed Tomography/Computed Tomography in the Evaluation of Herniation Pits. Journal of Medical Imaging and Radiation Sciences, 2015, 46, 108-112.	0.2	0
112	Statistics Flaws. Journal of Nuclear Medicine Technology, 2018, 46, 318.1-318.	0.4	0
113	Response to Letter to the Editor. Journal of Medical Imaging and Radiation Sciences, 2018, 49, 221.	0.2	0
114	Reimagining Program Development and Reengineering Program Design. Journal of Nuclear Medicine Technology, 2018, 46, 247-252.	0.4	0
115	Reply: Regarding Pharmacology, Part 3A. Journal of Nuclear Medicine Technology, 2019, 47, 263.2-264.	0.4	0
116	Impact of Mobile Phone Interference on Gamma Camera Performance. Journal of Medical Imaging and Radiation Sciences, 2019, 50, 136-141.	0.2	0
117	Detection of ¹⁸ F-FDG Dose Leakage Using a Topical Device. Journal of Nuclear Medicine Technology, 2020, 48, 283-284.	0.4	0
118	¹⁸ F-DCFPyL PET/CT in Metastatic Renal Cell Carcinoma. Journal of Nuclear Medicine Technology, 2022, 50, 282-285.	0.4	0