

S C Kappadth

List of Publications by Year in descending order

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47
papers

1,096
citations

471061

17
h-index

414034

32
g-index

47
all docs

47
docs citations

47
times ranked

1000
citing authors

#	ARTICLE	IF	CITATIONS
1	International recommendations for personalised selective internal radiation therapy of primary and metastatic liver diseases with yttrium-90 resin microspheres. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 1570-1584.	3.3	140
2	Clinical and dosimetric considerations for Y90: recommendations from an international multidisciplinary working group. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 1695-1704.	3.3	104
3	Performance evaluation of the 5-ring GE Discovery MI PET/CT system using the national electrical manufacturers association NU 2012 Standard. <i>Medical Physics</i> , 2019, 46, 3025-3033.	1.6	78
4	Hepatocellular Carcinoma Tumor Dose Response After 90Y-radioembolization With Glass Microspheres Using 90Y-SPECT/CT-Based Voxel Dosimetry. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 451-461.	0.4	76
5	The physics of radioembolization. <i>EJNMMI Physics</i> , 2018, 5, 22.	1.3	65
6	Dual-energy digital mammography: Calibration and inverse-mapping techniques to estimate calcification thickness and glandular-tissue ratio. <i>Medical Physics</i> , 2003, 30, 1110-1117.	1.6	56
7	Comparing voxel-based absorbed dosimetry methods in tumors, liver, lung, and at the liver-lung interface for 90Y microsphere selective internal radiation therapy. <i>EJNMMI Physics</i> , 2015, 2, 16.	1.3	51
8	Yttrium-90 Radioembolization in Intrahepatic Cholangiocarcinoma: A Multicenter Retrospective Analysis. <i>Journal of Vascular and Interventional Radiology</i> , 2020, 31, 1035-1043.e2.	0.2	49
9	Quantitative evaluation of dual-energy digital mammography for calcification imaging. <i>Physics in Medicine and Biology</i> , 2004, 49, 2563-2576.	1.6	47
10	Dual-energy digital mammography for calcification imaging: Scatter and nonuniformity corrections. <i>Medical Physics</i> , 2005, 32, 3395-3408.	1.6	35
11	Performance characteristics of a new pixelated portable gamma camera. <i>Medical Physics</i> , 2012, 39, 3435-3444.	1.6	31
12	A global evaluation of advanced dosimetry in transarterial radioembolization of hepatocellular carcinoma with Yttrium-90: the TARGET study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 3340-3352.	3.3	30
13	Selective Internal Radiation Therapy With Yttrium-90 Glass Microspheres: Biases and Uncertainties in Absorbed Dose Calculations Between Clinical Dosimetry Models. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 96, 888-896.	0.4	28
14	Dual-energy digital mammography for calcification imaging: noise reduction techniques. <i>Physics in Medicine and Biology</i> , 2008, 53, 5421-5443.	1.6	25
15	Planning dosimetry for ⁹⁰ Y radioembolization with glass microspheres: Evaluating the fidelity of ^{99m} Tc-MAA and partition model predictions. <i>Medical Physics</i> , 2020, 47, 5333-5342.	1.6	25
16	Calculation of lung mean dose and quantification of error for ⁹⁰ Y-microsphere radioembolization using ^{99m} Tc-MAA SPECT/CT and diagnostic chest CT. <i>Medical Physics</i> , 2019, 46, 3929-3940.	1.6	21
17	Solitary Parathyroid Adenoma Localization in Technetium Tc99m Sestamibi SPECT and Multiphase Multidetector 4D CT. <i>American Journal of Neuroradiology</i> , 2019, 40, 142-149.	1.2	20
18	Characterization of the count rate performance of modern gamma cameras. <i>Medical Physics</i> , 2013, 40, 032502.	1.6	17

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19	Adequate SIRT activity dose is as important as adequate chemotherapy dose. <i>Lancet Oncology</i> , The, 2017, 18, e636.	5.1	16
20	Dose volume histogram-based optimization of image reconstruction parameters for quantitative ⁹⁰ Y PET imaging. <i>Medical Physics</i> , 2019, 46, 229-237.	1.6	16
21	Characterization of ⁹⁰ Y SPECT/CT self-calibration approaches on the quantification of voxel-level absorbed doses following ⁹⁰ Y microsphere selective internal radiation therapy. <i>Medical Physics</i> , 2018, 45, 875-883.	1.6	15
22	<p>Survival Outcomes for Yttrium-90 Transarterial Radioembolization With and Without Sorafenib for Unresectable Hepatocellular Carcinoma Patients</p>. <i>Journal of Hepatocellular Carcinoma</i> , 2020, Volume 7, 117-131.	1.8	15
23	Observed intercamera variability in clinically relevant performance characteristics for Siemens Symbia gamma cameras. <i>Journal of Applied Clinical Medical Physics</i> , 2006, 7, 74-80.	0.8	13
24	Comparison of Step-and-Shoot and Continuous-Bed-Motion PET Modes of Acquisition for Limited-View Organ Scans. <i>Journal of Nuclear Medicine Technology</i> , 2017, 45, 290-296.	0.4	13
25	Effects of voxel size and iterative reconstruction parameters on the spatial resolution of SPECT/CT. <i>Journal of Applied Clinical Medical Physics</i> , 2011, 12, 210-220.	0.8	10
26	Lung shunt and lung dose calculation methods for radioembolization treatment planning. <i>Quarterly Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 65, 32-42.	0.4	10
27	Precision dosimetry in yttrium-90 radioembolization through CT imaging of radiopaque microspheres in a rabbit liver model. <i>EJNMMI Physics</i> , 2022, 9, 21.	1.3	10
28	Molecular Breast Imaging-guided Percutaneous Biopsy of Breast Lesions: A New Frontier on Breast Intervention. <i>Journal of Breast Imaging</i> , 2020, 2, 484-491.	0.5	9
29	Reassessment of the lung dose limits for radioembolization. <i>Nuclear Medicine Communications</i> , 2021, 42, 1064-1075.	0.5	9
30	Comparison of virtual to true unenhanced abdominal computed tomography images acquired using rapid kV-switching dual energy imaging. <i>PLoS ONE</i> , 2020, 15, e0238582.	1.1	7
31	A prospective, multicenter, open-label, single-arm clinical trial design to evaluate the safety and efficacy of ⁹⁰ Y resin microspheres for the treatment of unresectable HCC: the DOORway90 (Duration) Trial. <i>Journal of Nuclear Medicine</i> , 2021, 62, 1784-1791.	0.7	7
32	Quantification of the inherent radiopacity of glass microspheres for precision dosimetry in yttrium-90 radioembolization. <i>Biomedical Physics and Engineering Express</i> , 2019, 5, 055011.	0.6	5
33	Post-administration dosimetry in yttrium-90 radioembolization through micro-CT imaging of radiopaque microspheres in a porcine renal model. <i>Physics in Medicine and Biology</i> , 2021, 66, 095011.	1.6	5
34	A Prospective Phase II Study of Safety and Efficacy of Sorafenib Followed by ⁹⁰ Y Glass Microspheres for Patients with Advanced or Metastatic Hepatocellular Carcinoma. <i>Journal of Hepatocellular Carcinoma</i> , 2021, Volume 8, 1129-1145.	1.8	5
35	A Retrospective Comparative Study of Sodium Fluoride (¹⁸ F-NaF)-PET/CT and Fluorocholine (¹⁸ F-CH ₂) PET/CT in the Evaluation of Skeletal Metastases in Metastatic Prostate Cancer Using a Volumetric 3-D Radiomics Analysis. <i>Diagnostics</i> , 2021, 11, 17.	1.3	5
36	Quantitation of tumor uptake with molecular breast imaging. <i>Medical Physics</i> , 2017, 44, 4593-4607.	1.6	4

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37	Comparison of enhancement quantification from virtual unenhanced images to true unenhanced images in multiphase renal Dual-Energy computed tomography: A phantom study. Journal of Applied Clinical Medical Physics, 2019, 20, 171-179.	0.8	4
38	Monte Carlo simulation of pixelated CZT detector with Geant4: validation of clinical molecular breast imaging system. Physics in Medicine and Biology, 2021, 66, 125009.	1.6	4
39	Blood flow diversion using the microvascular plug to avoid non target delivery of radioactive microspheres. Radiology Case Reports, 2020, 15, 2015-2017.	0.2	3
40	A Prospective Comparative Study of Using Ultrasonography, 4D-CT and Parathyroid Dual-Phase Scintigraphy with SPECT in Patients with Primary Hyperparathyroidism. Diagnostics, 2021, 11, 2006.	1.3	3
41	The American Brachytherapy Society consensus statement for permanent implant brachytherapy using Yttrium-90 microsphere radioembolization for liver tumors. Brachytherapy, 2022, 21, 569-591.	0.2	3
42	Analysis of the dependence of PET/CT quantification on iterative reconstruction parameters. , 2007, , .		2
43	Stratified Intense-Dose- Yttrium-90 Ibritumumab Tiuxetan (90YT) with Bendamustine+Fludarabine Nonmyeloablative Conditioning for Allogeneic Stem Cell Transplantation in b-Cell Malignancies. Blood, 2016, 128, 662-662.	0.6	2
44	A novel method to evaluate gamma camera rotational uniformity and sensitivity variation. Medical Physics, 2009, 36, 1947-1955.	1.6	1
45	Characterization of the energy response and backscatter contribution for two electronic personal dosimeter models. Journal of Applied Clinical Medical Physics, 2015, 16, 423-434.	0.8	1
46	Disease control and failure patterns of unresectable hepatocellular carcinoma following transarterial radioembolization with yttrium-90 microspheres and with/without sorafenib. World Journal of Gastroenterology, 2021, 27, 8166-8181.	1.4	1
47	Organ-level internal dosimetry for intra-hepatic arterial administration of ^{99m} Tc macroaggregated albumin. Medical Physics, 0, , .	1.6	0