

Author Full Names	Article Title	Times Cited	Publication Year	Volume	Issue	Start Page	End Page	DOI
Hashimoto, Fumio; Onishi, Yuya; Ote, Kibo; Tashima, Hideaki; Reader, Andrew J.; Yamaya, Taiga	Deep learning-based PET image denoising and reconstruction: a review	9	2024	17	1	24	46	10.1007/s12194-024-00780-3
Murata, Taisuke; Hashimoto, Takuma; Onoguchi, Masahisa; Shibutani, Takayuki; Iimori, Takashi; Sawada, Koichi; Umezawa, Tetsuro; Masuda, Yoshitada; Uno, Takashi	Verification of image quality improvement of low-count bone scintigraphy using deep learning	4	2024	17	1	269	279	10.1007/s12194-023-00776-5
Saito, Shigeyoshi; Ueda, Junpei	Preclinical magnetic resonance imaging and spectroscopy in the fields of radiological technology, medical physics, and radiology	3	2024	17	1	47	59	10.1007/s12194-024-00785-y
Ahmadyar, Yashar; Kamali-Asl, Alireza; Arabi, Hossein; Samimi, Rezvan; Zaidi, Habib	Hierarchical approach for pulmonary-nodule identification from CT images using YOLO model and a 3D neural network classifier	2	2024	17	1	124	134	10.1007/s12194-023-00756-9
Wickramasinghe, Sachini Udara; Ramanathan, Vijitha; Sarasanandarajah, Sivananthan	Assessment of dosimetric approaches in evaluating radiation exposure for interventional cardiologists in Sri Lanka	2	2024	17	1	258	268	10.1007/s12194-023-00774-7
Ng, Kwan Hoong; Doi, Kunio	John Roderick Cameron (1922-2005): Scientist, teacher, mentor, inventor, and philanthropist extraordinaire	1	2024	17	1	1	8	10.1007/s12194-023-00775-6
Shiraishi, Yuta; Matsuya, Yusuke; Fukunaga, Hisanori	Possible mechanisms and simulation modeling of FLASH radiotherapy	1	2024	17	1	11	23	10.1007/s12194-023-00770-x
Akram, Md Shahadat Hossain; Levin, Craig S.; Nishikido, Fumihiko; Takyu, Sodai; Obata, Takayuki; Yamaya, Taiga	Study on the radiofrequency transparency of partial-ring oval-shaped prototype PET inserts in a 3 T clinical MRI system	1	2024	17	1	60	70	10.1007/s12194-023-00747-w
Gibson, Nicholas Mark; Lee, Amy; Bencsik, Martin	A practical method to simulate realistic reduced-exposure CT images by the addition of computationally generated noise	1	2024	17	1	112	123	10.1007/s12194-023-00755-w
Queiroz, Suelio M.; Veriato, Thais S.; Raniero, Leandro; Castilho, Maiara L.	Gold nanoparticles conjugated with epidermal growth factor and gadolinium for precision delivery of contrast agents in magnetic resonance imaging	1	2024	17	1	153	164	10.1007/s12194-023-00761-y
Poosiri, Saowapark; Krisanachinda, Anchali; Khamwan, Kitiwat	Evaluation of patient radiation dose and risk of cancer from CT examinations	1	2024	17	1	176	185	10.1007/s12194-023-00763-w
Fukuda, Atsushi; Ichikawa, Nao; Hayashi, Takuma; Hirose, Ayaka; Matsubara, Kosuke	Half-value layer measurements using solid-state detectors and single-rotation technique with lead apertures in spiral computed tomography with and without a tin filter	1	2024	17	1	207	218	10.1007/s12194-023-00767-6
Inoue, Takeshi; Ichikawa, Katsuhiro; Hara, Takanori; Ohashi, Kazuya; Sato, Kazuhiro; Kawashima, Hiroki	Validating computer applications for calculating spatial resolution and noise property in CT using simulated images with known properties	1	2024	17	1	238	247	10.1007/s12194-023-00771-w
Oura, Daisuke; Gekka, Masayuki; Sugimori, Hiroyuki	The montage method improves the classification of suspected acute ischemic stroke using the convolution neural network and brain MRI	1	2024	17	1	297	305	10.1007/s12194-023-00754-x
Masumoto, Nagi; Sasaki, Motoharu; Nakaguchi, Yuji; Kamomae, Takeshi; Kanazawa, Yuki; Ikushima, Hitoshi	Knowledge-based model building for treatment planning for prostate cancer using commercial treatment planning quality assurance software tools	1	2024	17	1	337	345	10.1007/s12194-023-00759-6

Gugliandolo, Simone Giovanni; Pillai, Shabarish Purushothaman; Rajendran, Shankar; Vincini, Maria Giulia; Pepa, Matteo; Pansini, Floriana; Zaffaroni, Mattia; Marvaso, Giulia; Alterio, Daniela; Vavassori, Andrea; Durante, Stefano; Volpe, Stefania; Cattani, Federica; Jereczek-Fossa, Barbara Alicja; Moscatelli, Davide; Colosimo, Bianca Maria	3D-printed boluses for radiotherapy: influence of geometrical and printing parameters on dosimetric characterization and air gap evaluation	1	2024	17	2	347	359	10.1007/s12194-024-00782-1
Nishijima, Kojiro; Shiraiishi, Junji	Improved detection of cholesterol gallstones using quasi-material decomposition images generated from single-energy computed tomography images via deep learning	1	2024	17	2	360	366	10.1007/s12194-024-00783-0
Yoshida, Tatsuya; Sasaki, Koji; Hayakawa, Tomoki; Kawadai, Toshiyuki; Shibasaki, Takako; Kawasaki, Yoshiyuki	Recommendation for reducing the crystalline lens exposure dose by reducing imaging field width in cone- beam computed tomography for image-guided radiation therapy: an anthropomorphic phantom study	1	2024	17	3	629	636	10.1007/s12194-024-00810-0
Muroga, Koji; Kitahara, Kanta	Adjustment of scan delay for bolus tracking with cardiothoracic ratio of CT scout image for hepatic artery phase of hepatic dynamic CT	1	2024	17	3	651	657	10.1007/s12194-024-00814-w
Aminafshar, Behzad; Baghani, Hamid Reza; Mowlavi, Ali Asghar	Analytical parameterization of Bragg curves for proton beams in muscle, bone, and polymethylmethacrylate	1	2024	17	3	745	755	10.1007/s12194-024-00816-8
Bessho, Takahito; Hayashi, Tatsuya; Shibukawa, Shuhei; Kourin, Kazuyuki; Shouda, Takashi	Clinical application of single-shot fast spin-echo sequence for cerebrospinal fluid flow MR imaging	1	2024	17	3	782	792	10.1007/s12194-024-00825-7
Ashino, Kosuke; Kamiya, Naoki; Zhou, Xiangrong; Kato, Hiroki; Hara, Takeshi; Fujita, Hiroshi	Joint segmentation of sternocleidomastoid and skeletal muscles in computed tomography images using a multiclass learning approach	1	2024	17	4	854	861	10.1007/s12194-024-00839-1

Data source: [基本検索, Web of Science](#), as of 22 November 2024

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