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	15	2024	17	1	24	46	10.1007/s12194-024-00780-3
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	6	2024	17	1	153	164	10.1007/s12194-023-00761-y
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	5	2024	17	1	269	279	10.1007/s12194-023-00776-5
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	3	2024	17	4	854	861	10.1007/s12194-024-00839-1
Aminafshar, Behzad; Baghani, Hamid Reza; Mowlavi, Ali Asghar	Analytical parameterization of Bragg curves for proton beams in muscle, bone, and polymethylmethacrylate	3	2024	17	3	745	755	10.1007/s12194-024-00816-8
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
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	3	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	3	2024	17	2	347	359	10.1007/s12194-024-00782-1
Shiraishi, Yuta; Matsuya, Yusuke; Fukunaga, Hisanori	Possible mechanisms and simulation modeling of FLASH radiotherapy	3	2024	17	1	11	23	10.1007/s12194-023-00770-x
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	2	2024	17	3	629	636	10.1007/s12194-024-00810-0
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
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	2	2024	17	1	238	247	10.1007/s12194-023-00771-w
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

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Kato, Yutaka; Yuki, Kenya; Nishiguchi, Koji; Naganawa, Shinji	Visualization of distribution in the vitreous cavity via eye drops using ultra-heavily T2-weighted sequences in MRI: a preliminary study with enucleated pig eyes	**1**	2024	17	3	715	724	10.1007/s12194-024-00826-6
Kadoya, Noriyuki; Arai, Kazuhiro; Tanaka, Shohei; Kimura, Yuto; Tozuka, Ryota; Yasui, Keisuke; Hayashi, Naoki; Katsuta, Yoshiyuki; Takahashi, Haruna; Inoue, Koki; Jingu, Keiichi	Assessing knowledge about medical physics in language-generative AI with large language model: using the medical physicist exam	**1**	2024	17	4	929	937	10.1007/s12194-024-00838-2
Hoshida, Kento; Ohishi, Ayumu; Mizoguchi, Asumi; Ohkura, Sunao; Kawata, Hidemichi	The effects of mega-voltage CT scan parameters on offline adaptive radiation therapy	**1**	2024	17	1	248	257	10.1007/s12194-023-00773-8
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
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
Yamanaka, Masashi; Nishio, Teiji; Iwabuchi, Kohei; Nagata, Hironori	A novel internal target volume definition based on velocity and time of respiratory target motion for external beam radiotherapy	**1**	2024	17	4	843	853	10.1007/s12194-024-00837-3
Nishijima, Kojiro; Shiraishi, 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
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
Miyai, Masahiro; Fukui, Ryohei; Nakashima, Masahiro; Goto, Sachiko	Deep learning-based attenuation correction method in 99mTc-GSA SPECT/CT hepatic imaging: a phantom study	**1**	2024	17	1	165	175	10.1007/s12194-023-00762-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
Yoshida, Eiji; Yamaya, Taiga	PET detectors with depth-of-interaction and time-of-flight capabilities	**1**	2024	17	3	596	609	10.1007/s12194-024-00821-x
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
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
Hizukuri, Kyoko; Fujibuchi, Toshioh; Arakawa, Hiroyuki	Directional vector visualization of scattered rays in mobile c-arm fluoroscopy	**1**	2024	17	1	288	296	10.1007/s12194-024-00779-w
Ichikawa, Shota; Ozaki, Makoto; Itadani, Hideki; Sugimori, Hiroyuki; Kondo, Yohan	Deep learning-based correction for time truncation in cerebral computed tomography perfusion	**1**	2024	17	3	666	678	10.1007/s12194-024-00818-6
Negishi, Toru; Koba, Yusuke; Shinsho, Kiyomitsu; Fujise, Daisuke; Sai, Masahiro; Nishide, Hiroko	Data analysis of average glandular dose in mammography toward revision of the diagnostic reference level of Japan	**1**	2024	17	3	765	769	10.1007/s12194-024-00823-9

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Fukuda, Atsushi; Ichikawa, Nao; Hayashi, Takuma; Hirosawa, 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
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

[1回以上の引用がある論文
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