

Author Full Names	Article Title	Times Cited,	Publication Year	Volume	Issue	Start Page	End Page	DOI
Chida, Koichi	What are useful methods to reduce occupational radiation exposure among radiological medical workers, especially for interventional radiology personnel?	34	2022	15	2	101	115	10.1007/s12194-022-00660-8
Tashima, Hideaki; Yamaya, Taiga	Compton imaging for medical applications	31	2022	15	3	187	205	10.1007/s12194-022-00666-2
Ishii, Hiroki; Chida, Koichi; Satsurai, Ko; Haga, Yoshihiro; Kaga, Yuji; Abe, Mitsuya; Inaba, Yohei; Zuguchi, Masayuki	Occupational eye dose correlation with neck dose and patient-related quantities in interventional cardiology procedures	20	2022	15	1	54	62	10.1007/s12194-022-00650-w
Ote, Kibo; Hashimoto, Fumio	Deep-learning-based fast TOF-PET image reconstruction using direction information	11	2022	15	1	72	82	10.1007/s12194-022-00652-8
Mima, Yuichi; Nakayama, Ryohei; Hizukuri, Akiyoshi; Murata, Kan	Tooth detection for each tooth type by application of faster R-CNNs to divided analysis areas of dental panoramic X-ray images	9	2022	15	2	170	176	10.1007/s12194-022-00659-1
Adachi, Takanori; Nakamura, Mitsuhiro; Kakino, Ryo; Hirashima, Hideaki; Iramina, Hiraku; Tsuruta, Yusuke; Ono, Tomohiro; Mukumoto, Nobutaka; Miyabe, Yuki; Matsuo, Yukinori; Mizowaki, Takashi	Dosimetric feature comparison between dose-calculation algorithms used for lung stereotactic body radiation therapy	6	2022	15	1	63	71	10.1007/s12194-022-00651-9
Endo, Masahiro	Creation, evolution, and future challenges of ion beam therapy from a medical physicist's viewpoint (part 1). Introduction and Chapter 1. accelerator and beam delivery system	4	2022	15	4	271	290	10.1007/s12194-022-00681-3
El Ghalbzouri, Tarik; El Bardouni, Tarek; El Bakkali, Jaafar; Satti, Hicham; Arectout, Assia; Berriban, Iman; Nouayti, A.; Yerro, Randa	Photon-specific absorbed fraction estimates in stylized ORNL and voxelized ICRP adult male phantoms using a new developed Geant4-based code DoseCalcs: a validation study	4	2022	15	4	323	339	10.1007/s12194-022-00672-4
Nohtomi, Akihiro; Maeda, Hideya; Sakamoto, Naoya; Wakabayashi, Genichiro; Takata, Takushi; Sakurai, Yoshinori	First optical observation of ¹⁰ B-neutron capture reactions using a boron-added liquid scintillator for quality assurance in boron neutron capture therapy	3	2022	15	1	37	44	10.1007/s12194-021-00645-z
Iwao, Yuma; Akamatsu, Go; Tashima, Hideaki; Takahashi, Miwako; Yamaya, Taiga	Marker-less and calibration-less motion correction method for brain PET	3	2022	15	2	125	134	10.1007/s12194-022-00654-6
Ikawa, Hiroaki; Inaniwa, Taku; Koto, Masashi; Bhattacharyya, Tapesh; Kaneko, Takashi; Takiyama, Hirotohi; Shinoto, Makoto; Yamada, Shigeru; Tsuji, Hiroshi	Stopping-power ratio of mouthpiece materials for charged-particle therapy in head and neck cancer	2	2022	15	1	83	88	10.1007/s12194-021-00643-1
Takatsu, Yasuo; Yamamura, Kenichiro; Yamatani, Yuya; Takahashi, Daisuke; Yoshida, Rei; Asahara, Masaki; Honda, Michitaka; Miyati, Tosiaki	Echo-planar imaging is superior to fast spin-echo diffusion-weighted imaging for cranioplasty using titanium mesh in brain magnetic resonance imaging: a phantom study	2	2022	15	1	89	99	10.1007/s12194-021-00646-y
Yoshida, Akifumi; Kondo, Yohan; Yoshimura, Norihiko; Kuramoto, Tatsuya; Hasegawa, Akira; Kanazawa, Tsutomu	U-Net-based image segmentation of the whole heart and four chambers on pediatric X-ray computed tomography	2	2022	15	2	156	169	10.1007/s12194-022-00657-3

Okamoto, Takayuki; Kumakiri, Toshio; Haneishi, Hideaki	Patch-based artifact reduction for three-dimensional volume projection data of sparse-view micro-computed tomography	2	2022	15	3	206	223	10.1007/s12194-022-00661-7
Kato, Sanae; Bagarinao, Epifanio; Isoda, Haruo; Koyama, Shuji; Watanabe, Hirohisa; Maesawa, Satoshi; Hara, Kazuhiro; Katsuno, Masahisa; Naganawa, Shinji; Ozaki, Norio; Sobue, Gen	Reproducibility of functional connectivity metrics estimated from resting-state functional MRI with differences in days, coils, and global signal regression	2	2022	15	4	298	310	10.1007/s12194-022-00670-6
Kobayashi, Tatsuaki; Haraguchi, Takafumi; Nagao, Tomoharu	Classifying presence or absence of calcifications on mammography using generative contribution mapping	2	2022	15	4	340	348	10.1007/s12194-022-00673-3
Ueda, Yasuyuki; Morishita, Junji; Kudomi, Shohei	Biological fingerprint for patient verification using trunk scout views at various scan ranges in computed tomography	2	2022	15	4	398	408	10.1007/s12194-022-00682-2
Hayashi, Naoki; Kurata, Shun; Saito, Yasunori; Ogawa, Shuta; Yasui, Keisuke	Simple quality assurance based on filtered back projection for geometrical/irradiation accuracy in single-isocenter multiple-target stereotactic radiotherapy	2	2022	15	4	409	416	10.1007/s12194-022-00683-1
Doi, Kunio	Russell H. Morgan, MD (1912-1986): pioneer in image quality assessment and radiological science	1	2022	15	1	1	5	10.1007/s12194-021-00647-x
Lin, Pei-Jan Paul; Goode, Allen R.; Corwin, Frank D.	Review and investigation of automatic brightness/dose rate control logic of fluoroscopic imaging systems in cardiovascular interventional angiography	1	2022	15	1	6	24	10.1007/s12194-022-00649-3
Takizawa, Takeshi; Tanabe, Satoshi; Nakano, Hisashi; Utsunomiya, Satoru; Sakai, Madoka; Maruyama, Katsuya; Takeuchi, Shigekazu; Nakano, Toshimichi; Ohta, Atsushi; Kaidu, Motoki; Ishikawa, Hiroyuki; Onda, Kiyoshi	The impact of target positioning error and tumor size on radiobiological parameters in robotic stereotactic radiosurgery for metastatic brain tumors	1	2022	15	2	135	146	10.1007/s12194-022-00655-5
Nakano, Masahiro; Takano, Kazuki; Kaga, Atsuro; Tsujibayashi, Keisuke; Kitajima, Yukiya; Sato, Hiroaki	The utility of using TACE-assisted software with CBCT in colonic diverticular bleeding without extravascular leakage	1	2022	15	2	177	186	10.1007/s12194-022-00658-2
Endo, Yuta; Kuhara, Shigehide	A novel myocardial T1 analysis method robust to fluctuations in longitudinal magnetization recovery due to heart rate variability in polarity-corrected inversion time preparation	1	2022	15	3	224	233	10.1007/s12194-022-00667-1
Takane, Yumi; Sato, Kazuhiro; Kageyama, Ryota; Takano, Hirokazu; Kayano, Shingo	Accuracy of virtual non-contrast images with different algorithms in dual-energy computed tomography	1	2022	15	3	234	244	10.1007/s12194-022-00668-0
Kobayashi, Tatsuaki	RadiomicsJ: a library to compute radiomic features	1	2022	15	3	255	263	10.1007/s12194-022-00664-4
Tachibana, Hidenobu; Takahashi, Ryo; Kogure, Takayuki; Nishiyama, Shiro; Kurosawa, Tomoyuki	Practical dosimetry procedure of air kerma for kilovoltage X-ray imaging in radiation oncology using a 0.6-cc cylindrical ionization chamber with a cobalt absorbed dose-to-water calibration coefficient	1	2022	15	3	264	270	10.1007/s12194-022-00665-3
Iwafuchi, Yukiko; Oguchi, Hiroshi; Okudaira, Kuniyasu; Yamamoto, Kota	Experimental determination of the effective point of measurement for cylindrical ionization chambers in megavoltage photon beams	1	2022	15	4	291	297	10.1007/s12194-022-00669-z

Sato, Kimihiko; Kanai, Takayuki; Lee, Sung Hyun; Miyasaka, Yuya; Chai, Hongbo; Souda, Hikaru; Iwai, Takeo; Sato, Ryuji; Goto, Naoki; Kawamura, Tsukasa	Development of a quantitative analysis method for assessing patient body surface deformation using an optical surface tracking system	1	2022	15	4	367	378	10.1007/s12194-022-00676-0
Joya, Musa; Nedaie, Hassan Ali; Geraily, Ghazale; Seiri, Mahnaz; Ghorbani, Mahdi; Sheikhzadeh, Peyman	Intensity-modulated brachytherapy for vaginal cancer	1	2022	15	4	387	397	10.1007/s12194-022-00680-4

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