

Author Full Names	Article Title	Times Cited	Publication Year	Volume	Issue	Start Page	End Page	DOI
Tashima, Hideaki; Yamaya, Taiga	Compton imaging for medical applications	19	2022	15	3	187	205	10.1007/s12194-022-00666-2
Chida, Koichi	What are useful methods to reduce occupational radiation exposure among radiological medical workers, especially for interventional radiology personnel?	17	2022	15	2	101	115	10.1007/s12194-022-00660-8
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	9	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	7	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	5	2022	15	2	170	176	10.1007/s12194-022-00659-1
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
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	4	2022	15	1	63	71	10.1007/s12194-022-00651-9
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
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
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
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	2	2022	15	1	37	44	10.1007/s12194-021-00645-z
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

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
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
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
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	1	2022	15	4	323	339	10.1007/s12194-022-00672-4
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	1	2022	15	2	156	169	10.1007/s12194-022-00657-3
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
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
Ueda, Yasuyuki; Morishita, Junji; Kudomi, Shohei	Biological fingerprint for patient verification using trunk scout views at various scan ranges in computed tomography	1	2022	15	4	398	408	10.1007/s12194-022-00682-2
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	1	2022	15	1	89	99	10.1007/s12194-021-00646-y
Kobayashi, Tatsuaki	Radiomics: 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