Author Full Names	Article Title	Times Cited	Publication Year	Volume	Issue	Start Page	End Page	DOI
Yamamoto, Seiichi	Discovery of the luminescence of water during irradiation of radiation at a lower energy than the Cherenkov light threshold	7	2021	14	1	16	24	10.1007/s12194-020-00588-x
Nishitani, Yuya; Nakayama, Ryohei; Hayashi, Daisei; Hizukuri, Akiyoshi; Murata, Kan	Segmentation of teeth in panoramic dental X-ray images using U-Net with a loss function weighted on the tooth edge	6	2021	14	1	64	69	10.1007/s12194-020-00603-1
Ota, Ryosuke	Photon counting detectors and their applications ranging from particle physics experiments to environmental radiation monitoring and medical imaging	6	2021	14	2	134	148	10.1007/s12194-021-00615-5
Furuta, Takuya; Sato, Tatsuhiko	Medical application of particle and heavy ion transport code system PHITS	4	2021	14	3	215	225	10.1007/s12194-021-00628-0
Suzuki, Akira; Matsubara, Kosuke; Chusin, Thunyarat; Suzuki, Yuko	Radiation doses to the eye lenses of radiologic technologists who assist patients undergoing computed tomography	3	2021	14	2	167	172	10.1007/s12194-021-00613-7
Nakano, Hisashi; Tanabe, Satoshi; Yamada, Takumi; Utsunomiya, Satoru; Takizawa, Takeshi; Sakai, Madoka; Sasamoto, Ryuta; Sakai, Hironori; Nakano, Toshimichi; Saito, Hirotake; Ohta, Atsushi; Kaidu, Motoki; Ishikawa, Hiroyuki	Maximum distance in single-isocenter technique of stereotactic radiosurgery with rotational error using margin-based analysis	2	2021	14	1	57	63	10.1007/s12194-020-00602-2
Ito, Toshimune; Tsuchikame, Hirotatsu; Ichikawa, Hajime; Onoguchi, Masahisa; Okuda, Koichi; Shibutani, Takayuki; Yokotsuka, Noriyo; Tomizawa, Hiroshi	Verification of phantom accuracy using a Monte Carlo simulation: bone scintigraphy chest phantom	2	2021	14	3	336	344	10.1007/s12194-021-00631-5
Endo, Masahiro; Mori, Shinichiro	Michael Goitein (1939-2016): inventor of three-dimensional planning systems with image-guided beam delivery for radiation therapy	1	2021	14	1	1	5	10.1007/s12194-020-00587-y
Guo, Wei; Gu, Xiaomeng; Fang, Qiming; Li, Qiang	Comparison of performances of conventional and deep learning-based methods in segmentation of lung vessels and registration of chest radiographs	1	2021	14	1	6	15	10.1007/s12194-020-00584-1
Tanaka, Takuro; Matsubara, Kosuke; Kobayashi, Satoshi	Evaluation of peak skin dose during percutaneous coronary intervention procedures: relationship with fluoroscopic pulse rate and target vessel	1	2021	14	1	34	40	10.1007/s12194-020-00599-8
Masuda, Shota; Sugisawa, Koichi; Minamishima, Kazuya; Yamazaki, Akihisa; Jinzaki, Masahiro	Assessment of the image quality of virtual monochromatic spectral computed tomography images: a phantom study considering object contrast, radiation dose, and frequency characteristics	1	2021	14	1	41	49	10.1007/s12194-020-00597-w
Takasumi, Hideaki; Seino, Shinya; Kikori, Katsuyuki; Ishikawa, Hironobu; Kanezawa, Takashi; Bannae, Shuhei; Kuhara, Shigehide; Doi, Kunio	Evaluation of the homogeneity of native T1 myocardial mapping using the polarity corrected inversion time preparation method in a myocardial phantom and healthy volunteers	1	2021	14	1	50	56	10.1007/s12194-020-00601-3
Takahashi, Junji; Machida, Yoshio; Aoba, Minami; Nawa, Yuki; Kamoshida, Ryo; Fukuzawa, Kei; Ohmoto-Sekine, Yuki	Noise power spectrum in compressed sensing magnetic resonance imaging	1	2021	14	1	93	99	10.1007/s12194-021-00608-4
Moussous, Ouiza	Characterization of ferrous-agarose-xylenol gel dosimeter at Co-60 gamma-rays beam therapy unit	1	2021	14	1	105	112	10.1007/s12194-020-00600-4
Doi, Kunio	Message from the retiring Editor-in-Chief	1	2021	14	3	211	211	10.1007/s12194-021-00635-1

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Oya, Megumi; Sugimoto, Satoru; Sasai, Keisuke; Yokoyama, Kazuhito	Investigation of clinical target volume segmentation for whole breast irradiation using three-dimensional convolutional neural networks with gradient-weighted class activation mapping	1	2021	14	3	238	247	10.1007/s12194-021-00620-8
Noufal, Manthala Padannayil; Sharma, Shamurailatpam Dayananda; Patro, Katikeshwar; Arjunan, Manikandan; Krishnan, Ganapathy; Tyagarajan, Rajesh; Rana, Suresh; Chillukuri, Srinivas; Jalali, Rakesh	Impact of spot positional errors in robustly optimized intensity-modulated proton therapy plan of craniospinal irradiation	1	2021	14	3	271	278	10.1007/s12194-021-00625-3
Nemoto, Takafumi; Futakami, Natsumi; Kunieda, Etsuo; Yagi, Masamichi; Takeda, Atsuya; Akiba, Takeshi; Mutu, Eride; Shigematsu, Naoyuki	Effects of sample size and data augmentation on U-Net-based automatic segmentation of various organs	1	2021	14	3	318	327	10.1007/s12194-021-00630-6
Maruyama, Tomoko; Hayashi, Norio; Sato, Yusuke; Ogura, Toshihiro; Uehara, Masumi; Ogura, Akio; Watanabe, Haruyuki; Kitoh, Yoshihiro	Simultaneous brain structure segmentation in magnetic resonance images using deep convolutional neural networks	1	2021	14	4	358	365	10.1007/s12194-021-00633-3