年	大塚助成金	掲載タイトル	掲載著者	頁	掲載号
2013	1	Non-invasive speed of sound measurement in cartilage by use of combined magnetic resonance imaging and ultrasound: an initial study	Takako Aoki, Naotaka Nitta, Akira Furukawa	480	6-2
	2	A new reference point for patient dose estimation in neurovascular interventional radiology	Kohei Kawasaki, Masaharu Imazeki, Ryota Hasegawa, Shinichi Shiba, Hiroyuki Takahashi, Kazuhiko Sato, Jyoji Ota, Hiroaki Suzuki, Kazuo Awai, Hajime Sakamoto, Osamu Tajima, Atsuko Tsukamoto, Tatsuya Kikuchi, Takahiro Kageyama, Kyoichi Kato	349	6-2
	3	Effect of readout direction in the edge profile on the modulation transfer function of computed radiographic systems by use of the edge method	Nobukazu Tanaka, Junji Morishita, Norisato Tsuda, Masafumi Ohki	474	6-2
	4	Computerized image-searching method for finding correct patients for misfiled chest radiographs in a PACS server by use of biological fingerprints	Risa Toge, Junji Morishita, Yasuo Sasaki, Kunio Doi	437	6-2
	5	A comparison of shimming techniques for optimizing fat suppression in MR mammography	Yasuo Takatsu, Kengo Nishiyama, Tosiaki Miyati, Hideto Miyano, Mariko Kajihara, Thai Akasaka	486	6-2
	6	Visual assessment method of angular performance in medical liquid–crystal displays by use of the ANG test pattern: effect of ambient illuminance and effectiveness of modified scoring	Yoichiro Ikushima, Junji Morishita, Hiroshi Akamine, Yasuhiko Nakamura, Noriyuki Hashimoto	57	7-1
	7	A preliminary study for exploring the luminance ratio of liquid-crystal displays required for display of radiographs	Shinya Takarabe, Junji Morishita, Hidetake Yabuuchi, Hiroshi Akamine, Noriyuki Hashimoto, Yasuhiko Nakamura, Yoshio Matsuo, Akiko Hattori	73	7-1
	8	Adapting non-local means of de-noising in intraoperative magnetic resonance imaging for brain tumor surgery	Takashi Mizukuchi, Masazumi Fujii, Yuichiro Hayashi, Masatoshi Tsuzaka	124	7-1
	9	Evaluation of the effectiveness of X-ray protective aprons in experimental and practical fields	Hiroshige Mori, Kichiro Koshida, Osamu Ishigamori, Kosuke Matsubara	158	7-1
2014	10	Optimization of acquisition parameters and accuracy of target motion trajectory for four-dimensional cone-beam computed tomography with a dynamic thorax phantom	Yoshinobu Shimohigashi, Fujio Araki, Masato Maruyama, Yuji Nakaguchi, Kengo Nakato, Nozomu Nagasue, Yudai Kai	97	8-1
2015	11	Dynamic positioning accuracy of a novel multileaf collimator for volumetric modulated arc therapy	Yuji Nakaguchi, Takeshi Ono, Ryota Onizuka, Masato Maruyama, Yoshinobu Shimohigashi, Yudai Kai	121	9-1
	12	Evaluation of the effects of subject thickness on the exposure index in digital radiography	Takeshi Takaki, Kazuki Takeda, Seiichi Murakami, Haruhisa Ogawa, Masato Ogawa, Masatoshi Sakamoto	116	9-1
2016	13	Verification of the dose attenuation of a newly developed vacuum cushion for intensity-modulated radiation therapy of prostate cancer	Toru Takakura, Yoshiyuki Ito, Akinori Higashikawa, Tomohiro Nishiyama, Takashi Sakamoto	270	9-2
	14	Estimation of ambient dose equivalent distribution in the 18F-FDG administration room using Monte Carlo simulation	Shuji Nagamine, Toshioh Fujibuchi, Yoshiyuki Umezu, Kazuhiko Himuro, Shinichi Awamoto, Yuji Tsutsui, Yasuhiko Nakamura	121	10-1
2017	15	Quantification of the accuracy limits of image registration using peak signal-to-noise ratio	Yoshinori Tanabe, Takayuki Ishida	91	10-1
2017	16	Effective luminance deterioration of medical liquid crystal displays in clinical use	Keita Takahashi, Shinichi Awamoto, Shinya Takarabe, Kazuhisa Ogawa, Yasuhiko Nakamura	382	10-3
	17	Evaluation of six-point modified dixon and magnetic resonance spectroscopy for fat quantification: a fat-water-iron phantom study	Kei Fukuzawa, Tatsuya Hayashi, Junji Takahashi, Chiharu Yoshihara, Masakatsu Tano, Jun□chi Kotoku, Satoshi Saitoh	349	10-3
	18	Influence of Gd-EOB-DTPA on proton density fat fraction using the six-echo Dixon method in 3 Tesla magnetic resonance imaging	Tatsuya Hayashi, Kei Fukuzawa, Hiroshi Kondo, Hiroshi Onodera, Shuji Toyotaka, Rie Tojo, Shimpei Yano, Masakatsu Tano, Tosiaki Miyati, Jun ichi Kotoku, Takahide Okamoto, Keiko Toyoda, Hiroshi Oba	483	10-4
	19	Clinical utility of ultra-low-dose pre-test exposure to avoid unnecessary patient exposure due to positioning errors: a simulation study	Hideo Nose, Junji Shiraishi	489	10-4
	20	Usefulness of model-based iterative reconstruction in semi-automatic volumetry for ground-glass nodules at ultra-low-dose CT: a phantom study	Shuki Maruyama, Yasuhiro Fukushima, Yuta Miyamae, Koji Koizumi	235	11-02
2018	21	Commissioning and validation of fluence-based 3D VMAT dose reconstruction system using new transmission detector	Yuji Nakaguchi Takeshi OonoMasato MaruyamaYoshinobu Shimohigashi Yudai KaiYuya Nakamura	165	11-2
	22	Influence of arm position and respiration technique during liver examinations on the detectability of mammary lesions	Yasuo Takatsu Yuko ShimadaTosiaki MiyatiToshiki Shiozaki Katsusuke Kyotani	328	11-3
	23	Influence of Gd-EOB-DTPA on T1 dependence of the proton density fat fraction using magnetic resonance spectroscopy	Tatsuya Hayashi Kei FukuzawaHiroshi KondoHiroshi OnoderaRie TojoShimpei Yano Tosiaki Miyati Jun'ichi KotokuTakahide Okamoto Keiko Toyoda Hiroshi Oba	338	11-3
	24	Evaluation of local look diffusion tensor imaging for magnetic resonance tractography of the periprostatic neurovascular bundle	Wataru Jomoto authorMasao TanookaTsukasa WakayamaTakahiro MinamotoToru SuzukiReiichi Ishikura	353	11-3
	25	Clinical application of biological fingerprints extracted from averaged chest radiographs and template-matching technique for preventing left–right flipping mistakes in chest radiography	Yuki Sakai authorKeita TakahashiYoichiro ShimizuEmi IshibashiToyoyuki KatoJunji Morishita	216	12-2
2019	26	Are the recorded data of flash glucose monitoring systems influenced by radiological examinations?	Yasuo Takatsu,Toshiki ShiozakiTosiaki MiyatiMasaki AsaharaYuji Tani	224	12-2
	27	Dosimetric assessment of a single-energy metal artifact reduction algorithm for computed tomography images in radiation therapy	Hiroo Murazaki, Junichi Fukunaga, Taka-aki Hirose, Naomi Funatsu, Ryoji Matsumoto, Kyohei Hidaka, Shuji Nagamine, Daiki Nakanishi, Toyoyuki Kato	268	12-3

	28	Evaluating the effectiveness of a single CT method for attenuation correction in stress-rest myocardial perfusion imaging with thallium-201 chloride SPECT	Mitsuha Fukami, Kiyoshi Tamura, Yuya Nakamura, Syoichi Nakatsukasa, Masayuki Sasaki	20	13-1
	29	Long-term stability of a three-dimensional dose verification system	Motoharu Sasaki, Hitoshi Ikushima, Wataru Sugimoto, Kenta Kitagawa	83	13-1
2020	30	Systolic modified Look–Locker inversion recovery myocardial T1 mapping improves the accuracy of T1 and extracellular	Hirohiko Shinbo, Satoshi Tomioka, Toshihiko Ino, Keiko Koyama	405	13-4
2021	31	Evaluation of contrast and denoising effects related to imaging parameters of compressed sensitivity encoding in contrast-enhanced magnetic resonance imaging	Yasuo Takatsu, Masafumi Nakamura, Takanobu Yamashiro, Atsushi Ikemoto, Satoshi Sawa, Masanobu Nakamura, Tosiaki Miyati	193	14-2
2022	32	The utility of using TACE-assisted software with CBCT in colonic diverticular bleeding without extravascular leakage		10	15-2
	33	Variability in contrast and apparent diffusion coefficient of kiwifruit used as prostate MRI phantom: 1-week validation		424	15-4
	34	Development and practical evaluation of a saturation effect learning simulator for inflow magnetic resonance angiography	HatakeHayashi Tatsuya; Yano, Shimpei; Kojima, Shinya; Ito, Toshimuneyama, Norishige; Kobayashi, Shunichi	358	15-4
2023	35	Effect of acoustic noise reduction technology on image quality: a multivendor study	Yamashiro, Takanobu; Takatsu, Yasuo; Morita, Kosuke; Nakamura, Masafumi; Yukimura, Yoshihiro; Nakajima, Kazuhiro	235	16-2
	36	Modulation transfer function measurement of three-dimensional T1-weighted turbo spin echo sequence with low refocusing flip angles using single-plate method	Yoshida, Rei; Machida, Yoshio	346	16-2
	37	Impact of list-mode reconstruction and image-space point spread function correction on PET image contrast and quantitative value using SiPM-based PET/CT system	Shirakawa, Yuya; Matsutomo, Norikazu	384	16-3
	38	Novel method for calculating the effective dose using size-specific dose estimates conversion factors in abdomen–pelvis computed tomography	Funashima, Kentaro; Abiko, Shigeru; Sato, Kazuhiro	506	16-4
2024	39	Can bile excretion on Gd-EOB-MRI be used as a visual criterion for the hepatobiliary phase?	Masafumi Nakamura, Yasuo Takatsu, Mutsumi Yoshizawa, Satoshi Kobayashi & Tosiaki Miyati	147	18-1