Author Full Names	Article Title	Times Cited, WoS Core	Public ation Year	Volum e	Issue	Start Page	End Page	DOI	SheardIt
Saito, Shigeyoshi; Takahashi, Yusuke; Ohki, Akiko; Shintani, Yasunori; Higuchi, Takahiro	Early detection of elevated lactate levels in a mitochondrial disease model using chemical exchange saturation transfer (CEST) and magnetic resonance spectroscopy (MRS) at 7T-MRI	11	2019	12	1	46	54	10.1007/s12194-018-0490-1	https://rdcu.be/cfeax
Hashimoto, Fumio; Kakimoto, Akihiro; Ota, Nozomi; Ito, Shigeru; Nishizawa, Sadahiko	Automated segmentation of 2D low-dose CT images of the psoas-major muscle using deep convolutional neural networks	9	2019	12	2	210	215	10.1007/s12194-019-00512-y	https://rdcu.be/cfecj
Mehnati, Parinaz; Malekzadeh, Reza; Sooteh, Mohammad Yousefi	Use of bismuth shield for protection of superficial radiosensitive organs in patients undergoing computed tomography: a literature review and meta-analysis	9	2019	12	1	6	25	10.1007/s12194-019-00500-2	https://rdcu.be/cfeaL
Kaji, Shizuo; Kida, Satoshi	Overview of image-to-image translation by use of deep neural networks: denoising, super-resolution, modality conversion, and reconstruction in medical imaging	7	2019	12	3	235	248	10.1007/s12194-019-00520-y	https://rdcu.be/cfecV
Malekzadeh, Reza; Mehnati, Parinaz; Sooteh, Mohammad Yousefi; Mesbahi, Asghar	Influence of the size of nano- and microparticles and photon energy on mass attenuation coefficients of bismuth-silicon shields in diagnostic radiology	7	2019	12	3	325	334	10.1007/s12194-019-00529-3	https://rdcu.be/cfedI
Terashima, Marin; Mizonobe, Kazufusa; Date, Hiroyuki	Determination of appropriate conversion factors for calculating size-specific dose estimates based on X-ray CT scout images after miscentering correction	4	2019	12	3	283	289	10.1007/s12194-019-00519-5	https://rdcu.be/cfedf
Coppeta, Luca; Pietroiusti, Antonio; Neri, Anna; Spataro, Agostino; De Angelis, Elisabetta; Perrone, Stefano; Magrini, Andrea	Risk of radiation-induced lens opacities among surgeons and interventional medical staff	4	2019	12	1	26	29	10.1007/s12194-018-0487-9	https://rdcu.be/cfeaq
Karim, M. K. A.; Sabarudin, A.; Muhammad, N. A.; Ng, K. H.	A comparative study of radiation doses between phantom and patients via CT angiography of the intra-/extra-cranial, pulmonary, and abdominal/pelvic arteries	3	2019	12	4	374	381	10.1007/s12194-019-00532-8	https://rdcu.be/cfed7
Mostafa, Mostafa Y. A.; Zakaly, Hesham M. H.; Zhukovsky, Michael	Assessment of exposure after injection of Tc-99m-labeled intact monoclonal antibodies and their fragments into humans	3	2019	12	1	96	104	10.1007/s12194-018-00496-1	https://rdcu.be/cfeaG
Ito, Hajime; Kobayashi, Ikuo; Watanabe, Kazutoshi; Ochi, Shigehiro; Yanagawa, Noriyuki	Evaluation of scattered radiation from fluoroscopy using small OSL dosimeters	2	2019	12	4	393	400	10.1007/s12194-019-00536-4	https://rdcu.be/cfeed

Tajudin, Suffian M.; Tabbakh, F.	Biological polymeric shielding design for an X-ray laboratory using Monte Carlo codes	2	2019	12	3	299	304	10.1007/s12194-019-00522-w	https://rdcu.be/cfedi
Asada, Yasuki; Ichikawa, Takuma	Consideration of diagnostic reference levels for pediatric chest X-ray examinations	1	2019	12	4	382	387	10.1007/s12194-019-00533-7	https://rdcu.be/cfeea
Inokuchi, Yasuhiro; Koya, Saki; Uematsu, Masahiro; Takashina, Tsuneyuki	Usefulness of the frontal lobe bottom and cerebellum tuber vermis line as an alternative clue to set the axial angle parallel to the AC-PC line in I-123 IMP SPECT imaging: a retrospective study	1	2019	12	4	388	392	10.1007/s12194-019-00535-5	https://rdcu.be/cfeeb
Islam, Md. Shahidul; Watanuki, Shoichi; Tashiro, Manabu; Watabe, Hiroshi	Error evaluation of the D-shuttle dosimeter technique in positron emission tomography study	1	2019	12	4	363	373	10.1007/s12194-019-00530-w	https://rdcu.be/cfed4
Ginat, Daniel Thomas; Collins, John; Christov, Florian; Nelson, Erik G.; Gluth, Michael B.	Delineation of the intratemporal facial nerve in a cadaveric specimen on diffusion tensor imaging using a 9.4 T magnetic resonance imaging scanner: a technical note	1	2019	12	3	357	361	10.1007/s12194-019-00528-4	https://rdcu.be/cfedA
Ikeno, Hiroyasu; Sakai, Koji; Imai, Hiroshi; Mizuta, Masayoshi; Nakagawa, Toshiaki; Goto, Mariko; Kishida, Tsunao; Mazda, Osam; Yamada, Kei	Effects of different fat-suppression methods on T1 values in dynamic contrast-enhanced magnetic resonance imaging: a phantom study	1	2019	12	3	335	342	10.1007/s12194-019-00521-x	https://rdcu.be/cfedm
Minoura, Natsuki; Teramoto, Atsushi; Ito, Akari; Yamamuro, Osamu; Nishio, Masami; Saito, Kuniaki; Fujita, Hiroshi	A complementary scheme for automated detection of high-uptake regions on dedicated breast PET and whole-body PET/CT	1	2019	12	3	260	267	10.1007/s12194-019-00516-8	https://rdcu.be/cfecZ
Mizuno, Norifumi; Yamauchi, Ryouhei; Kawamori, Jiro; Itazawa, Tomoko; Shimbo, Munefumi; Nishimura, Keiichiro; Yamano, Takafumi; Hatanaka, Shogo; Hariu, Masatsugu; Takahashi, Takeo	Evaluation of a new commercial automated planning software for tangential breast intensity-modulated radiation therapy	1	2019	12	3	249	259	10.1007/s12194-019-00515-9	https://rdcu.be/cfecX
Takahashi, Yoshiyuki; Tsuchitani, Tatsuya; Kotoura, Noriko; Kitajima, Kazuhiro	Influence of image noise and object size on segmentation accuracy of FDG-PET imaging: a phantom experiment	1	2019	12	3	343	350	10.1007/s12194-019-00525-7	https://rdcu.be/cfedo
de Souza, Edna Marina; Costa, Eduardo Tavares; Castellano, Gabriela	Investigation of anisotropic fishing line-based phantom as tool in quality control of diffusion tensor imaging	1	2019	12	2	161	171	10.1007/s12194-019-00507-9	https://rdcu.be/cfeca
Kanazawa, Yuki; Matsumoto, Yuki; Harada, Masafumi; Hayashi, Hiroaki; Matsuda, Tsuyoshi; Otsuka, Hideki	Appropriate echo time selection for quantitative susceptibility mapping	1	2019	12	2	185	193	10.1007/s12194-019-00513-x	https://rdcu.be/cfece

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Mohammadi-Sardo, Saber; Labibi, Fateme; Shafiei, Seyed Ali	A new approach for detecting abnormalities in mammograms using a computer-aided windowing system based on Otsu's method	1	2019	12	2	178	184	10.1007/s12194-019-00509-7	https://rdcu.be/cfecd
Sato, Kazuhiro; Kageyama, Ryota; Tomita, Yu; Takane, Yum; Saito, Haruo	Estimation and validation of the frequency responses of a scanner system and an image reconstruction system in X-ray computed tomography	1	2019	12	2	201	209	10.1007/s12194-019-00506-w	https://rdcu.be/cfeci
Takatsu, Yasuo; Shiozaki, Toshiki; Miyati, Tosiaki; Asahara, Masaki; Tani, Yuji	Are the recorded data of flash glucose monitoring systems influenced by radiological examinations?	1	2019	12	2	224	229	10.1007/s12194-019-00505-x	https://rdcu.be/cfecl
Tran Thi Thao Nguyen; Arimura, Hidetaka; Asamura, Ryosuke; Hirose, Taka-aki; Ohga, Saiji; Fukunaga, Jun-ichi	Comparison of volumetric-modulated arc therapy and intensity-modulated radiation therapy prostate cancer plans accounting for cold spots	1	2019	12	2	137	148	10.1007/s12194-019-00502-0	https://rdcu.be/cfeb7
Ashiba, Hiroshi; Nakayama, Ryohei	Computerized evaluation scheme to detect metastasis in sentinel lymph nodes using contrast-enhanced computed tomography before breast cancer surgery	1	2019	12	1	55	60	10.1007/s12194-018-00491-6	https://rdcu.be/cfeaz
Nakane, Jun; Honda, Norinari; Tsuchiya, Kazuhiro	Computed tomography pulmonary angiography and venography with a low dose of contrast medium	1	2019	12	1	61	68	10.1007/s12194-018-00492-5	https://rdcu.be/cfeaA
Saito, Masatoshi	Simulation of photon-counting detectors for conversion of dual-energy-subtracted computed tomography number to electron density	1	2019	12	1	105	117	10.1007/s12194-018-00497-0	https://rdcu.be/cfeaK