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No.	Title	authors	journal	published	SJR	cite score	cited by
1	Evaluation of Thermal Properties of Ferromagnetic Core for Treatment of Solid Tumors by Electromagnetic Induction Hyperthermia	Mohagheghpour, E., Sheibani, S., Saber, R., (...), Sarkar, S., Nezamdust, A.	Journal of Biomedical Physics and Engineering	2023	0.333	3	2
2	Impact of Various Image Reconstruction Methods on Joint Compensation of Respiratory Motion and Partial Volume Effects in Whole-Body18F-FDG PET/CT Imaging: Patients with Non-Small Cell Lung Cancer	Ghafarian, P., Rezaei, S., Gharepapagh, E., Sarkar, S., Ay, M.R.	Iranian South Medical Journal	2022	0.15	0.5	1
3	Standard-dose PET reconstruction from low-dose preclinical images using an adopted all convolutional U-Net	Amirrashedi, M., Sarkar, S., Ghadiri, H., Ghafarian, P., Ay, M.R.	Progress in Biomedical Optics and Imaging Proceedings of SPIE	2021	0.199	1	3
4	A deep neural network to recover missing data in small animal pet imaging: Comparison between sinogram-and image-domain implementations	Amirrashedi, M., Sarkar, S., Ghadiri, H., (...), Zaidi, H., Ay, M.R.	Proceedings International Symposium on Biomedical Imaging	2021	0	2.5	7

No.	Title	authors	journal	published	SJR	cite score	cited by
5	The effect of magnetic field strength on the positron range and projected annihilation artifact in integrated PET/MR systems: A GATE Monte Carlo study	Barati, S., Enferadi, M., Sarkar, S., Geramifar, P.	Medical Physics	2021	0.986	6.4	1
6	Leveraging deep neural networks to improve numerical and perceptual image quality in low-dose preclinical PET imaging	Amirrashedi, M., Sarkar, S., Mamizadeh, H., (...), Zaidi, H., Ay, M.R.	Computerized Medical Imaging and Graphics	2021	1.27	10.9	7
7	The impact of iterative reconstruction protocol, signal-to-background ratio and background activity on measurement of PET spatial resolution	Rezaei, S., Ghafarian, P., Bakhshayesh-Karam, M., (...), Sarkar, S., Ay, M.R.	Japanese Journal of Radiology	2020	0.757	5.5	8
8	Corrigendum to "Targeted gold nanoparticles enable molecular CT imaging of head and neck cancer: An in vivo study" (International Journal of Biochemistry and Cell Biology (2019) 114, (S1357272519301256), (10.1016/j.biocel.2019.06.002))	Khademi, S., Sarkar, S., Shakeri-Zadeh, A., (...), Azimian, H., Ghadiri, H.	International Journal of Biochemistry and Cell Biology	2020	0.969	6.6	2
9	Investigation of a Hybrid Kinematic Calibration Method for the 'Sina' Surgical Robot	Alamdar, A., Samandi, P., Hanifeh, S., (...), Farahmand, F., Sarkar, S.	IEEE Robotics and Automation Letters	2020	1.481	10.3	16
10	Treatment of breast cancer-bearing balb/c mice with magnetic hyperthermia using dendrimer functionalized iron-oxide nanoparticles	Salimi, M., Sarkar, S., Hashemi, M., Saber, R.	Nanomaterials	2020	0.811	9.2	64
11	Development and preliminary results of Xtrim-PET, a modular cost-effective preclinical scanner	Sajedi, S., Zeraatkar, N., Taheri, M., (...), Sabet, H., Ay, M.R.	Nuclear Instruments and Methods in Physics Research Section A Accelerators Spectrometers Detectors and Associated Equipment	2019	0.451	2.9	9
12	Targeted gold nanoparticles enable molecular CT imaging of head and neck cancer: An in vivo study	Khademi, S., Sarkar, S., Shakeri-Zadeh, A., (...), Azimian, H., Ghadiri, H.	International Journal of Biochemistry and Cell Biology	2019	0.969	6.6	55

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Row	title	author	University	Approval date	Termination date	Condition
1	Investigating of the effects of magnetized water on the analgesic effect of morphine in rats	Nasrin Ghasemi,Seyed Mahdi Rezayat Sorkhabadi,Seyyedeh Elaheh Mousavi,Saeid Sarkar	Tehran Medical Sciences	03/01/2025	03/02/2025	Monitoring/Enforcement
2	Clinical effectiveness assessment of Blood circulation facilitating device (DVT pump) :DVT01-manufactured by Ariana diagnostic Equipment company	Soheila Damiri,Farzad Farahmand,Radinmanesh Maryam,Samrand Fattah Ghazi,Saeid Sarkar,Mehrangiz Radinmanesh,Fatemeh Talei Khatibi,Atiyeh Yaghoobiy	Tehran Medical Sciences	12/01/2024	12/02/2024	Monitoring/Enforcement

Row	title	author	University	Approval date	Termination date	Condition
3	Prospective Evaluation of nanopharmaceutical industry from economical, technological and regulatory point of view by 2030	Seyed Mahdi Rezayat Sorkhabadi,Abbas Kebriaeizadeh,Mohamad Raoofi,Saeid Sarkar,Milad Aslani	Tehran Medical Sciences	07/11/2022	07/05/2023	terminated
4	Design and implementation of a PET detction module with positioning and time stamping capability of coincidence photons based on SiPM technology	Mohammad-Reza I,Salar Sajedi,Saeid Sarkar	Tehran Medical Sciences	05/08/2016	05/09/2016	terminated
5	Investigating the presence of diagnostic nanocomplex containing gold nano particles conjugated with folic acid in human nasopharyngeal tumoral cells through molecular dual-Energy computed tomography	Sara Khademi,Mohammad-Reza I,Ali Skakerizadeh,Hossein Ghadiri Heravani,Saeid Sarkar	Tehran Medical Sciences	18/03/2016	18/04/2016	terminated
6	Preparation and evaluation of Super paramagnetic iron oxide nano-particle conjugated with Bombesin for detection of Breast Cancer tumors in MRI and PET imaging modalities	Afsaneh Lahooti,Saeid Sarkar	Tehran Medical Sciences	06/02/2015	01/01/1970	doing
7	Quantitative evaluation of the magnetic field effect on positron range and estimate its effect on PET image resolution, in Integrated PET/MR systems using monte carlo simulation	Sepideh Barati,Saeid Sarkar,Parham Geramifar	Tehran Medical Sciences	07/03/2016	07/04/2016	terminated
8	Implementation of Advanced Ultrasound Elastography Algorithms on FPGA	Bahar Maki,Ali Ahmadzadeh,Mohammad Dehnavi,Seyed Hani Hojabr,Saeid Sarkar	Tehran Medical Sciences	03/01/2020	01/01/1970	doing
9	Dual contrast agents in PET/MRI: a systematic review	Saeid Sarkar	Tehran Medical Sciences	21/08/2015	21/09/2015	terminated
10	Comparison study of different image reconstruction methods and their impact on combined correction of partial volume effect and motion artifact for quantification of lung tumor in FDG PET/CT	Saeid Sarkar	Tehran Medical Sciences	20/12/2016	20/01/2017	terminated
11	Investigating the presence of diagnostic nanocomplex containing gold nano particles conjugated with folic acid in human nasopharyngeal tumoral cells through molecular dual-Energy computed tomography	Saeid Sarkar	Tehran Medical Sciences	28/04/2016	28/05/2016	terminated
12	Investigating the distribution of diagnostic nanocomplex in invivo study through computed tomography	Saeid Sarkar	Tehran Medical Sciences	20/07/2016	20/08/2016	terminated
13	Preparation and evaluation of Super paramagnetic iron oxide nano-particle conjugated with Bombesin for detection of Breast Cancer tumors in MRI and PET imaging modalities	Saeid Sarkar	Tehran Medical Sciences	21/08/2015	21/09/2015	terminated
14	Effects of magnetic hyperthermia using PAMAM dendrimer attached magnetic iron oxide nanoparticles on cancer cells in vitro and in animal models of breast cancer	Saeid Sarkar	Tehran Medical Sciences	21/08/2015	21/09/2015	terminated
15	The synthesis of mesoporous nanoparticles containing cisplatin and in vitro evaluation of antitumor effects in C-26 cell lines and in vivo in colon carcinoma bearing mice.	Saeid Sarkar	Tehran Medical Sciences	05/10/2012	05/11/2012	terminated
16	Isolation-Properties study on the mitochondrial receptor for the porphyllerene medicinal nanoparticle intake in rat myocardium, an affinity chromatographic approach	Seyed Mahdi Rezayat Sorkhabadi,Seyedvahid Shetabboushehri,Saeid Sarkar	Tehran Medical Sciences	10/02/2006	10/03/2006	terminated

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