

- Rezaei, A, Koulouri, A & Pursiainen, S 2020, 'Randomized Multiresolution Scanning in Focal and Fast E/MEG Sensing of Brain Activity with a Variable Depth', *Brain Topography*, vol. 33, no. 2, pp. 161-175. <https://doi.org/10.1007/s10548-020-00755-8>
- Koljonen, V, Koskela, O, Montonen, T, Rezaei, A, Belay, B, Figueiras, E, Hyttinen, J & Pursiainen, S 2019, 'A mathematical model and iterative inversion for fluorescent optical projection tomography', *Physics in Medicine and Biology*, vol. 64, no. 4, 045017. <https://doi.org/10.1088/1361-6560/aafd63>
- Jääntti, V, Ylinen, T, Subramaniam, NP, Kamata, K, Yli-Hankala, A, Kauppinen, P & Sonkajärvi, E 2018, 'Electroencephalographic signals during anesthesia recorded from surface and depth electrodes', *International Journal of Radiation Biology*, vol. 94, no. 10, pp. 934-943. <https://doi.org/10.1080/09553002.2018.1478159>
- Abu Khamidakh, AE, Rodriguez-Martinez, A, Kaarniranta, K, Kallioniemi, A, Skottman, H, Hyttinen, J & Juuti-Uusitalo, K 2018, 'Wound healing of human embryonic stem cell-derived retinal pigment epithelial cells is affected by maturation stage', *BioMedical Engineering Online*, vol. 17, no. 1, 102. <https://doi.org/10.1186/s12938-018-0535-z>
- Bötttrich, M, Tanskanen, JMA & Hyttinen, JAK 2017, 'Lead field theory provides a powerful tool for designing microelectrode array impedance measurements for biological cell detection and observation', *BioMedical Engineering Online*, vol. 16, no. 1, 85. <https://doi.org/10.1186/s12938-017-0372-5>
- Kauppi, J-P, Pajula, J, Niemi, J, Hari, R & Tohka, J 2017, 'Functional brain segmentation using inter-subject correlation in fMRI', *Human Brain Mapping*, vol. 38, no. 5, pp. 2643-2665. <https://doi.org/10.1002/hbm.23549>
- Vorwerk, J, Engwer, C, Pursiainen, S & Wolters, CH 2017, 'A Mixed Finite Element Method to Solve the EEG Forward Problem', *IEEE Transactions on Medical Imaging*, vol. 36, no. 4, 7731161, pp. 930-941. <https://doi.org/10.1109/TMI.2016.2624634>
- Borges, LR, Guerrero, I, Bakic, PR, Foi, A, Maidment, ADA & Vieira, MAC 2017, 'Method for Simulating Dose Reduction in Digital Breast Tomosynthesis', *IEEE Transactions on Medical Imaging*, vol. 36, no. 11, pp. 2331-2342. <https://doi.org/10.1109/TMI.2017.2715826>
- Ilvesmäki, T, Koskinen, E, Brander, A, Luoto, T, Öhman, J & Eskola, H 2017, 'Spinal cord injury induces widespread chronic changes in cerebral white matter', *Human Brain Mapping*, vol. 38, no. 7, pp. 3637-3647. <https://doi.org/10.1002/hbm.23619>
- Lenk, K, Priwitzer, B, Ylä-Outinen, L, Tietz, LHB, Narkilahti, S & Hyttinen, JAK 2016, 'Simulation of developing human neuronal cell networks', *BioMedical Engineering Online*, vol. 15, no. 1, 105. <https://doi.org/10.1186/s12938-016-0226-6>
- Tarao, H, Miyamoto, H, Korpinen, L, Hayashi, N & Isaka, K 2016, 'Simple estimation of induced electric fields in nervous system tissues for human exposure to non-uniform electric fields at power frequency', *Physics in Medicine and Biology*, vol. 61, no. 12, pp. 4438-4451. <https://doi.org/10.1088/0031-9155/61/12/4438>
- Farah, J, Struelens, L, Auvinen, A, Jacob, S, Koukorava, C, Schnelzer, M, Vanhavere, F & Clairand, I 2015, 'Application of the ELDO approach to assess cumulative eye lens doses for interventional cardiologists', *Radiation Protection Dosimetry*, vol. 164, no. 1-2, ncu315, pp. 84-88. <https://doi.org/10.1093/rpd/ncu315>
- Sikiö, M, Holli-Helenius, KK, Harrison, LCV, Ryymin, P, Ruottinen, H, Saunamäki, T, Eskola, HJ, Elovaara, I & Dastidar, P 2015, 'MR image texture in Parkinson's disease: A longitudinal study', *Acta Radiologica*, vol. 56, no. 1, pp. 97-104. <https://doi.org/10.1177/0284185113519775>
- Brander, A, Koskinen, E, Luoto, TM, Hakulinen, U, Helminen, M, Savilahti, S, Ryymin, P, Dastidar, P & Öhman, J 2014, 'Diffusion tensor imaging of the cervical spinal cord in healthy adult population: Normative values and measurement reproducibility at 3t mri', *Acta Radiologica*, vol. 55, no. 4, pp. 478-485. <https://doi.org/10.1177/0284185113499752>

Laaksomaa, M, Kapanen, M, Tulijoki, T, Peltola, S, Hyödynmaa, S & Kellokumpu-Lehtinen, PL 2014, 'Evaluation of overall setup accuracy and adequate setup margins in pelvic image-guided radiotherapy: Comparison of the male and female patients', *MEDICAL DOSIMETRY*, vol. 39, no. 1, pp. 74-78. <https://doi.org/10.1016/j.meddos.2013.09.009>

Farah, J, Struelens, L, Dabin, J, Koukorava, C, Donadille, L, Jacob, S, Schnelzer, M, Auvinen, A, Vanhavere, F & Clairand, I 2013, 'A correlation study of eye lens dose and personal dose equivalent for interventional cardiologists', *Radiation Protection Dosimetry*, vol. 157, no. 4, nct180, pp. 561-569. <https://doi.org/10.1093/rpd/nct180>

Ernst, O, Thuret, I, Petit, P, Ameer, F, Loundou, AD, de Kerviler, E, Izzillo, R, Willig, AL, Pascal, L, Verlhac, S, Mordon, S, Fenaux, P & Rose, C 2013, 'Iron overload of hematological origin: validation of a screening procedure for cardiac overload by MRI in routine clinical practice.', *Diagnostic and interventional imaging*, vol. 94, no. 6, pp. 601-608.

Boulouis, G, Marmin, C, Lemaire, S, Boury, S, Sergent, G, Mordon, S & Ernst, O 2013, 'CT and MRI imaging at the acute phase of inaugural non-traumatic hepatic haemorrhages', *JOURNAL DE RADIOLOGIE DIAGNOSTIQUE ET INTERVENTIONNELLE*, vol. 94, no. 3, pp. 292-299. <https://doi.org/10.1016/j.diii.2012.09.004>

Paci, M, Sartiani, L, Del Lungo, M, Jaconi, M, Mugelli, A, Cerbai, E & Severi, S 2012, 'Mathematical modelling of the action potential of human embryonic stem cell derived cardiomyocytes', *BioMedical Engineering Online*, vol. 11, 61. <https://doi.org/10.1186/1475-925X-11-61>

Pursiainen, S, Lucka, F & Wolters, CH 2012, 'Complete electrode model in EEG: Relationship and differences to the point electrode model', *Physics in Medicine and Biology*, vol. 57, no. 4, pp. 999-1017. <https://doi.org/10.1088/0031-9155/57/4/999>

Marmin, C, Toledano, M, Lemaire, S, Boury, S, Mordon, S & Ernst, O 2012, 'Computed tomography of the parathyroids: The value of density measurements to distinguish between parathyroid adenomas of the lymph nodes and the thyroid parenchyma', *Diagnostic and interventional imaging*, vol. 93, no. 7-8, pp. 597-603. <https://doi.org/10.1016/j.diii.2012.05.008>

Betrouni, N, Lopes, R, Puech, P, Colin, P & Mordon, S 2011, 'A model to estimate the outcome of prostate cancer photodynamic therapy with TOOKAD soluble WST11', *Physics in Medicine and Biology*, vol. 56, no. 15, pp. 4771-4783. <https://doi.org/10.1088/0031-9155/56/15/009>

Marqa, MF, Colin, P, Nevoux, P, Mordon, SR & Betrouni, N 2011, 'Focal Laser Ablation of Prostate Cancer: Numerical Simulation of Temperature and Damage Distribution', *BioMedical Engineering Online*, vol. 10, 45. <https://doi.org/10.1186/1475-925X-10-45>

Pyysalo, LM, Keski-Nisula, LH, Niskakangas, TT, Kähärä, VJ & Öhman, JE 2011, 'Long-term MRI findings of patients with embolized cerebral aneurysms', *Acta Radiologica*, vol. 52, no. 2, pp. 204-210. <https://doi.org/10.1258/ar.2010.100127>