

- 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*. 157(4):561-569. <https://doi.org/10.1093/rpd/nct180>
- 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*. 64(4). <https://doi.org/10.1088/1361-6560/aafd63>
- 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*. 36(4):930-941. <https://doi.org/10.1109/TMI.2016.2624634>
- 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*. 56(15):4771-4783. <https://doi.org/10.1088/0031-9155/56/15/009>
- 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*. 164(1-2):84-88. <https://doi.org/10.1093/rpd/ncu315>
- 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*. 57(4):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*. 93(7-8):597-603. <https://doi.org/10.1016/j.diii.2012.05.008>
- 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*. 94(3):292-299. <https://doi.org/10.1016/j.diii.2012.09.004>
- 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*. 55(4):478-485. <https://doi.org/10.1177/0284185113499752>
- Jäntti 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*. 94(10):934-943. <https://doi.org/10.1080/09553002.2018.1478159>
- 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*. 39(1):74-78. <https://doi.org/10.1016/j.meddos.2013.09.009>
- 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*. 10. <https://doi.org/10.1186/1475-925X-10-45>
- Kauppi J-P, Pajula J, Niemi J, Hari R, Tohka J. 2017. Functional brain segmentation using inter-subject correlation in fMRI. *Human Brain Mapping*. 38(5):2643-2665. <https://doi.org/10.1002/hbm.23549>
- Ernst O, Thuret I, Petit P, Ameur 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*. 94(6):601-608.

Böttrich 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*. 16(1). <https://doi.org/10.1186/s12938-017-0372-5>

Pyysalo LM, Keski-Nisula LH, Niskakangas TT, Kähärä VJ, Öhman JE. 2011. Long-term MRI findings of patients with embolized cerebral aneurysms. *Acta Radiologica*. 52(2):204-210. <https://doi.org/10.1258/ar.2010.100127>

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*. 11. <https://doi.org/10.1186/1475-925X-11-61>

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*. 36(11):2331-2342. <https://doi.org/10.1109/TMI.2017.2715826>

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*. 56(1):97-104. <https://doi.org/10.1177/0284185113519775>

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*. 33(2):161-175. <https://doi.org/10.1007/s10548-020-00755-8>

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*. 61(12):4438-4451. <https://doi.org/10.1088/0031-9155/61/12/4438>

Lenk K, Priwitzer B, Ylä-Outinen L, Tietz LHB, Narkilahti S, Hyttinen JAK. 2016. Simulation of developing human neuronal cell networks. *BioMedical Engineering Online*. 15(1). <https://doi.org/10.1186/s12938-016-0226-6>

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*. 38(7):3637-3647. <https://doi.org/10.1002/hbm.23619>

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*. 17(1). <https://doi.org/10.1186/s12938-018-0535-z>