

## Publications: Urban Marhl

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- Urban Marhl, Anna Jodko-Wladzinska, Rüdiger Brühl, Tilmann Sander, Vojko Jazbinšek, "Transforming and comparing data between standard SQUID and OPM-MEG systems", *PLoS One*, **17**(1), 0262669, (2022); doi: [10.1371/journal.pone.0262669](https://doi.org/10.1371/journal.pone.0262669)
- Tilmann Sander, Urban Marhl, Vojko Jazbinšek, "Avoiding non-linearity of optically pumped magnetometer MEG within an actively shielded two-layer mu-metal room", *Current Directions in Biomedical Engineering*, **7**(2): 543-546, (2021); doi: [10.1515/cdbme-2021-2138](https://doi.org/10.1515/cdbme-2021-2138)
- Tilmann Sander, Urban Marhl, Rüdiger Brühl, Thomas Middelmann, Vojko Jazbinšek, "A 50 channel optically pumped magnetometer MEG in an externally actively shielded two-layer room", *International Journal of Bioelectromagnetism*, **23**(1), 5, (2021); <http://www.ijbem.org/volume23/number1/05.pdf>
- Urban Marhl, Tilmann Sander, Vojko Jazbinšek, "Simulation study of different sensing directions in OPM and SQUID MEG", *International Journal of Bioelectromagnetism*, **23**(2), 16, (2021); <http://www.ijbem.org/volume23/number2/16.pdf>
- Urban Marhl, Marko Gosak, "Proper spatial heterogeneities expand the regime of scale-free behavior in a lattice of excitable elements", *Physical Review E*, **100**(6), 062203, (2019); doi: [10.1103/PhysRevE.100.062203](https://doi.org/10.1103/PhysRevE.100.062203)