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Bio

STANFORD ADVISORS

- Feliks Kogan, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **A deep learning approach for magnetic resonance fingerprinting: Scaling capabilities and good training practices investigated by simulations.** *Physica medica : PM : an international journal devoted to the applications of physics to medicine and biology : official journal of the Italian Association of Biomedical Physics (AIFB)*
Barbieri, M., Brizi, L., Giampieri, E., Solera, F., Manners, D. N., Castellani, G., Testa, C., Remondini, D.
2021; 89: 80-92
- **Characterization of Structural Bone Properties through Portable Single-Sided NMR Devices: State of the Art and Future Perspectives.** *International journal of molecular sciences*
Barbieri, M., Fantazzini, P., Testa, C., Bortolotti, V., Baruffaldi, F., Kogan, F., Brizi, L.
2021; 22 (14)
- **Single-sided NMR to estimate morphological parameters of the trabecular bone structure.** *Magnetic resonance in medicine*
Barbieri, M., Fantazzini, P., Bortolotti, V., Baruffaldi, F., Festa, A., Manners, D. N., Testa, C., Brizi, L.
2020
- **Single-sided NMR for the diagnosis of osteoporosis: Diffusion weighted pulse sequences for the estimation of trabecular bone volume fraction in the presence of muscle tissue**
Barbieri, M., Brizi, L., Bortolotti, V., Fantazzini, P., d'Eurydice, M., Obruchkov, S., Liu, H., Galvosas, P.
ELSEVIER SCIENCE BV.2018: 166-70
- **Bone volume-to-total volume ratio measured in trabecular bone by single-sided NMR devices** *MAGNETIC RESONANCE IN MEDICINE*
Brizi, L., Barbieri, M., Baruffaldi, F., Bortolotti, V., Fersini, C., Liu, H., d'Eurydice, M., Obruchkov, S., Zong, F., Galvosas, P., Fantazzini, P.
2018; 79 (1): 501-10