PUBLICATIONS

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Peer-Reviewed Scientific Articles


12. H. Hirata, H. Iwai, and M. Ono. Analysis of a flexible surface-coil-type resonator for magnetic


64. W. Takahashi, A. A. Bobko, I. Dhimitruka, H. Hirata, J. L. Zweier, A. Samouilov, and V. V.
Khramtsov. Proton-electron double-resonance imaging of pH using phosphonated trityl probe. 


Proceedings and Abstracts of International Conferences


33. H. Hirata, Tunable resonators and automatic control techniques in biomedical EPR spectroscopy, EPR2007 A Joint Conference of 12th In Vivo EPR Spectroscopy and Imaging and 9th International EPR Spin Trapping, O-18, Chicago, IL, USA (2007). (Invited)


68. A. Enomoto and H. Hirata, Feasibility study of parallel detection of electron paramagnetic resonance imaging, Proceedings of Joint Annual Meeting ISMRM-ESMRMB 2014, p. 2917, Milan, Italy (2014). (ISMRM named Ayano Enomoto the Magna Cum Laude Merit Award.)


71. H. Hirata and V. V. Khramtsov, In vivo tumor extracellular pH monitoring using EPR spectroscopy, Magnetic Resonance: Fundamental research and pioneering applications (MR-70), Tue 06, Kazan, Russia (2014). *(Invited)*


78. H. Kubota, H. Yasui, S. Matsumoto, O. Inanami, I. A. Kirilyuk, V. V. Khramtsov, and H. Hirata, Characteristics of $^{14}$N- and $^{15}$N-labeled dicarboxy-PROXYLs as oxygen-sensitive probes for CW-EPR-based single-point imaging (SPI), 58th Annual Rocky Mountain Conference on Magnetic Resonance (39th International EPR Symposium), Poster #223 (p. 70), Breckenridge, Colorado, USA (2016).


