

## CERM Publications 2026

1. Doni, D., Grifagni, D., Cavion, F. et al. A novel mutation in FDX2 provides insights into the pathogenesis of MEOAL mitochondrial neuromuscular disease. **Cell Death Dis** 17, 59 (2026). <https://doi.org/10.1038/s41419-025-08323-3>. (IF 7.0)
2. Santos BPO, Bera K, Grisanti L, Felli IC, Pierattelli R, Magistrato A. Exploring Disordered Regions of Human Spliceosome Proteins. **J Phys Chem Lett.** 2026 Feb 14. doi: 10.1021/acs.jpcclett.6c00082. Epub ahead of print. PMID: 41689531. (IF 4.7)
3. Janusz H, Hankiewicz, Giacomo Parigi, Zbigniew J. Celinski, Yu Hao, Allan D. Angus, Kristen Petersen, Dorota Lachowicz, Angelika Kmita, Marek Przybylski, Nuclear relaxation in agar gel in the presence of highly concentrated PEG coated magnetic nanoparticles at low magnetic fields. Application of temperature dependent weighting for MRI thermometry, **RSC Adv.**, 2026,16, 4157-4169 doi: 10.1039/D5RA07731A. (IF 4.6)
4. Tang JH, Taghian T, Jayakumar S, Parigi G, Luchinat C, Hall E, Gray-Edwards HL, Meade TJ. Bioresponsive MR Imaging Probes for Noninvasive Monitoring of AAV Gene Therapy. **Bioconjug Chem.** 2026 Feb 9. doi: 10.1021/acs.bioconjchem.5c00525. Epub ahead of print. PMID: 41664471. (IF 3.9)
5. Fantato L, Salobehaj M, Patrussi J, Meoni G, Vignoli A, Tenori L. Benchtop NMR in Biomedicine: An Updated Literature Overview. **Metabolites.** 2025 Dec 22;16(1):3. doi: 10.3390/metabo16010003. PMID: 41590611; PMCID: PMC12844325. (IF 3.7)
6. Palmieri E, Monaci V, Durante S, Cescutti P, Micoli F, Gasperini G. Double- hit approach for novel glycoconjugates combining cytoplasmic glycoengineering and selective chemistry. **RSC Chem Biol.** 2026 Jan 15. doi: 10.1039/d5cb00320b. Epub ahead of print. PMID: 41552780; PMCID: PMC12805384. (IF 3.1)
7. Schurko RW, Rienstra CM, Jaroniec CP, Hansen AL, Franks WT, Bryce DL, Brinkmann A, Terskikh V, Brown SP, Iuga D, van Heijenoort C, Fayon F, Bertaina S, Alfonso C, Karlsson G, Gröbner G, Potrzebowski MJ, Cerofolini L, Ravera E, Fragai M, Lelli M, Lesage A, Pintacuda G, Pons M, Mafra L, Schneider JF, Monti GA, Acosta RH, Pastawski HM, Thomas B, Kolyagin YG, Agarwal V, Hou G, Deng F, Xue K, Kigawa T, Manjunatha Reddy GN. Impact of shared facilities in advancing solid-state NMR research: 2025 edition. **Solid State Nucl Magn Reson.** 2026 Feb;141:102053. doi: 10.1016/j.ssnmr.2025.102053. (IF 2.4)
8. Russomanno P, Fragai M, Brindisi M, Pelliccia S. Two Sides of the Same Coin: Transthyretin (TTR) as a Target or Drug Carrier for Drug (Bio)conjugates. **J Med Chem.** 2026 Feb 12;69(3):1803-1841. doi: 10.1021/acs.jmedchem.5c01560. Epub 2026 Feb 2. PMID: 41627906. (IF 2.6)
9. Cosottini L, Ghini V, Turano P, Ferritin-assisted biomineralization and drug delivery: It's a matter of hard and soft, **J. Inorg. Biochem.** 2026, Volume 274, 2026, 113090, ISSN 0162-0134, doi: 10.1016/j.jinorgbio.2025.113090. (IF 3.2)

10. Cuccaro R, Masini M, Malanho Silva J, Camponeschi F, Banci L, Human glutaredoxin 3: multiple domains for a unique function **J. Inorg. Biochem.**, Volume 274, 2026, 113103, ISSN 0162-0134, doi: 10.1016/j.jinorgbio.2025.113103. (IF 3.2)