

## SHORT COMMUNICATION

- 042101 Quantification of ferritin-bound iron in murine samples for Alzheimer's disease studies using species-specific isotope dilution mass spectrometry**  
A Tchaikovsky, A Schoeberl, H Schueffl, A Raab, S Emin, A Slany, P Heffeter, G Koellensperger and C Swart

## PAPER

- 045001 New interpolating equations of ITS-90 for SPRTs and HTSPRTs for the temperature range 419.527°C–961.78°C**  
J P Sun, T Li, X P Hao, J Pan and J X Zeng
- 045002 Updated measurement method and uncertainty budget for direct emissivity measurements at the University of the Basque Country**  
I González de Arrieta, T Echániz, R Fuente, J M Campillo-Robles, J M Igartua and G A López
- 045003 Accounting for polarization-related effects in the measurement of the bidirectional reflectance distribution function**  
A Calderón, A Ferrero and J Campos
- 045004 Gravity and anisotropy effects in the volume determination of Si spheres for the kilogram realisation**  
D Mari, A Nicolaus, E Kuhn, N Kuramoto, G Mana and E Massa
- 045005 Direct comparisons of European primary and secondary frequency standards via satellite techniques**  
F Riedel, A Al-Masoudi, E Benkler, S Dörscher, V Gerginov, C Grebing, S Häfner, N Huntemann, B Lipphardt, C Lisdat, E Peik, D Piester, C Sanner, C Tamm, S Weyers, H Denker, L Timmen, C Voigt, D Calonico, G Cerretto, G A Costanzo, F Levi, I Sesia, J Achkar, J Guéna, M Abgrall, D Rovera, B Chupin, C Shi, S Bilicki, E Bookjans, J Lodewyck, R Le Targat, P Delva, S Bize, F N Baynes, C F A Baynham, W Bowden, P Gill, R M Godun, I R Hill, R Hobson, J M Jones, S A King, P B R Nisbet-Jones, A Rolland, S L Shemar, P B Whibberley and H S Margolis
- 045006 Advances in traceable calibration of cylinder pressure transducers**  
J Salminen, S Saxholm, J Hämäläinen and R Högström
- 045007 The non-uniqueness of ITS-90 above the silver point and its impact on values of  $T - T_{90}$**   
Peter Saunders
- 045008 Experimental quantum polarimetry using heralded single photons**  
Seung-Jin Yoon, Joong-Sung Lee, Carsten Rockstuhl, Changhyoup Lee and Kwang-Geol Lee
- 045009 The BIPM Kibble balance for realizing the kilogram definition**  
H Fang, F Bielsa, S Li, A Kiss and M Stock
- 045010 The interaction between the magnetized coil-suspension system and the compensation coil in the joule balance**  
Lushuai Qian, Jinxin Xu, Zhengkun Li, Bing Han, Wei Zhao and Zhonghua Zhang
- 045011 The self-attraction effect in an atom gravity gradiometer**  
Heng Zhang, De-Kai Mao, Qin Luo, Zhong-Kun Hu, Le-Le Chen and Min-Kang Zhou
- 045012 New apparatus for liquids high-pressure density measurement**  
Andreia Furtado, Frank Lorenz and Henning Wolf
- 045013 The determination of gravitational acceleration in the joule balance at NIM**  
Jinxin Xu, Jinyang Feng, Qiyu Wang, Lishuang Mou, Zhengkun Li, Bin Han, Lushuai Qian, Ruo Hu, Shuqing Wu, Qing He and Tao Zheng