



BIBLIOGRAFIE

POZIȚIA cercetător științific postdoctoral

PROIECTUL European research Council (ERC) Consolidator Grant 101043356, HORIZON EUROPE, „PROGRESS- Reading provenance from ubiquitous quartz: understanding the changes occurring in its lattice defects in its journey in time and space by physical methods”, 2023-2027

Books

1. Aitken M.J., Thermoluminescent Dating, Academic Press, London, 1985, ISBN: 0-12-046380-6 359p.
2. Aitken M.J., An introduction to optical dating. The dating of Quaternary Sediments by the use of Photon-Stimulated Luminescence. Oxford University Press, Oxford, 1998, ISBN: 0-19-854092, 267p.
3. Weil, John, A., Bolton, James, R., Electron paramagnetic Resonance-Elementary Theory and practical Applications, J Wiley and Sons, 2007, Second Edition, ISBN: 970-0471-75496-1, 664p.
4. Ikeya, M., New Applications of Electron Spin Resonance-Dating, Dosimetry and Microscopy, World scientific Publishing, Singapore, 1993, ISBN: 978-981-02-1199-8, 520p.
5. Bøtter-Jensen L., McKeever S.W.S, Wintle A.G., Optically Stimulated Luminescence Dosimetry. Elsevier, 2003, ISBN: 0-444-50684-5, 355p.

Articles

1. Preusser, F., Chithambo, M.L., Götte, T., Martini, M., Ramseyer, K., Sendezera, E.J., Susino, G.J., Wintle, A.G., 2009. Quartz as a natural luminescence dosimeter. Earth-Science Reviews 97, 184-214.
2. Timar-Gabor, A., Buylaert, J-P., Guralnik, B., Trandafir-Antohei, O., Constantin, D., Anechitei-Deacu, V., Jain, M., Murray, A.S., Porat, N., Hao, Q., Wintle, A.G., 2017. On the importance of grain size in luminescence dating using quartz. Radiation Measurements, 106, 464-471.



3. Timar-Gabor A., 2018. Electron spin resonance characterization of sedimentary quartz of different grain sizes – Radiation Measurements, 120, 59-65.
4. Timar-Gabor, A., Chruścińska, A., Benzid, K., Fitzsimmons, K., Begy, R., Bailey, M., 2020. Bleaching studies on Al-hole ($[AlO_4/h]^0$) electron spin resonance (ESR) signal in sedimentary quartz, Radiation Measurements, 130,106221.
5. Benzid, K., Timar-Gabor, A., 2020. The compensation effect (Meyer-Neldel rule) on $[AlO_4/h]^0$ and $[TiO_4/M^+]0$ paramagnetic centres in irradiated sedimentary quartz. AIP Advances, 10, 075114.
6. Kabacińska, Z., Buylaert, J.P., Yi, S., Timar-Gabor, A., 2022. Revisiting natural and laboratory electron spin resonance (ESR) dose response curves of quartz from Chinese loess. Quaternary Geochronology, 70, 101306.
7. Dave, A.K., Timar-Gabor, A., Kabacińska, Z., Scardia, G., Safaraliev, N., Nigmatova, S., Fitzsimmons, K.E., 2022. A novel proxy for tracking the provenance of dust based on paired E' -peroxy paramagnetic defect centres in fine-grained quartz. Geophysical Research Letters, GL095007
8. Timar-Gabor, A., Kabacińska, Z.,Constantin, D., Dave, A., Buylert, J.P., 2023. Reconstructing dust provenance from quartz optically stimulated luminescence (OSL) and electron spin resonance (ESR) signals: Preliminary results on loess from around the world. Radiation Physics and Chemistry, 111138.