

**ATP7A-dependent copper sequestration contributes to termination of  $\beta$ -CATENIN signaling during early adipogenesis**

Yang, Haojun; **Kabin, Ekaterina**; Dong, Yixuan; Zhang, X.; Ralle, Martina; Lutsenko, Svetlana Molecular metabolism 2024 / art. 101872, 12 p. : ill <https://doi.org/10.1016/j.molmet.2024.101872> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Carbon prices for meeting the Paris agreement and their impact on key metals**

Tost, Michael; **Hitch, Michael William**; Lutter, Stephan; Feiel, Susanne; Moser, Peter The extractive industries and society 2020 / p. 593-599 <https://doi.org/10.1016/j.exis.2020.01.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comparison of the wear and frictional properties of Cu matrix composites prepared by pulsed electric current sintering**

Ritasalo, Riina; **Antonov, Maksim**; **Veinthal, Renno**; Hannula, Simo-Pekka Proceedings of the Estonian Academy of Sciences 2014 / p. 62-74 : ill [https://artiklid.elnet.ee/record=b2665219\\*est](https://artiklid.elnet.ee/record=b2665219*est) <https://doi.org/10.3176/proc.2014.1.09> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Cu-modified hydroxy-apatite as catalyst for Glaser-Hay C-C homo-coupling reaction of terminal alkynes**

**Maaten, Birgit**; Moussa, Jamal; Desmarests, Christophe; Gredin, Patrick; Beaunier, Patricia; **Kanger, Tõnis**; **Tõnsuaadu, Kaia**; Villemin, Didier; Gruselle, Michel Journal of molecular catalysis A : chemical 2014 / p. 112-116 : ill

**Direct competition of ATCUN peptides with human serum albumin for copper(II) ions determined by LC-ICP MS**

**Noormägi, Andra**; **Golubeva, Tatjana**; **Berntsson, Elina**; Wärmländer, Sebastian K.T.S.; **Tõugu, Vello**; **Palumaa, Peep** ACS omega 2023 / p. 33912-33919 <https://doi.org/10.1021/acsomega.3c04649> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of hard cyclic viscoplastic deformation on the microstructure, mechanical properties, and electrical conductivity of Cu-Cr alloy**

**Kommel, Lembit**; Huot, Jacques; Omranpour Shahreza, Babak Journal of Materials Engineering and Performance 2022 / p. 9690-9702 <https://doi.org/10.1007/s11665-022-06997-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Exposure of freshwater zooplankton to copper nanoparticles : toxicity and copper body burden**

**Muna, Marge**; Heinlaan, Margit; Vija, Heiki; Blinova, Irina; Kahru, Anne 20th International Scientific Conference EcoBalt 2016 : Tartu, Estonia, October 9-12 : book of abstracts 2016 / p. 33 [http://akki.ut.ee/wp-content/uploads/2015/01/Abstracts\\_Book\\_EcoBalt\\_2016.pdf](http://akki.ut.ee/wp-content/uploads/2015/01/Abstracts_Book_EcoBalt_2016.pdf)

**Genomic features and copper biosorption potential of a new Alcanivorax sp. VBW004 isolated from the shallow hydrothermal vent (Azores, Portugal)**

**Ramasamy, Kesava Priyan**; Rajasabapathy, Raju; **Lips, Inga**; Mohandass, Chellandi; James, Rathinam Arthur Genomics 2020 / p. 3268-3273 <https://doi.org/10.1016/j.ygeno.2020.06.015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Ligandtailored divergence of coppercatalyzed aerobic oxidation of cyclopropanols**

Zavalinich, Viktoriya A.; **Elek, Gabor Zoltan**; **Vailhe, Pauline**; Novikau, Ilya; Syakhovich, Vitaly; Kirillov, Alexander M.; **Lopp, Margus**; **Masiuk, Uladzimir**; **Kananovich, Dzmitry** Advanced synthesis & catalysis 2024 / p. 4485-4496 <https://doi.org/10.1002/adsc.202400490>

**Metal mining's environmental pressures: a review and updated estimates on CO2 emissions, water use, and land requirements**

**Hitch, Michael William**; Tost, Michael; Bayer, Benjamin Sustainability 2018 / art. 2881 ; 14 p. : tab <https://doi.org/10.3390/su10082881> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Micromechanical properties and electrical conductivity of Cu and Cu-0.7wt% Cr alloy**

**Kommel, Lembit**; Pardis, N.; **Kimmari, Eduard** Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 354-359 : ill

**Microstructure, texture and mechanical properties of cyclic expansion-extrusion deformed pure copper**

**Pardis, N.**; Chen, C.; Ebrahimi, R.; **Kommel, Lembit** Materials science and engineering : A 2015 / p. 423-432 : ill <https://doi.org/10.1016/j.msea.2015.01.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Potential eco-friendly wood protection systems used in royal process**

Liibert, Laura; **Treu, Andreas**; **Kers, Jaan**; Meier, Pille Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 674-679 : ill

**Preparation of CuInSe2 thin films by using various methods : (a short review)**

Soonmin, Ho; **Mandati, Sreekanth**; Chandran, Ramkumar; Mallik, Archana; Bhuiyan, M. A. S.; Deepa, K. G. Oriental journal of chemistry 2019 / p. 01-13 : ill [http://eprints.intimal.edu.my/1267/1/CuInSe2%20thin%20films%20by%20various%20methods\\_Ho.pdf](http://eprints.intimal.edu.my/1267/1/CuInSe2%20thin%20films%20by%20various%20methods_Ho.pdf)

**Substitution of the Methionine Axial Ligand of the T1 copper for the fungal-like Phenylalanine Ligand (M298F) causes local structural perturbations that lead to thermal instability and reduced catalytic efficiency of the small Laccase from**

### **Streptomyces coelicolor A3(2)**

**Zovo, Kairit; Pupart, Hegne;** Van Wieren, Arie; Gillilan, Richard E.; **Lukk, Tiit** ACS omega 2022 / p. 6184-6194

<https://doi.org/10.1021/acsomega.1c06668> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Synthesis and antibacterial efficiency of chitosan–copper oxide nanocomposites**

**Laanoja, Jüri; Sihtmäe, Mariliis; Otsus, Maarja; Kahru, Anne; Kasemets, Kaja** International Conference EcoBalt 2023

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### **Tribological parameters of copper-alumina composite**

Hvizdoš, Pavol; **Kulu, Priit;** Besterčí, Michal Engineering materials and tribology 2013 / p. 191-196

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### **α-lipoic acid ameliorates consequences of copper overload by up-regulating selenoproteins and decreasing redox misbalance**

**Kabin, Ekaterina;** Dong, Yixuan; Roy, Shubhrajit; **Smirnova, Julia;** Smith, Joshua W.; Ralle, Martina; Summers, Kelly; Yang, Haojun; Dev, Som; Wang, Yu; Devenney, Benjamin; Cole, Robert N.; **Palumaa, Peep;** Lutsenko, Svetlana Proceedings of the National Academy of Sciences 2023 / art. e2305961120 <https://doi.org/10.1073/pnas.2305961120> [Journal metrics at Scopus](#) [Article at Scopus](#)

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