

Copper(II)-binding properties of de-coppering drugs for the treatment of Wilson disease. α -Lipoic acid as a potential anti-copper agent

Smirnova, Julia; Kabin, Ekaterina; Järving, Ivar; Bragina, Olga; Tõugu, Vello; Plitz, Thomas; Palumaa, Peep Scientific reports 2018 / art. 1463, 9 p. : ill <https://doi.org/10.1038/s41598-018-19873-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Copper(II)-binding properties of de-coppering drugs for treatment of Wilson disease

Smirnova, Julia; Kabin, Ekaterina; Järving, Ivar; Tõugu, Vello; Plitz, T.; Palumaa, Peep The FEBS journal 2017 / p. 337 <https://doi.org/10.1111/febs.14174>

Copper(II)-binding equilibria in human blood

Kirsipuu, Tiina; Zadorožnaja, Anna; Smirnova, Julia; Friedemann, Merlin; Plitz, Thomas; Tõugu, Vello; Palumaa, Peep Scientific reports 2020 / art. 5686, 10 p. : ill <https://doi.org/10.1038/s41598-020-62560-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluation of Zn²⁺- and Cu²⁺-binding affinities of native Cu,Zn-SOD1 and its G93A mutant by LC-ICP MS

Smirnova, Julia; Gavrilova, Julia; Noormägi, Andra; Valmsen, Karin; Pupart, Hegne; Luo, Jinghui; Tõugu, Vello; Palumaa, Peep Molecules 2022 / art. 3160 <https://doi.org/10.3390/molecules27103160> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investigation of properties and reaction mechanisms of redox-active proteins by ESI MS = Redoks-aktiivsete valkude omaduste ja reaktsioonimehhanismide uurimine ESI-MS abil

Smirnova, Julia 2013 https://www.ester.ee/record=b2965120*est

Maximum entropy reconstruction of joint [phi], [psi]-distribution with a coil-library prior : the backbone conformation of the peptide hormone motilin in aqueous solution from [phi] and [psi]-dependent J-couplings

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Reaction of the XPA zinc finger with S-nitrosoglutathione

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Redox and metal ion binding properties of human insulin-like growth factor 1 determined by electrospray ionization mass spectrometry

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Zn(II) ions co-secreted with insulin suppress inherent amyloidogenic properties of monomeric insulin

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

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