

An adaptive filtering system for separation of cardiac and respiratory components of bioimpedance signal

Krivošei, Andrei; Min, Mart; Parve, Toomas; Ronk, Ants 2006 IEEE International Workshop on Medical Measurement and Applications : Benevento, Italy, April 20-21, 2006 2006 / p. 10-15 <https://ieeexplore.ieee.org/document/1644448>

Ashwood as a biocompatible osteoconductive material for long-term implant

Lasn, L.; Raie, R.; Kallavus, Urve; Allas, A. Acta orthopaedica Scandinavica 1994

Biomimetic design of implants for long bone critical-sized defects

Rezapourianghahfarokhi, Mansoureh; Kamboj, Nikhil Kumar; Jasiuk, Iwona; Hussainova, Irina Journal of the mechanical behavior of biomedical materials 2022 / art. 105370 <https://doi.org/10.1016/j.jmbbm.2022.105370> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Biomimicry and novel structures : advancing the design paradigm of bone implants = Biomimikri ja uudsed struktuurid : luuimplantaatide disainiparadigma edendamine

Rezapourianghahfarokhi, Mansoureh 2024 <https://doi.org/10.23658/taltech.9/2024> https://www.ester.ee/record=b5667691*est <https://digikogu.taltech.ee/et/Item/7c3aec59-9566-41cb-b59d-b896fa72100e>

Biomorphic porous Ti6Al4V gyroid scaffolds for bone implant applications fabricated by selective laser melting

Hameed, Pearlin; Liu, Chia-Fei; Ummethala, Raghunandan; Singh, Neera; Huang, Her-Hsiung; Manivasagam, Geetha; Prashanth, Konda Gokuldoss Progress in additive manufacturing 2021 / p. 455–469 : ill <https://doi.org/10.1007/s40964-021-00210-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cyborgs on the horizon. Are we ready? Examining the (a)legality of transhumanist practices within the EU

Martinez-Ramil, Pablo; Bolanos-Frasquet, Haridian; Solarte Vasquez, Maria Claudia European Studies : The Review of European Law, Economics and Politics 2022 / p. 133-154 <https://doi.org/10.2478/eustu-2022-0017> [Journal metrics at Scopus](#) [Article at Scopus](#)

Deformation behavior of metallic lattice structures with symmetrical gradients of porosity manufactured by metal additive manufacturing

Jagadeesh, B.; Duraiselvam, Muthukannan; Prashanth, Konda Gokuldoss Vacuum 2023 / art. 111955 <https://doi.org/10.1016/j.vacuum.2023.111955> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Densification of the eggshell powder by spark plasma sintering

Shukla, Riddhi Hirenkumar; Sokkalingam, Rathinavelu; Prashanth, Konda Gokuldoss Journal of alloys and compounds 2023 / art. 171079 <https://doi.org/10.1016/j.jallcom.2023.171079> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of Ti-eggshell composite for bio-implants applications = Ti-munakoore komposiidi väljatöötamine bioimplantaatide rakenduste jaoks

Shukla, Riddhi Hirenkumar 2025 https://www.ester.ee/record=b5730420*est <https://digikogu.taltech.ee/et/Item/e2ae3e2f-5df1-47bb-ac63-a3f64e703685> <https://doi.org/10.23658/taltech.10/2025>

Effect of process parameters on the properties of β -Ti-Nb-based alloys fabricated by selective laser melting: A review

Subramanian, Shangavi; Mohanty, Shalini; Prashanth, Konda Gokuldoss Materials today: proceedings 2023 <https://doi.org/10.1016/j.matpr.2023.03.461> [Journal metrics at Scopus](#) [Article at Scopus](#)

Effect of unit cell rotation on mechanical performance of selective laser melted Gyroid structures for bone tissue engineering

Rezapourianghahfarokhi, Mansoureh; Kumar, Rahul, 1993-; Hussainova, Irina Progress in engineering science 2024 / art. 100011 <https://doi.org/10.1016/j.pes.2024.100011>

Heightened cyber vulnerability to patients with cardiac implantable electronic devices

Torgersen, Leanne N.S.; Whitaker, Rupert E.D.; Lugo, Ricardo Gregorio; Sütterlin, Stefan; Schulz, Stefan M. HCI International 2023 Posters : 25th International Conference on Human-Computer Interaction, HCII 2023, Copenhagen, Denmark, July 23–28, 2023, Proceedings, Part I 2023 / p. 519-528 https://doi.org/10.1007/978-3-031-35989-7_66 [Conference Proceedings at scopus](#) [Article at Scopus](#)

High pressure torsion induced lowering of Young's modulus in high strength TNZT alloy for bio-implant applications

Maity, Tapabrata; Balci, Özge; Gammer, C.; Ivanov, E.; Eckert, Jürgen; Prashanth, Konda Gokuldoss Journal of the mechanical behavior of biomedical materials 2020 / art. 103839, 10 p. : ill <https://doi.org/10.1016/j.jmbbm.2020.103839> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hybrid metal-ceramic biomaterials fabricated through powder bed fusion and powder metallurgy for improved impact resistance of craniofacial implants

Rahmani Ahranjani, Ramin; Kamboj, Nikhil Kumar; Brojan, Miha; Antonov, Maksim; Prashanth, Konda Gokuldoss Materialia 2022 / art. 101465 <https://doi.org/10.1016/j.mtla.2022.101465> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Informatsiooni magnetkanal inimkehas

Strandberg, Marek Inseneeria 2015 / lk. 6 https://artiklid.elnet.ee/record=b2741109*est

Kasututest munakoortest saaks teha tehisliigeseid

Shukla, Riddhi Hirenkumar novaator.err.ee 2024 [Kasututest munakoortest saaks teha tehisliigeseid](#)

Mechanical analysis of multi-surface TPMS lattices for bone applications

Hussainova, I.; Rezapourian, M. Proceedings of the Estonian Academy of Sciences 2025 / p. 222-227
<https://doi.org/10.3176/proc.2025.2.25>

Metallic osteosynthesis of bone fractures based on the topography of bone resistance

Seppo, Arnold 1975 https://www.ester.ee/record=b1384828*est

Multi-objective machine learning optimization of cylindrical TPMS lattices for bone implants

Rezapourianghahfarokhi, Mansoureh; Cheloe Darabi, Ali; Khoshbin, Mohammadreza; Hussainova, Irina Biomimetics 2025 / art. 475 <http://doi.org/10.3390/biomimetics10070475>

Nonlinear comparative optimization for biomaterials wear in artificial implant technology

Casesnoves, Francisco Materials science and applied chemistry II : 59th International Scientific Conference of Riga Technical University (RTU), Section of Materials Science and Applied Chemistry - MSAC 2018 2019 / p. 52-59
<https://doi.org/10.4028/www.scientific.net/KEM.800.52> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Personalization of medical device interfaces: decreasing implant-related complications by modular coatings and immunoprofiling

Vrana, Nihal Engin; Palm, Kaia; Lavallo, Philippe Future Science OA 2020 / 3 p <https://doi.org/10.2144/fsoa-2020-0074>

Selective laser melted Ti6Al4V split-P TPMS lattices for bone tissue engineering

Rezapourianghahfarokhi, Mansoureh; Jasiuk, Iwona; Saarna, Mart; Hussainova, Irina International journal of mechanical sciences 2023 / art. 108353 <https://doi.org/10.1016/j.ijmecsci.2023.108353> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Selective laser melting of Ti/cBN composite

Minasyan, Tatevik; Liu, Le; Aydinyan, Sofiya; Antonov, Maksim; Hussainova, Irina Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 257-262 : ill <https://www.scientific.net/KEM.799.257> https://www.ester.ee/record=b5235278*est
<https://doi.org/10.4028/www.scientific.net/KEM.799.257> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Synthesis of porous bio-ceramic (Silicon and Calcium silicate) implants by selective laser melting for local delivery of Vancomycin

Kamboj, Nikhil Kumar; Hussainova, Irina; Rodriguez Barbero, M. A.; Rodrigo, S.; Prashanth, Konda Gokuldoss 43rd International Conference & Exposition on Advanced Ceramics and Composites : abstract book 2019 / p. 190 https://ceramics.org/wp-content/uploads/2018/09/ICACC19_Abstracts_WebFinal.pdf

The reaction of the organism on wood implants and its leading part in the process of formation of new bone

Lasn, L.; Raie, R.; Kallavus, Urve; Allaste, A. Proceedings / the Joint Spring Meeting of the Estonian Surgical Society and the Finnish Surgical Society, 12.-13.05.1994, Tallinn 1994 / p. 57

The therapeutical role of electrochemical reactions in the metallic osteosynthesis of fractured human bones

Seppo, Arnold; Kallast, Vambola; Juss, T. Лечение переломов костей и ожогов : материалы симпозиума "Опыт клиники технической остеологии по лечению переломов костей и ожогов" 1979 / с. 109-117 https://www.ester.ee/record=b1269833*est

TTÜ leiutis pakub huvi suurele USA meditsiinifirmale : [TTÜ professori Mart Mini ja tema kolleegide leiutis]

Min, Mart; Rand, Erik Eesti Päevaleht 2009 / 30. okt., lk. 4 <https://epl.delfi.ee/artikkel/51181213/ttu-leiutis-pakub-huvi-suurele-usa-meditsiinifirmale>

Ukrainlane 3D-prindib sõjas vigastada saanutele implantaate

Alvela, Ain Postimees 2022 / Lk. 7 [Eestis doktorikraadi saanud ukrainlane 3D-prindib sõjas viga saanutele implantaate](#)
<https://dea.digar.ee/article/postimees/2022/11/29/9.1>

Õrnad munakoored võivad saada tugevaks tehispuusaks

Imeline Teadus 2024 / lk. 20 : fot https://www.ester.ee/record=b2747925*est

О роли электрохимических реакций при металлическом остеосинтезе переломов костей человека

Seppo, Arnold; Kallast, Vambola; Juss, T. Лечение переломов костей и ожогов : материалы симпозиума "Опыт клиники

технической остеологии по лечению переломов костей и ожогов" 1979 / с. 69-117 https://www.ester.ee/record=b1269833*est

Реконструктор человеческих тел : как выживает технологичный бизнес в Украине

Moroz, Dmitri rus.postimees.ee 2022 [Реконструктор человеческих тел: как выживает технологичный бизнес в Украине](#)

Реконструктор человеческих тел [Online resources]

Moroz, Dmitri Postimees 2022 / с. 15