

Cavitation-dispersion method for copper cementation from wastewater by iron powder

Shishkin, Andrei; Mironovs, Viktors; Vu, Hong; Novak, Pavel; **Baroninš, Janis**; Polyakov, Alexandr; Ozolins, Jurijs Metals 2018 / art. 920, 11 p. : ill <https://doi.org/10.3390/met8110920> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Corrosion behavior of high velocity oxy-fuel sprayed composite Ni-Fe-based self-fluxing alloy - cermet coatings

Sarjas, Heikki; **Surženkov, Andrei**; **Baroninš, Janis**; Viljus, Mart; Traksmaa, Rainer; Kulu, Priit Journal of mineral, metal and material engineering 2018 / p. 1-9 : ill <http://www.scientificarray.org/journal-of-mineral-metal-and-material-engineering-volume-4/>

Dependence of wear of Cu-Cr-S alloy on hardness and electrical conductivity in sliding electrical contact

Kommel, Lembit; **Baroninš, Janis** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 229-233 : ill <https://doi.org/10.4028/www.scientific.net/SSP.267.229> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Economic aspects of mechanical pre-treatment's role in precious metals recovery from electronic waste

Blumbergs, Ervins; Shishkin, Andrei; Markus, Karlis; Serga, Vera; **Goljandin, Dmitri**; **Klauson, Artur**; Abramovskis, Vitalijs; **Baroninš, Janis**; Zarkov, Aleksej; Pankratov, Vladimir Metals 2024 / art. 95 <https://doi.org/10.3390/met14010095> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Economical aspects of the mechanical pre-treatment role in the precious metals recovery from electronic waste

Blumbergs, Ervins; Shishkin, Andrei; Markus, Karlis; Serga, Vera; **Goljandin, Dmitri**; **Klauson, Artur**; Abramovskis, Vitalijs; **Baroninš, Janis**; Zarkov, Aleksej; Pankratov, Vladimir Preprints.org 2023 / 19 p <https://doi.org/10.20944/preprints202312.2345.v1>

Effect of basalt and silica additives on erosive wear resistance of cast ceramics

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Effect of milling activation of dry components on properties of foamed cement mortar in a two-stage manufacturing process

Baroninš, Janis; Shishkin, Andrei; Lusi, Vitalijs; Giosue, Chiara; **Goljandin, Dmitri**; Novakova, Iveta; Kekez, Sofija; Korjakins, Aleksandrs; Gorelikovs, Dmitrijs; Gavrilovs, Pavels Case studies in construction materials 2025 / art. e04465 <https://doi.org/10.1016/j.cscm.2025.e04465>

The effect of temperature and sliding speed on friction and wear of Si3N4, Al2O3, and ZrO2 balls tested against AlCrN PVD coating

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Electrochemical behaviour of TiCN and TiAlN gradient coatings prepared by lateral rotating cathode arc PVD technology

Baroninš, Janis; Podgurski, Vitali; **Antonov, Maksim**; Bereznev, Sergei; **Hussainova, Irina** Engineering materials and tribology XXV 2017 / p. 414-418 <https://doi.org/10.4028/www.scientific.net/KEM.721.414> [Journal metrics at Scopus](#) [Article at Scopus](#)

Pore distribution and water uptake in a cenosphere-cement paste composite material

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Raman spectroscopy for reliability assessment of multilayered AlCrN coating in tribo-corrosive conditions [Online resource]

Baroninš, Janis; **Antonov, Maksim**; Bereznev, Sergei; Raadik, Taavi; **Hussainova, Irina** Coatings 2018 / art. 229, 12 p. : ill <https://doi.org/10.3390/coatings8070229> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Raman spectroscopy of multilayered AlCrN coating under high temperature sliding/oxidation

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Selective disintegration–milling to obtain metal-rich particle fractions from E-waste

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Sliding wear of composite stainless steel hardfacing under room and elevated temperature

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Spark plasma sintering of combustion synthesized TiB₂-Si composite

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The effect of Zinc Oxide on DLP hybrid composite manufacturability and mechanical-chemical resistance

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Tribological properties of nanocrystalline diamond coating at high temperature sliding conductions [Online resource]

Yashin, Maxim; Baroninš, Janis; Menezes, Pradeep; **Viljus, Mart; Raadik, Taavi; Bogatov, Andrei; Antonov, Maksim; Podgurski, Vitali** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p. : ill <http://fmdk.ut.ee/teesid-2018/>

Wear performance of hierarchically structured alumina reinforced by hybrid graphene encapsulated alumina nanofibers

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Wear rate of nanocrystalline diamond coating under high temperature sliding conditions

Yashin, Maxim; Baroninš, Janis; Menezes, Pradeep; **Viljus, Mart; Raadik, Taavi; Bogatov, Andrei; Antonov, Maksim; Podgurski, Vitali** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 219-223 : ill <https://doi.org/10.4028/www.scientific.net/SSP.267.219> [Conference proceedings at Scopus](#) [Article at Scopus](#)