

List of publications 1982 – 2012

2012

1. Kovalev AI, Vainshtein DL, Rashkovskii AY, Khlusova EI, Orlov VV. Effect of phase composition on the micromechanism of fracture of strength class K70 pipe steel. Russian Metallurgy (Metally) 2012;2012(10):890-7.
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3. Beake BD, Fox-Rabinovich GS, Losset Y, Yamamoto K, Agguire MH, Veldhuis SC, Endrino JL, Kovalev AI. Why can TiAlCrSiYN-based adaptive coatings deliver exceptional performance under extreme frictional conditions? Faraday Discuss 2012;156:267-77.
4. Kovalev AI, Vainshtein DL, Rashkovskii AY, Khlusova EI, Orlov VV. Study of multicomponent segregation at interfaces in high-strength skelp steel. Metallurgist 2012;56(1-2):152-6.
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11. Horvath ZJ, Basa P, Jaszi T, Pap AE, Molnar G, Kovalev AI, Wainstein DL, Gerlai T, Turmezei P. Silicon nitride based non-volatile memory structures with embedded si or ge nanocrystals. Komunikacie 2010;12(2):19-22.
12. Kovalev A, Wainstein D, Rashkovskiy A. Investigation of anomalous physical properties of multilayer nanolaminate (TiAl)N/Cu coatings by electron spectroscopy techniques. Surf Interface Anal 2010;42(6-7):1361-3.
13. Kovalev A, Wainstein D, Rashkovskiy A, Fox-Rabinovich G, Veldhuis S, Agguire M, Yamamoto K. Investigation of electronic and atomic structure of tribofilms on the surface of cutting tools with

TiAlCrSiYN and multilayer TiAlCrSiYN/TiAlCrN coatings during machining of hardened steels. *Surf Interface Anal* 2010;42(6-7):1368-72.

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