PEER REVIEWED JOURNAL ARTICLES:

256. AJEEB, Rayan, POŽAR, Tomaž, KALIN, Mitjan. The mechanism and the parameters influencing friction and film thickness for single-surface boundary slip in thermal EHL contacts. *Tribology international*. 2027, vol. 226, pt. 3, [article no.] 112719, str. 1-20

255. I. Nadeem, T. B. Yaqub, M. Finšgar, P. Kumar, G. Dražić, M. Kalin. Durable and robust macroscale superlubricity on engineering steel enabled by nitrogen-doped graphene nanosheets, *Carbon*, 122200 , Vol 262, 2027.

254. KANAKKILLAM, Sreed Sharma, NADEEM, Irfan, YAQUB, Talha Bin, KUMAR, Parveen, EMAMI, Nazanin, KALIN, Mitjan. Tribological performance and tribofilm formation of hBN-enhanced glycerol-based lubricants. *Tribology international*. Mar. 2027, vol. 227, 112894.

253. AJEEB, Rayan, POLAJNAR, Marko, KALIN, Mitjan. Decoupling the Effects of Shear Thinning and Thermal Sof-tening on EHL, *Lubricants*, 4580877, vol 14, iss 11, 417, 2026.

252. MUHYUDDIN, Mohsin, BAIG, Mirza Afnan, NISTICÒ, Roberto, MOSTONI, Silvia, D'ARIENZO, Massimiliano, FERRARA, Chiara, PERILLI, Daniele, ORSILLI, Jacopo, NADEEM, Irfan, KALIN, Mitjan, et al. Structural and functional tuning of carbon-supported NiMo hydrogen evolution reaction electrocatalysts for anion exchange membrane water electrolysis. *Applied catalysis. B, Environmental*. 127730, 2026.

251. LAMANNA, Niccolò, MUHYUDDIN, Mohsin, BETTINELLI, Daniele, LORENZI, Roberto, COMINCIOLI, Nicola, ROCCA, Laura, VERGALLI, Sergio, VASSALLINI, Irene, NADEEM, Irfan, KALIN, Mitjan, BERRETTI, Enrico, PERISSI, Ilaria, LAVACCHI, Alessandro, FRANZETTI, Andrea, SABATINI, Francesca, TERMOPOLI, Veronica, ZOIA, Luca, SANTORO, Carlo. Upgrading polyurethane using pyrolytic methods : exploring the liquid and solid fractions towards fuels and electrocatalyst production. *Sustainable energy technologies and assessments*. Oct. 2026, vol. 94, [article no.] 105408, 14 str., ilustr. ISSN 2213-1396.

250. KNEISSL, Lucas M., JOFFE, Roberts, KALIN, Mitjan, EMAMI, Nazanin. Mechanical and tribological performance of bio-based polyamide/nanocellulose composites as sustainable engineering materials. *Results in engineering*. 2026, vol. 32, [article no.] 113138, str. 1-13, ilustr. ISSN 2590-1230.

249. AL-RJOUB, Abbas, CAVALEIRO, Albano, KALIN, Mitjan, EMAMI, Nazanin. Microstructure and tribological characterization of coated PEEK-based polymers. *Coatings.* 2026, vol. 16, issue 8, [article no.] 899, str. 1-22.

248. MERCÊS PEREIRA, Neuma das, NADEEM, Irfan, ČOGA, Lucija, EMAMI, Nazanin, KALIN, Mitjan. Effects of electrical potential on the tribo-electric and frictional performance of a carbon-fiber-reinforced PEEK composite. Wear. 2026, vol. 603, 206960, p. 1-15.

247. T. Bin Yaqub, F. Fernandes, A. Al-Rjoub, P. Kumar, I. Nadeem, S. Kos, T. Gudžulić, A. Cavaleiro, M. Kalin, Assessment of the influence of oxygen incorporation on the compositional, structural, mechanical and tribological performance of ternary MoSeC coatings. *Results in Engineering*, 2026.

246. J. Krapež, M. Polajnar, K. Leopold, J. Peterlin, A. Šarvari, M. Kalin, A. Fidler. Damage of irradiated teeth by ultrasonic scaling: an in vitro study. *Supportive care in cancer*, Volume 34, Article number 777 (2026).

245. Z. JING, H. DONG, W. JIN, F. GUO, M. KALIN, Z. LI, D. WANG, C. JU. Optimizing lubrication in step slider bearings: the role of oiliness additives on film formation and friction reduction. *Tribology international*. 2026, vol. 222, 112134.

244. R. AJEEB, M. POLAJNAR, M. KALIN, Two-surface slip in EHL contacts: Influence on film thickness and friction, *Tribology International*, Vol 221, Sept 2026, 112047.

243. OSOLNIK, Nejc, KALIN, Mitjan. In-situ wear-progression measurement in POM-steel gear contacts. *Wear,* 2026, vol. 594, 20667.

242. YAQUB, Talha Bin, FERNANDES, Filipe Daniel, JU, Hongbo, GELAW, Amessalu Atenafu, FERREIRA, Fabio, KALIN, Mitjan, CAVALEIRO, Albano, EVARISTO, Manuel. Synthesis, structural and tribological properties of tailored MoSe x / WS x based coatings for multi-environment industrial applications. *Tribology international*. 2026, vol. 217, 111691.

241. KUMAR, Rahul, KALIN, Mitjan, EMAMI, Nazanin. Sliding-speed effects on self-lubricating marine composites: a comparative assessment of tribological, mechanical, and thermal performance. *Tribology international*. 2026, vol. 216, 111593.

240. TRAJKOVSKI, Ana, BARTOLJ, Jan, NOVAK, Nejc, PUSTAVRH, Jan, KALIN, Mitjan, MAJDIČ, Franc. Sliding properties of anodized aluminium alloy tested in water and hydraulic oil. *Scientific reports*. 2026, vol. 16, 9117.

239. AL SHEIKH OMAR, Alaaeddin, LODHI, Ajay Pratap Singh, GRIEVE, Peter, ALENEZI, Abdullah, YANG, Junfeng, KALIN, Mitjan, MORINA, Ardian. Hydrogen effect on tribological performance of lubricated interfaces. *Proceedings of the Institution of Mechanical Engineers. Part J, Journal of engineering tribology*. 2026.

238. M. MUHYUDDIN, E. Berretti, J. Orsilli, L. Mirizzi, R. Landone, F. D'acapito, A. Cosenza, S. Faina, M. Arienzo, I. NADEEM, M. KALIN, P. Atanassov, C. Santoro, A. Lavacchi, Electrocatalysts Formed by Pyrolysis: Temperature-Dependent Progression of Active Sites in Co-Phthalocyanine/Carbon-Derived Electrocatalysts for Hydrogen Evolution Reaction and Oxygen Reduction Reaction, *ACS Catalysis*, Vol 16, Issue 3, January 2026.

237. KUMAR, Parveen, NADEEM, Irfan, NASEER, Abqaat, YAQUB, Talha Bin, MORINA, Ardian, KALIN, Mitjan. Superlubricity of diamond-like carbon coating lubricated with aqueous glycerol under electrified sliding conditions. *Tribology international*. 2026, vol. 215, part a, 111415.

236. YAQUB, Talha Bin, AL-RJOUB, Abbas, NADEEM, Irfan, KUMAR, Parveen, FERNANDES, Filipe Daniel, VUCHKOV, Todor, CAVALEIRO, Albano, KALIN, Mitjan. Enhancing the tribological performance of polyether ether ketone (PEEK) polymer using carbon-alloyed transition metal dichalcogenide coatings. Tribology international. 2026, vol. 218, 111739.

235. Ch.S. Kumar, L.N.L. de Lacalle, A. Cavaleiro, D. Cavaleiro, M. Kalin, Ramanand Prajapati, Filipe Fernandes, Performance evaluation of TiAlSiN and TiSiN/TiSiVN coatings during high-speed dry turning of AISI 316 L considering the role of vanadium-based tribo-oxides, *Surface & Coatings Technology* 516 (2025) 132774

234. ČOGA, Lucija, POLAJNAR, Marko, KALIN, Mitjan. From conventional to environmentally acceptable additives : tribological behaviour in volatile lubricants for punching stamping operations. *Lubricants*. 2025, vol. 13, isuue 10, 446.

233. SADLIK, Julia, POLAJNAR, Marko, KUMAR, Rahul, KALIN, Mitjan, KRAVANJA, Gaia, HRIBAR, Luka, et al. Effect of laser surface texturing and fabrication methods on tribological properties of ti6al4v/hap biocomposites. Materials. 2025, vol. 18, issue 11.

232. AL-RJOUB, Abbas, YAQUB, Talha Bin, NADEEM, Irfan, CAVALEIRO, Albano, KALIN, Mitjan, EMAMI, Nazanin. Mechanical properties, microstructure, and tribological performance of coated polyether-ketone-ketone (PEKK) polymer. *Surface & coatings technology*. 2025, vol. 517, 132872.

231. KUMAR, Parveen, YAQUB, Talha Bin, KUMAR, Rahul, NADEEM, Irfan, MORINA, Ardian, KALIN, Mitjan. Electro-stimulated tribological behavior of DLC coatings under unlubricated sliding conditions. *Tribology international. 2*025, vol. 215, part a, 111451.

230. LUAN, Jing, WANG, Lei, DONG, Songtao, FERNANDES, Filipe Daniel, CHOUKOUROV, Andrei, YANG, Junfeng, KALIN, Mitjan, CAVALEIRO, Albano, JU, Hongbo. Mutually enhanced mechanical and tribological properties in magnetron sputtered Mo2N/Ag–SiNx self-lubricating multilayered films via epitaxial growth design. Ceramics international. Oct. 2025, vol. 51, issue 25, pg. 43924-43932.

229. KUMAR, Parveen, WANI, Mohammad Farooq, NADEEM, Irfan, YAQUB, Talha Bin, KALIN, Mitjan. Superior tribological performance of graphene-enhanced lubrication in the piston ring-cylinder liner interface of internal combustion engine. Proceedings of the Institution of Mechanical Engineers. Part J, Journal of engineering tribology. 2025.

228. J. Cerar, P. Jan, M. Kalin, J. Klemenc, J. Tušek, Towards reliable Ni-Ti components: Tribological insights and fatigue behaviour under cyclic compressive loads, Engineering Failure Analysis, Vol. 179, Sept. 2025, 109766.

227. Julia Sadlik, Edyta Kosińska, Agnieszka Tomala, Magdalena Bańkosz, Marko Polajnar, Rahul Kumar, Mitjan Kalin, Gaia Kravanja, Luka Hribar, Irina Hussainova, Marek Nykiel, Agnieszka Sobczak-Kupiec, Josef Jampilek, Effect of Laser Surface Texturing and Fabrication Methods on Tribological Properties of Ti6Al4V/HAp Biocomposites, Materials 18 (11), 2468.

226. M Polajnar, T Požar, M Kalin, Perfluorotetradecanoic Acid as an Additive for Friction Reduction in Full-Film EHD Contacts: The Role of Functional Group, Base Oil Polarity, Additive Concentration and Contact Pressure, Lubricants. 2025, 13 (6), 263.

225. A. Pradhan, M.H. Müser, N. Miller, J.P. Abdelnabe, L. Afferrante, D. Albertini, et al., The Surface-Topography Challenge: A Multi-Laboratory Benchmark Study to Advance the Characterization of Topography, Tribology Letters, https://doi.org/10.1007/s11249-025-02014-y, 2025.

224. U. Klanjscek, M. Kalin, Laser-energy-density-dependent anisotropic tribological behaviour of 18Ni300 steel fabricated by selective laser melting, Wear, Volumes 578–579, Sept 2025, 206212.

223. U. Klanjscek, M. Kalin, Analysis of the Topographical, Microstructural and Mechanical Surface Properties of Powder Bed Fusion Melted AlSi10Mg for a Broad Range of Process Parameters, *J. Manuf. Mater. Process.* 2025, *9*(6), 200; https://doi.org/10.3390/jmmp9060200 - 16 Jun 2025.
222. M Polajnar, T Požar, M Kalin, Perfluorocarboxylic acids as additives for friction reduction in full-film EHD contacts: Influence of additive chain length, Tribology International, Vol. 211, 110892.
221. POLAJNAR, Marko, ČOGA, Lucija, SHARMA, Sandan Kumar, KALIN, Mitjan. Laboratory tribological screening test methodologies to evaluate the performance of metalworking lubricants for punching stamping. Tribology international. 2025, vol. 211, [article no.] 110815.
220. ČOGA, Lucija, POLAJNAR, Marko, SAMODUROVA, Anastasia, KALIN, Mitjan. Tribological properties of steel sheet with epoxy-based enamel coating under dry and lubricated conditions for stamping applications. Journal of Materials Research and Technology. May-Jun. 2025, vol. 36, str. 7666-7675.
219. YAQUB, Talha Bin, NADEEM, Irfan, FERNANDES, Filipe Daniel, YAQOOB, Khurram, KALIN, Mitjan, CAVALEIRO, Albano. Nitrogen alloyed MoSe 2 coatings: role of optimized morphology, structure and mechanical properties on diverse environment sliding performance. Tribology international. 2025, vol. 209, [article no.] 110716.
218. YAQUB, Talha Bin, NADEEM, Irfan, HAQ, Muhammad Aneeq, YASIR, Muhammad, CAVALEIRO, Albano, KALIN, Mitjan. Investigating the effects of long-term ambient air storage on the sliding properties of n-alloyed MoSe 2 coatings. Nanomaterials. [Online ed.]. 2025, vol. 15, issue. 6, [article no.] 414.
217. KALIN, Mitjan, SIDDIQUI, M. Shoaib Naseem, POŽAR, Tomaž. Ready-to-use contact-temperature model for polymer/steel pin-on-disc contacts with some improved thermodynamic approaches. Tribology international. Oct. 2025, vol. 210, 110732
216. NADEEM, Irfan, FINŠGAR, Matjaž, DRAŽIĆ, Goran, AMBROŽIČ, Bojan, MALOK, Matjaž, CAVALEIRO, Albano, KALIN, Mitjan. Macroscale superlubricity with a high load-carrying capacity enabled by nitrogen-doped graphene quantum dots in lubricated silicon-doped amorphous carbon films. *Small structures*. First published: 19 May 2025, Vol 6, Iss. 7, DOI 10.1002/sstr.202400671.
215. M. Kalin, P. Jan, Understanding the friction laws of Amontons and Coulomb by evaluating the real contact area. *Friction*, 2025, https://www.sciopen.com/article/10.26599/FRICT.2025.9440986.
214. A. Naseer, M. Evaristo, M. Kalin, A. Cavaleiro, Effect of silicon and oxygen co-doping on structure and properties of non-hydrogenated amporphous carbon, Surface and coatings technology 496 (2025) 131616.
213. Muhammad Shahid Arshad, Lucija Čoga, Janez Kovač, Thomas Geue, Sandra M. A. Cruz, Mitjan Kalin. Understanding the Role of Tungsten species in Diamond-like Carbon Coatings for Enhanced Interaction with Ionic Liquids, *Tribology international*, 2025, Vol.201, https://doi.org/10.1016/j.tribonit.2024.110220
212. GANGWANI, Prashant, EMAMI, Nazanin, KALIN, Mitjan. Tribological behaviour of nano-titanium dioxide filled UHMWPE composites with a variety of micro fillers based on carbon, boron nitride and silicon dioxide under water-lubricated condition. *Tribology international*. 2025, vol. 204, 110479, 1-22.
211. Prakasaro, Chodisetti Surya, Nadeem, Irfan, KALIN, Mitjan, Kumar, B. Venkata Manoj. Development of electrical discharge machinable SiC-ZrN composites: unveiling high temperature sliding wear resistance. *Journal of the European ceramic society*. 2025, vol. 45, iss. 3, 117040, 1-12.

210. KNEISSL, Lucas M., JOFFE, Roberts, KALIN, Mitjan, EMAMI, Nazanin. Improving the tribological performance of POM through the incorporation of bio-based materials. *Polymers*. 2024, vol. 16, 2310.
209. I. Nadeem, M. Finšgar, G. Dražić, M. Malok, A. Morina, M. Kalin, Robust and durable superlubricity enabled by carboxylated graphene quantum dots in lubricated steel contacts, *CARBON*, Volume 226, June 2024, 119226.
208. ŠAPEK, Alen, KALIN, Mitjan, GODEC, Matjaž, DONIK, Črtomir, MARKOLI, Boštjan. Efect of feed rate during induction hardening on the hardening depth, microstructure, and wear properties of tool-grade steel work roll. *Journal of materials science. Materials in engineering*. 2024, vol. 19, str. 1-18.
207. PRAKASARO, Chodisetti Surya, KALIN, Mitjan, KUMAR, B. V. Manoj. Influence of TiB2 and wear conditions on friction and wear behaviour of SiC ceramics in reciprocating sliding. *Journal of the European ceramic society*. May 2024, vol. 44, iss. 5, 2704-2719.
206. I. Nadeem, B. Ambrožič, G. Dražič, J. Kovač, A. Cavaleiro, M. Kalin, Super-low friction and wear in steel contacts enabled by tribo-induced structural degradation of graphene quantum dots. *Materials & design*. Aug. 2024, vol. 244, article no. 113111.

205. BLAZNIK, Mojca, FEI, Chenyi, KOŠMRLJ, Andrej, KALIN, Mitjan, STOPAR, David. Mechanical constraints to unbound expansion of B. subtilis on semi-solid surfaces. *Microbiology spectrum*. 2024, vol 12, iss 1, 1-16.
204. FERREIRA, Pedro Martins, TRINDADE, Bruno, KALIN, Mitjan. Aging of polyetheretherketone (PEEK) and polyphthalamide (PPA) in polar and non-polar lubricant base oils. *Polymer testing*. Feb. 2024, vol. 131, 108342, 1-12.
203. J. Shu, C. Espejo, M. Kalin, A. Morina, Tribological performance of fatty acid, acid/ amine additive mixture and ionic liquid, *Proc IMechE Part J: J Engineering Tribology* 1–15, 2024.
202. ASTRATH, Nelson Guilherme Castelli, BERGMANN, E. V., ANGHINONI, Bruno, FLIZIKOWSKI, Gabriel Antonio Siqueira, NOVATSKI, A., JACINTO, C., POŽAR, Tomaž, KALIN, Mitjan, MALACARNE, Luis Carlos, BAESSO, Mauro L. Towards a comprehensive characterization of spatio-temporal dependence of light-induced electromagnetic forces in dielectric liquids. *Scientific reports*. Mar. 2024, vol. 14, article no. 5595, 1-13.
201. A. Naseer, M. Evaristo, J. Oliveira, M. Kalin, A. Cavaleiro, A sustainable deposition method for diamond-like nanocomposite coatings – Insights into the evolution of atomic structure and properties Author links open overlay panel, Surface and Coatings Technology, 489 (2024), 131082**.**
200. M. Kalin, J. Jerina, S. Kumar Sharma, J. Kovac, The effect of temperature on the transfer layer of an aluminium alloy on tool steel and the effect of CrN coating, *Tribology - Materials, Surfaces & Interfaces* 2024, Vol. 18(1) 11–19.
199. JAN, Petra, BRODNIK ŽUGELJ, Blaž, KALIN, Mitjan. In-situ micro-asperity investigation of real contact area formation during sliding with the effects of roughness and normal load considered. *Tribology international*. Mar. 2024, vol. 191, 1-9.
198. TRAJKOVSKI, Ana, MATKOVIČ, Sebastjan, NOVAK, Nejc, NADEEM, Irfan, KALIN, Mitjan, MAJDIČ, Franc. Glycerol aqueous solutions for the enhanced tribological behaviour of polymer composites sliding against steel. *Tribology international*. Apr. 2024, vol. 192, 109173, 1-11
197. SHU, Ju, ESPEJO, Cayetano, KALIN, Mitjan, MORINA, Ardian. Synergism between bio-based oleate ester and low-concentration ZDDP under reciprocating contacts. *Tribology international*. Apr. 2024, vol. 192, 109252, 1-11
196. S. Matkovič, M. Kalin, Effect of the coefficient of friction on gear-tooth root fatigue for both dry and lubricated running polymer gears, Tribol Int 194 (2024) 109525.
195. P. Gangwani, J. Kovač, N. Emami, M. Kalin, Effect of multi-scale fillers on the tribological behavior of UHMWPE composites in water-lubricated contacts, *Tribology international,* 196 (2024) 109669.
194. P. M. Ferreira, Q. Arnoux, C. Charrin, B. Trindade, M. Kalin,Lubrication of polyphthalamide (PPA) and polyetheretherketone (PEEK) with biodegradable synthetic esters: Effects of base oil polarity, temperature and polymer aging, *Tribology International* 200 (2024) 110157.
193. TRAJKOVSKI, Ana, NOVAK, Nejc, PUSTAVRH, Jan, KALIN, Mitjan, MAJDIČ, Franc. Prednost uporabe inženirskih polimerov za trajnostne hidravlične komponente. *Ventil : revija za fluidno tehniko in avtomatizacijo*. Aug. 2024, Vol 30, Nr 4, 226-233.
192. SPAČAL, Žan, MAJDIČ, Franc, KALIN, Mitjan, TRAJKOVSKI, Ana. Trajnostni testi 3D natisnjenih vodno-hidravličnih proporcionalnih potnih ventilov. *Ventil : revija za fluidno tehniko in avtomatizacijo*. Oct. 2024, Vol. 30, Nr 5, 296-304.

191. GANGWANI, Prashant, KALIN, Mitjan, EMAMI, Nazanin. Does a compatibilizer enhance the properties of carbon fiber-reinforced composites?. *Polymers*. Dec. 2023, vol. 15, iss. 23, [art. nr.] 4608, 1-18.
190. NOVAK, Nejc, TRAJKOVSKI, Ana, KALIN, Mitjan, MAJDIČ, Franc. Trajnostno preizkušanje hidravličnih zobniških črpalk. *Ventil : revija za fluidno tehniko in avtomatizacijo*. Dec. 2023, Vol 29, 6, 384-390.
189. TRAJKOVSKI, Ana, NOVAK, Nejc, PUSTAVRH, Jan, KALIN, Mitjan, MAJDIČ, Franc. Performance of polymer composites lubricated with glycerol and water as green lubricants. *Applied sciences*. 2023, vol.13, is.13, 1-15.
188. NOVAK, Nejc, TRAJKOVSKI, Ana, KALIN, Mitjan, MAJDIČ, Franc. Degradation of hydraulic system due to wear particles or medium test dust. *Applied sciences*. 2023, vol. 13, iss. 13, 1-20.
187. BASTAKYS, Lukas, MARCINAUSKAS, Liutauras, MILIEŠKA, Mindaugas, KALIN, Mitjan, KEŽELIS, Romualdas. Tribological properties of Cr2O3,Cr2O3–SiO2−TiO2 and Cr2O3–SiO2−TiO2-graphite coatings deposited by atmospheric plasma spraying. *Coatings*. Feb. 2023, vol. 13, iss. 2, 1-17.

186. MATHEW, Jacob Shiby, MARCINAUSKAS, Liutauras, KAVALIAUSKAS, Žydrunas, KEŽELIS, Romualdas, KALIN, Mitjan. Effect of spraying power on the tribological properties of alumina and alumina-graphite coatings. *Coatings*. Jun. 2023, vol. 13, iss. 7, 1-15.
185. SHAH, Hamad Hussain, AMIN, Muhammad, IQBAL, Amjad, NADEEM, Irfan, KALIN, Mitjan, SOOMAR, Arsalan Muhammad, GALAL, Ahmed M. A review on gasification and pyrolysis of waste plastics. *Frontiers in chemistry*. Feb. 2023, vol. 10, 1-38.
184. POLAJNAR, Marko, ČOGA, Lucija, KALIN, Mitjan. Base lubricants for green stamping: the effects of their structure and viscosity on tribological performance. *Friction 11(9): 1741–1754 (2023).*
183. PETELIN, Nada, KALIN, Mitjan, KITANOVSKI, Andrej. A conceptual design of a thermal switch capacitor in a magnetocaloric device: experimental characterization of properties and simulations of operating characteristics. *JPhys energy*. Jul. 2023, vol. 5, no. 3, [article no.] 035007, 1-15.
182. KNEISSL, Lucas M., GONÇALVES, Gil, JOFFE, Roberts, KALIN, Mitjan, EMAMI, Nazanin. Mechanical properties and tribological performance of polyoxymethylene/short cellulose fiber composites. *Polymer testing*. Nov. 2023, vol. 128, 1-12.
181. MARCINAUSKAS, Liutauras, MATHEW, Jacob Shiby, MILIEŠKA, Mindaugas, AIKAS, Mindaugas, KALIN, Mitjan. Influence of graphite content on the tribological properties of plasma sprayed alumina-graphite coatings. *Surfaces and interfaces*. Jun. 2023, vol. 38, 1-13.
180. KALIN, Mitjan, BRODNIK ŽUGELJ, Blaž, LAMUT, Martin, HAMOUDA, Karim. Elastic and plastic deformation of surface asperities and their load-carrying mechanisms during the formation of a real contact area. *Tribology international*. Feb. 2023, vol. 178, pt. a, 1-9.
179. SIDDIQUI, M. Shoaib Naseem, POGAČNIK, Aljaž, KALIN, Mitjan. Influence of load, sliding speed and heat-sink volume on the tribological behaviour of polyoxymethylene (POM) sliding against steel. *Tribology international*. Feb. 2023, vol. 178, pt. a, 1-12.
178. KOGOVŠEK, Janez, KALIN, Mitjan. Comparison of graphene as an oil additive with conventional automotive additives for the lubrication of steel and DLC-coated surfaces. *Tribology international*. Feb. 2023, vol. 180, 1-11.
177. NADEEM, Irfan, MALOK, Matjaž, KOVAČ, Janez, YAQUB, Talha Bin, CAVALEIRO, A., KALIN, Mitjan. Superior macro-scale tribological performance of steel contacts based on graphene quantum dots in aqueous glycerol. *Tribology international*. Mar. 2023, vol. 181, 1-15.
176. ARSHAD, Muhammad Shahid, ČOGA, Lucija, GEUE, Thomas M., KOVAČ, Janez, CRUZ, Sandra, KALIN, Mitjan. The W-cluster reactive sites interaction model for WDLC coatings with ionic liquids. *Tribology international*. 2023, vol. 185, 1-11.
175. JAN, Petra, MATKOVIČ, Sebastjan, BEK, Marko, SLEMENIK PERŠE, Lidija, KALIN, Mitjan. Tribological behaviour of green wood-based unrecycled and recycled polypropylene composites. *Wear*. July 2023, vol. 524/525, 1-8.
174. NOVAK, Nejc, TRAJKOVSKI, Ana, POLAJNAR, Marko, KALIN, Mitjan, MAJDIČ, Franc. Wear of hydraulic pump with real particles and medium test dust. *Wear*. Nov. 2023, vol. 532/533, 1-13.

173. JAPIĆ, Dajana, KULOVEC, Simon, KALIN, Mitjan, SLAPNIK, Janez, NARDIN, Blaž, HUSKIĆ, Miroslav. Effect of expanded graphite on mechanical and tribological properties of polyamide 6/glass fibre composites. *Advances in polymer technology*. 2022, vol. 2022, 1-8.
172. ČOGA, Lucija, AKBARI, Somayeh, KOVAČ, Janez, KALIN, Mitjan. Differences in nano-topography and tribochemistry of ZDDP tribofilms from variations in contact configuration with steel and DLC surfaces. *Friction*. Feb. 2022, vol. 10, iss. 2, 296–315.
171. SHARMA, Sandan Kumar, CHAUDHARY, Kapil, GUPTA, Yashpal, KALIN, Mitjan, KUMAR, B. V. Manoj. Erosive wear behavior of spark plasma-sintered SiC–TaC composites. *International journal of applied ceramic technology*. May/Jun. 2022, vol. 19, iss. 3, 1691-1701.
170. SHANKAR VADIVEL, Hari, SOMBERG, Julian, KALIN, Mitjan, EMAMI, Nazanin. Tribological performance of a UHMWPE-based multiscale composite under different lubrication and loads. *Lubrication science*. Nov. 2022, vol. 34, iss. 7, 480-492.
169. SHANKAR VADIVEL, Hari, AL-MAQDASI, Zainab, PUPURE, Liva, JOFFE, Roberts, KALIN, Mitjan, EMAMI, Nazanin. Time-dependent properties of newly developed multiscale UHMWPE composites. *Polymer testing*. [Print ed.]. Jan. 2022, vol. 105, 1-10.

168. BEK, Marko, AULOVA, Alexandra, PUŠNIK ČREŠNAR, Klementina, MATKOVIČ, Sebastjan, KALIN, Mitjan, SLEMENIK PERŠE, Lidija. Long-term creep compliance of wood polymer composites: using untreated wood fibers as a filler in recycled and neat polypropylene matrix. *Polymers*. June 2022, vol. 14, iss. 13 (2539), 19.
167. KRIEGL, Raphael, KRAVANJA, Gaia, HRIBAR, Luka, ČOGA, Lucija, DREVENŠEK OLENIK, Irena, JEZERŠEK, Matija, KALIN, Mitjan, SHAMONIN, Mikhail. Microstructured magnetoactive elastomers for switchable wettability. *Polymers*. Sep. 2022, vol. 14, art. no. 3883, 22.
166. JING, Zhaogang, GUO, Feng, JIN, Wei, KALIN, Mitjan, POLAJNAR, Marko. Study on the influence of interfacial slip on the lubrication performance of a step slider bearing. *Tribology international*. Dec. 2022, vol. 176, 1-9.

165. MATHEW, Jacob Shiby, MARCINAUSKAS, Liutauras, KALIN, Mitjan, KEŽELIS, Romualdas, KAVALIAUSKAS, Žydrunas, GECEVIČIUS, Giedrius, ČAPAS, Vytautas. Improvement of the tribological properties of alumina coatings by zirconia addition. *Coatings*. 2021, vol. 11, 1-14.
164. KALIN, Mitjan, KUS, Maja. New strategy for reducing the EHL friction in steel contacts using additive-formed oleophobic boundary films. *Friction*. 2021, vol. 9, iss. 6, 1346-1360.
163. SHANKAR VADIVEL, Hari, BEK, Marko, ŠEBENIK, Urška, SLEMENIK PERŠE, Lidija, KÁDÁR, Roland, EMAMI, Nazanin, KALIN, Mitjan. Do the particle size, molecular weight, and processing of UHMWPE affect its thermomechanical and tribological performance?. *Journal of Materials Research and Technology*. May-Jun. 2021, vol. 12, 1728-1737.
162. LOVŠIN, Matija, BRANDL, Dominik, GLAVAN, Gašper, BELYAEVA, Inna A., CMOK, Luka, ČOGA, Lucija, KALIN, Mitjan, SHAMONIN, Mikhail, DREVENŠEK OLENIK, Irena. Reconfigurable surface micropatterns based on the magnetic field-induced shape memory effect in magnetoactive elastomers. *Polymers*. Dec. 2021, vol. 13, no. 24, 4422-1-4422.
161. POLAJNAR, Marko, THIÉBAUT, Benoît, JARNIAS, Frederic, KALIN, Mitjan. Elasto-hydrodynamic friction changes on steel surfaces arising from the modified surface energy of the steel due to additive boundary films. *Tribology international*. Dec. 2021, vol. 164, 1-10.
160. MATKOVIČ, Sebastjan, KALIN, Mitjan. Effects of slide-to-roll ratio and temperature on the tribological behaviour in polymer-steel contacts and a comparison with the performance of real-scale gears. *Wear*. July 2021, vol. 477, 1-13.
159. MATKOVIČ, Sebastjan, POGAČNIK, Aljaž, KALIN, Mitjan. Wear-coefficient analyses for polymer-gear life-time predictions: a critical appraisal of methodologies. *Wear*. 15. Sep. 2021, vol. 480/481, 1-12.

158. KUS, Maja, KALIN, Mitjan. Additive chemical structure and its effect on the wetting behaviour of oil at 100°C. *Applied Surface Science*. Mar. 2020, vol. 506, 1-11.
157. PUŠAVEC, Franci, STERLE, Luka, KALIN, Mitjan, MALLIPEDDI, Dinesh, KRAJNIK, Peter. Tribology of solid-lubricated liquid carbon dioxide assisted machining. *CIRP annals*. 2020, vol. 69, iss. 1, 69-72.
156. MARCINAUSKAS, Liutauras, MATHEW, Jacob Shiby, MILIEŠKA, Mindaugas, AIKAS, Mindaugas, KALIN, Mitjan. Effect of graphite concentration on the tribological performance of alumina coatings. *Journal of alloys and compounds*. Jun. 2020, vol. 827, 1-8.
155. TORRES, Hector, ROJACZ, Harald, ČOGA, Lucija, KALIN, Mitjan, RODRÍGUEZ RIPOLL, Manel. Local mechanical and frictional properties of Ag/MoS2-doped self-lubricating Ni-based laser claddings and resulting high temperature vacuum performance. *Materials & design*. 2020, vol. 186, 1-13.
154. BRODNIK ŽUGELJ, Blaž, KALIN, Mitjan. Submicron-scale experimental analyses of the multi-asperity contact behaviour of various steels, an aluminium alloy and a polymer. *Tribology international*. Jan. 2020, vol. 141, 1-8.
153. ARSHAD, Muhammad Shahid, KOVAČ, Janez, CRUZ, Sandra, KALIN, Mitjan. Physicochemical and tribological characterizations of WDLC coatings and ionic-liquid lubricant additives: potential candidates for low friction under boundary-lubrication conditions. *Tribology international*. Nov. 2020, vol. 151, 1-10.

152. KUS, Maja, KALIN, Mitjan. Influence of additives and their molecular structure on the static and dynamic wetting of oil on steel at room temperature. *Applied Surface Science*. Oct. 2019, vol. 490, 420-429.
151. ČOGA, Lucija, SIMIČ, Rok, GEUE, Thomas M., KALIN, Mitjan. Additive adsorption on DLC coatings in static and tribological conditions using neutron reflectometry. *Frontiers in mechanical engineering, 5,* 2019, 1- 9.

150. PEJAKOVIĆ, Vladimir, TOTOLIN, Vladimir, RISTIC, Andjelka, GABLER, Christoph, KALIN, Mitjan, DÖRR, Nicole. Tribological performance and degradation of 1-n-butyl-1-methylpyrrolidinium methylsulfate ionic liquid in glycerol as lubricant for steel-steel sliding contacts. *Lubrication science*. 2019, vol. 31, iss. 4, 137-149.
149. STRMČNIK, Ervin, MAJDIČ, Franc, KALIN, Mitjan. Influence of a diamond-like carbon-coated mechanical part on the operation of an orbital hydraulic motor in water. *Metals*. Apr. 2019, vol. 9, iss. 4, f. 1-14.
148. KALIN, Mitjan, POLAJNAR, Marko, KUS, Maja, MAJDIČ, Franc. Green tribology for the sustainable engineering of the future. *Strojniški vestnik*. Nov.-Dec. 2019, vol. 65, no. 11/12, 709-727.
147. TOMALA, Agnieszka Maria, RODRÍGUEZ RIPOLL, Manel, KOGOVŠEK, Janez, KALIN, Mitjan, BEDNARSKA, A., MICHALCZEWSKI, R., SZCZEREK, M. Synergisms and antagonisms between MoS2 nanotubes and representative oil additives under various contact conditions. *Tribology international*. Jan. 2019, vol. 129, 137-150.
146. STRMČNIK, Ervin, MAJDIČ, Franc, KALIN, Mitjan. Water-lubricated behaviour of AISI 440C stainless steel and a DLC coating for an orbital hydraulic motor application. *Tribology international*. Mar. 2019, vol. 131, 128-136.
145. KOGOVŠEK, Janez, KALIN, Mitjan. Lubrication performance of graphene-containing oil on steel and DLC-coated surfaces. *Tribology international*. Oct. 2019, vol. 138, 59-67.
144. POLJANEC, Dejan, KALIN, Mitjan. Effect of polarity and various contact pairing combinations of electrographite, polymer-bonded graphite and copper on the performance of sliding electrical contacts. *Wear*. Apr. 2019, vol. 426/427, part b, 1163-1175.
143. L. Sterle, M. Kalin, F. Pušavec, Performance Evaluation of Solid Lubricants Under Machining-Like Conditions, Procedia CIRP 77 (2018) 401–404
142. KITANO, Houichi, DOHDA, Kuniaki, KALIN, Mitjan, EHMANN, Kornel F. Galling growth analysis in metal forming. *Manufacturing letters*. Apr. 2018, vol. 16, f. 32-35.
141. MARCINAUSKAS, Liutauras, MATHEW, Jacob Shiby, MILIEŠKA, Mindaugas, THANIGACHALAM, Balakumaran, KUPEC, Alja, ČESNAVIČIUS, Ramunas, KEŽELIS, Romualdas, KALIN, Mitjan. Microstructure and tribological properties of plasma sprayed alumina and alumina-graphite coatings. *Surface & coatings technology*. Sep. 2018, vol. 350, 401-409.
140. BRODNIK ŽUGELJ, Blaž, KALIN, Mitjan. Submicron-scale experimental analyses of multi-asperity contacts with different roughnesses. *Tribology international*. Mar. 2018, vol. 119, 667-671.
139. KALIN, Mitjan, POLJANEC, Dejan. Influence of the contact parameters and several graphite materials on the tribological behaviour of graphite/copper two-disc electrical contacts. *Tribology international*. Oct. 2018, vol. 126, 192-205.
138. POLJANEC, Dejan, KALIN, Mitjan, KUMAR, Ludvik. Influence of contact parameters on the tribological behaviour of various graphite/graphite sliding electrical contacts. *Wear*. Jul. 2018, vol. 406-407, 75-83.
137. SHARMA, Sandan Kumar, KUMAR, B. V. Manoj, BRODNIK ŽUGELJ, Blaž, KALIN, Mitjan, YOUNG-WOOK, Kim. Room and high temperature reciprocated sliding wear behavior of SiC-WC composites. *Ceramics international*. Dec. 2017, vol. 43, iss. 18, 16827-16834.
136. GOLJA, Viviana, DRAŽIĆ, Goran, LORENZETTI, Martina, VIDMAR, Janja, ŠČANČAR, Janez, ZALAZNIK, Maša, KALIN, Mitjan, NOVAK, Saša. Characterisation of food contact non-stick coatings containing TiO2 nanoparticles and study of their possible release into food. *Food additives & contaminants. Part A., Chemistry, analysis, control, exposure & risk assessment*. 2017, no. 3, vol. 34, 421-433.
135. POLAJNAR, Marko, BIZJAN, Benjamin, ŠIROK, Brane, KALIN, Mitjan. High-speed optical imaging of liquid film flow and liquid macro-slip over free surfaces with different surface energies. *Lubrication science*. Online ed. Dec. 2017, vol. 29, iss. 8, 557-566.
134. BRODNIK ŽUGELJ, Blaž, KALIN, Mitjan. In-situ observations of a multi-asperity real contact area on a submicron scale. *Strojniški vestnik*. June 2017, vol. 63, no. 6, 351-362.
133. TOMALA, Agnieszka Maria, RODRÍGUEZ RIPOLL, Manel, GABLER, C., REMŠKAR, Maja, KALIN, Mitjan. Interactions between MoS2 nanotubes and conventional additives in model oils. *Tribology international*. June 2017, vol. 110, 140-150.
132. SIMONOVIĆ, Kosta, KALIN, Mitjan. Experimentally derived friction model to evaluate the anti-wear and friction-modifier additives in steel and DLC contacts. *Tribology international*. July 2017, vol. 111, 116-137.
131. KALIN, Mitjan, KUPEC, Alja. The dominant effect of temperature on the fatigue behaviour of polymer gears. *Wear*. Apr. 2017, vol. 376/377, part b, 1339-1346.

130. POGAČNIK, Aljaž, KUPEC, Alja, KALIN, Mitjan. Tribological properties of polyamide (PA6) in self-mated contacts and against steel as a stationary and moving body. *Wear*. May 2017, vol. 378/379, 17-26.
129. POLAJNAR, Marko, KALIN, Mitjan, THORBJORNSSON, Ingólfur, THORGRIMSSON, Jon Thor, VALLE, Nathalie, BOTOR-PROBIERZ, Agnieszka. Friction and wear performance of functionally graded ductile iron for brake pads. *Wear*. 2017, vol. 382-383, 85-94.
128. PODGORNIK, Bojan, KAFEXHIU, Fevzi, KOSEC, Tadeja, JERINA, Jure, KALIN, Mitjan. Friction and anti-galling properties of hexagonal boron nitride (h-BN) in aluminium forming. *Wear*. 2017, vol.388/389, 2-8.
127. VALANT, Matjaž, LUIN, Uroš, FANETTI, Mattia, MAVRIČ, Andraž, VYSHNIAKOVA, Kateryna, SIKETIĆ, Zdravko, KALIN, Mitjan. Fully transparent nanocomposite coating with an amorphous alumina matrix and exceptional wear and scratch resistance. *Advanced functional materials*. 2016, vol. 26, no. 24, 4362-4369.
126. SIMIČ, Rok, KALIN, Mitjan, KOVAČ, Janez, JAKŠA, Gregor. Adsorption of alcohols and fatty acids onto hydrogenated (a-C:H) DLC coatings. *Applied Surface Science*. Feb. 2016, vol. 363, 466-476.
125. AKBARI, Somayeh, KOVAČ, Janez, KALIN, Mitjan. Effect of ZDDP concentration on the thermal film formation on steel, hydrogenated non-doped and Si-doped DLC. *Applied Surface Science*. [Print ed.]. Oct. 2016, vol. 383, 191-199.
124. ZALAZNIK, Maša, NOVAK, Saša, HUSKIĆ, Miroslav, KALIN, Mitjan. Tribological behaviour of a PEEK polymer containing solid MoS2 lubricants. *Lubrication science*. 2016, vol. 28, iss. 1, 27-42.
123. KALIN, Mitjan, POGAČNIK, Aljaž, ETSION, I., RAEYMAEKERS, B. Comparing surface topography parameters of rough surfaces obtained with spectral moments and deterministic methods. *Tribology international*. Jan. 2016, vol. 93, pt. a, 137-141.
122. ZALAZNIK, Maša, KALIN, Mitjan, NOVAK, Saša. Influence of the processing temperature on the tribological and mechanical properties of poly-ether-ether-ketone (PEEK) polymer. *Tribology international*. Feb. 2016, vol. 94, 92-97.
121. BARTOLOMÉ, Luis, OBLAK, Eva, KALIN, Mitjan. Mechanical behaviour and constitutive models of ZDDP tribofilms on DLC coatings using nano-indentation data and finite element modelling. *Tribology international*. Mar. 2016, vol. 95, 19-26.
120. KALIN, Mitjan, OBLAK, Eva, AKBARI, Somayeh. Evolution of the nano-scale mechanical properties of tribofilms formed from low- and high-SAPS oils and ZDDP on DLC coatings and steel. *Tribology international*. Apr. 2016, vol. 96, 43-56.
119. PEJAKOVIĆ, Vladimir, TOMASTIK, C., DÖRR, Nora, KALIN, Mitjan. Influence of concentration and anion alkyl chain length on tribological properties of imidazolium sulfate ionic liquids as additives to glycerol in steel-steel contact lubrication. *Tribology international*. May 2016, vol. 97, 234-243.
118. SIMONOVIĆ, Kosta, KALIN, Mitjan. Methodology of a statistical and doe approach to the prediction of performance in tribology: a DLC boundary-lubrication case study. *Tribology international*. 2016, 101, 10-24.
117. BARTOLOMÉ, Luis, OBLAK, Eva, KALIN, Mitjan. Sliding evolution of the mechanical behaviour of zinc dialkyldithiophosphate tribofilms on diamond-like carbon coatings. *Tribology letters*. 2016, v. 62, iss. 2, 1-9.
116. ZALAZNIK, Maša, KALIN, Mitjan, NOVAK, Saša, JAKŠA, Gregor. Effect of the type, size and concentration of solid lubricants on the tribological properties of the polymer PEEK. *Wear*. Oct. 2016, vol. 364-365, 31-39.
115. KALIN, Mitjan, JERINA, Jure. The effect of temperature and sliding distance on coated (CrN, TiAlN) and uncoated nitrided hot-work tool steels against an aluminium alloy. V: *20th International Conference on Wear Materials*. [Amsterdam]: Elsevier, 2015. Vol. 330/331, 371-379.
114. KALIN, Mitjan, ZALAZNIK, Maša, NOVAK, Saša. Wear and friction behaviour of poly-ether-ether-ketone (PEEK) filled with graphene, WS2 and CNT nanoparticles. V: *20th International Conference on Wear Materials*. [Amsterdam]: Elsevier, 2015. Vol. 330/331, 855-862.
113. LORENZETTI, Martina, DOGŠA, Iztok, STOŠICKI, Tjaša, STOPAR, David, KALIN, Mitjan, KOBE, Spomenka, NOVAK, Saša. The influence of surface modification on bacterial adhesion to titanium-based substrates. *ACS applied materials & interfaces*. 2015, vol. 7, 1644-1651.
112. IVEKOVIĆ, Aljaž, NOVAK, Saša, LUKEK, Marko, KALIN, Mitjan. Aqueous electrophoretic deposition of bulk polyether ether ketone (PEEK). *Journal of materials processing technology*. 2015, vol. 223, 58-64.
111. PEJAKOVIĆ, Vladimir, KALIN, Mitjan. Frictional behaviour of imidazolium sulfate ionic liquid additives under mixed slide-to-roll conditions. Part 1, Variation of mixtures with identical weight ratio of ionic liquid additive. *Lubrication science*. Dec. 2015, vol. 27, iss. 8, 463-477.

110. PEJAKOVIĆ, Vladimir, IGARTUA, Amaya, KALIN, Mitjan. Frictional behaviour of imidazolium sulfate ionic liquid additives under mixed slide-to-roll conditions. Part 2, Influence of concentration and chemical composition of ionic liquid additive. *Lubrication science*. Dec. 2015, vol. 27, iss. 8, 489-503.
109. MAHROVA, Maria, PAGANO, Francesco, PEJAKOVIĆ, Vladimir, VALEA, A., KALIN, Mitjan, IGARTUA, Amaya, TOJO, E. Pyridinium based dicationic ionic liquids as base lubricants or lubricant additives. *Tribology international*. Feb. 2015, vol. 82, pt. a, 245-254.
108. OBLAK, Eva, KALIN, Mitjan. Relationship between the nanoscale topographical and mechanical properties of tribochemical films on DLC coatings and their macroscopic friction behavior. *Tribology letters*. Sep. 2015, vol. 59, iss. 3, 1-16.
107. POLAJNAR, Marko, KALIN, Mitjan. Effect of the slide-to-roll ratio and the contact kinematics on the elastohydrodynamic friction in diamond-like-carbon contacts with different wetting behaviours. *Tribology letters*. Oct. 2015, vol. 60, iss. 1, 1-10.
106. JERINA, Jure, KALIN, Mitjan. Aluminium-alloy transfer to a CrN coating and a hot-work tool steel at room and elevated temperatures. *Wear*. 2015, vol. 340/341, 82-89.
105. KALIN, Mitjan, SIMIČ, Rok, HIRAYAMA, Tomoko, GEUE, Thomas M., KORELIS, P. Neutron-reflectometry study of alcohol adsorption on various DLC coatings. *Applied Surface Science*. Jan. 2014, vol. 288, 405-410.
104. MAJDIČ, Franc, KALIN, Mitjan, LJOKI, Alen. Cylinder seals in water and oil hydraulics. *Ventil : revija za fluidno tehniko in avtomatizacijo*. okt. 2014, vol. 20, nr. 5, 368-373.
103. KALIN, Mitjan, POLAJNAR, Marko. The wetting of steel, DLC coatings, ceramics and polymers with oilsand water : the importance and correlations of surface energy, surface tension, contact angle and spreading. *Applied Surface Science*. Feb. 2014, vol. 293, 97-108.
102. MAJDIČ, Franc, KALIN, Mitjan. Test rig and comparison of pressure changes at transient phenomena in water- and oil-based power-comtrol hydraulics. *Journal of vibroengineering*. Feb. 2014, vol. 16, 401-411.
101. PEJAKOVIĆ, Vladimir, KRONBERGER, Markus, KALIN, Mitjan. Influence of temperature on tribological behaviour of ionic liquids as lubricants and lubricant additives. *Lubrication science*. 2014, vol.26, 107-115.
100. KOMELJ, Matej, KALIN, Mitjan, DURHAM, John. Ab-initio investigation of chemical-bond formation at the diamond-like carbon surface. *Lubrication science*. 2014, vol. 26, issue 6, 440-445.
99. KRONBERGER, Markus, PAGANO, Francesco, PEJAKOVIĆ, Vladimir, IGARTUA, Amaya, URBISTONDO, Eva, KALIN, Mitjan. Miscibility and tribological investigations of ionic liquids in biodegradable esters. *Lubrication science*. 2014, vol. 26, iss. 7-8, 463-487.
98. MAJDIČ, Franc, KALIN, Mitjan. Characteristics of the stationary behaviour of water- and oil-based power-control hydraulics. *Mechanika*. 2014, vol. 20, no. 3, 274-281.
97. SIMIČ, Rok, KALIN, Mitjan, HIRAYAMA, Tomoko, KORELIS, P., GEUE, Thomas M. Fatty acid adsorption on several DLC coatings studied by neutron reflectometry. *Tribology letters*. Jan. 2014, vol. 53, iss. 1, 199-206.
96. KOGOVŠEK, Janez, KALIN, Mitjan. Various MoS2-, WS2- and C-based micro- and nanoparticles in boundary lubrication. *Tribology letters*. Mar. 2014, vol. 53, iss. 3, 585-597.
95. KALIN, Mitjan, KOGOVŠEK, Janez, KOVAČ, Janez, REMŠKAR, Maja. The formation of tribofilms of MoS2 nanotubes on steel and DLC-coated surfaces. *Tribology letters*. Sep. 2014, vol. 55, iss. 3, 381-391.
94. JERINA, Jure, KALIN, Mitjan. Initiation and evolution of the aluminium-alloy transfer on hot-work tool steel at temperatures from 20 °C to 500 °C. *Wear*. Nov. 2014, vol. 319, iss. 1/2, 234-244.
93. KALIN, Mitjan, SIMIČ, Rok. Atomic force microscopy and tribology study of the adsorption of alcohols on diamond-like carbon coatings and steel. *Applied Surface Science*. 2013, vol. 271, 317-328.
92. SIMIČ, Rok, KALIN, Mitjan. Adsorption mechanisms for fatty acids on DLC and steel studied by AFM and tribological experiments. *Applied Surface Science*. Oct. 2013, vol. 283, 460-470.
91. HORNUNG, J., ZIKIN, A., PICHELBAUER, K., KALIN, Mitjan, KIRCHGASSNER, M. Influence of cooling speed on the microstructure and wear behaviour of hypereutectic FeCrC hardfacings. *Materials Science & Engineering. A, Structural materials: Properties, Microstructure and Processing*. 2013, vol. 576, 243-251.
90. POGAČNIK, Aljaž, POŽAR, Tomaž, KALIN, Mitjan, MOŽINA, Janez. A homodyne quadrature laser interferometer for micro-asperity deformation analysis. *Sensors*. 2013, vol. 13, iss. 1, 703-720.
89. SIMIČ, Rok, KALIN, Mitjan. Comparison of alcohol and fatty acid adsorption on hydrogenated DLC coatings studied by AFM and tribological tests. *Strojniški vestnik*. Dec. 2013, vol. 59, no. 12, 707-718.
88. KOGOVŠEK, Janez, REMŠKAR, Maja, MRZEL, Aleš, KALIN, Mitjan. Influence of surface roughness and running-in on the lubrication of steel surfaces with oil containing MoS2 nanotubes in all lubrication regimes. *Tribology international*. May 2013, vol. 61, 40-47.

87. KALIN, Mitjan, POLAJNAR, Marko. The correlation between the surface energy, the contact angle and the spreading parameter, and their relevance for the wetting behaviour of DLC with lubricating oils. *Tribology international*. Oct. 2013, vol. 66, 225-233.
86. KALIN, Mitjan, POLAJNAR, Marko. The effect of wetting and surface energy on the friction and slip in oil-lubricated contacts. *Tribology letters*. Nov. 2013, vol. 52, iss. 2, 185-194.
85. KALIN, Mitjan, VELKAVRH, Igor. Non-conventional inverse-Stribeck-curve behaviour and other characteristics of DLC coatings in all lubrication regimes. *Wear*. Jan. 2013, vol. 297, iss. 1/2, 911-918.
84. MAJDIČ, Franc, VELKAVRH, Igor, KALIN, Mitjan. Improving the performance of a proportional 4/3 waterhydraulic valve by using a diamond-like-carbon coating. *Wear*. 2013, vol. 297, iss. 1/2, 1016-1024.
83. POGAČNIK, Aljaž, KALIN, Mitjan. How to determine the number of asperity peaks, their radii and their heights for engineering surfaces : a critical appraisal. *Wear*. 2013, vol. 300, iss. 1/2, 143-154.
82. KOGOVŠEK, Janez, REMŠKAR, Maja, KALIN, Mitjan. Lubrication of DLC-coated surfaces with MoS [sub] 2 nanotubes in all lubrication regimes : surface roughness and running-in effects. *Wear*. Jun. 2013, vol. 303, iss. 1/2, 361-370.
81. KALIN, Mitjan, KOGOVŠEK, Janez, REMŠKAR, Maja. Nanoparticles as novel lubricating additives in a green, physically based lubrication technology for DLC coatings. *Wear*. Jun. 2013, vol. 303, iss. 1/2, 480-485.
80. KALIN, Mitjan, POGAČNIK, Aljaž. Criteria and properties of the asperity peaks on 3D engineering surfaces. *Wear*. Nov. 2013, vol. 308, iss. 1/2, 95-104.
79. PEJAKOVIĆ, Vladimir, KRONBERGER, Markus, MAHROVA, Maria, VILAS, Miguel, TOJO, E., KALIN, Mitjan. Pyrrolidinium sulfate and ammonium sulfate ionic liquids as lubricant additives for steel/steel contact lubrication. *Journal of engineering tribology. Part J*. 2012, vol. 226, iss. 11, 923-932.
78. KRONBERGER, Markus, PEJAKOVIĆ, Vladimir, GABLER, C., KALIN, Mitjan. How anion and cation species influence the tribology of a green lubricant based on ionic liquids. *Journal of engineering tribology. Part J*. 2012, vol. 226, iss. 11, 933-951.
77. VELKAVRH, Igor, KALIN, Mitjan. Comparison of the effects of the lubricant-molecule chain length and the viscosity on the friction and wear of diamond-like-carbon coatings and steel. *Tribology international*. 2012, vol. 50, 57-65.
76. KALIN, Mitjan. Designing tribological interface for efficient and green DLC lubrication : the role of coatings and lubricants. *Tribology online*. 2012, vol. 7, no. 3, 112-118.
75. MAJDIČ, Franc, PEZDIRNIK, Jože, KALIN, Mitjan. Zmanjšanje izguborganic znotraj vodnega hidravličnega valja. *Ventil : revija za fluidno tehniko in avtomatizacijo*. avg. 2012, vol. 18, nr. 4, 284-289.
74. KALIN, Mitjan, KOGOVŠEK, Janez, REMŠKAR, Maja. Mechanisms and improvements in the friction and wear behavior using MoS2 nanotubes as potential oil additives. *Wear*. 2012, 280/281, iss. [4], 36-45.
73. POGAČNIK, Aljaž, KALIN, Mitjan. Parameters influencing the running-in and long-term tribological behaviour of polyamide (PA) against polyacetal (POM) and steel. *Wear*. 2012, vol. 290-291, 140-148.
72. VELKAVRH, Igor, KALIN, Mitjan. Effect of base oil lubrication in comparison with non-lubricated sliding in diamond-like carbon contacts. *Tribology : materials surfaces & interfaces*. 2011, vol. 5, no. 2, 53-58.
71. MAJDIČ, Franc, PEZDIRNIK, Jože, KALIN, Mitjan. Experimental validation of the lifetime performance of a proportional 4/3 hydraulic valve operating in water. *Tribology international*. 2011, V. 44, Iss. 12, 2013-2021.
70. KALIN, Mitjan, VIŽINTIN, Jože. Real contact temperatures as the criteria for the reactivity of diamond-like carbon coatings with oil additives. *Thin solid films*. Feb. 2010, vol. 518, nr. 8, . 2029-2036.
69. KALIN, Mitjan, ROMAN, E., OŽBOLT, Ljerka, VIŽINTIN, Jože. Metal-doped (Ti, WC) diamond-like-carbon coatings: Reactions with extreme-pressure oil additives under tribological and static conditions. *Thin solid films*. 2010, vol. 518, iss. 15, . 4336-4344.
68. MAJDIČ, Franc, PEZDIRNIK, Jože, KALIN, Mitjan. Primerjava delovanja vodne in oljne pogonsko-krmilne hidravlike. *Ventil : revija za fluidno tehniko in avtomatizacijo*. dec. 2010, vol. 16, nr. 6, . 520-527.
67. VELKAVRH, Igor, KALIN, Mitjan, VIŽINTIN, Jože. The influence of viscosity on the friction in lubricated DLC contacts at various sliding velocities. *Tribology international*. Dec. 2009, vol. 42, iss. 11/12, 1752-1757.
66. MAJDIČ, Franc, PEZDIRNIK, Jože, KALIN, Mitjan. Razvojno preizkušanje vodnega zvezno delujočega drsniškega potnega ventila. *Ventil : revija za fluidno tehniko in avtomatizacijo*. 2009, vol. 15, iss 6, 516-524.
65. KALIN, Mitjan, VELKAVRH, Igor, VIŽINTIN, Jože. The Stribeck curve and lubrication design for non-fully wetted surfaces. *Wear*. 15. jun. 2009, vol. 267, issues 5-8, . 1232-1240.

64. KRŽAN Boris, KALIN Mitjan, VIŽINTIN Jože. Tribološko ponašanje zupčanika s volfram-DLC prevlakom = Tribological behaviour of tungsten-doped DLC coated gears. *Goriva i maziva : časopis za tribologiju, tehniku podmazivanja i primjenu tekućih i plinovitih goriva i inženjerstvo izgaranja*. Kol. 2008, vol. 47, nr.4, 281-298.
63. MANOJ KUMAR, B.V., BIKRAMJIT, Basu, VIŽINTIN, Jože, KALIN, Mitjan. Tribochemistry in sliding wear of TiCN-Ni-based cermets. *Journal of materials research*. 2008, vol. 23, nr. 5, . 1214-1227.
62. KALIN, Mitjan, MAJDIČ, Franc, VIŽINTIN, Jože, PEZDIRNIK, Jože, VELKAVRH, Igor. Analysis of the long-term performance and tribological behavior of an axial piston pump using diamondlike-carbon-coated piston shoes and biodegradable oil. *Journal of tribology : Transactions of the ASME*. 2008, vol. 130, no. 1, 011013-1 - 011013-8.
61. KALIN, Mitjan, VELKAVRH, Igor, VIŽINTIN, Jože, OŽBOLT, Ljerka. Review of boundary lubrication mechanisms of DLC coating used in mechanical applications. *Meccanica : an international journal of Theoretical and Applied Mechanics AIMETA*. Dec. 2008, vol. 43, no. 6, 623-637.
60. VELKAVRH, Igor, KALIN, Mitjan, VIŽINTIN, Jože. The performance and mechanisms of DLC-coated surfaces in contact with steel in boundary-lubrication conditions : a review = Pregled učinkovitosti in mehanizmov trdih prevlek iz diamantu podobnega ogljika (DLC) v stikih z jeklom pri mejnem mazanju. *Strojniški vestnik*. 2008, vol. 54, nr. 3, 189-206.
59. MAJDIČ, Franc, PEZDIRNIK, Jože, KALIN, Mitjan. Comparative tribological investigations of continuous control valves for water hydraulics = Primerljive tribološke raziskave zveznih ventilov za vodno hidravliko. *Ventil : revija za fluidno tehniko in avtomatizacijo*. 2007, vol. 13, nr. 5, 310-316.
58. MANOJ KUMAR, B.V., BIKRAMJIT, Basu, KALIN, Mitjan, VIŽINTIN, Jože. Load-dependent transition in sliding wear properties of TiCN-WC-Ni cermets. *Journal of the American Ceramic Society*. 2007, vol. 90, nr. 5, 1534-1540.
57. NOVAK, Saša, KALIN, Mitjan, LUKAS, P., ANNE, G., VLEUGELS, Jozef, VAN DER BIEST, Omer. The effect of residual stresses in functionally graded alumina-ZTA composites on their wear and friction behaviour. *Journal of the European ceramic society*. 2007, vol. 27, 151-156.
56. KALIN, Mitjan, ROMAN, E., VIŽINTIN, Jože. The effect of temperature on the tribological mechanisms and reactivity of hydrogenerated, amorphous diamond-like carbon coatings under oil-lubricated conditions. *Thin solid films*. 2007, vol. 515, nr. 7/8, 3644-3652.
55. KRŽAN, Boris, KALIN, Mitjan, VIŽINTIN, Jože. The lubrication of DLC coated gears with environmentally adapted ester-based oil. *Gear technology*. 2006, vol. 23, nr. 4, 36-40.
54. KALIN, Mitjan, NOVAK, Saša, VIŽINTIN, Jože. Surface charge as a new concept for boundary lubrication of ceramics with water. *Journal of physics. D, Applied physics*. 2006, vol. 39, 3138-3149.
53. KALIN, Mitjan, DRAŽIĆ, Goran, NOVAK, Saša, VIŽINTIN, Jože. Wear mechanisms associated with the lubrication of zirconia ceramics in various aqueous solutions. *Journal of the European ceramic society*. 2006, vol. 26, 223-232.
52. MAJDIČ, Franc, PEZDIRNIK, Jože, KALIN, Mitjan. Voda kot hidravlična tekočina v pogonsko-krmilni hidravliki - 1. del = Water as hydraulic fluid in power-control hydraulics - part 1. *Ventil : revija za fluidno tehniko in avtomatizacijo*. 2006, vol. 12, nr. 3, 178-184.
51. MAJDIČ, Franc, PEZDIRNIK, Jože, KALIN, Mitjan. Voda kot hidravlična tekočina v pogonsko-krmilni hidravliki - 2. del = Water as hydraulic fluid in power-control hydraulics - part 2. *Ventil : revija za fluidno tehniko in avtomatizacijo*. 2006, vol. 12, nr. 4, 238-245.
50. KALIN, Mitjan, LESKOVŠEK, Vojteh, VIŽINTIN, Jože. Wear behaviour of deep-cryogenic treated high-speed steels at different loads. *Materials and manufacturing processes*. 2006, vol. 21, nr. 8, 741-746.
49. KALIN, Mitjan, VIŽINTIN, Jože, VERCAMMEN, K., BARRIGA, J., ARNŠEK, Aleš. The lubrication of DLC coatings with mineral and biodegradable oils having different polar and saturation characteristics. *Surface & coatings technology*. 2006, vol. 200, nr. 14/15, 4515-4522.
48. KALIN, Mitjan, VIŽINTIN, Jože. Differences in the tribological mechanisms when using non-doped, metal-doped (Ti, WC), and non-metal-doped (Si) diamond-like carbon against steel under boundary lubrication, with and without oil additives. *Thin solid films*. 2006, vol. 515, nr. 4, 2734-2747.
47. KALIN, Mitjan, VIŽINTIN, Jože. The tribological performance of DLC coatings under oil-lubricated fretting conditions. *Tribology international*. 2006, vol. 39, nr. 10, 1060-1067.
46. LESKOVŠEK, Vojteh, KALIN, Mitjan, VIŽINTIN, Jože. Influence of deep-cryogenic treatment on wear resistance of vacuum heat-treated HSS. *Vacuum*. 2006, vol. 80, nr. 6, 507-518.

45. BARRIGA, J., KALIN, Mitjan, VAN ACKER, Karel, VERCAMMEN, Karen, ORTEGA, A., LEIARISTI, L. Tribological performance of titanium doped and pure DLC coatings combined with a synthetic bio-lubricant. *Wear*. 2006, vol. 261, nr. 1, 9-14.
44. KALIN, Mitjan, VIŽINTIN, Jože. A comparison of the tribological behaviour of steel/steel, steel/DLC and DLC/DLC contact when lubricated with mineral and biodegradable oils. *Wear*. 2006, vol. 261, nr. 1, 22-31.
43. KALIN, Mitjan, JAHANMIR, Said, DRAŽIĆ, Goran. Wear mechanisms of glass-infiltrated alumina sliding against alumina in water. *Journal of the American Ceramic Society*. 2005, vol. 88, 346-352.
42. KERMC, Mihael, KALIN, Mitjan, VIŽINTIN, Jože. Development and use of an apparatus for tribological evaluation of ceramic-based brake materials. *Wear*. 2005, vol. 259, nr. 7/12, 1079-1087.
41. KALIN, Mitjan, VIŽINTIN, Jože. The tribological performance of DLC-coated gears lubricated with biodegradable oil in various pinion/gear material combinations. *Wear*. 2005, vol. 259, nr. 7/12, 1270-1280.
40. NOVAK, Saša, DRAŽIĆ, Goran, KALIN, Mitjan. Structural changes in ZrO[sub]2 ceramics during sliding under various environments. *Wear*. 2005, vol. 259, 562-568.
39. KALIN, Mitjan, VIŽINTIN, Jože. Advantages of using the ball-on-flat device in rolling-contact testing of ceramics. *Journal of the European ceramic society*. 2004, vol. 24, nr. 1, 11-15.
38. KALIN, Mitjan. Influence of flash temperatures on the tribological behaviour in low-speed sliding : a review. *Materials Science & Engineering. A, Structural materials: Properties, Microstructure and Processing*. [Print ed.]. 2004, vol. 374, nr. 1/2, 390-397.
37. KERMC, Mihael, STADLER, Zmago, KALIN, Mitjan. Temperaturne razmere v dotikih z jeklenimi in kompozitnimi zavornimi diski C/C-SiC = Surface temperatures in the contacts with steel and C/C-SiC composite brake discs. *Strojniški vestnik*. 2004, vol. 50, nr. 7/8, 346-359.
36. LESKOVŠEK, Vojteh, KALIN, Mitjan, VIŽINTIN, Jože. Microstructure, mechanical properties and wear behaviour of deep-cryogenic-treated HSS. *Transactions of heat treatment and heat treatment*. 2004, vol. 25, no. 5, 540-545,
35. VERCAMMEN, Karen, VAN ACKER, Karel, VANHULSEL, A., BARRIGA, J., ARNŠEK, Aleš, KALIN, Mitjan, MENEVE, Jan. Tribological behaviour of DLC coatings in combination with biodegradable lubricants. *Tribology international*. 2004, vol. 37, nr. 11/12, 983-989.
34. KALIN, Mitjan, VIŽINTIN, Jože, BARRIGA, J., VERCAMMEN, K., VAN ACKER, K., ARNŠEK, Aleš. The effect of doping elements and oil additives on the tribological performance of boundary-lubricated DLC/DLC contacts. *Tribology letters*. 2004, vol. 17, iss. 4, 679-688.
33. NOVAK, Saša, KALIN, Mitjan. The effect of pH on the wear of water-lubricated alumina and zirconia ceramics. *Tribology letters*. 2004, vol.17, 727-732.
32. KALIN, Mitjan, VIŽINTIN, Jože. A rolling-contact device that uses the ball-on-flat testing principle. *Wear*. 2004, vol. 256, 335-341.
31. KALIN, Mitjan, HOCKEY, Bernard, JAHANMIR, Said. Wear of hydroxyapatite sliding against glass-infiltrated alumina. *Journal of materials research*. 2003, vol. 18, nr. 1, 27-36.
30. BIKRAMJIT, Basu, VLEUGELS, Jozef, KALIN, Mitjan, VAN DER BIEST, Omer. Friction and wear behaviour of SiAlON ceramics under fretting contacts. *Materials Science & Engineering. A, Structural materials: Properties, Microstructure and Processing*. 2003, vol. 359, nr. 1/2, 228-236.
29. KALIN, Mitjan, JAHANMIR, Said. Influence of roughness on wear transition in glass-infiltrated alumina. *Wear*. 2003, vol. 255, 669-676.
28. KALIN, Mitjan, NOVAK, Saša, VIŽINTIN, Jože. Wear and friction behavior of alumina ceramics in aqueous solutions with different pH. *Wear*. 2003, vol. 254, 1141-1146.
27. KALIN, Mitjan, VIŽINTIN, Jože. Izračun kontaktnih temperatur z več različnimi modeli = Contact temperature calculation using several theoretical models. *Materiali in tehnologije*. 2002, vol. 36 (5) 187-192.
26. KALIN, Mitjan, JAHANMIR, Said, IVES, Lewis K. Effect of counterface roughness on abrasive wear of hydroxyapatite. *Wear*. 2002, vol. 252, 679-685.
25. PODGORNIK, Bojan, KALIN, Mitjan, VIŽINTIN, Jože, VODOPIVEC, Franc. Microstructural changes and contact temperatures during fretting in steel-steel contact. *Journal of tribology : Transactions of the ASME*. 2001, vol. 123, no. 4, 670-675.
24. KALIN, Mitjan, VIŽINTIN, Jože. Comparison of different theoretical models for the flash temperature calculation under fretting conditions. *Tribology international*. 2001, vol. 34, no. 12, special issue "nordtrib 2000", 831-839.

23. KALIN, Mitjan, VIŽINTIN, Jože. High temperature phase transformations under fretting conditions. *Wear*. 2001, vol. 249, no. 3/4, 172-181.
22. NOVAK, Saša, KALIN, Mitjan, KOSMAČ, Tomaž. Chemical aspects of wear of alumina ceramics. *Wear*. 2001, vol. 250, no. 1/12, 318-321.
21. KALIN, Mitjan, VIŽINTIN, Jože. A tentative explanation for the tribochemical effects in fretting wear. *Wear*. 2001, vol. 250, no. 1/12, 681-689.
20. KALIN, Mitjan, VIŽINTIN, Jože. Tribokemijske spremembe med jeklom in keramiko v fretinških razmerah = Tribochemical changes in steel and ceramics under fretting conditions. *Strojniški vestnik*. 2001, v. 47, nr. 3, 114-128.
19. KALIN, Mitjan, VIŽINTIN, Jože. Izračun kontaktnih temperatur v fretinških razmerah = Calculating the contact temperature for lubricated and dry fretting conditions. *Strojniški vestnik*. 2001, v.47, nr.3, 129-139.
18. KALIN, Mitjan, VIŽINTIN, Jože, VLEUGELS, Jozef, VAN DER BIEST, Omer. Influence of mechanical pressure and temperature on the chemical interaction between steel and silicon nitride ceramics. *Journal of materials research*. 2000, vol. 15, no. 6, 1367-1376.
17. KALIN, Mitjan, VIŽINTIN, Jože, VLEUGELS, Jozef, VAN DER BIEST, Omer. Chemical reactivity of silicon nitride with steel and oxidised steel between 500 and 1200°C. *Materials Science & Engineering. A, Structural materials: Properties, Microstructure and Processing*. 2000, vol. a281, issue 1/2, 28-36.
16. KALIN, Mitjan, VIŽINTIN, Jože. Use of equations for wear volume determination in fretting experiments. *Wear*. 2000, vol. 237, issue 1, 39-48.
15. VIŽINTIN, Jože, KALIN, Mitjan. Freting = Fretting. *Kovine zlitine tehnologije*. 1999, vol. 33, nr. 1/2, 55-59.
14. NOVAK, Saša, DRAŽIĆ, Goran, KALIN, Mitjan, VIŽINTIN, Jože. Interactions in silicon nitride ceramics vs. steel contact under fretting conditions. *Wear*. 1999, vol. 225/229, part ii, 1276-1283.
13. KALIN, Mitjan, VIŽINTIN, Jože. Mehanika in značilne oblike fretinga = Mechanics and characteristic forms of fretting. *Strojniški vestnik*. 1999, vol. 45, nr. 5, 170-184.
12. KALIN, Mitjan, VIŽINTIN, Jože. Primeri fretinga v sodobnih strojih in napravah = Occurance of fretting in modern devices and machinery. *Strojniški vestnik*. 1999, vol. 45, nr. 5, 185-198.
11. KALIN, Mitjan, VIŽINTIN, Jože. Preskušanje materialov na odpornost proti utrujanju pri kotaljenju = Rolling contact fatigue testing. *Kovine zlitine tehnologije*. 1998, vol. 32, nr. 1/2, 91-94.
10. VIŽINTIN, Jože, KALIN, Mitjan, PODGORNIK, Bojan, NOVAK, Saša. Comparison of the fretting wear of 100Cr6/100Cr6, Si3N4/Si3N4 and Si3N4/100Cr6 contacts in lubricated and dry conditions. *Lubrication science*. 1997, 9, 4, 391-408.
9. KALIN, Mitjan, VIŽINTIN, Jože. Vpliv vrste mazanja in sestave momenta trenja na skupno trenje v kroglični ležajih = The influence of the lubrication type and the structure of friction torque on total friction in ball bearings. *Strojniški vestnik*. 1997, let. 43, nr. 5/6, 231-238.
8. KALIN, Mitjan, VIŽINTIN, Jože. Preizkuševališče kotalnih ležajev in maziv CTD-ML1 = Rolling bearings and lubricants testing machine CTD-ML1. *Strojniški vestnik*. 1997, let. 43, nr. 5/6, 239-247.
7. KALIN, Mitjan, VIŽINTIN, Jože. Računalniško simuliranje delovanja krogličnih ležajev = Computer simulation of the rolling bearings operation. *Strojniški vestnik*. 1997, let. 43, nr. 5/6, 248-257.
6. KALIN, Mitjan, VIŽINTIN, Jože, NOVAK, Saša, DRAŽIĆ, Goran. Wear mechanisms in oil-lubricated and dry fretting of silicon nitride against bearing steel contacts. *Wear*. 1997, vol. 210, 27-38.
5. KALIN, Mitjan, VIŽINTIN, Jože, NOVAK, Saša. Effect of fretting conditions on the wear of silicon nitride against bearing steel. *Materials Science & Engineering. A, Structural materials: Properties, Microstructure and Processing*. 1996, a220, 191-199.
4. NOVAK, Saša, DRAŽIĆ, Goran, SAMARDŽIJA, Zoran, KALIN, Mitjan, VIŽINTIN, Jože. Wear of silicon nitride ceramics under fretting conditions. *Materials Science & Engineering. A, Structural materials: Properties, Microstructure and Processing*. 1996, a215, 125-133.
3. KALIN, Mitjan, VIŽINTIN, Jože, NOVAK, Saša. Fretting wear of silicon nitride against bearing steel contacts in lubricated and dry conditions. *Tribologia : Finnish journal of tribology*. 1996, vol. 15, nro. 4, 42-60.
2. VIŽINTIN, Jože, KALIN, Mitjan, PODGORNIK, Bojan, VODOPIVEC, Franc. The effect of slip amplitude and test time on fretting wear in metal-metal contact. *Tribotest*. 1996, vol. 3, no. 2, 149-165.
1. VIŽINTIN, Jože, KALIN, Mitjan, NOVAK, Saša, DRAŽIĆ, Goran, IVES, L.K., PETERSON, M.B. Effect of slip amplitude on the fretting wear of silicon nitride against silicon nitride. *Wear*. 1996, 192, 11-20.