

Abrasive wear and erosion of titanium carbide based cermets

Pirso, Jüri; Kübarsepp, Jakob EURO PM'99 : European Conference on Advances in Hard Materials Production : Turin, Italy, November 8-10, 1999 : proceedings 1999 / p. 423-428: ill

An XPS and SIMS study of adhesive polypyrrole film on chemically oxidized titanium

Idla, Katrin; Johansson, L.-S.; Campbell, J.M.; Inganäs, Olle 8th European Conference on Applications of Surface and Interface Analysis : 4th-8th October 1999, Sevilla, Spain : abstracts 1999 / p. 334

https://www.researchgate.net/publication/260133505_An_XPS_and_SIMS_study_of_adhesive_polypyrrole_film_on_chemically_oxidized_titanium

Asymmetric Kulinkovich hydroxycyclopropanation of alkenes mediated by titanium(IV) TADDOLate complexes

Iskryk, Marharyta; Barysevich, Maryia; Ošeka, Maksim; Adamson, Jasper; Kananovich, Dzmitry Synthesis 2019 / p. 1935-1948 : ill <https://doi.org/10.1055/s-0037-1611709> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Asymmetric synthesis with titanacyclopropane reagents : From early results to the recent achievements

Konik, Yulia A.; Kananovich, Dzmitry Tetrahedron letters 2020 / art. 152036, 12 p. : ill <https://doi.org/10.1016/j.tetlet.2020.152036> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Characterization and comparison of as received and clinically retrieved Bio-active™ orthodontic archwires

Georgieva, Mirela; Stoyanova-Ivanova, Angelina; Cherneva, Sabina; Petrov, Valeri; Petrova, Violeta; Andreeva, Laura; Mihailov, Valentin; Petkov, Alexander; Mikli, Valdek Biotechnology and biotechnological equipment 2021 / p. 1301-1311 : ill

<https://doi.org/10.1080/13102818.2021.1964381> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Contact reactions of titanium carbide with iron-base alloys

Panasjuk, A.; Kübarsepp, Jakob; Dzökovitš, I.; Valdma, Leo Soviet Powder Metallurgy and Metal Ceramics 1981 / p. 291-296 <https://doi.org/10.1007/BF00797271>

Corrosion performance and structure of the titanium-based coatings deposited onto stainless steel substrate with arc plating

Rudenja, Sergei; Kulu, Priit; Talimets, Ellen; Mikli, Valdek; Erikhov, F.; Straede, C.A.; Zwiig, T. Proceedings of the 40th Annual Technical Conference / Society of Vacuum Coaters 1997 / p. 58-63 : ill

Corrosion performance of titanium-based composite coatings deposited by physical vapour deposition

Rudenja, Sergei; Kulu, Priit; Talimets, Ellen; Mikli, Valdek; Forsen, Olof Proceedings of the Estonian Academy of Sciences. Engineering 1996 / p. 14-25 : ill

Deposition of hard titan-based coatings with minimized content of microdroplets phase by arc evaporation

Kulu, Priit; Rudenja, Sergei; Mikli, Valdek Tallinna Tehnikaülikooli Toimetised 1994 / lk. 61-76: ill

Diffusion in the interface region of Ti/TiAl-Nb bonding

Kommel, Lembit Defects and diffusion forum 2006 / p. 193-200

https://www.researchgate.net/publication/240837273_Diffusion_in_the_Interface_Region_of_TiTiAl-Nb_Bonding

The effect of niobium on in situ synthesis of titanium carbide in composite hardfacings

Yöyler, Sibel; Surzhenkov, Andrei; Viljus, Mart; Traskmaa, Rainer; Juhani, Kristjan Materials Engineering and Modern Manufacturing, MeMM 2023 : Selected peer-reviewed extended articles based on abstracts presented at the 30th International Baltic Conference "Materials Engineering and Modern Manufacturing 2023", MeMM 2023 Materials science forum 2023 / p. 55-60 <https://doi.org/10.4028/p-A5WzJl>

Effect of preheating and cooling of the powder bed by laser pulse shaping on the microstructure of the TiC based cermets

Maurya, Himanshu Singh; Kollo, Lauri; Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss Ceramics international 2022 / p. 20612-20618 <https://doi.org/10.1016/j.ceramint.2022.04.029> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of the laser processing parameters on the selective laser melting of TiC–Fe-based cermets

Maurya, Himanshu Singh; Kollo, Lauri; Tarraste, Marek; Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss Journal of manufacturing and materials processing 2022 / art. 35, 11 p. : ill <https://doi.org/10.3390/jmmp6020035> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Extraordinary toughness and adhesion of polypyrrole films on thin oxidized titanium layers

Idla, Katrin; Strandberg, Marek WEEP 97 : 2nd International Workshop on Electrochemistry of Electroactive Polymer Films, Dourdan, 7-10th September 1997 1997 / 1 p

Galvaanikaheitevise puhastamisest magnetiit- ja pliidioksiidkatttega titaananoodiga

Rajalo, Guido; Petrovskaja, T.; Glusko, M. XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 120

Good adhesion between chemically oxidised titanium and electrochemically deposited polypyrrole

Idla, Katrin; Inganäs, Olle; Strandberg, Marek *Electrochimica acta* 2000 / p. 2121-2130 : ill

Insights into TiO₂ thin film photodegradation from Kelvin Probe AFM maps

Olukan, Tuza; **Sydorenko, Jekaterina**; **Katerski, Atanas**; Al Mahri, Mariam; Lai, Chia-Yun; Al-Hagri, Abdulrahman; Santos, Sergio; **Chiesa, Matteo** *Applied physics letters* 2022 / art. 031901 <https://doi.org/10.1063/5.0098788> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Interaction of fungus with titanium oxide surface

Binauskiene, E.; Lugauskas, Albinas; **Krunks, Malle**; **Oja Acik, Ilona**; Jasulaitiene, Vitalija; Šaduikis, G. 9th National Lithuanian Conference : Vilnius, October 16, 2009 2009 / p. 88

3-hüdoksümetüül-1,3,6-heksaantriooli asümmeetriline süntees ja titaanikompleksi valmistamine

Päri, Malle; **Paju, Anne**; **Pehk, Tõnis**; **Lopp, Margus** XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 92-93

Microstructure and high temperature tribological behaviour of self-lubricating Ti-TiB_x composite doped with Ni-Bi

Kumar, Rahul, 1993-; Torres, Hector; **Aydinyan, Sofiya**; **Antonov, Maksim**; Varga, Markus; Rodriguez Ripoll, Manel; **Hussainova, Irina** *Surface and coatings technology* 2022 / art. 128827 <https://doi.org/10.1016/j.surfcoat.2022.128827> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microstructure evolution in Ti-alloys during severe plastic deformation by electric upset forging

Kommel, Lembit; Teterin, G. *Proceedings of NATO Advanced Research Workshop : Investigations and Applications of Severe Plastic Deformation* : August 2-6, 1999, Moscow, Russia 1999 / p. 78

On the purification of electroplating waste water with magnetite and lead dioxide coated titanium anodes

Rajalo, Guido; Petrovskaja, T.; Glusko, M. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 131

Photocatalytic activity of quenched flame-synthesized titania nanoparticles

Klauson, Deniss; Hauser, G. I.; **Kritševskaja, Marina**; Moiseev, Anna; Weber, Alfred; Deubener, Joachim 5th European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP5) : book of abstracts 2017 / p. 199 https://photo-catalysis.org/events/901/photo/book_of_proceedings_eaaop5_prague.pdf

Photocontrolled strain in polycrystalline ferroelectrics via domain engineering strategy

Rubio-Marcos, Fernando; Del Campo, Adolfo; Ordonez-Pimentel, Jonathan; Venet, Michel; **Rojas Hernandez, Rocio Estefania**; Paez-Margarit, David; Ochoa, Diego A.; Fernandez, Jose Francisco; Garcia, Jose E. *ACS applied materials and interfaces* 2021 / p. 20858-20864 <https://doi.org/10.1021/acsami.1c03162> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reactive sintered chromium and titanium carbide-based cermets = Reaktsioonpaagutatud kroom- ja titaankarbiidsed kermised

Juhani, Kristjan 2009 https://www.ester.ee/record=b2498183*est

Slurry erosion-corrosion of TiC-NiMo cermets

Pirso, Jüri; **Kübarsepp, Jakob** *Proceedings of the International Conference on Powder Metallurgy & Particulate Materials PM2TEC'99* : June 20-24, 1999, Vancouver, Canada 1999 / [7] p

Sol-gel deposition of titanium dioxide films = Titaanoksiidi kiled sool-geeli meetodil

Oja Acik, Ilona 2007

Strong and ductile titanium via additive manufacturing under a reactive atmosphere

Dong, Yangping; Wang, Dawei; Li, Qizhen; Luo, Xiaoping; Zhang, Jian; **Prashanth, Konda Gokuldoss**; Wang, Pei; Eckert, Jürgen; Mädler, Lutz; Okulov, Ilya V.; Yan, Ming *Materials today advances* 2023 / art. 100347 <https://doi.org/10.1016/j.mtadv.2023.100347> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Structural and morphological characterization of heat-activated nickel-titanium archwires

Ilievska, Ivana; Petrov, Valery; Andreeva, Laura; **Mikli, Valdek** *Bulgarian chemical communications* 2017 / p. 33-39 : ill <http://www.bcc.bas.bg/>

Structure and corrosion behaviour of hard coatings deposited by arc ion plating

Rudenja, Sergei *Proceedings of the First National DAAAM Conference in Estonia : Science '95* 1996 / p. 88-98: ill

Structure and mechanical properties of Ti-Al

Kommel, Lembit; Ovcharov, V.; Kodess, Boris N.; Teterin, G.; Kisel, N.; Ermolova, M. *Acta Metallurgica : Proceedings of IUCr'99 meeting* : Glasgow, August 7-9, 1999 1999 / [0,2ap]

Studies on corrosion prevention of titanium-based coatings

Talimets, Ellen; Rudenja, Sergei; Kulu, Priit 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 148

Synthesis of 2-(S)-[(4-methylphenyl)sulfinyl]-2-cyclopenten-1-one, a D-ring precursor of 9,11-secoosterols

Kõllo, Marek; Rõuk, Kristi; Lopp, Margus Proceedings of the Estonian Academy of Sciences 2022 / p. 307-313 : ill
<https://doi.org/10.3176/proc.2022.4.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

ZrC-TiC-MoSi₂ ceramic composite by spark plasma sintering

Hussainova, Irina; Minasyan, Tatevik; Liu, Le; Aydinyan, Sofiya Journal of Physics: Conference Series 2020 / art. 012028
<https://doi.org/10.1088/1742-6596/1527/1/012028> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The influence of carbon and molybdenum in reactive sintered (Ti, Mo)C-NiCr cermets [Electronic resource]

Jõeleht, Marek; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart Euro PM2015 Congress & Exhibition : proceedings : 4-7 October 2015, Reims Congress Centre, Reims, France 2015 / [USB]

The influence of sintering temperature of reactive sintered (Ti, Mo)C-Ni cermets

Jõeleht, Marek; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart Medžiagotyra = Materials science 2015 / p. 435-438 : ill
<https://doi.org/10.5755/j01.ms.21.3.7179> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The investigation of structure and properties of TiAl-Nb alloy

Kommel, Lembit Proceedings of the International Symposium-Exhibition on Advanced Materials, Technologies, Equipment and Tools in Mechanical Engineering : April 20-23, 1999, Kiev, Ukraine 1999 / p. 67

The synthesis of sulphur and boron-containing titania photocatalysts and the evaluation of their photocatalytic activity

Klauson, Deniss; Portjanskaja, Elina; Budarnaja, Olga; Kritševskaja, Marina; Preis, Sergei Catalysis communications 2010 / 8, p. 715-720 <https://www.sciencedirect.com/science/article/pii/S156673671000035X>

Thermoanalytical studies of titanium(IV) acetyl-acetonate xerogels with emphasis on evolved gas analysis

Oja Acik, Ilona; Madarasz, Janos; Krunks, Malle; Tõnsuaadu, Kaia; Janke, D.; Pokol, György; Niinistö, L. Journal of thermal analysis and calorimetry 2007 / p. 557-563 : ill <https://link.springer.com/content/pdf/10.1007/s10973-006-8064-6.pdf>

Thermoanalytical study of acetylacetone modified titanium(IV)isopropoxide as a precursor for TiO₂ films

Krunks, Malle; Oja, Ilona; Tõnsuaadu, Kaia; Es-Souni, M.; Gruselle, M.; Niinistö, L. ICTAC 13 : 13th International Congress on Thermal Analysis and Calorimetry : XXVI Conference AICAT-GICAT : Chia Laguna, September 12-19, 2004 : book of abstracts 2004 / p. 276 <https://link.springer.com/article/10.1007/s10973-005-0681-y>

Ti-B based composites by spark plasma sintering and selective laser melting = Sädepaagutus- ja selektiivse lasersulatus-tehnoloogia abil valmistatud Ti-B baasil komposiitmaterjalid

Liu, Le 2021 https://www.ester.ee/record=b5460101*est <https://digikogu.taltech.ee/et/Item/2a4de866-52a3-4bef-8c4e-e136c89285a3>
<https://doi.org/10.23658/taltech.47/2021>

Titaani akvakomplekside kvantkeemilised arvutused

Uudsemaa, Merle; Tamm, Toomas XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 150

Titaanibaasil pinnete korrosioonitõrje omaduste uurimine

Talimets, Ellen; Rudenja, Sergei; Kulu, Priit XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 136

Titanacyclopropane reagents for stereoselective organic synthesis

Kulinkovich, Oleg BOS 2012 : International Conference on Organic Synthesis : July 1-4, 2012, Tallinn, Estonia : program and abstracts 2012 / p. 22

Titan-based arc evaporated coatings with minimized content of microdroplets phase

Rudenja, Sergei; Kulu, Priit Surface 95 : 1st Central, Eastern and Northern Europe Regional Conference on Surface Treatment : Technologies, Environmental and Standardization, September 4-8, 1995, Palanga, Lithuania 1995 / p. 36

Titanium and chromium carbide based cermets

Pirso, Jüri 1996 http://www.ester.ee/record=b1070455*est

Titanium(IV) acetylacetonate xerogels for processing titania films : a thermoanalytical study

Oja Acik, Ilona; Madarasz, Janos; Krunks, Malle; Tõnsuaadu, Kaia; Pokol, György; Niinistö, L. Journal of thermal analysis and calorimetry 2009 / 1, p. 39-45 : ill
https://www.researchgate.net/publication/243958213_TitaniumIV_acetylacetonate_xerogels_for_processing_titania_films_AAA_thermoanalytical_study

Titanium(IV) acetylacetonate xerogels for processing titania films : structure and thermal analysis [Electronic resource]

Oja Acik, Ilona; Madarasz, Janos; Heinamaa, Ivo; **Pehk, Tõnis**; **Tõnsuaadu, Kaia**; **Krunks, Malle**; Pokol, György; Niinistö, Lauri
14th International Congress on Thermal Analysis and Calorimetry . VI Brazilian Congress on Thermal Analysis and Calorimetry :
September 14-18, 2008, Sao Pedro, Brazil 2008 / p. OP-C06 [CD-ROM] <https://link.springer.com/article/10.1007/s10973-008-9647-1>

Two body dry abrasive wear of TiC-NiMo cermets

Pirso, Jüri; **Viljus, Mart**; **Juhani, Kristjan** Tribology - materials, surfaces & interfaces 2007 / 2, p. 68-72

Using a titanium-in-quartz geothermometer for crystallization temperature estimation of the Palaeoproterozoic Suursaari quartz porphyry

Ehrlich, Kairi; **Verš, Evelin**; Kirs, Juho; **Soesoo, Alvar** Estonian journal of earth sciences 2012 / p. 195-204 : ill
https://artiklid.elnet.ee/record=b2551734*est

Wear behaviour of doped WC–Ni based hardmetals tested by four methods

Yung, Der-Liang; **Antonov, Maksim**; **Veinthal, Renno**; **Hussainova, Irina** Wear 2016 / p. 171-179 : ill

<https://doi.org/10.1016/j.wear.2016.02.015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Wire arc additive manufacturing of NiTi 4D structures : influence of interlayer delay

Singh, Shalini; Palani, Iyemperumal Anand; Paul, Christ Prakash; Funk, Alexander; **Prashanth, Konda Gokuldoss** 3D Printing and Additive Manufacturing 2024 / p. 152 - 162 <https://doi.org/10.1089/3dp.2021.0296> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Вопросы термостойкости карбидо-титановых спеченных твердых сплавов

Valdma, Leo; **Kudrjartsev, Vladimir** Порошковая металлургия : сборник статей. 2 1977 / с. 11-17

https://www.ester.ee/record=b2111366*est <https://digikogu.taltech.ee/et/Item/70a3ad25-126c-4b5f-b887-e5dc1aa558b3>

Гидроабразивное изнашивание спеченных твердых сплавов на основе карбидов титана и хрома : автореферат ... кандидата технических наук (05.02.04)

Kallas, Paul 1978 http://www.ester.ee/record=b1315626*est

Исследование влияния легирования на некоторые свойства керметов карбид титана-сталь

Kübarsepp, Jakob; **Valdma, Leo** Направления развития инструментального производства в X пятилетке : сборник тезисов докладов научно-технического семинара 1978 / с. 160-161 https://www.ester.ee/record=b1308562*est

Контактное взаимодействие карбида титана со сплавами на основе железа

Panasjuk, A.; **Kübarsepp, Jakob**; **Dzõkovitš, I.**; **Valdma, Leo** Порошковая металлургия = Powder metallurgy : ежемесячный научно-технический журнал 1981 / с. 66-72 https://www.ester.ee/record=b1645489*est

Локальная динамика титанатов Sr и Ba с дефектами

Kristoffel, Nikolai; **Klorov, Mihhail** Четырнадцатое Всесоюзное (Пекаровское) совещание по теории полупроводников, Донецк, 3-5 октября 1989 г : тезисы докладов 1989 / с. 141

Материалы на основе высокодисперсных порошков карбонитридов титана и хрома

Залите И.; **Миллер Т.**; **Маслюк В.**; **Иванов И.** Износостойкие порошковые материалы и покрытия : тезисы докладов второй конференции Балтийских республик 1991 / с. 27-29

Рентгенографическое исследование керметов типа TiC-Ni-Mo

Pakkas, Raul; **Kabral, H.** Труды по физике : сборник статей. 5 1970 / с. 29-37 : илл https://www.ester.ee/record=b2189960*est
<https://digikogu.taltech.ee/et/Item/772a4309-c50e-4ac0-a978-642c38d7bfdd>

Свойства спеченных дисперсионно-твердеющих сплавов Cu-Ti-B

Arensburger, Daniil; **Letunovitš, Sergei** Износостойкие спеченные материалы и покрытия 1988 / с. 30-37

Твердые сплавы со стальной связкой

Kübarsepp, Jakob; **Reshetnjak, Heinrich** 1991 http://www.ester.ee/record=b1235762*est

Управление технологическим комплексом для резки титановых заготовок

Roosimaa, Toivo; **Lehtla, Tõnu** Гибкие автоматизированные производственные системы и их элементы для литейного производства 1986 / с. 63-70

Устройство подогрева титанового листа

Edur, J.; **Roosimaa, Toivo** XXV студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 21-23 апреля 1981 года : тезисы докладов. Том 2, Автоматика. Энергетика. Механика. Химия 1981 / с.91 https://www.ester.ee/record=b1322629*est