Atomic layer deposition of titanium oxide films on As-synthesized magnetic Ni particles: magnetic and safety properties
Uudeküll, Peep; Kozlova, Jekaterina; Mändar, Hugo; Link, Joosep; Sihtmäe, Mariliis; **Käosaar, Sandra**; Blinova, Irina; Kasemets, Kaja; Kahru, Anne; Stern, Raivo Journal of magnetism and magnetic materials 2017 / p. 299-304 : ill
https://doi.org/10.1016/j.jmmm.2017.01.045 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

Co, Ni, Cu and Zn concentration in hair of childern of Estonia
Viitak, Anu Extended abstracts of the Symposium "Environmental Analyse" 1995 / p. 185-190: ill

Combustion synthesis and consolidation of Ni-W nanocomposite material
Zakaryan, Marieta; **Aydinyan, Sofiya**; Kharatyan, Suren Ceramics in modern technologies 2019 / p. 67-74
https://doi.org/10.29272/cmt.2018.0007

Comparative study on electroless composite coatings of textured and untextured Al-substrates
Singh, Garima; **Mohanty, Shalini**; Kumar Singh, Rabesh; Rai Dixit, Amit; Kumar Sharma, Anuj Materials today: proceedings 2023 / p. 233-240 : ill https://doi.org/10.1016/j.matpr.2022.12.079 Conference proceedings at Scopus Article at Scopus

Comparison of values of residual stresses determined by various methods in hard nickel coatings prepared by brush-plating in sulfate solution
Lille, Harri; Ryabchikov, Alexander; Kõo, Jakub; Reitsnik, Renno; **Veinthal, Renno**; **Mikli, Valdek**; **Sergejev, Fjodor** Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 680-687 : ill

Deposition of p-type NiO films by chemical spray pyrolysis
Krunks, Malle; **Soon, Jaanika**; **Unt, Tarmo**; **Mere, Arvo**; **Mikli, Valdek** Vacuum 2014 / p. 242-246 : ill
https://doi.org/10.1016/j.vacuum.2014.02.013 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electroless nickel plating model for plated-through-hole board manufacturing
Tenno, Robert; Kantola, K.; **Tenno, Ander** Journal of electronic materials 2006 / 10, p. 1825-1836 : ill
https://link.springer.com/content/pdf/10.1007/s11664-006-0164-3.pdf

Formulation and aerosol jet printing of nickel nanoparticle ink for high-temperature microelectronic applications and patterned graphene growth
McKibben, Nicholas; Curtis, Michael; Maryon, Olivia; Sawyer, Mone't; **Lazouskaya, Maryna**; Eixenberger, Josh; Deng, Zhangxian; Estrada, David ACS Applied Electronic Materials 2024 / p. 748 - 760 https://doi.org/10.1021/acsaelm.3c01175 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Grain boundary phase transformations in superalloys
Kommel, Lembit Book of abstracts of 10th International Symposium on Physics of Materials : ISPMA10 : August 30 - September 2, 2005, Prague, Czech Republic 2005 / p. 30
https://www.researchgate.net/publication/281554675_Grain_boundary_phase_transformation_in_superalloys

High temperature behavior of NiO-based oxygen carriers for chemical looping combustion
Kuusik, Rein, keemik; **Trikkel, Andres**; Lyngfelt, Anders; Mattisson, Tobias Energy procedia 2009 / p. 3885-3892 : ill

Influence of Ni concentration on electrochemical and crystallographic properties of La0.25Sr0.25Ca0.4Ti1−xNixO3−δ solid oxide fuel cell anode
Korjus, Ove; Möller, Priit; Kooser, Kuno; Käämbre,Tanel; **Volobujeva, Olga**; Nerut, Jaak; Kotkas, S.; Lust, Enn; Nurk, Gunnar Journal of Power Sources 2021 / Art. n.r 229739 https://doi.org/10.1016/j.jpowsour.2021.229739 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of nickel and chromium contents on the boiler steels high temperature corrosion resistance
Klevtsov, Ivan; **Tallermo, Harri**; **Bojarinova, Tatjana** Baltica V : Condition and Life Management for Power Plants : Porvoo, Finland, June 6-8, 2001. Vol. 1 2001 / p. 235-246 : ill

Investigation of nickel and copper microfoils defect formation under the stress
Leinberg, Silver; Lõhmus, Rünno; **Hussainova, Irina**; **Nisumaa, Reet** 15th International Baltic Conference "Engineering Materials & Tribology. Baltmattrib - 2006" : October 5-6, 2006, Tallinn, Estonia : abstracts 2006 / p. 42-43 : ill

Joining of CrNi steel and AlMg alloy without interlayers
Dahms, Steffen; **Kulu, Priit**; **Veinthal, Renno**; Basler, Ursula Estonian journal of engineering 2010 / 4, p. 273-284 : ill

Joint reduction of NiO + WO3 oxides by combined Mg/C reducer. Synergetic effect

Zakaryan, Marieta; Nazaretyan, K.; **Aydinyan, Sofiya**; Kharatyan, Suren XV International Symposium on Self-Propagating HighTemperature Synthesis, September 16-20, 2019 2019 / p. 546-548 : ill
http://www.ism.ac.ru/events/SHS2019/doc/abstract_shs2019.pdf

Measurement of residual stresses in brush-plated nickel coating
Lille, Harri; Kõo, Jakub; **Pihl, Toomas** Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 185-188 : ill

Metallide keevitusprotseduuride spetsifitseerimine ja atesteerimine : keevitusprotseduuri katse. Osa 1, Teraste gaas- ja kaarkeevitus ning nikli ja niklisulamite kaarkeevitus = Specification and qualification of welding procedures for metallic materials : welding procedure test. Part 1, Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2004+A1:2008)
2011 https://www.ester.ee/record=b2730238*est

Metallide keevitusprotseduuride spetsifitseerimine ja atesteerimine. Keevitusprotseduuri katse. Osa 1, Teraste gaas- ja kaarkeevitus ning nikli ja niklisulamite kaarkeevitus = Specification and qualification of welding procedures for metallic materials. Welding procedure test. Part 1, Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2004+A1:2008+A2:2012)
2013 https://www.ester.ee/record=b2908512*est

Metallide keevitusprotseduuride spetsifitseerimine ja atesteerimine [Võrguteavik] : keevitusprotseduuri katse. Osa 1, Teraste kaar- ja gaaskeevitus ning nikli ja niklisulamite kaarkeevitus = Specification and qualification of welding procedures for metallic materials : welding procedure test. Part 1, Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2017, Corrected version 2017-10-01)
2018 https://www.ester.ee/record=b5145002*est

Metallide keevitusprotseduuride spetsifitseerimine ja kvalifitseerimine [Võrguteavik] : keevitusprotseduuri katse. Osa 1, Teraste kaar- ja gaaskeevitus ning nikli ja niklisulamite kaarkeevitus = Specification and qualification of welding procedures for metallic materials : welding procedure test. Part 1, Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2017, Corrected version 2017-10-01+ISO 15614-1:2017/Amd 1:2019)
2019 https://www.ester.ee/record=b5272359*est

Microstructural and mechanical characteristics of in situ synthesized chromium-nickel-graphite composites
Pirso, Jüri; **Viljus, Mart**; **Letunovitš, Sergei**; Juhani, Kristjan Extended abstracts of 2006 Powder Metallurgy World Congress : Busan, Korea, September 24-28. 1 2006 / p. 631-632

Nickel oxide films by chemical spray : effect of deposition temperature and solvent type on structural, optical, and surface properties
Chen, Zengjun; **Dedova, Tatjana**; **Oja Acik, Ilona**; **Danilson, Mati**; **Krunks, Malle** Applied surface science 2021 / art. 149118
https://doi.org/10.1016/j.apsusc.2021.149118 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

NiO reduction by Mg plus C combined reducer at high heating rates
Zakaryan, Marieta; Nazaretyan, K.T.; **Aydinyan, Sofiya**; Kharatyan, Suren Journal of thermal analysis and calorimetry 2021 / p. 1811-1817 : ill https://doi.org/10.1007/s10973-020-10148-5 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optimization and scale-up of the pre-treatment of nickel mesh for improved electrochemical properties for alkaline water electrolysis
Tammemägi, Mona; Prits, Alise-Valentine; **Niidu, Allan**; Küngas, Rainer BEChem 2024 : 8th Baltic Electrochemistry Conference : Finding New Inspiration 2 (BEChem 2024), Tartu, Estonia, April 14-17, 2024 2024 https://sisu.ut.ee/wp-content/uploads/sites/638/tammemagi_mona.pdf

Reaction pathway in the WO3-NiO-Mg-C system. DTA/TG study
Zakaryan, Marieta; Niazyan, O.; **Aydinyan, Sofiya**; Kharatyan, Suren Chemical Journal of Armenia 2019 / p. 223-232
http://chemistry.asj-oa.am/id/eprint/7944

Reactive carburizing sintering - a novel production method for high quality chromium carbide-nickel cermets
Pirso, Jüri; **Viljus, Mart**; **Letunovitš, Sergei**; Juhani, Kristjan International journal of refractory metals & hard materials 2006 / 3, p. 263-270 : ill https://www.sciencedirect.com/science/article/abs/pii/S0263436805000909

Reduction-based engineering of three-dimensional morphology of Ni-rGO nanocomposite
Alinejadian, Navid; Nasirpouri, Farzad; Yus, Joaquin; Ferrari, Begona Materials Science and Engineering : B 2021 / art. 115259
https://doi.org/10.1016/j.mseb.2021.115259 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Spin state of Co2+, Co3+ and Ni3+ ions on solution
Uudsemaa, Merle; **Tamm, Toomas** 11th International Conference on the Applications of Density Functional Theory in Chemistry and

Spinel to disorder rock-salt structural transition on (111) nickel ferrite thin films tailored by Ni content
Prieto, P.; Serrano, Aida; **Rojas Hernandez, Rocio Estefania**; Gorgojo, S.; Prieto, Jose Emilio; Soriano, L. Journal of alloys and compounds 2022 / art. 164905 https://doi.org/10.1016/j.jallcom.2022.164905 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/

Synthesis of Ni–W nanopowders from oxide and salt precursors in combustion mode by using thermo-kinetic coupling approach [Online resource]
Zakaryan, Marieta; **Aydinyan, Sofiya**; Kharatyan, Suren Explosive Production of New Materials : Science, Technology, Business, and Innovations 2018 / p. 298-300 : ill http://www.ism.ac.ru/events/EPNM2018/EPNM2018_BookofPapers.pdf http://dx.doi.org/10.30826/EPNM18-103

Teadlane: Euroopa hakkab oma maavarade ressurssi üle lugema [Võrguväljaanne]
Peegel, Mari err.ee 2022 "Teadlane: Euroopa hakkab oma maavarade ressurssi üle lugema"

Two body dry abrasive wear of TiC-NiMo cermets
Pirso, Jüri; **Viljus, Mart**; **Juhani, Kristjan** Tribology - materials, surfaces & interfaces 2007 / 2, p. 68-72

Wire arc additive manufacturing of NiTi 4D structures : influence of interlayer delay
Singh, Shalini; Palani, Iyamperumal 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

Влияние режимов размола на дисперсность смеси карбида хрома и никеля и ее активность при спекании
Pirso, Jüri; **Valdma, Leo** Спеченные износостойкие материалы 1977 / с. 8-12 : илл https://www.ester.ee/record=b2692826*est

Влияние состава и технологии изготовления на абразивную эрозию твердых сплавов TiC-WC с никель-молибденовой связкой
Kallas, Paul; **Pirso, Jüri**; **Agošašvili, B.T.**; **Bujanovski, I.N.** Свойства и технология изготовления композиционных материалов 1986 / с. 31-37

Возможности активации никелевых катодов амперометрических датчиков концентрации кислорода
Jäetma, Teet; **Marvet, Rein** Двойной слой и адсорбция на твердых электродах VII : тезисы докладов всесоюзного симпозиума, 21-23 июня 1985 г 1985 / с. 400-404 http://hdl.handle.net/10062/55550

Данные о распространении никеля, кобальта, свинца и марганца в пиритовых кристаллах диктионемовых сланцев и известняках
Palmre, Hendrik; **Hödrejärv, Helvi** Eesti NSV Teaduste Akadeemia toimetised. Keemia = Proceedings of Academy of Sciences of the Estonian SSR. Chemistry = Известия Академии наук Эстонской ССР. Химия 1982 / с. 219-221 https://www.ester.ee/record=b1264984*est

Исследование изменений в субструктуре никеля при деформации в широком диапазоне статических скоростей
Pakkas, Roul Труды по физике : сборник статей. 4 1963 / с. 23-30 : илл https://www.ester.ee/record=b2181835*est https://digikogu.taltech.ee/et/Item/e8338932-2fb7-4e7e-8bb5-e29fc690f490

Исследование механизма пиролиза некоторых индивидуальных углеводородов. Сообщение 2 : О характере разрушения хромоникелевой стали при пиролизе углеводородных смесей
Aarna, Agu; **Masing, Juhan**; **Teder, Jüri** Технология органических веществ. 8 1976 / с. 27-34 : илл https://www.ester.ee/record=b1475761*est https://digikogu.taltech.ee/et/Item/38b2a836-99da-4b82-8058-1c2084a10575

Исследование способов получения спеченных износо- и коррозионностойких материалов и покрытий на основе никеля
Kulu, Priit; **Pastak, Lauri** Свойства и технология изготовления износостойких материалов 1982 / с. 55-61 : илл https://www.ester.ee/record=b1309562*est https://digikogu.taltech.ee/et/Item/da5bb058-212f-443b-9de3-5673fbd01534

Кинетика и механизм измельчения карбидохромоникелевой смеси при размоле
Arensburger, Daniil; **Pirso, Jüri** Свойства и технология изготовления износостойких материалов 1982 / с. 37-46 : илл https://www.ester.ee/record=b1309562*est https://digikogu.taltech.ee/et/Item/da5bb058-212f-443b-9de3-5673fbd01534

Межфазное взаимодействие и ориентационные соотношения в системе никкель - арсенид галлия
Meiler, Boriss Электрофизические свойства полупроводниковых и диэлектрических материалов 1988 / с. 3-12

Межфазное взаимодействие на контакте Ni-Si и Ni-GaAs
Meiler, Boriss Поверхность : физика, химия, механика 1985 / с. 62-67 : илл https://www.ester.ee/record=b2149829*est

Структурные характеристики легированных жаропрочных сплавов на основе Ni3Al
Kommel, Lembit; Kodess, Boris N.; Kommel, Igor Сборник тезисов Первого Российского кристаллографического конгресса : 21-26 ноября 2016, г. Москва 2016 / с. 375 http://www.issp.ac.ru/ebooks/conf/Cryst_Congress_1.pdf