

Application of the conducting polymers polypyrrole and polyaniline as corrosion prevention materials

Idla, Katrin; Talo, A.; Forsen, Olof; **Öpik, Andres**; Yläsaari, Seppo Kemia 95 : Finnish Chemical Congress and Exhibition and Nordic Polymer Meeting 1995, Helsinki, 14-16 Nov., 1995 : abstracts 1995 / p. 46

Biotundlikud süsteemid molekulaarselt jäljendatud elektrit juhtivatest polümeeridest

Öpik, Andres; Reut, Jekaterina; **Sõritski, Vitali**; **Tretjakov, Aleksei** Tallinna Tehnikaülikooli aastaraamat 2012 2013 / lk. 40-44 : ill

Chemical sensors based on conductive polymers

Bereznev, Sergei; **Sõritski, Vitali**; **Öpik, Andres** Kemia 95 : Finnish Chemical Congress and Exhibition and Nordic Polymer Meeting 1995, Helsinki, 14-16 Nov., 1995 : abstracts 1995 / p. 49-50

Conductive polymer back contact in CdTe based solar cell

Bereznev, Sergei; **Kois, Julia**; **Volobujeva, Olga**; **Öpik, Andres** EMRS-2009 Spring Meeting, Strasbourg, France, 8-12 of June 2009, Symposium A 2009 / p. 25

Conductive polymer PEDOT:PSS back contact for CdTe solar cell

Jarkov, Aleksandr; **Bereznev, Sergei**; **Laes, Kristjan**; **Volobujeva, Olga**; **Traksmaa, Rainer**; **Öpik, Andres**; **Mellikov, Enn** Thin solid films 2011 / p. 7449-7452 : ill

Conductive polymers as active materials for environmental sensors

Bereznev, Sergei; **Sõritski, Vitali**; **Öpik, Andres**; **Idla, Katrin** International Society of Electrochemistry, 47th Annual Meeting : abstracts : Veszprém & Balatonfüred, Hungary, September 1-6, 1996 1996 / p. P2c-10

Corrosion behavior of polypyrrole coated mild steel

Reut, Jekaterina; **Idla, Katrin**; **Öpik, Andres** International Conference on Science and Technology of Synthetic Metals : ICSM'98 : July 12-18, 1998, Montpellier, France : book of abstracts 1998 / p. 157
<https://www.sciencedirect.com/science/article/pii/S0379677998010364>

Electrically conductive polymers - from imperfect crystals to functional materials

Öpik, Andres Proceedings of Baltic Polymer Symposium 2002, Nida, September 18-20, 2002 2002 / p. 9-14 : ill

Electrically conductive polymers - new challenge for functional materials?

Öpik, Andres Conference on Knowledge-based Materials and Technologies for Sustainable Chemistry : 1-5 June 2005, Tallinn, Estonia : abstract book 2005 / p. 61

Elektrit juhtivate polümeeride rakendusi taktililsetes liidetes

Kruusing, Airi; **Idla, Katrin**; **Kruusing, Arvi** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 67-68

Elektrit juhtivatel polümeeridel põhineva erineva juhtivusega kiud, lõngad ja tekstiilmaterjalid

Strandberg, Marek; **Idla, Katrin**; **Karelson, Mati** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 132-133

Elektrijuhtiv lahustuv polüpürrool legeeritud dodetsüülbenseensulfonaat- ja beeta-naftaleensulfonaatioonide seguga

Reut, Jekaterina; **Öpik, Andres** XXVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 27th Estonian Chemistry Days : abstracts of scientific conference 2001 / lk. 115-116

Glass/ITO/In(O,S)/CuIn(S,Se)₂ solar cell with conductive polymer window layer

Kois, Julia; **Bereznev, Sergei**; **Raudoja, Jaan**; **Mellikov, Enn**; **Öpik, Andres** Solar energy materials and solar cells 2005 / p. 657-665 : ill <https://www.sciencedirect.com/science/article/abs/pii/S0927024804003836>

Going beyond the borders : pyrrolo[3,2-b]pyrroles with deep red emission

Tasior, Mariusz; Kowalczyk, Pawel; Przybyl, Marta; Czichy, Malgorzata; Janasik, Patryk; Bousquet, Manon H.E.; Łapkowski, Mięczyński; **Rammo, Matt**; Rebane, Aleksander; Jacquemin, Denis; Gryko, Daniel T. Chemical science 2021 / p. 15935-15946 : ill
<https://doi.org/10.1039/D1SC05007A>

Highly conductive PEDOT-PSS back contact layer for CdTe photoabsorber layer in the solar cell

Bereznev, Sergei; **Volobujeva, Olga**; **Laes, Kristjan**; **Kois, Julia**; **Öpik, Andres** ICSM-2008 : International Conference of Science and Technology of Synthetic Metals : Porto de Galinhas, Brazil, July 6-11, 2008 : book of abstracts 2008 / p. 160
<https://www.sciencedirect.com/science/article/pii/S004060901000940>

Influence of conductive polymer deposition on photovoltaic properties of prospective inorganic photoabsorber CuInS₂ in solar cell

Bereznev, Sergei; **Kois, Julia**; **Mellikov, Enn**; **Öpik, Andres**; Verbitsky, Anatoly; Vertsimakha, Yaroslav Proceedings of the Third IASTED Asian Conference Power and Energy Systems : April 2-4, 2007, Phuket, Thailand 2007 / p. 232-235
https://www.researchgate.net/publication/288795301_Influence_of_conductive_polymer_deposition_on_photovoltaic_properties_of_prospective_i

In-situ characterization of anodic oxidation layers and conductive polymers on Pt by contact electric resistance technique

Kukkonen, J.J.V.; Talo, A.; **Idla, Katrin**; Forsen, Olof 3. Elektrochemisches Grundlagensymposium in Verbindung mit dem 2. Kurt-Schwabe-Symposium, Dresden, 17 bis 19 April 1997 1997 / S. 36

Key aspects of industrial fabrication of carbon based ionic capacitive laminates

Kaasik, Friedrich; Jürgens, M.; Lust, Enn; Aabloo, Alvo; Baranova, Inna; Basant, Martin Z.; Hantel, Moritz M.; Johanson, Urmas; Kiefer, Rudolf; **Koel, Mihkel**; Peikolainen, Anna-Liisa Future Frontiers : PhD Conference on Emerging Technologies : Book of Abstracts 2025 / p. 33 ; oral 22 https://tuit.ut.ee/sites/default/files/2025-05/PhD%20Conference%202025%20Book%20of%20Abstracts_pub3.pdf

Molecularly imprinted conducting polymers for protein assays

Sõritski, Vitali; Reut, Jekaterina; Menaker, Anna; Gyurcsanyi, Robert E.; Toth, K.; **Õpik, Andres** The International Conference on Science and Technology of Synthetic Metals (ICSM'2006) : Dublin, Ireland, July 2-7, 2006 2006 / [poster presentation]

Photo-assisted electrodeposition of polypyrrole back contact to CdS/CdTe solar cell structures

Jarkov, Aleksandr; Bereznev, Sergei; Kois, Julia; Volobujeva, Olga; Õpik, Andres E-MRS Spring Meeting 2012 - Symposium B : Strasbourg, France, May 14-18, 2012 : program and abstract book 2012 / p. 8

Photo-assisted electrodeposition of polypyrrole back contact to CdS/CdTe solar cell structures

Jarkov, Aleksandr; Bereznev, Sergei; Volobujeva, Olga; Traksmas, Rainer; Tverjanovich, Andrey; **Õpik, Andres; Mellikov, Enn** Thin solid films 2013 / p. 198-201 : ill <https://doi.org/10.1016/j.tsf.2013.01.064> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Polüpürool-polüparafenüleen komposiitkilede ja polüpüroolkilede omaduste uurimine

Golovtsov, Igor; Õpik, Andres XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 22-23

Polüpürooliga modifitseeritud elektrit juhtiva mikropoore polüetüleeni elektrokeemilised omadused

Reut, Jekaterina; Rosova, E.Yu.; Elyashevich, Galina K.; **Idla, Katrin; Õpik, Andres** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 114-115

Synthesis and characterization of conducting polymer/magnetite nanorods

Sõritski, Vitali; Menaker, Anna; Gyurcsanyi, Robert E.; Jagerszki, G.; **Reut, Jekaterina; Õpik, Andres** 58th Annual Meeting of the International Society of Electrochemistry (ISE) : Banff (Canada), September 9 to 14, 2007 2007 / ? p

The conductivity mechanism of polyparaphenylene, doped with halogens and alkali metals

Õpik, Andres; Golovtsov, Igor; Lobanov, A.; **Kerm, Karin** Synthetic metals 1993 / 55-57, p. 4924-4939
<https://www.sciencedirect.com/science/article/abs/pii/037967799390840S>

XPS and SIMS study : adhesion of polypyrrole film on titanium

Idla, Katrin; Johansson, L.-S.; Campbell, J.M.; Inganäs, Olle Surface and interface analysis 2000 / p. 557-560 : ill
[https://doi.org/10.1002/1096-9918\(200008\)30:1%3C557::AID-SIA866%3E3.0.CO;2-N](https://doi.org/10.1002/1096-9918(200008)30:1%3C557::AID-SIA866%3E3.0.CO;2-N)