

Capillary electrophoretic analysis of neutral carbohydrates using ionic liquids as background electrolytes

Vaher, Merike; Koel, Mihkel; Kazarjan, Jana; Kaljurand, Mihkel Electrophoresis 2011 / 9, p. 1068-1073 : ill

Electrochemical behaviour of the duplex coatings in acidic electrolyte

Talimets, Ellen; Kulu, Priit; Rudenja, Sergei; Pan, J.; Leygraf, C.; Mikli, Valdek 2nd Baltic Conference on Electrochemistry : Palanga, Lithuania, 10-12 June : extended abstracts 1999 / p. 159

Electrochemical evaluation of directly electrospun carbide-derived carbon-based electrodes in different nonaqueous electrolytes for energy storage applications

Malmberg, Siret; Arulepp, Mati; Tarasova, Elvira; Vassiljeva, Viktoria; Krasnou, Illia; Krumme, Andres C – journal of carbon research 2020 / art. 59, 16 p. : ill <https://doi.org/10.3390/c6040059>

Electrocrystallization of CdSe from aqueous electrolytes : structural arrangement from thin films to self-assembled nanowires

Kois, Julia; Bereznev, Sergei; Volobujeva, Olga; Gurevitš, Jelena; Mellikov, Enn Journal of crystal growth 2011 / p. 9-12 : ill

Electrode reactions in Cu-Pt coated Nafion[r] actuators

Johanson, Urmas; Mäeorg, Uno; Brandell, Daniel; Punning, Andres; Torop, Janno; Kruusmaa, Maarja; Aabloo, Alvo Artificial Muscle Actuators using Electroactive Polymers 2009 / p. 75-80 https://www.researchgate.net/publication/236115789_Electrode_Reactions_in_Cu-Pt_Coated_NafionR_Actuators

Erinevate taustelektrolüütide kasutamine neutraalsete suhkrute analüüsiks kapillaarelektroforeesi meetodil

Kazarjan, Jana; Vaher, Merike XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 40

Geelektrolüüdiga pliikumulaatorid

Dorovatovski, Nikolai; Oorn, Arvo Elektriala 2002 / 1, lk. 7-9

Humic substances as a background electrolyte in capillary electrophoresis

Übner, Monika; Kaljurand, Mihkel; Lopp, Margus Chemistry and ecology 2010 / Suppl., p. 157-165 : ill

Influence of electrolyte scaffold microstructure and loading of MIEC material on the electrochemical performance of RSOC fuel electrode

Maide, Martin; Lillmaa, Kadi; Salvan, Laur Kristjan; Möller, Priit; Uibu, Mai; Lust, Enn; Nurk, Gunnar Fuel Cells 2018 / p. 789-799 <https://doi.org/10.1002/fuce.201800087> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of selenous acid microadditive on electrochemical formation of CdS thin films

Maricheva, Jelena; Bereznev, Sergei; Maticiu, Natalia; Volobujeva, Olga; Kois, Julia Electrochimica acta 2017 / p. 280-286 : ill <https://doi.org/10.1016/j.electacta.2017.05.035> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of various factors of a dispersed medium on stability of the hydrosol YOOH

Belova, I.; Kienskaya, K.; Yanchilin, Alexey Inorganic materials 2009 / 3, p. 250-253 <https://link.springer.com/article/10.1134/S0020168509030054>

Introducing interlayer electrolytes : toward room-temperature high-potential solid-state rechargeable fluoride ion batteries

Mohammad, Irshad; Witter, Raiker; Fichtner, Maximilian; Reddy, M. Anji ACS Applied Energy Materials 2019 / p. 1553-1562 : ill <https://doi.org/10.1021/acsam.8b02166> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ionic liquids as background electrolyte additives and coating materials in capillary electrophoresis

Vaher, Merike; Borissova, Maria; Koel, Mihkel; Kaljurand, Mihkel Proceedings of the Estonian Academy of Sciences. Chemistry 2007 / 4, p. 187-198 : ill

Ionic liquids as background electrolyte additives in capillary electrophoresis

Vaher, Merike; Kaljurand, Mihkel Ionic liquids in chemical analysis 2008 / p. 185-210 : ill

Ionic liquids as electrolytes for nonaqueous capillary electrophoresis

Vaher, Merike; Koel, Mihkel; Kaljurand, Mihkel Electrophoresis 2002 / p. 426-430 : ill

Ioosete vedelike kasutamine mitte-vesikeskkonnalisel kapillaarelektroforeesil fenoolsete ühendite ja karboksüülhapete analüüsil

Vaher, Merike; Koel, Mihkel; Kaljurand, Mihkel XXVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 27th Estonian Chemistry Days : abstracts of scientific conference 2001 / lk. 152-153

Nanostructured fluorite-type fluorides as electrolytes for fluoride ion batteries

Rongeat, Carine; Reddy, M. Anji; **Witter, Raiker**; Fichtner, Maximilian Journal of Physical Chemistry C 2013 / p. 4943 - 4950
<https://doi.org/10.1021/jp3117825> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nonaqueous CE using contactless conductivity detection and ionic liquids as BGEs in ACN

Borissova, Maria; Gorbatšova, Jelena; Ebber, Arkadi; Kaljurand, Mihkel; Koel, Mihkel; Vaher, Merike Electrophoresis 2007 / p. 3600-3605 : ill <https://pubmed.ncbi.nlm.nih.gov/17893951/>

Oxygen electroreduction on Fe-containing nitrogen-doped carbon nanotubes

Ratso, Sander; Kruusenberg, Ivar; Sarapuu, Ave; **Rauwel, Protima** BEC 16 : the 6th Baltic Electrochemistry Conference : Electrochemistry of Functional Interfaces and Materials : 15th-17th June 2016, Helsinki, Finland 2016 / p. 18

¹⁷O and ¹H NMR study of H₂O in individual solvents and aqueous solutions of electrolytes

Mäemets, V.; Koppel, I. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 96

Parameter estimation of PEM fuel cells employing the hybrid grey wolf optimization method

Miao, Di; Chen, Wei; Zhao, Wei; **Demsas, Tekle** Energy 2020 / Art. 116616 <https://doi.org/10.1016/j.energy.2019.116616> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The performance of fibrous CDC electrodes in aqueous and non-aqueous electrolytes

Malmberg, Siret; Arulepp, Mati; Laanemets, Krista; Käärik, Maike; Laheäär, Ann; Tarasova, Elvira; Vassiljeva, Viktoria; Krasnou, Illia; Krumme, Andres C : Journal of Carbon Research 2021 / art. 46 <https://doi.org/10.3390/c7020046>

Polypyrrole coatings on conducting and insulating substrates

Reut, Jekaterina 2004 https://www.ester.ee/record=b1884787*est

Residual stresses analysis in brush-plated galvanic coatings deposited from nickel sulfate electrolyte

Lille, Harri; Kõo, Jakob; Rjabtšikov, Aleksander Proceedings of the 57th Annual Conference on Applications of X-ray Analysis [Denver X-ray Conference] and the 8th International Conference on Residual Stresses : 4-8 August 2008, Denver, Colorado, USA 2009 / p. 706-713 : ill

Room temperature ionic liquids as background electrolyte additives in capillary electrophoretic separations

Vaher, Merike 2002 https://www.ester.ee/record=b1715414*est

Sekundaarelemendid ja -patareid, mis sisaldavad leeliseli või teisi mittehappelisi elektrolüüte. Liitiumpatareid ja sekundaarelemendid kaasaskantavatele rakendustele = Secondary cells and batteries containing alkaline or other non-acid electrolytes. Secondary lithium cells and batteries for portable applications (IEC 61960:2011)

2012 https://www.ester.ee/record=b2746738*est

Specific background electrolytes for nonaqueous capillary electrophoresis

Vaher, Merike; Koel, Mihkel Journal of chromatography A 2005 / p. 83-88 : ill

A structurally flexible halide solid electrolyte with high ionic conductivity and air processability

Karkera, Guruprakash; Soans, Mervyn; Akbaş, Ayça; **Witter, Raiker**; Euchner, Holger; Diemant, Thomas; Cambaz, Musa Ali; Meng, Zhen; Dasari, Bosubabu; Chandrappa, Shivaraju Guddehalli; Menezes, Prashanth W.; Fichtner, Maximilian Advanced energy materials 2023 / art. 2300982 <https://doi.org/10.1002/aenm.202300982> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Structure of cobalt hexacyanoferrate films synthesized from a complex electrolyte

Kaplun, M.M.; Smirnov, Yu.E.; **Mikli, Valdek**; Malev, V.V. Russ. J. of Electrochemistry 2001 / 9, p. 914-923

Suppression of solute-wall interactions in humic acid capillary electrophoretic analysis by its diluted solution as background electrolyte

Übner, Monika; Kaljurand, Mihkel; Lopp, Margus Colloids and surfaces A : physicochemical and engineering aspects 2007 / p. 634-637 : ill <https://www.sciencedirect.com/science/article/pii/S0927775707001744#!>

Synthesis and characterization of Ca(1-x)SmxF(2+x) (0 ≤ x ≤ 0.15) solid electrolytes for fluoride-ion batteries

Molaiyan, Palanivel; Witter, Raiker Material design and processing communications 2021 / art. e226, 6 p. : ill
<https://doi.org/10.1002/mdp2.226> [Journal metrics at Scopus](#) [Article at Scopus](#)

The utilization of platinum catalysts deposited on carbon support synthesized from coffee grounds in a polymer electrolyte membrane fuel cell

Simson, Sander; Nerut, Jaak; Härmas, Meelis; Valk, Peeter; Teppor, Patrick; Palm, Rasmus; Koppel, Miriam; Aruväli, Jaan; Korjus, Ove; **Volobujeva, Olga**; Mansson, Martin; Lust, Enn ECS Meeting Abstracts 2023 / art. 2295 <https://doi.org/10.1149/MA2023-01382295mtgabs>

Vee struktuuri uurimine elektrolüütide vesilahustes ja solventides 17O ja 1H tuumamagnetresonantsspektroskoopia meetodil

Mäemets, V.; Koppel, I. XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 87

Влияние металлической трубы на характеристики МГД-расходомера для электролитов

Kõiv, Ants-Kaspar; Lillik, P. P.; **Mežburd, Volf**; Soosaar, A. Сборник материалов к VII Таллинскому совещанию по электромагнитным расходомерам и электротехнике жидких проводников. Выпуск 1, Электромагнитные расходомеры 1976 / с. 47-56 : илл https://www.ester.ee/record=b1303353*est

Измерения при статическом двойном электрическом слое

Plakk, Paul Труды по электротехнике и автоматике : сборник статей. 7 1970 / с. 19-31 : илл
https://www.ester.ee/record=b2189958*est <https://digikogu.taltech.ee/et/Item/33610e22-06c3-48a2-83bd-e55be9589930>

Изучение возможности увеличения срока работы растворов электролитов травильных ванн

Kallast, Vambola; **Talimets, Ellen**; **Ladoga, Jaak** Неорганическая химия и технология. 1 1980 / с. 95-99 : илл
https://www.ester.ee/record=b2191026*est <https://digikogu.taltech.ee/et/Item/130509c0-2687-471a-a9f8-1501114a266e>

Использование некоторых макроскопических явлений для исследования физико-химических процессов в ассоциированных растворах неэлектролитов

Mõlder, Leevi; **Arro, Jaak**; **Tamvelius, Hindrek** Тезисы докладов V Всесоюзной Менделеевской дискуссии по проблеме "Специфичность и чувствительность методов исследования растворов и возможности сопоставления их результатов", 10-12 окт. 1978 г. 1978 / с. 16-17

Исследование фазового состава и текстуры электролитических сплавов меди и олова

Rusalep, Ervin Труды по физике : сборник статей. 5 1970 / с. 51-57 : илл https://www.ester.ee/record=b2189960*est
<https://digikogu.taltech.ee/et/Item/772a4309-c50e-4ac0-a978-642c38d7bfdd>

Исследование эффектов, обуславливающих размытие рентгеновских линий неравновесных электролитических сплавов

Rusalep, Ervin Физика, математика и теоретическая механика : сборник статей. 2 1967 / с. 3-7 : илл
https://www.ester.ee/record=b2182156*est <https://digikogu.taltech.ee/et/Item/9629c334-57f5-42a4-b7df-c9616b03b45d>

Модель электрического двойного слоя

Plakk, Paul Труды по электротехнике и автоматике : сборник статей. 7 1970 / с. 33-44 : илл
https://www.ester.ee/record=b2189958*est <https://digikogu.taltech.ee/et/Item/33610e22-06c3-48a2-83bd-e55be9589930>

Об измерении электрических свойств электролитов с большой проводимостью

Plakk, Paul Труды по электротехнике и автоматике : сборник статей. 6 1968 / с. 73-96 : илл
https://www.ester.ee/record=b2182221*est <https://digikogu.taltech.ee/et/Item/28a82977-89e1-4d6c-ae22-51bd6ba069c0>