

AC-voltage performance of field aged glass insulator strings

Hyvönen, Petri; Klüss, Joni; **Taklaja, Paul** ICHVE 2014 : 2014 International Conference on High Voltage Engineering and Application : 8-11 September 2014, Poznan, Poland 2014 / [4] p. : ill

Adhesion of zymomonas mobilis cell to glass surface

Bekers, M.; Upite, D.; Kaminska, E.; Laukevics, J.; Ventina, E. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 18

An experimental study on the effects of matrix cracking to the stiffness of glass/epoxy cross plied laminates

Lasn, Kaspar; Echtermeyer, Andreas T.; **Klauson, Aleksander**; Chati, Farid; Decultot, Dominique Composites. Part B: Engineering 2015 / p. 260-268 : ill <https://doi.org/10.1016/j.compositesb.2015.06.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis and design of multifunctional laminated glass composite structures

Majak, Jüri; Pohlak, Meelis; **Õunapuu, Erko**; Auriemma, Fabio; **Rämmal, Hans**; **Saarts, Samo** 24th International Conference on Composites/Nano-Engineering : ICCE-24 : Haikou, Hainan Island, China, July 17-23, 2016 2016 / [2] p. : ill

Application of the integrated photoelasticity to determination of residual stresses in glass

Aben, Hillar; **Ainola, Leo**; **Anton, Johan** Advances of Methods of Experimental Mechanics 2003 / p. 24-39

Arhitektuuriteadur: ühetaolised klaashooned rikuvad linnaruumi ja keskkonda [Võrguväljaanne]

Oidermaa, Jaan-Juhan novaator.err.ee 2021 ["Arhitektuuriteadur: ühetaolised klaashooned rikuvad linnaruumi ja keskkonda"](#)

Automatic measurement of residual stress in glass articles of complicated shape

Aben, Hillar; **Anton, Johan**; Errapart, Andrei Verre 2003 / p. 44-49 : ill

Complete residual stress measurement in axisymmetric glass articles

Aben, Hillar; **Ainola, Leo**; **Anton, Johan** Experimental mechanics 1998 / p. 1343-1346

Design of glass canopy panel

Velsker, Tarmo; **Lend, Henri**; **Kirs, Maarjus** Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 759-764 : ill

Design of multifunctional laminated glass composite panel

Majak, Jüri; Pohlak, Meelis; Shvartsman, Boris; **Õunapuu, Erko**; **Kirs, Maarjus** ICCS19 : 19th International Conference on Composite Structures : Sheraton Porto Hotel & Spa, 5-8 September 2016 : proceedings 2016 / p. 140 <http://dx.doi.org/10.15651/978-88-748-8977-8>

Design optimization of glass canopy panel subjected to snow load

Õunapuu, Erko; **Velsker, Tarmo**; **Eerme, Martin** Proceedings of the 10th International Conference of DAAAM Baltic Industrial Engineering, 12-13th May 2015, Tallinn, Estonia 2015 / p. 104-108 : ill

Eestlased lahendasid 17. sajandi suure mõistatuse

Postimees 2018 / lk. 24 : foto https://www.ester.ee/record=b1072778*est

Elastic and residual stresses around ball indentations on glasses using a micro-photoelastic technique

Yoshida, Satoshi; **Errapart, Andrei** Journal of non-crystalline solids 2012 / p. 3465-3472 : ill <https://www.sciencedirect.com/science/article/abs/pii/S0022309312001548>

Et klaas ei puruneks : [intervjuu Hillar Abeniga]

Aben, Hillar Teadusmõtte Küberneetika Instituudis 2010 / lk. 91-99 : portr

Fiiberklaasist teiba valmistamine ja tema omaduste kindlaksmääramine

Toomsalu, Ruudi; **Müürisepp, Gunnar** Eesti NSV VII vabariiklik teaduslik-metoodiline konverents kehakultuuri alal : [konverentsi materjalid] 1964 / lk. 26-28 <https://www.digar.ee/arhiiv/nlib-digar:373740>

Glass science and technology = Glastechnische Berichte

1996 https://www.ester.ee/record=b1200430*est

GlasStress : nad tõesti teavad, kuidas klaasi kvaliteeti hinnata

Puusild, Harro Inseneeria 2015 / lk. 7-8 : ill https://artiklid.elnet.ee/record=b2738546*est

Gradient scattered light method for non-destructive stress profile determination in chemically strengthened glass

Hödemann, Siim; Valdmann, Andreas; **Anton, Johan**; Murata, Takashi Journal of materials science 2016 / p. 5962-5978 : ill <https://doi.org/10.1007/s10853-016-9897-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Impact between spherical glass particles and different target surfaces

Kleis, Ilmar; Hussainova, Irina; Štšeglov, Igor Proceedings of the Estonian Academy of Sciences. Engineering 1998 / 1, p. 18-25: ill

Impact damage and impact transitions in glass

Hussainova, Irina; Pappel, Toivo OST-99 Symposium on Machine Design : Stockholm, 30th Sept. - 1st Oct., 1999 : proceedings 1999 / p. 59-64: ill

Integraalne fotoelastsusmeetod klaastoodete kvaliteedi kontrollimiseks

Aben, Hillar; Ainola, Leo; Anton, Johan; Errapart, Andrei Teadusmõtte Eestis : tehnikateadused 2002 / lk. 9-13 : ill

Integrated photoelasticity for nondestructive residual stress measurement in glass

Ainola, Leo; Aben, Hillar; Anton, Johan Optics and lasers in engineering 2000 / 1, p. 49-64

Isolaatorite ja nenede makettide läbilöögi võrdlev uurimine mitmesugustes keskkondades

Svinolupov, G. XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110. sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 100-101 https://www.ester.ee/record=b1322611*est

Ka karastatud klaas on klaas

Kulu, Priit Inseneeria 2014 / lk. 8-9 : ill https://artiklid.elnet.ee/record=b2687412*est

Katusekivi ; Katusepapp ; Kergkruus ; Killustik ; Kips ; Kiudbetoon ; Kivivill ; Klaas ; Klaasvill

Raado, Lembi-Merike TEA entsüklopeedia. 10. köide, Kallas - klarinet 2013 / lk. 182, 249, 306, 330, 354, 364, 365, 368

Keemia tee klaasist ränisse : tänavune Nobeli keemiaauhind seab õigluse jalule keemiateoreetikute ja arvutikeemikute hulgas

Strandberg, Marek Sirp 2013 / lk. 26 <https://www.sirp.ee/s1-artiklid/c21-teadus/2013-10-17-20-15-58-2/>

Klaasi kohalikust toorainest : teooria ja praktika

Mägi, Toomas Insenerikultuur Eestis. 1 1992 / lk. 89-90 https://www.ester.ee/record=b1063622*est

Klaasi läbilöögipingest sõltuvus katsekeskkonnast

Paal, A.; Krutškin, V. XXIX vabariiklik üliõpilaste teaduslik- tehniline konverents 30. märtsist - 1. aprillini 1977 : ettekannete teesid 1977 / lk. 69 https://www.ester.ee/record=b2449987*est

Klaasisolaatorite saastlahenduskarakteristikute võrdlev uurimine

Tsiperovitš, A.; Oidram, Rein XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110. sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 101 https://www.ester.ee/record=b1322611*est

Manufacturing of silicon – Bioactive glass scaffolds by selective laser melting for bone tissue engineering

Rodrigo-Vazquez, C. Sara; **Kamboj, Nikhil Kumar**; Aghayan, Marina; Saez, Ada; De Aza, Antonio de; Rodriguez, Miguel Angel; **Hussainova, Irina** Ceramics international 2020 / p. 26936-26944 : ill <https://doi.org/10.1016/j.ceramint.2020.07.171> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanical properties of two novel non-equiatomc Zr-Hf-Ti-Cu-Ni-Co-Al High Entropy Alloys with high glass forming ability

Gonzalez, Sergio; Wurster, Stefan; Garay-Reyes, Carlos Gamaliel; Hurtado-Macias, Abel; Ramasamy, Parthiban; Oleszak, Dariusz; Gammer, Christoph; **Prashanth, Konda Gokuldoss**; Martinez-Garcia, Alfredo; Eckert, Juergen H.; Martinez-Sanchez, Roberto Journal of alloys and compounds 2025 / art. 180196 <https://doi.org/10.1016/j.jallcom.2025.180196>

Modelling residual stresses in glass structures

Õunapuu, Erko; Anton, Johan; Klauson, Aleksander AIP conference proceedings 2019 / art. 330007 <https://doi.org/10.1063/1.5114345> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Modern photoelasticity for residual stress measurement in glass articles of complicated shape

Aben, Hillar; Anton, Johan; Puro, A. Fundamentals of glass science and technology 1997

Monoterakiht klaas-metallkeraamilisel alusel

Nigul, I.; Iljina, Natalja XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110. sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 124 https://www.ester.ee/record=b1322611*est

Mõistatus lahendati Tallinnas

Tehnikamaailm : TM : sõidukid, elektroonika, teadus, tehnoloogia 2020 / lk. 106 : fot https://www.ester.ee/record=b1073050*est

A new approach to edge stress measurement in tempered glass panels

Aben, Hillar; Lochegnies, Dominique; Chen, Y.; **Anton, Johan**; Paemurru, Mart; **Õis, Marella** Experimental mechanics 2015 / p. 483-486 : ill <https://doi.org/10.1007/s11340-014-9950-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A new method for tempering stress measurement in glass panels

Aben, Hillar; Anton, Johan; Paemurru, Mart; **Õis, Marella** Estonian journal of engineering 2013 / p. 292-297 : ill <https://doi.org/10.3176/eng.2013.4.04> [Article at Scopus](#)

Nonaxisymmetric residual stress distribution in axisymmetric glass articles

Aben, Hillar; Anton, Johan; Josepson, Jüri Glass science and technology = Glastechnische Berichte 1996 / p. 75-81 : ill

On non-destructive residual stress measurement in glass panels

Aben, Hillar; Anton, Johan; Errapart, Andrei; Hödemann, Siim; Kikas, Jaak; Klaassen, Helina; Lamp, Marko Estonian journal of engineering 2010 / 2, p. 150-156 : ill

On the fracture mechanics of prince Rupert's Drops

Aben, Hillar; Anton, Johan; Peterson, Pearu; **Õis, Marella** Proceedings of the First International Conference on Theoretical, Applied and Experimental Mechanics : ICTAEM 2018 : conference proceedings 2019 / p. 158-160 https://doi.org/10.1007/978-3-319-91989-8_36

On the inhomogeneity of residual stresses in tempered glass panels

Anton, Johan; **Errapart, Andrei**; Paemurru, Mart; Lochegnies, Dominique; Hödemann, Siim; **Aben, Hillar** Estonian journal of engineering 2012 / p. 3-11 : ill

On the role of T.J.Seebeck in the discovery of the photoelastic effect in glass

Aben, Hillar Proceedings of the Estonian Academy of Sciences. Engineering 2007 / 4, p. 283-294 : ill

Optimal holder configurations for suspended glass panels

Auriemma, Fabio; Aiello, Robert 25th International Congress on Sound and Vibration 2018 (ICSV 25) : Hiroshima Calling, Hiroshima, Japan, 8-12 July, 2018 : proceedings. Vol. 1 2018 / p. 4331-4338 <http://toc.proceedings.com/40638webtoc.pdf>

Optimized vibro-acoustic design of suspended glass panels

Aiello, Robert; **Auriemma, Fabio** Structural and multidisciplinary optimization 2018 / p. 2253-2268 : ill <https://doi.org/10.1007/s00158-018-2014-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Photoelastic residual stress measurement in glass articles as a problem of hybrid mechanics

Aben, Hillar; **Ainola, Leo**; Puro, A. Proceedings of the 17th Symposium on Experimental Mechanics of Solids, Jachranka, Poland, 1996 1996 / p. 1-10

Plate model for multifunctional laminated glass composite panel

Majak, Jüri; Pohlak, Meelis; Shvartsman, Boris; **Õunapuu, Erko; Kirs, Maarjus** ICCS19 : 19th International Conference on Composite Structures : Sheraton Porto Hotel & Spa, 5-8 September 2016 : proceedings 2016 / p. 140 <http://dx.doi.org/10.15651/978-88-748-8977-8>

Prints Ruperti pisarad ehk sajanditevanune pätkel, mis suudeti murda Tallinna Tehnikaülikoolis

Suurkask, Heiki forte.delfi.ee 2017 <https://forte.delfi.ee/news/teadus/prints-ruperti-pisarad-ehk-sajanditevanune-pahkel-mis-suudeti-murda-tallinna-tehnikaulikoolis?id=78216372>

Prints Ruperti pisarate müsteerium

Saari, Peeter Arvamus, kultuur : [ajalehe Postimees lisa] 2023 / Lk. 10 [Prints Ruperti pisarate äärmiselt plahvatusohtlik müsteerium](https://dea.digar.ee/article/ak/2023/10/21/8.1) <https://dea.digar.ee/article/ak/2023/10/21/8.1>

Prints Ruperti pisarate müsteeriumi lahendamise : ühe teadusprojekti lugu

Õis, Marella; Anton, Johan; Aben, Hillar Horisont 2017 / lk. 32-35 : fot http://www.ester.ee/record=b1072243*est https://artiklid.elnet.ee/record=b2819551*est

Properties of glass filled polypropylene for fused filament fabrication

Spörk, Martin; **Savandaiah, Chethan**; Arbeiter, Florian; Schuschnigg, Stephan; Holzer, Clemens SPE ANTEC 2017, Anaheim, California, USA, 8-10 May 2017 2017 / p. 105-111 : ill <https://www.proceedings.com/content/052/052413webtoc.pdf> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Residual stress measurement in glass articles of complicated shape using integrated photoelasticity

Aben, Hillar; **Ainola, Leo; Anton, Johan** Proceedings of the International Conference on Material Engineering, Gallipoli-Lecce, 1996. 1 1996 / p. 291-299

Residual stress measurement in glass articles of complicated shape using integrated photoelasticity

Aben, Hillar; **Anton, Johan**; Puro, A. Fifth International Conference on Residual Stress : ICRS-5 : proceedings : Linköping, Sweden,

Study of activating treatment for glass/ITO/CdS/CdTe structures prepared by high vacuum evaporation

Jarkov, Aleksandr; Bereznev, Sergei; Laes, Kristjan; Volobujeva, Olga; Öpik, Andres EMRS-2010 Spring Meeting : Strasbourg, France, June 7-11 : program and book of abstracts. Symposium M 2010 / p. 8-9

A study of the impact behaviour of spherical and irregular-shape particles

Järvpõld, Neeme; Pappel, Toivo; Štšeglov, Igor OST-96 Symposium on Machine Design, [Stockholm], May 13-14, 1996 : proceedings 1996 / p. 23-27: ill https://www.ester.ee/record=b1033950*est

Substance-to-substance joining to quartz glass

Dahms, Steffen; Kulu, Priit; Veinthal, Renno; Basler, Ursula; Sändig, Sabine Estonian journal of engineering 2009 / 2, p. 131-142 : ill

Sum rules for photoelastic residual stress measurement in axisymmetric glass articles

Aben, Hillar; Ainola, Leo; Anton, Johan Proceedings of the International Conference an Advanced Technology in Experimental Mechanics'99 : July 21 through 24, 1999, Japan. Vol. 2 1999 / p. 629-634

ZnO grown by chemical solution deposition

Kauk, Marit; Muska, Katri; Altosaar, Mare; Danilson, Mati; Õunpuu, K.; Varema, Tiit; Volobujeva, Olga 35th IEEE Photovoltaic Specialists Conference : Honolulu, HI, June 20-25, 2010 : conference proceedings 2010 / p. 002452-002456 : ill <https://ieeexplore.ieee.org/document/5614047>

Technology of integrated photoelasticity for residual stress measurement in glass articles of axisymmetric shape = Integraalse fotoelastsuse tehnoloogia jääkpingete määramiseks telgsümmeetrilistes klaasobjektides

Anton, Johan 2008 http://www.ester.ee/record=b2394498*est

Tee teoreetilisest polarisatsioonoptikast klaasitööstuseni. Fotoelastsus. Pinged läbipaistvates materjalides. Polariskoobid

Aben, Hillar; Anton, Johan Keeruka maailma võlu 2015 / lk. 83-87 : ill https://www.ester.ee/record=b4488344*est

Verre : science, technologie, industrie, produits, art , histoire

2003 https://www.ester.ee/record=b5204338*est

Vibration analysis of multifunctional laminated glass panel [Online resource]

Väer, Kaur; Õunpuu, Erko; Eerme, Martin; Auriemma, Fabio; Rämmal, Hans International Conference "Functional Materials and Nanotechnologies 2017" : Tartu, Estonia in April, 24-27, 2017 : book of abstracts 2017 / p. 145 http://www.ester.ee/record=b4668793*est

Õõsklaasitööstus ja siseturumaht = Hollow glass industry, and capacity of domestic market

Rannes, Arkadi Konjunktuur 1936 / lk. 336-342 https://artiklid.elnet.ee/record=b1036152*est

Изучение коэффициента пропускания набора оптического цветного стекла

Sedaševa, K.; Rozmanas, A.; Ovsjannikova, E.; Trofimova, Taissia; Ruus, Tõnu XX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР : тезисы докладов. Часть 1 1974 / с. 96 https://www.ester.ee/record=b1306141*est

Исследование влагоразрядных характеристик загрязненных стеклянных изоляторов ОШНС 10-Б

Gritsenko, I.; Oidram, Rein Тезисы докладов XXXI студенческой научно-технической конференции 1980 / с. 63-64 https://www.ester.ee/record=b1319482*est

Исследование схемы контроля стеклянных изоляторов в непрерывном потоке ИСКР

Annus, Aleksander; Grossman, Otto; Metusala, Tiit; Oidram, Rein; Tapupere, Olev Энергетические системы : сборник статей. 5 1974 / с. 77-86 : илл https://www.ester.ee/record=b2190662*est <https://digikogu.taltech.ee/et/Item/11c437c8-2c10-4297-aa20-712c96721051>

К определению электрической прочности стеклянных изоляторов в сжатом воздухе

Annus, Aleksander; Metusala, Tiit; Oidram, Rein Тезисы рабочего совещания IV секции Научного Совета по теоретическим и электрофизическим проблемам повышения надежности и долговечности изоляции сетей с изолированной нейтралью 1981 / с. 70-74 https://www.ester.ee/record=b1326763*est

Координация напряжений перекрытия и пробоя стеклянных изоляторов 6-20 кВ при грозовых импульсах

Annus, Aleksander; Grossman, Otto; Metusala, Tiit; Oidram, Rein; Tapupere, Olev Грозозащита в районах с высоким удельным сопротивлением грунта : [материалы заседания "Научные основы электрофизики и электроэнергетики", 8-10 сент. 1980 г.] 1981 / с. 92-97 https://www.ester.ee/record=b4501385*est

Координация характеристик перекрытия и пробоя стеклянных штыревых изоляторов

Annus, Aleksander; Grossman, Otto; Metusala, Tiit; Oidram, Rein; Tapupere, Olev Труды Томского политехнического института 1981 / с. [?]

О возможности пробоя стеклянных штыревых изоляторов при внутренних перенапряжениях

Annus, Aleksander Тезисы рабочего совещания IV секции Научного Совета по теоретическим и электрофизическим проблемам повышения надежности и долговечности изоляции сетей с изолированной нейтралью 1981 / с. 83-86
https://www.ester.ee/record=b1326763*est

Об определении пробивного напряжения стеклянных линейных штыревых изоляторов

Metusala, Tiit; Tapupere, Olev; Oidram, Rein; Annus, Aleksander; Grossman, Otto Известия высших учебных заведений. Энергетика : ежемесячный научно-технический журнал 1977 / с. 21-25 https://www.ester.ee/record=b2715666*est

Определение вольтсекундных характеристик перекрытия и пробоя штыревых стеклянных изоляторов 6 и 10 кВ

Annus, Aleksander Энергетические системы. 6 1976 / с. 97-109 : илл https://www.ester.ee/record=b2190764*est
<https://digikogu.taltech.ee/et/Item/29c0dace-ec62-42eb-bb12-1eff5fe77294>

Определение свойств шеста из фибергласса, его изготовление и экспериментирование

Toomsalu, Ruudi; Müürisepp, Gunnar Eesti NSV VII vabariiklik teaduslik-metoodiline konverentsi kehtakultuuri alal : [konverentsi materjalid] 1964 / с. 156-157 <https://www.digar.ee/arhiiv/nlib-digar:373740>

Применение интегральной фотоупругости для определения остаточных напряжений в стекле

Aben, Hillar; Ainola, Leo; Anton, Johan Проблемы машиностроения и надежности машин 2003 / с. 37-44

Прочность армированных стеклянных изоляторов

Moori, L.; Roots, Otto X студенческая научно-техническая конференция высших учебных заведений Прибалтики, Белорусской ССР и Калининградской области : аннотации научных работ 1964 / с. 129 https://www.ester.ee/record=b1749611*est
<http://www.digar.ee/id/nlib-digar:376945>

Разрядные характеристики стеклянных изоляторов комбината "Ярваканди Техазед"

Annus, Aleksander; Grossman, Otto; Tapupere, Olev Электрические машины 1971 / с. 285-291 : илл., таб
https://www.ester.ee/record=b1426082*est

Электрическая прочность стекла в воздухе

Metusala, Tiit; Oidram, Rein; Tapupere, Olev; Annus, Aleksander Сборник докладов V-ой национальной научно-технической конференций с международным участием "Элизоткабель 82" 1982 / [?]