

Prof. Dr.-Ing. Christos Argirusis

List of Publications

Buchkapitel

1. «DOPED LANTHANUM SILICATES WITH THE APATITE STRUCTURE AS OXIDE-ION CONDUCTING ELECTROLYTES: SYNTHESIS, CHARACTERIZATION AND APPLICATION FOR DESIGN OF INTERMEDIATE TEMPERATURE SOLID OXIDE FUEL CELL» V. Sadykov, T. Kharlamova, S. Pavlova, V. Muzykantov, A. Ishchenko, T. Krieger, O. Lapina, N. Uvarov, M. Chaikina, Ch. Argirusis, S. Bebelis, H. Gasparyan, V. Stathopoulos, E. Jothinathan, O. Van der Biest. Book Title: "Perovskites: Structure, Properties and Uses" Maxim Borowski (Editor) *Series: Chemical Engineering Methods and Technology* ISBN: 978-1-61668-870-7 *Nova Science Publishers, Inc*, 400 Oser Avenue, Suite 1600, Hauppauge, NY 11788-3619, USA https://www.novapublishers.com/catalog/product_info.php?products_id=14317
2. Vaitsis Chr, Sourkouni G., Argirusis Chr., "Chapter11: Sonochemical Synthesis of MOFs" in „Metal-Organic Frameworks for Biomedical Applications, 1st Edition“, Editor: Masoud Mozafari, Paperback ISBN: 9780128169841, Woodhead Publishing, 14th February 2020
3. Christos Vaitsis, Maria Mechili, Nikolaos Argirusis, Eirini Kanellou, Pavlos K. Pandis, Georgia Sourkouni,, Antonis Zorpas and Christos Argirusis, "Ultrasound-Assisted Preparation Methods of Nanoparticles for Energy-Related Applications", in Nanotechnology and the Environment, InTechOpen, 2020
4. Vaitsis C, Mechili M, Argirusis N, Pandis P.K, Sourkouni G, Argirusis C. "Chapter 10: MOF nanomaterials for battery cathodes" in Metal-organic Framework-based Nanomaterials for Energy Conversion and Storage, edited R.K. Gupta, T.A. Nguyen, G. Yasin, Elsevier, p. 207-221, 2021, ISBN: 978-0-323-91179-5
5. Vaitsis C, Kanellou E, Aggelara C, Argirusis N, Pandis P.K, Sourkouni G, Zorpas A, Argirusis C. "Chapter 18: MOFs-metal oxides/sulphide/phosphide nanocomposites for supercapacitors" in Metal-organic Framework-based Nanomaterials for Energy Conversion and Storage, edited R.K. Gupta, T.A. Nguyen, G. Yasin, Elsevier, p. 393-407, 2021, ISBN: 978-0-323-91179-5
6. Mechili M, Vaitsis C, Argirusis N, Pandis P.K, Sourkouni G, Argirusis C. Chapter 15: "Metal-air batteries based on nanostructured COFs" in Covalent Organic Frameworks: Chemistry, Properties, and Energy Applications for Sustainable Future, CRC Press, 2021, 251-265
7. Vaitsis C, Mechili M, Argirusis N, Pandis P.K, Sourkouni G, Argirusis C., "Recent development in COF based materials for supercapacitors", Chapter 26 in Covalent Organic Frameworks: Chemistry, Properties, and Energy Applications for Sustainable Future, CRC Press, 2021, 449-461

Patents

1. M. Oswald, F. Menzel, T. Damjanovic, G. Borchardt, Chr. Argirusis "Oxidationsbeständiges Verbundmaterial", Deutsche Patentanmeldung Nr. 103 52 165.8
2. K.-H. Spitzer, L. Dörrer, G. Borchardt, Chr. Argirusis, „Photovoltaische Solarzelle (lichtaktivierte Brennstoffzelle)“, Deutsche Patentanmeldung Nr. 10 2006 036 524

Publications in international peer reviewed journals

1. Chr. Argirusis,
"Untersuchungen zur gemeinsamen Hydrierung einer hydrothermal vorbehandelten Braunkohle mit minerallöstämmigen Anmischölen",
Dissertation TU Clausthal, ISBN 3-928815-11-3, Cuviller Verlag, Göttingen 1992
2. Chr. Argirusis and H.H. Oelert,
"Eigenschaften von Kohle und Erdölvakuumrückstand für das Coprocessing I) Überblick und Basisversuche",
Erdöl und Kohle-Erdgas-Petrochemie, 46, Heft 7/8 (1993) 277-280
3. Chr. Argirusis and H.H. Oelert,
"Eigenschaften von Kohle und Erdölvakuumrückstand für das Coprocessing II) Einfluß der Edukteigenschaften",
Erdöl und Kohle-Erdgas-Petrochemie, 46, Heft 9 (1993) 340-344
4. Chr. Argirusis and H.H. Oelert,
"Eigenschaften von Kohle und Erdölvakuumrückstand für das Coprocessing III) Einfluß der Prozessparameter",
Erdöl und Kohle-Erdgas-Petrochemie, 46, Heft 12 (1993) 454-456
5. Chr. Argirusis, M. Kilo, A.C. Müller, A. Weber, G. Borchardt and E. Ivers-Tiffée,
"Interdiffusion between Electrode and Electrolyte Materials for Cathode Supported SOFCs with Thin Film Electrolytes",
Proceedings of the 10th International IUPAC Conference on High Temperature Materials Chemistry,
K. Hilpert, F.W. Froben and L. Singheiser (Eds.), 10-14 April 2000 in Jülich/Germany - Jülich Reports on Energy Technology, 15 (2000) 727-730
6. Chr. Argirusis, M. Kilo, P. Fielitz, G. Borchardt, U. Guntow, A. Weber, A. Müller and E. Ivers-Tiffée,
"Chemical diffusion of cobalt in the system $La_{0.9}Sr_{0.1}Ga_{0.8}Mg_{0.2}O_{3-x}$ ($x=0.3$ to 0.4)",
Solid Oxide Fuel Cells VII (SOFC VII), Tsukuba, Japan 2001,
H. Yokokawa and S.C. Singhal (Eds.), Electrochemical Society Proceedings, 2001-16 (2001) 914-921
7. M. Kilo, C. Fundenberger, Chr. Argirusis, M.A. Taylor, G. Borchardt, M. Weller and R.A. Jackson,
"Experimental and Theoretical Investigation of Oxygen Diffusion in Stabilised Zirconia",
Radiation Effects and Defects in Solids, 157 (2002) 1077-1083
8. M. Kilo, Chr. Argirusis, G. Borchardt and R.A. Jackson,
"Oxygen Diffusion in Ytria Stabilised Zirconia – Experimental Results and Molecular Dynamics Calculation",
Phys. Chem. Chem. Phys., 5 (2003) 2219-2224
9. Olaf Schulz, Manfred Martin, Christos Argirusis and Günter Borchardt,
"Cation tracer diffusion of ^{138}La , ^{84}Sr and ^{25}Mg in polycrystalline $La_{0.9}Sr_{0.1}Ga_{0.9}Mg_{0.1}O_{2.9}$ ",
Phys. Chem. Chem. Phys., 5 (2003) 2308-2313
10. M. Kilo, M.A. Taylor, Ch. Argirusis, G. Borchardt, B. Lesage, S. Weber, S. Scherrer, M. Schroeder and M. Martin,
"Cation self-diffusion of ^{44}Ca , ^{88}Y and ^{96}Zr in single crystalline calcia- and yttria-doped zirconia",
J. Appl. Phys., 94 (2003) 7547-7552
11. M. Kilo, M.A. Taylor, Ch. Argirusis, G. Borchardt, S. Weber and H. Scherrer,
"Lanthanide diffusion in calcia stabilized zirconia: experimental and theoretical study",
Solid Oxide Fuel Cells VIII (SOFC VIII), Paris 2003, Electrochemical Society Proceedings, S.C. Singhal, M. Dokiya (Eds.), 2003-7 (2003) 214-221
12. D. Vlachos, M. Kamaratos, S. Foulías, Chr. Argirusis and G. Borchardt,
"Ni ultrathin film development on $SrTiO_3$ (100) surface",
Surface Science, 550 (2004) 213-222
13. Martin Kilo, Marcela A. Taylor, Christos Argirusis, Günter Borchardt, Odile Kaïtasov and Bernard Lesage,
"Nitrogen Diffusion in Nitrogen-doped Ytria Stabilised Zirconia",
Phys. Chem. Chem. Phys., 6 (2004) 3645-3649

14. Christos Argirusis, Marcela A. Taylor, Martin Kilo, Günter Borchardt, François Jomard, Odile Kaitasov and Bernard Lesage,
"SIMS Study of Transition Metals Transport in Single Crystalline Ytria Stabilised Zirconia",
Phys. Chem. Chem. Phys., 6 (2004) 3650-3653
15. Chr. Argirusis, T. Damjanović and G. Borchardt,
"Electrophoretic deposition of thin SOFC-electrolyte films on porous La_{0.75}Sr_{0.2}MnO_{3-δ} cathodes",
Materials Science Forum, 453-454 (2004) 335-342
16. T. Damjanović, H. Leipner, Chr. Argirusis, R. Herbig, R. Weiß, G. Tomandl and G. Borchardt,
"Sol-gel route for electrophoretic deposition of mullite diffusion barriers on C/C-Si-SiC-composites",
Materials Science Forum, 453-454 (2004) 343-348
17. M. Kamaratos, D. Vlachos, S.D. Foulis and Ch. Argirusis,
"The development of nickel ultra-thin films and the interaction with oxygen on the SrTiO₃ (100) surface studied by soft X-rays photoelectron spectroscopy",
Surface Review and Letters, 11 (2004) 419-425
18. Martin Kilo, Marcela A. Taylor, Christos Argirusis, Günter Borchardt, Sylvain Weber, Hubert Scherrer and Rob A. Jackson,
"Lanthanide transport in stabilized zirconias: interrelation between ionic radius and diffusion coefficient",
J. Chem. Phys., 121 (2004) 5482-5487
19. M.A. Taylor, Chr. Argirusis, M. Kilo, G. Borchardt, K.-D. Luther and W. Assmus,
"Correlation between ionic radius and cation diffusion in stabilised zirconia",
Solid State Ionics, 173 (2004) 51-56
20. M. Kilo, M.A. Taylor, Ch. Argirusis, G. Borchardt, R.A. Jackson and M. Weller,
"Modeling of cation diffusion in oxygen ion conductors using molecular dynamics",
Solid State Ionics, 175 (2004) 823-827
21. M. Weller, F. Khelifaoui, M. Kilo, M.A. Taylor, Chr. Argirusis and G. Borchardt,
"Defects and phase transitions in yttria and scandia doped zirconia",
Solid State Ionics, 175 (2004) 329-333
22. P. Fielitz, Chr. Argirusis and G. Borchardt,
"Oxygen Self-Diffusion Through Fine-Grained Polycrystalline Films Into Single Crystalline Substrates – A Mathematical Description",
Solid State Ionics, 176 (2005) 61-72
23. T. Damjanović, Chr. Argirusis, H. Leipner, R. Herbig, G. Tomandl, G. Borchardt and R. Weiss,
"Oxidation protection of C/C-Si-SiC composites by electrophoretic deposition from a sol-gel mullite precursor system",
J. Europ. Ceram. Soc., 25 (2005) 577-587
24. D. Vlachos, M. Kamaratos, S. Foulis, Ch. Argirusis and G. Borchardt,
"Adsorption of oxygen on a nickel covered SrTiO₃ (100) surface studied by means of Auger electron spectroscopy and work function measurements",
Journal of Physics: Condensed Matter, 17 (2005) 635-642
25. Argirusis C., Wagner S. F., Menesklo W., Warnke C., Damjanović T., Borchardt G. and Ivers-Tiffée E.,
"Enhancement of oxygen surface exchange kinetics of SrTiO₃ by alkaline earth metal oxides",
Physical Chemistry Chemical Physics, 7 (2005) 3523-3525
26. S. Swaroop, M. Kilo, Chr. Argirusis, G. Borchardt and A. Chokshi,
"Lattice and grain boundary diffusion of cations in 3YTZ analyzed using SIMS",
Acta Materialia, 53 (2005) 4975-4985
27. Damjanović T., Argirusis C. and Borchardt G.,
"Modeling and experimental verification of the oxidation protection of C/C-Si-SiC composites with mullite",
Materials Science Forum, 494 (2005) 457-462
28. Argirusis Chr., Damjanović T., Stojanovic M. and Borchardt G.,
"Synthesis and electrophoretic deposition of an yttrium silicate coating system for oxidation protection of C/C-Si-SiC composites",
Materials Science Forum, 494 (2005) 451-456
29. Taylor, M.A., Kilo, M., Argirusis, C., Borchardt, G., Valov, I., Korte, C., Janek, J., Rödel, T.C., and Lerch, M.,

- "Nitrogen Tracer Diffusion in Yttria Doped Zirconium Oxonitride",
Defect and Diffusion Forum, 237-240 (2005) 479-484
30. Damjanović T., Argirusis Chr., Jokanovic B., Borchardt G., Moritz K., Müller E., Herbig R. and Weiss R.,
"Electrophoretic deposition of mullite based oxygen diffusion systems on C/C-Si-SiC composites",
Key Engineering Materials, 314 (2005) 201-206
 31. Argirusis Chr., Damjanović T. and Borchardt G.,
"Preparation of SOFC cells by means of electrophoretic deposition",
Key Engineering Materials, 314 (2005) 101-106
 32. Wagner S.F., Warnke C., Menesklou W., Argirusis Chr., Damjanović T., Borchardt G. and Ivers-Tiffée E.,
"Enhancement of Oxygen Surface Kinetics of SrTiO₃ by Alkaline Earth Metal Oxides",
Solid State Ionics, 177 (2006) 1607-1612
 33. Florian Voigts, Tanja Damjanović, Günter Borchardt, Christos Argirusis and Wolfgang Maus-Friedrichs,
"Synthesis and Characterization of Strontium Titanate Nanoparticles as Potential High Temperature Sensor Material",
Journal of Nanomaterials, Art. ID 63154 (2006) 1-6
 34. V. Menvie Bekale, C. Legros, G. Sattonnay, A.M. Huntz, B. Lesage, Chr. Argirusis and F. Jomard,
"Diffusion Study of Cerium and Gadolinium in Single- and Polycrystalline Yttria-Stabilized Zirconia",
Defect and Diffusion Forum, 258-260 (2006) 47-51
 35. Argirusis Chr., T. Damjanović and O. Schneider,
"An impedance study of the electrophoretic deposition from yttrium silicate suspensions",
J. Mater. Sci., 41 (2006) 8059-8067
 36. Moritz K., R. Herbig, T. Damjanović, Chr. Argirusis and G. Borchardt,
"Synthesis and Electrophoretic Deposition of Mullite Precursor Sols for the Oxidation Protection of Carbon Fibre Reinforced Composites",
Advances in Science and Technology, 45 (2006) 1281-1286
 37. Argirusis C., Damjanović T. and Borchardt G.,
"Yttrium silicate coating system for oxidation protection of C/C-Si-SiC composites: Electrophoretic deposition and oxygen self-diffusion measurements",
Journal of the European Ceramic Society, 27 (2007) 1303-1306
 38. Damjanović T., Argirusis C., Jokanovic B., Borchardt G., Moritz K., Müller E., Herbig R. and Weiss R.,
"Oxidation protection of C/C-SiC composites by an electrophoretically deposited mullite precursor: isothermal and cyclic thermogravimetric analysis",
Journal of the European Ceramic Society, 27 (2007) 1299-1302
 39. Heddrich, M.-P., L. Dörrer, R.-U. Dietrich, G. Borchardt and Chr. Argirusis,
"A simple Model for Prediction of Polarization Loss Phenomena in a SOFC Stack",
SOFC X, ECS Transactions, 7 (2007) 1987-1993
 40. T. Kharlamova, S. Pavlova, V. Sadykov, O. Lapina, J. Khabibulin, T. Krieger, V. Zaikovskii, A. Ishchenko, M. Chaikina and Chr. Argirusis
"Low-Temperature Synthesis Methods of Doped Apatite-Type Lanthanum Silicates",
Journal of Chemical Engineering of Japan (JCEJ), 40 (2007) 1187-1191
 41. T. Kharlamova, S. Pavlova, V. Sadykov, M. Chaikina, T. Krieger, O. Lapina, D. Khabibulin, D. Khabibulin, A. Ishchenko, V. Zaikovskii, Chr. Argirusis and J. Frade,
"Al-doped apatite-type nanocrystalline lanthanum silicates prepared by mechanochemical synthesis: Phase, structural and microstructural study",
European Journal of Inorganic Chemistry, 6 (2008) 939-947
 42. Schneider, O., S. Matic and Chr. Argirusis,
"Applications of the electrochemical quartz crystal microbalance to copper sonoelectrochemistry: Part 1. Sulfate based electrolytes",
Electrochimica Acta, 53 (2008) 5485-5495
 43. T. Kharlamova, S. Pavlova, V. Sadykov, O. Lapina, J. Khabibulin, T. Krieger, V. Zaikovskii, A. Ishchenko, A. Salanov, V. Muzykantov, N. Mezentseva, M. Chaikina, N. Uvarov, J. Frade and Chr. Argirusis

- "Low-Temperature Synthesis and Characterization of Apatite-Type Lanthanum Silicates",
Solid State Ionics, 179 (2008) 1018-1023
44. M. Kilo, Chr. Argirusis, G. Borchardt, S. Gosh and A. H. Chokshi,
"Creep in Scandia stabilized zirconia",
Solid State Ionics, 179 (2008) 804-806
 45. Chr. Argirusis, S. Matić and O. Schneider,
"An EQCM study of ultrasonically assisted electrodeposition of Co/CeO₂ and Ni/CeO₂ composites for fuel cell applications",
Physica Status Solidi (A) Applications and Materials, 205 (2008) 2400-2404
 46. Kharlamova, T., Pavlova, S., Sadykov, V., Krieger, T., Alikina, G., Frade, J. and Argirusis, C.,
"Anode composites based on NiO and apatite-type lanthanum silicate for intermediate temperature solid oxide fuel cells",
Materials Research Society Symposium Proceedings, 1098 (2008) 104-109
 47. Kharlamova, T., Pavlova, S., Sadykov, V., Krieger, T., Mezentseva, N., Muzykantov, V., Alikina, G., Boronin, A., Zaikovskii, V., Ishchenko, A., Rogov, V., Uvarov, N., Frade, J. and Argirusis, C.,
"Perovskite and composite materials for intermediate temperatures solid oxide fuel cells",
Materials Research Society Symposium Proceedings, 1056 (2008) 102-107
 48. Chr. Argirusis, F. Voigts, P. Datta, J. Grosse-Brauckmann and W. Maus-Friedrichs,
"Oxygen Incorporation into Strontium Titanate Single Crystals from CO₂ Dissociation",
Physical Chemistry Chemical Physics, 17 (2009) 3152-3157
 49. T. Kharlamova, S. Pavlova, V. Sadykov, T. Krieger, L. Batuev, V. Muzykantov, N. Uvarov and Chr. Argirusis,
"Fe- and Al-doped Apatite Type Lanthanum Silicates: Structure and Property Characterization",
Solid State Ionics, 180 (2009) 796-799
 50. Nivot, C., Legros, C., Lesage, B., Kilo, M. and Argirusis, C.,
"Oxygen diffusion in SrZrO₃",
Solid State Ionics, 180 (2009) 1040-1044
 51. T. Kharlamova, S. Pavlova, V. Sadykov, T. Krieger, G. Alikina and C. Argirusis,
"Catalytic properties and coking stability of new anode materials for internal methane reforming in the intermediate temperature solid oxide fuel cells",
Catalysis Today, 146 (2009) 141-147
 52. J. Grosse-Brauckmann, G. Borchardt and Chr. Argirusis,
"Preparation and Electrophoretic Deposition of an Yttrium Silicate Precursor Sol",
Key Engineering Materials, 412 (2009) 267-272
 53. Chr. Argirusis, J. Grosse-Brauckmann, G. Sourkouni, G. Taillades and J. Rozière,
"Preparation of Thin Proton Conducting Membranes by means of EPD",
Key Engineering Materials, 412 (2009) 125-130
 54. Jana Große-Brauckmann, Virginie Lair and Christos Argirusis,
"Application of Ionic Liquids in the Electrophoretic Deposition of Oxide Layers",
Key Engineering Materials, 412 (2009) 27-32
 55. Chr. Szepanski, J. Große-Brauckmann and Chr. Argirusis,
"Electrophoretic deposition as preparation method for intermediate temperature SOFC-half cells",
Key Engineering Materials, 412 (2009) 209-214
 56. J. Große-Brauckmann, S. Matic, O. Schneider and Chr. Argirusis,
"Deposition of sonochemically derived nano particles",
Key Engineering Materials, 412 (2009) 65-69
 57. J. Große-Brauckmann, T. Damjanović and Chr. Argirusis,
"Galvanostatic electrophoretic deposition of yttrium silicate on C/C-Si-SiC composites",
Key Engineering Materials, Vol. 412 (2009) pp 243-248
 58. Kharlamova, T., Pavlov, S., Sadykov, V., Krieger, T., Batuev, L., Muzykantov, V., Lapina, O., Khabibulin, D., Chaikina, M., Uvarov, N., Pavlukhin, Y., Petrov, S. and Argirusis, C.,
"Doped apatite type lanthanum silicates: Structure and property characterization",
Materials Research Society Symposium Proceedings, 1126 (2009) 65-70
 59. Moritz, K., Herbig, R., Damjanović, T., Argirusis, C. and Borchardt G.,
"Development of mullite and mullite/Al₂O₃ precursor sols for electrophoretic deposition of oxidation protection coatings",
Colloids and Surfaces A: Physicochemical and Engineering Aspects, 350 (2009) 13-21

60. Schneider, O., Martens, S. and Argiris, Chr.,
"Sonelectrochemical deposition of functional composite layers",
ECS Transactions, 16 (2009) 107-118
61. Gasparyan, H., Argiris, Chr., Szepanski, Ch., Sourkouni, G., Stathopoulos, V., Kharlamova, T., Sadykov, V. and Bebelis, S.,
"Electrochemical characterization of a $La_{0.8}Sr_{0.2}Ni_{0.4}Fe_{0.6}O_{3-\delta}$ electrode interfaced with $La_{9.83}Si_5Al_{0.75}Fe_{0.25}O_{26\pm\delta}$ apatite-type electrolyte",
ECS Transactions, 25 (2009) 2681-2688
62. Kharlamova, T., Pavlova, S., Sadykov, V., Bepalko, Y., Krieger, T., Lapina, O., Khabibulin, D., Muzykantov, V., Chaikina, M., Uvarov, N., Pavlukhin, Y., Kriventsov, V., Petrov, S., Argiris, C. and Kaichev, V.,
"Structure and transport properties of doped apatite-type lanthanum silicates prepared via mechanochemical route",
ECS Transactions, 25 (2009) 1791-1800
63. T. Kharlamova, S. Pavlova, V. Sadykov, M. Chaikina, T. Krieger, A. Ishchenko, Y. Pavlyukhin, S. Petrov and Chr. Argiris,
"Mechanochemical Synthesis of Fe-Doped Apatite-type Lanthanum Silicates",
Eur. J. Inorg. Chem., 4 (2010) 589-601
64. Oliver Schneider, Jana Große-Brauckmann and Christos Argiris,
"Impedance study of the electrophoretic deposition of yttrium silicate from a polymeric precursor sol",
Journal of the European Ceramic Society, 30 (2010) 1089-1096
65. Große-Brauckmann, J., Lezniak, A., Argiris, C. and Borchardt, G.,
"Development of a precursor sol for the electric field assisted sol-gel deposition of yttrium silicate",
Colloids and Surfaces A: Physicochemical and Engineering Aspects, 358 (2010) 28-34
66. Chr. Argiris, S. F. Wagner, W. Menesklou and E. Ivers-Tiffée,
"Study of the oxygen incorporation and diffusion in $Sr(Ti_{0.65}Fe_{0.35})O_3$ ceramics",
Solid State Ionics, (2011), Volume 192, Issue 1, Pages 9-11
67. E. Jothinathan, K. Vanmeensel, J. Vleugels, T. Kharlamova, V. Sadykov, Sv. Pavlova, G. Sourkouni, Chr. Szepanski, Chr. Argiris and O. Van der Biest,
"Apatite type lanthanum silicate and composite anode half cells",
Solid State Ionics, (2011), Volume 192, Issue 1, Pages 419-423
68. Chr. Argiris, J. Grosse-Brauckmann, Pr. Datta, Fr. Jomard, F. Voigts, W. Maus-Friedrichs,
"Water as a source for oxygen incorporation into acceptor doped $SrTiO_3$ single crystals",
Solid State Ionics, (2011), Volume 192, Issue 1, Pages 21-24
69. Schneider, O., Martens, S. and Argiris, Chr.,
"Electrochemical quartz crystal microbalance technique in sonoelectrochemistry",
ECS Transactions, 25 (2010) 69-80
70. Abbas, H.A., Argiris, C., Kilo, M., Wiemhöfer, H.-D., Hammad, F.F. and Hanafi, Z.M.,
"Preparation and conductivity of ternary scandia-stabilised zirconia",
Solid State Ionics, 184 (2011) 6-9
71. F. Voigts, Chr. Argiris and W. Maus-Friedrichs,
"The interaction of H_2O with Fe-doped $SrTiO_3$ (100) surfaces",
Surface and Interface Analysis, 43 (2011) 984-992
72. V.A. Sadykov, T.S. Kharlamova, N.V. Mezentseva, S.N. Pavlova, E.M. Sadovskaya, V.S. Muzykantov, Yu. N. Bepalko, V.V. Usol'tsev, E.G. Zevak, T.A. Kriger, A.V. Ishchenko, N.F. Uvarov, A. S. Ulikhin, M. V. Chaikina and C. Argiris,
"Studies of Oxygen Transport Mechanism in Electrolytes Based on Doped Lanthanum Silicate with Apatite Structure Using Techniques of Oxygen Isotopic Heteroexchange and Impedance Spectroscopy",
Russian Journal of Electrochemistry, 47 (2011) 427-441
73. F. Voigts, Chr. Argiris and W. Maus-Friedrichs,
"The interaction of CO_2 and CO with Fe-doped $SrTiO_3$ (100) surfaces",
Surface and Interface Analysis, 44 (3) (2012) 301-307
74. P. Sakkas, O. Schneider, S. Martens, P. Thanou, G. Sourkouni, Chr. Argiris "Fundamental studies of sonoelectrochemical nanomaterials preparation",
Invited paper - Journal of Applied Electrochemistry (2012) 42:763–777

75. D. Vlachos, M. Kamaratos, Ch. Argirusis, S.D. Foulis
"A study of barium ultra-thin films on the SrTiO₃(100) surface by soft x-ray photoelectron spectroscopy **Review Article**
 Journal of Electron Spectroscopy and Related Phenomena, Vol. 185(12), Dec. 2012, p. 615-620
76. S. Dahle, J. Meuthen, A. Schmidt, W. Maus-Friedrichs, G. Sourkouni, Chr. Argirusis
"The influence of protecting polyelectrolyte layers on the temperature behavior of NaBD₄"
 RSC Advances, 2014, **4**, 2628-2633
77. Chr. Argirusis, E. Jothinathan, G. Sourkouni, O. Van der Biest and F. Jomard
"Oxygen self-diffusion and conductivity measurements in apatite type electrolyte materials for SOFCs",
 Solid State Ionics 257 (2014) 53–59
78. Chr. Argirusis, G. Antonaropoulos G. Sourkouni, and F. Jomard,
"Oxygen tracer diffusion in single crystalline yttrium silicate"
 Solid State Ionics 257 (2014) 558–550
79. P.M. Sakkas, G. Sourkouni, O. Schneider, and Chr. Argirusis
"Sonochemistry In The Service of SOFC Research"
 Invited paper - Ultrasonics-Sonochemistry, 21 (2014) 1939–1947
80. G. Sourkouni, Florian Voigts, Jan C. Namyslo, Sebastian Dahle, Wolfgang Maus-Friedrichs, and Christos Argirusis,
"Interaction mechanism of H₂ storage materials with LbL applied protective PE coatings",
 Int. J. Hydr. Energy (39) 2014, 14834-14842
81. M. Stucchi, C.L. Bianchi, C. Pirola, Chr. Argirusis, G. Sourkouni, P.M. Sakkas, D. Kanellopoulou, G. Cerrato, S. Morandi, V. Capucci, „*Surface Decoration of Commercial Micro-sized TiO₂ by means of High Energy Ultrasound: a Way to Enhance its Photocatalytic Activity Under Visible Light*”,
 Applied Catalysis B: Environmental 178(2015)124–132
82. V. Sadykov, E. Sadovskaya, A. Bobin, T. Kharlamova, N. Uvarov, A. Ulikhin, Chr. Argirusis, G. Sourkouni, V. Stathopoulos
"Temperature-programmed C¹⁸O₂ SSITKA for powders of fast oxide-ion conductors: estimation of oxygen self-diffusion coefficients",
 Solid State Ionics, Volume 271, March 2015, Pages 69–72
83. Ragnar Strandbakke, Vladimir A. Cherepanov, Andrey Yu. Zuev, Dmitry S. Tsvetkov, Christos Argirusis, Georgia Sourkouni, Stephan Prünfte, Truls Norby
"Gd- and Pr-based double perovskite cobaltites as oxygen electrodes for proton ceramic fuel cells and electrolyser cells"
 Solid State Ionics, Volume 278, 1 October 2015, Pages 120-132
84. K. Belova, S. Baskakova, Chr. Argirusis, I. Animitsa, „*The effect of F-doping on the conductivity of proton conductor Ba₄Ca₂Nb₂O₁₁* ", Electrochimica Acta 193 (2016) 63–71
85. Poulia, P.M. Sakkas, D.G. Kanellopoulou, G. Sourkouni and Chr. Argirusis
"Preparation of metal-ceramic composites by sonochemical synthesis of metallic nano-particles and in-situ decoration on ceramic powders", Ultrasonics-Sonochemistry, 31(2016), 417-422
86. Marta Stucchi, Claudia L. Bianchi, Carlo Pirola, Giuseppina Cerrato, Sara Morandi, Christos Argirusis, Georgia Sourkouni, Alberto Naldoni, Stefania Vitali, Valentino Capucci
"Copper NPs Decorated Titania: A Novel Synthesis by High Energy US with a Study of the Photocatalytic Activity Under Visible Light", Ultrasonics-Sonochemistry, 31(2016), 295-301
87. P. K. Pandis, E. Xenogiannopoulou, P. M. Sakkas, G. Sourkouni, Ch. Argirusis and V. N. Stathopoulos
"Compositional effect of Cr contamination susceptibility of La_{9.83}Si_{6-x-y}Al_xFe_yO_{26-d} apatite type SOFC electrolytes in contact with CROFER 22 APU", RSC Adv., 2016, 6, 49429–49435
88. Dionysios S. Karousos, Kostantinos I. Desdenakis, Petros M. Sakkas, Georgia Sourkouni, Bruno G. Pollet, Christos Argirusis
"Sonoelectrochemical one-pot synthesis of Pt – carbon black nanocomposite PEMFC electrocatalyst", Ultrasonics Sonochemistry, 35(2017), 591-597
89. M. Stucchi, C.L. Bianchi, C. Argirusis, V. Pifferi, B. Neppolian, G. Cerrato, D.C. Boffito,
"Ultrasound assisted synthesis of Ag-decorated TiO₂ active in visible light",
 Ultrasonics Sonochemistry, Volume 40, Part A, January 2018, Pages 282-288,
<https://doi.org/10.1016/j.ultsonch.2017.07.016>

90. Vourdas, N., Marathoniti, E., Pandis, P., Argirusis, Chr., Sourkouni G., Legros, C., Mirza, S., Stathopoulos, V. *Evaluation of LaAlO₃ as top coat material for thermal barrier coatings*, Transactions of Nonferrous Metals Society of China, 2017, accepted
91. Vaitsis Chr, Sourkouni G., Argirusis Chr., „*Metal Organic Frameworks (MOFs) and ultrasound: A review*”, Ultrasonics - Sonochemistry 52C (2019) pp. 106-119
92. A. Tremouli, I. Karydogiannis, P. K. Pandis, K. Papadopoulou, Ch. Argirusis, V.N. Stathopoulos, G. Lyberatos, *"Bioelectricity production from fermentable household waste extract using a single chamber microbial fuel cell"*, Energy Procedia 161 (2019) 2-9
93. A. Tremouli, P. K. Pandis, I. Karydogiannis, V. N. Stathopoulos, Chr. Argirusis, G. Lyberatos, *"Operation and Electro(chemical) characterization of a microbial fuel cell stack fed with fermentable household waste extract"*, Global NEST Journal, 21 (2019) 253-257
94. Tremouli, P.K. Pandis, T. Kamperidis, V.N. Stathopoulos, C. Argirusis, G. Lyberatos, *"Performance assessment of a four-air cathode membraneless microbial fuel cell stack for wastewater treatment and energy extraction"*, E3S Web of Conferences, 116 (2019) 00093
95. Petros M. Sakkas, Christos-Yiannis Bozes, Dimitra G. Kanellopoulou, Georgia Sourkouni, Christos Argirusis, *"A study on the synchronous decoration of molybdenum oxide or tungsten oxide nanoparticles on anode materials for natural gas fed solid oxide fuel cells using ultrasounds"*, Ultrasonics Sonochemistry, Volume 59, December 2019, Article 104715
96. M. Vayenas, C. Vaitsis, G. Sourkouni, P.K. Pandis, C. Argirusis, *"Investigation of alternative materials as bifunctional catalysts for electrochemical applications"*, Chimica Techno Acta, Vol 6, No 4 (2019)
97. Vaitsis Chr., Sourkouni G., Argirusis Chr., *"Chapter13: Sonochemical Synthesis of MOFs"* in „Metal-Organic Frameworks for Biomedical Applications, 1st Edition”, Editor: Masoud Mozafari, Paperback ISBN: 9780128169841, Woodhead Publishing, 14th February 2020
98. Petros M. Sakkas, Maria Argirusi, Georgia Sourkouni, Christos Argirusis, *"Rhenium Oxide Nanoparticles - Sonochemical Synthesis and Integration on Anode Powder for SOFC Applications"*, Ultrasonics-Sonochemistry, Vol. 69, December 2020, 105250
<http://dx.doi.org/10.5772/intechopen.92802>
99. Antonis Maroudas, Pavlos K. Pandis, Anastasia Chatzopoulou, Lambros-Roland Davellas, Georgia Sourkouni, Christos Argirusis, *"Synergetic decolorization of azo dyes using ultrasounds, photocatalysis and photo-fenton reaction"*, Ultrasonics Sonochemistry 71 (2021) 105367
100. Asimina Tremouli, Theofilos Kamperidis, Pavlos K. Pandis, Christos Argirusis, Gerasimos Lyberatos, *"Exploitation of Digestate from Thermophilic and Mesophilic Anaerobic Digesters Fed with Fermentable Food Waste Using the MFC Technology"*, Waste and Biomass Valorization 2021, <https://doi.org/10.1007/s12649-021-01414-0>
101. Ehab Mostafa, Slađjana Martens, Ludwig Asen, Jovana Zečević, Oliver Schneider, Christos Argirusis, *"The influence of the ultrasound characteristics on the electrodeposition of copper from chloride-based electrolytes"*, J. Electroanal. Chem. 892 (2021) 115318, <https://doi.org/10.1016/j.jelechem.2021.115318>
102. Georgia Sourkouni, Charalampia Kalogirou, Philipp Moritz, Anna Gödde, Pavlos K. Pandis, Oliver Höfft, Stamatina Vouyiouka, Antonis A. Zorpas, and Christos Argirusis *"Study on the influence of advanced treatment processes on the surface properties of polylactic acid for a bio-based circular economy for plastics"*, Ultrasonics Sonochemistry Volume 76, August 2021, 105627, <https://doi.org/10.1016/j.ultsonch.2021.105627>
103. Zouraris D., A. Karnaouri, P.K. Pandis, Chr. Argirusis, E. Topakas, A. Karantonis, *"On the interaction of LPMOs with H₃PO₄-swollen cellulose (PASC)"*, J.Electroan. Chem. Vol 897, 15 Sept. 2021, 115540
104. Antonis A. Zorpas, Jose Navarro-Pedreño, Mejdi Jeguirim, Giorgos Dimitriou, María Belén Almendro Candel, Christos Argirusis, Ioannis Vardopoulos, Pantelitsa Loizia, Georgia

- Chatziparaskeva, Iliana Papamichael,
"Crisis in leadership vs waste management",
 Euro-Mediterranean Journal for Environmental Integration (2021) 6(80)
105. Maria Mechili, Christos Vaitsis, Nikolaos Argirusis, Pavlos K. Pandis, Georgia Sourkouni, Christos Argirusis
„Research progress in transition metal oxide based bifunctional electrocatalysts for aqueous electrically rechargeable zinc-air batteries"
 Renewable and Sustainable Energy Reviews 156 (2022) 111970
 107. Pavlos K. Pandis, Theofilos Kamperidis, Konstantinos Bariamis, Ilias Vlachos, Christos Argirusis, Vassilis N. Stathopoulos, Gerasimos Lyberatos and Asimina Tremouli
"Comparative Study of Different Production Methods of Activated Carbon Cathodic Electrodes in Single Chamber MFC Treating Municipal Landfill Leachate"
 Appl. Sci. 2022, 12, 2991. <https://doi.org/10.3390/app12062991>
 107. Theofilos Kamperidis, Pavlos K. Pandis, Christos Argirusis, Gerasimos Lyberatos, and Asimina Tremouli,
"Effect of Food Waste Condensate Concentration on the Performance of Microbial Fuel Cells with Different Cathode Assemblies"
 Sustainability 2022, 14, 2625. <https://doi.org/10.3390/su14052625>
 108. Chukwuka Bethel Anucha, Emin Bacaksiz, Vassilis N. Stathopoulos, Pavlos K. Pandis, Christos Argirusis, Constantina-Dia Andreouli, Zoi Tatoudi, and Ilknur Altin,
"Preparation and Characterization of Supported Molybdenum Doped TiO₂ on α -Al₂O₃ Ceramic Substrate for the Photocatalytic Degradation of Ibuprofen (IBU) under UV Irradiation"
 Catalysts, 2022, 12, 562, <https://doi.org/10.3390/catal12050562>
 109. Chukwuka Bethel Anucha, Emin Bacaksiz, Vassilis N. Stathopoulos, Pavlos K. Pandis, Christos Argirusis, Constantina-Dia Andreouli, Zoi Tatoudi, and Ilknur Altin
"Molybdenum Modified Sol–Gel Synthesized TiO₂ for the Photocatalytic Degradation of Carbamazepine under UV Irradiation"
 Processes 2022,10, 1113
 110. Georgia Chatziparaskeva, Iliana Papamichael, Irene Voukkali, Pantelitsa Loizia, Georgia Sourkouni, Christos Argirusis, and Antonis A. Zorpas
"End-of-Life of Composite Materials in the Framework of the Circular Economy"
 Microplastics 2022, 1, 377–392
 111. Christos Vaitsis, Eirini Kanellou, Pavlos K. Pandis, Iliana Papamichael, Georgia Sourkouni, Antonis A. Zorpas, Christos Argirusis,
"Sonochemical synthesis of zinc adipate Metal-Organic Framework (MOF) for the electrochemical reduction of CO₂: MOF and circular economy potential"
 Sustainable Chemistry and Pharmacy 29 (2022) 100786
 112. Maria Mechili, Christos Vaitsis, Nikolaos Argirusis, Pavlos K. Pandis, Georgia Sourkouni, Antonis Zorpas, and Christos Argirusis
„Research Progress in Metal-Organic Framework Based Nanomaterials Applied in Battery Cathodes", Energies 2022, 15, 5460. <https://doi.org/10.3390/en15155460>
 113. Maria G. Savvidou, Diomi Mamma, Pavlos K. Pandis, Georgia Sourkouni, Christos Argirusis
"Organic wastes for bioenergy production via microbial fuel cells: A review"
 Energies 2022, 15, 5616. <https://doi.org/10.3390/en15155616>
 114. Iliana Papamichael, Irene Voukkali, Mejdi Jeguirim, Nikolaos Argirusis, Salah Jellali, Georgia Sourkouni, Christos Argirusis, and Antonis A. Zorpas
„End-of-Life Management and Recycling on PV Solar Energy Production"
 Energies 2022, 15, 6430. <https://doi.org/10.3390/en15176430>
 115. Ch. Kalogirou, G. Sourkouni, O. Höfft, A. Gödde, N. Papadimitriou, P. Pandis, Chr. Argirusis,
"Assessing the time dependence of AOPs on the surface properties of Polylactic Acid", Journal of Polymers and the Environment, published online 29.10.2022,
<https://doi.org/10.1007/s10924-022-02608-w>
 116. Iliana Papamichael, Foteini Tsiolaki, Marinos Stylianou, Irene Voukkali, Georgia Sourkouni, Nikolaos Argirusis, Christos Argirusis, and Antonis A. Zorpas
"Evaluation of the effectiveness and performance of environmental impact assessment studies in Greece",
 Comptes Rendus Chimie, Published online: 12 January 2023,
<https://doi.org/10.5802/crchim.218>

117. G. Sourkouni, S. Jeremić, Ch. Kalogirou, O. Höfft, M. Nenadovic, V. Jankovic, D. Rajasekaran, P. Pandis, R. Padamati, J. Nikodinovic-Runic, Chr. Argirusis
"Study of PLA pre-treatment, enzymatic and model-compost degradation, and valorization of degradation products to bacterial nanocellulose",
World Journal of Microbiology and Biotechnology, (2023) 39:161
<https://doi.org/10.1007/s11274-023-03605-4>

International conferences

1. Argirusis C., Kilo M., Müller A. C., Weber A., G. B. and Ivers-Tiffée E., "Interdiffusion between Electrode and Electrolyte Materials for Cathode Supported SOFCs with Thin Film Electrolytes", Proceedings of the 10th International IUPAC Conference on High Temperature Materials Chemistry, F. W. F. K. Hilpert, L. Singheiser (eds), Jülich/Germany, 10-14 April 2000, Jülich Reports on Energy Technology 15, 727-730, (2000)
2. Argirusis C., Kilo M., Fielitz P., Borchardt G., Guntow U., Weber A., Müller A. C. and Ivers-Tiffée E., "Chemical diffusion of cobalt in the system $\text{La}_{0.9}\text{Sr}_{0.1}\text{Ga}_{0.8}\text{Mg}_{0.2}\text{O}_{3-\delta} / \text{La}_{1-x}\text{Sr}_x\text{CoO}_{3-\delta}$ ($x=0.3$ to 0.4)", Solid Oxide Fuel Cells VII (SOFC VII), H. Yokokawa and S. C. Singhal (eds), Tsukuba, Japan, Electrochemical Society Proceedings 2001-16, 914-921, (2001)
3. Argirusis C., Kilo M., Fielitz P., Borchardt G., Guntow U., Weber A., Müller A. C. and Ivers-Tiffée E., "Interdiffusion Phenomena in Cathode Supported SOFCs with Thin Film Electrolytes. Chemical Diffusion of Cobalt in the System $\text{La}_{0.9}\text{Sr}_{0.1}\text{Ga}_{0.8}\text{Mg}_{0.2}\text{O}_{3-\delta} / \text{La}_{1-x}\text{Sr}_x\text{CoO}_{3-\delta}$ ($x = 0.3$ to 0.4)", Solid Oxide Fuel Cell Materials and Mechanisms, A. McEvoy (eds), Les Diablerets, Switzerland, 16-19. January 2001, OSSEP Joint Topical Meeting 118-124, (2001)
4. Kilo M., Argirusis C. and Borchardt G., "Cation diffusion in stabilized zirconia: Experimental results and application to SOFC", Solid Oxide Fuel Cell Materials and Mechanisms, A. McEvoy (eds), Les Diablerets, Switzerland, 16-19. January 2001, OSSEP Joint Topical Meeting 85-91, (2001)
5. Kilo M., Taylor M. A., Argirusis C., Borchardt G., Weber S. and Scherrer H., "Lanthanide diffusion in calcia stabilized zirconia: experimental and theoretical study", Solid Oxide Fuel Cells VIII (SOFC VIII), M. D. S.C. Singhal (eds), Paris, Electrochemical Society Proceedings 2003-7, 214-221, (2003)
6. Schulz O., Martin M., Argirusis C. and Borchardt G., "Cation tracer diffusion of La-138, Sr-84 and Mg-25 in polycrystalline $\text{La}_{0.9}\text{Sr}_{0.1}\text{Ga}_{0.9}\text{Mg}_{0.1}\text{O}_{2.9}$ ", 78th International Bunsen Discussion Meeting on Complex Oxides: Defect Chemistry, Transport and Chemical Reaction, Book of Abstracts, 6-9 October, 2002
7. M. Kilo, Chr. Argirusis, G. Borchardt, R.A. Jackson, "Oxygen Diffusion in Yttria Stabilized Zirconia – Experimental Results and Molecular Dynamics Calculations", 78th International Bunsen Discussion Meeting on Complex Oxides: Defect Chemistry, Transport and Chemical Reaction,
8. M. Kilo, M.A. Taylor, Ch. Argirusis, G. Borchardt, S. Weber, H. Scherrer "Lanthanide diffusion in calcia stabilized zirconia: experimental and theoretical study" Solid Oxide Fuel Cells VIII (SOFC VIII), Paris 2003, Electrochemical Society Proceedings, S.C. Singhal, M. Dokiya (Eds.), Vol. 2003-7, 214-221
9. Chr. Argirusis, M.A. Taylor, M. Kilo, G. Borchardt, F. Jomard, "SIMS Study of Transition Metals Transport in Single Crystalline Yttria Stabilized Zirconia", 85th International Bunsen Colloquium, Atomic Transport in Solids: Theory and Experiments – In honour of the 75th birthday of Alan B. Lidiard, Book of Abstracts, p. 13, Gießen, 31. October 2003
10. M. Kilo, M.A. Taylor, Ch. Argirusis, G. Borchardt, B. Lesage, "Nitrogen Self Diffusion in Yttria Doped Zirconium Oxonitride Using Implanted ^{15}N as Stable Tracer", 85th International Bunsen Colloquium, Atomic Transport in Solids: Theory and Experiments – In honour of the 75th birthday of Alan B. Lidiard, Book of Abstracts, p. 23, Gießen, 31. October 2003
11. Chr. Argirusis, T. Damjanović, G. Borchardt, "Electrophoretic deposition of thin SOFC-electrolyte films on porous $\text{La}_{0.75}\text{Sr}_{0.2}\text{MnO}_{3-\delta}$ cathodes", Fifth Yugoslav Materials Research Society Conference, YUCOMAT 2003, September 15-19, Herceg Novi, Serbia and Montenegro.
12. T. Damjanović, H. Leipner, Chr. Argirusis, R. Herbig, R. Weiß, G. Tomandl, G. Borchardt, "Sol-gel route for electrophoretic deposition of mullite diffusion barriers on C/C-Si-SiC-composites", Fifth Yugoslav Materials Research Society Conference, YUCOMAT 2003, September 15-19, Herceg Novi, Serbia and Montenegro.
13. Taylor M. A., Kilo M., Argirusis C., Borchardt G., Valov I., Korte C., Janek J., Rodel T. C. and Lerch M., "Nitrogen tracer diffusion in yttria doped zirconium oxonitride", Diffusion in Materials: Dimat 2004, Pt 1 and 2, (ed.), 237-240, 479-484, (2005)
14. Damjanović T., Argirusis C. and Borchardt G., "Modeling and experimental verification of the oxidation protection of C/C-Si-SiC composites with mullite", Sixth Yugoslav Materials Research Society Conference, YUCOMAT 2004, September 15-19, Herceg Novi, Serbia and Montenegro.
15. Argirusis C., Damjanović T., Stojanovic M. and Borchardt G., "Synthesis and electrophoretic deposition of an yttrium silicate coating system for oxidation protection of C/C-Si-SiC

- composites", Sixth Yugoslav Materials Research Society Conference, YUCOMAT 2004, September 15-19, Herceg Novi, Serbia and Montenegro.
16. Chr. Argirusis, J. Fleig, F. Jomard, G. Borchardt, H.-U. Habermeier, J. Maier, „A SIMS study on reaction pathways of oxygen in structured $(\text{La}_{0.8}\text{Sr}_{0.2})_{0.92}\text{MnO}_{3-\delta}$ SOFC cathodes on YSZ under cathodic polarization conditions", 55th Annual Meeting of the International Society of Electrochemistry, 19-24 September 2004, Thessaloniki, Book of Abstracts, p. 799
 17. T. Damjanović, Chr. Argirusis, G. Borchardt, R. Weiss, "Electrophoretic deposition of mullite on C/C-SiC composites", 55th Annual Meeting of the International Society of Electrochemistry, 19-24 September 2004, Thessaloniki, Book of Abstracts, p. 526
 18. Argirusis C., Damjanović T., S. Patouna, Stojanovic M. and Borchardt G., "Electrophoretic deposition of thin film SOFC-electrolyte films on porous $\text{La}_{0.75}\text{Sr}_{0.2}\text{MnO}_{3-\delta}$ cathodes", 55th Annual Meeting of the International Society of Electrochemistry, 19-24 September 2004, Thessaloniki, Book of Abstracts, p. 574
 19. Chr. Argirusis, J. Fleig, F. Jomard, G. Borchardt, H.-U. Habermeier, J. Maier, „A SIMS study on reaction pathways of oxygen in structured $(\text{La}_{0.8}\text{Sr}_{0.2})_{0.92}\text{MnO}_{3-\delta}$ SOFC cathodes on YSZ under cathodic polarization conditions", FDCF – 2nd France-Deutschland Fuel Cell Conference, 29.11-02.12 2004, Belfort, France
 20. Chr. Argirusis, T. Damjanović, G. Borchardt, "Preparation of thin SOFC-electrolyte films on porous $\text{La}_{0.75}\text{Sr}_{0.2}\text{MnO}_{3-\delta}$ cathodes by means of electrophoretic deposition", 2nd International Conference on Electrophoretic Deposition: Fundamentals and Applications, Book of Abstracts, May 29-June 2, 2005
 21. T. Damjanović, Chr. Argirusis, G. Borchardt, K. Moritz, R. Herbig, E. Mueller, R. Weiss, "Electrophoretic deposition of mullite based systems on C/C-SiC composites", 2nd International Conference on Electrophoretic Deposition: Fundamentals and Applications, Book of Abstracts, May 29-June 2, 2005
 22. T. Damjanović, Chr. Argirusis, B. Jokanovic, P. Fielitz, G. Borchardt, K. Moritz, R. Herbig, R. Weiss "Ultralow Oxidation Rates of Mullite Protected C/C-SiC Composites in Air at $1200\text{ }^\circ\text{C} < T < 1550\text{ }^\circ\text{C}$ " Presented at 6th International Conference of Oxidation, University of Birmingham, UK, 2005
 23. Damjanović T., Argirusis C., Borchardt, Weiss R., "Oxidation protection of C/C-SiC composites by an electrophoretically deposited mullite precursor", Book of Abstracts, p. 188 - IXth Conference and Exhibition of the European Ceramic Society, Portoroz, Slovenia, 19-23 June, 2005
 24. Argirusis C., Damjanović T., Borchardt G., "Yttrium silicate coating system for oxidation protection of C/C-Si-SiC composites", Book of Abstracts, p. 189 - IXth Conference and Exhibition of the European Ceramic Society, Portoroz, Slovenia, 19-23 June, 2005
 25. Wagner, S., Warnke, C., Menesklou, W., Argirusis, Chr., Damjanović, T., Borchardt, G. and Ivers-Tiffée, E., "Enhancement of oxygen surface kinetics of SrTiO_3 by alkaline earth metal oxides", SSI-15, International Conference on Solid State Ionics, Baden-Baden, Germany, 17-22 July, 2005 – Book of abstracts p. 60
 26. K. Moritz, R. Herbig, T. Damjanović, Chr. Argirusis, and G. Borchardt, „Synthesis and Electrophoretic Deposition of Mullite Precursor Sols for the Oxidation Protection of Carbon Fibre Reinforced Composites", 11th International Ceramics Congress, Acireale, Sicily, Italy, 04-09 June, 2006, Publication on CD.
 27. V. Menvie Bekale, C. Legros, G. Sattonnay, A.M. Huntz, B. Lesage, Chr. Argirusis, F. Jomard, "Diffusion study of cerium and gadolinium in single and polycrystalline yttria-stabilized zirconia", 2nd International Conference on Diffusion in Solids and Liquids DSL2006, Aveiro (Portugal), 26 – 28 July 2006
 28. V. Sadykov, N. Mezentseva, G. Alikina, L. Batuev, V. Muzykantov, A. Lukashevich, T. Kharlamova, A. Boronin, S. Koshcheev, V. Rogov, A. Salanov, V. Zaikovskii, A. Ishchenko, T. Krieger, O. Bobrenok, N. Uvarov, V. Zyryanov, O. Vasylyev, J. Kilner, A. Smirnova, "Complex perovskites as Cathodic materials: conductivity, oxygen mobility and reactivity", presented at ASME 5-th Fuel Cells Science, Technology and Engineering International Conference, New York, USA, 18-20 June, 2007
 29. T. Kharlamova, S. Pavlova, V. Sadykov, O. Lapina, J. Khabibulin, T. Kriger, V. Muzykantov, M. Chaikina, N. Uvarov, J. Frade and Chr. Argirusis "Low-Temperature Synthesis and Characterization of Apatite-Type Lanthanum Silicates", Präsentiert bei SSI-XVI, International Conference on Solid State Ionics, 01-07 Juli 2007, Shanghai, China

30. M. Kilo, Chr. Argirusis, G. Borchardt, S. Gosh, A.H. Chokshi, "Creep in Scandia Stabilized Zirconia", Präsentiert SSI-XVI, International Conference on Solid State Ionics, 01-07 Juli 2007, Shanghai, China
31. Matić, Sladjana; Schneider, Oliver; Argirusis, Christos, "An in-situ EQCM study of sonoelectrochemical deposition of metallic materials" präsentiert in 19th International Congress on Acoustics, Madrid, Spain, 2-7 September 2007
32. Chr. Argirusis, S. Matić, O. Schneider, "An EQCM study of ultrasonically assisted electrodeposition of Co/CeO₂ and Ni/CeO₂ composites for fuel cell applications", präsentiert in E-MRS, Warschau, 16-21 September 2007
33. T. Kharlamova, S. Pavlova, V. Sadykov, T. Kriger, V. Muzykantov, N. Mezentseva, M. Chaikina, N. Uvarov, J. Frade, Chr. Argirusis "Apatite-Type Lanthanum Silicate Based Materials for Intermediate Temperatures SOFC Applications", Poster in EUROPACAT 8 (8th European Congress on Catalysis), 26 – 31 August, 2007, Turku, Finland
34. T. Kharlamova, S. Pavlova, V. Sadykov, O. Lapina, J. Khabibulin, T. Kriger, V. Muzykantov, M. Chaikina, N. Uvarov, J. Frade and Chr. Argirusis "Low-Temperature Synthesis Methods of Doped Apatite-Type Lanthanum Silicates", presented in the International Symposium on Innovative Materials for Processes in Energy Systems - for Fuel Cells, 28-31 October, 2007, Kyoto Research Park, Kyoto, Japan
35. T. Kharlamova, S. Pavlova, V. Sadykov, M. Chaikina, T. Kriger, O. Lapina, D. Khabibulin, A. Ishchenko, V. Zaikovskii, Chr. Argirusis and Jorge Frade, "Genesis of Al-doped apatite-type nanocrystalline lanthanum silicates prepared by mechanochemical synthesis: Phase, structural and microstructural study", presented at E-MRS Fall Meeting, Warsaw, 2007
36. R.-U. Dietrich, Chr. Argirusis, K. Dammeyer, L. Dörrer, S. Rubin and H. Stagge, "SOFC Demonstrator for Portable Power Supply Running on Commercial Propane Gas", presented in the 8th European SOFC Forum, June 30 to July 4, 2008, Lucerne, Switzerland
37. T. Kharlamova, V. Zarubina, S. Pavlova, V. Sadykov, T. Kriger, G. Alikina, L. Batuev, V. Muzykantov, V. Zaikovskii, A. Ishchenko, V. Rogov, M.V. Chaikina, N. Uvarov, J. Frade, Chr. Argirusis, "Synthesis and characterization of nanocomposites based on LaSrNiFe-perovskites and electrolytes as advanced materials for IT SOFC cathodes and membranes", Nanocatalysis: Fundamentals & Applications. A Pre-Conference of the 14th International Congress on Catalysis, June 9-12, 2008, Dalian, China
38. T. Kharlamova, S. Pavlova, V. Sadykov, T. Kriger, G. Alikina, J. Frade, Chr. Argirusis, "Anode composites based on NiO and apatite-type lanthanum silicate for internal methane reforming in IT SOFC", submitted to 14th International Congress on Catalysis, COEX, Seoul, Korea, July 13-18, 2008.
39. V. Sadykov, V. Muzykantov, O. Bobrenok, N. Uvarov, A. Smirnova, J. Kilner, Chr. Argirusis, "Complex perovskites and their composites with doped ceria as advanced materials for solid oxide fuel cell cathodes and membranes", 14th International Congress on Catalysis, COEX, Seoul, Korea, July 13-18, 2008.
40. T. Kharlamova, S. Pavlova, V. Sadykov, T. Krieger, N. Mezentseva, V. Muzykantov, G. Alikina, A. Boronin, V. Zaikovskii, A. Ishchenko, V. Rogov, N. Uvarov, J. Frade, and Chr. Argirusis, "Perovskite and Composite Materials for Intermediate Temperatures Solid Oxide Fuel Cells", MRS Fall Meeting - Boston, 2007, Mater. Res. Soc. Symp. Proc. Vol. 1056, 1056-HH03-64
41. O. Schneider, S. Matić, J. Zecević, Chr. Argirusis, „Study of sonoelectrochemical reactions with the electrochemical quartz crystal microbalance“, 11th Meeting of the European Society of Sonochemistry, June 1-5, 2008, La Grande-Motte, France
42. Chr. Argirusis, S. Matić, J. Zecević, O. Schneider, „Sonoelectrochemical deposition of functional metal-ceramic and metal-metal composite layers“, 11th Meeting of the European Society of Sonochemistry, June 1-5, 2008, La Grande-Motte, France
43. T. Kharlamova, S. Pavlova, V. Sadykov, T. Krieger, G. Alikina, J. Frade, and Chr. Argirusis, "Anode Composites Based on NiO and Apatite-Type Lanthanum Silicate for Intermediate Temperature Solid Oxide Fuel Cells", MRS Spring Meeting (Materials Research Society Spring Meeting), San Francisco, CA, USA, March 24- 28, 2008, Mater. Res. Soc. Symp. Proc. Vol. 1098, 1098-HH07-02
44. S. F. Wagner, W. Menesklou, Chr. Argirusis, G. Borchardt, E. Ivers-Tiffée, "Alkaline Earth Oxide Coatings of Sr(Ti_{1-x}Fe_x)O_{3-δ}: A Study of the Oxygen Exchange Behaviour" oral presentation in Electroceramics XI, Manchester, UK, 31.08-04.09.2008
45. T. Kharlamova, S. Pavlova, V. Sadykov, T. Krieger, O. Lapina, D. Khabibulin, N. Mezentseva, M. Chaikina, N. Uvarov, Chr. Argirusis, "Fe- and Al-doped Apatite Type Lanthanum Silicates:

- Structure and Property Characterization", poster presentation in Electroceramics XI, Manchester, UK, 31.08-04.09.2008
46. P. Datta, F. Voigts, J. Grosse-Brauckmann, W. Maus-Friedrichs and Chr. Argirusis, „Oxygen Incorporation into Strontium Titanate Single Crystals from CO₂ Dissociation", oral presentation in Electroceramics XI, Manchester, UK, 31.08-04.09.2008
 47. V. Sadykov, T. Kharlamova, S. Pavlova, T. Kriger, L. Batuyev, G. Alikina, J. Frade, and Chr. Argirusis, "Fe- and Al-doped Apatite Type Lanthanum Silicates as Electrolyte Materials for SOFCs", oral presentation in the 59th Annual Meeting of the International Society of Electrochemistry, September 7 to 12, 2008, Seville, Spain
 48. J. Große-Brauckmann, V. Lair, and Chr. Argirusis, „Electrophoretic Deposition of Oxide Layers with Ionic Liquids", poster presentation in the 59th Annual Meeting of the International Society of Electrochemistry, September 7 to 12, 2008, Seville, Spain
 49. O. Schneider, S. Matic, J. Zecevic, and Chr. Argirusis, „The electrochemical quartz crystal microbalance technique in sonochemistry", poster presentation in the 59th Annual Meeting of the International Society of Electrochemistry, September 7 to 12, 2008, Seville, Spain
 50. Chr. Argirusis, S. Matic, J. Zecevic, O. Schneider, „Sonochemical deposition of functional metal-ceramic and metal-metal composite layers", poster presentation in the 59th Annual Meeting of the International Society of Electrochemistry, September 7 to 12, 2008, Seville, Spain
 51. Jana Große-Brauckmann, Virginie Lair, and Christos Argirusis, "Application of Ionic Liquids in the Electrophoretic Deposition of Oxide Layers", presented in the 3rd International Conference on Electrophoretic Deposition: Fundamentals and Applications, October 5-9, 2008, Hyogo, Japan
 52. J. Große-Brauckmann, S. Matic, O. Schneider, and Chr. Argirusis, „Deposition of sonochemically derived nano particles", presented in the 3rd International Conference on Electrophoretic Deposition: Fundamentals and Applications, October 5-9, 2008, Hyogo, Japan
 53. Chr. Szepanski, J. Große-Brauckmann, and Chr. Argirusis, „Electrophoretic deposition as preparation method for intermediate temperature SOFC-half cells", oral presentation in the 3rd International Conference on Electrophoretic Deposition: Fundamentals and Applications, October 5-9, 2008, Hyogo, Japan
 54. J. Grosse-Brauckmann, G. Borchardt, and Chr. Argirusis, „Preparation and Electrophoretic Deposition of an Yttrium Silicate Precursor Sol", oral presentation in the 3rd International Conference on Electrophoretic Deposition: Fundamentals and Applications, October 5-9, 2008, Hyogo, Japan
 55. J. Grosse-Brauckmann, G. Sourkouni, G. Taillades, J. Rozière, and Chr. Argirusis, "Preparation of Thin Proton Conducting Membranes by means of EPD", presented in the 3rd International Conference on Electrophoretic Deposition: Fundamentals and Applications, October 5-9, 2008, Hyogo, Japan
 56. J. Große-Brauckmann, G. Borchardt, T. Damjanović and Chr. Argirusis, "Electrophoretic deposition of yttrium silicate on C/C-Si-SiC composites under galvanostatic conditions", presented in the 3rd International Conference on Electrophoretic Deposition: Fundamentals and Applications, October 5-9, 2008, Hyogo, Japan
 57. V.A. Sadykov, V.N. Parmon, Ch. Argirusis and J. Kilner, "Design of oxide nanocomposites with mixed ionic-electronic conductivity as materials for SOFC and oxygen-conducting membranes", invited report in the frame of the First Russian-German Seminar on Thermodynamics and Materials Science, 23-25.09.2008 Novosibirsk, Russia
 58. O. Schneider, S. Martens, Chr. Argirusis, "Sonochemical deposition of functional composite layers" presented in the PRIME 2008 ECS Joint International Meeting, Honolulu, Hawaii, October 12 - 17, 2008, ECS Transactions, Volume 16
 59. T. Kharlamova, S. Pavlova, V. Sadykov, T. Krieger, L. Batuev, V. Muzykantov, O. Lapina, D. Khabibulin, M. Chaikina, N. Uvarov, Y. Pavlukhin, S. Petrov, Chr. Argirusis, "Doped Apatite Type Lanthanum Silicates: Structure and Property Characterization", MRS Fall Meeting (Materials Research Society Spring Meeting), Boston, CA, USA, 2008
 60. L. Dörrer, R. Brandenburger, Chr. Argirusis, G. Borchardt, H. Stagge, H.-P. Beck, Chr. Schmid, J. Hamje, V. Wesling, A. Lindermeir, „Architecture of planar SOFC stacks with parallel-connected cells", presented at Fundamentals and Developments of Fuel Cells, 10-12 December 2008, Nancy, France
 61. T. Kharlamova, S. Pavlova, V. Sadykov, M. Chaikina, T. Krieger, Chr. Argirusis, "Mechanochemical synthesis of apatite-type lanthanum silicates", presented at the VI International Conference on Mechanochemistry and Mechanical Alloying (INCOME2008), December 1-4, 2008, India

62. T. Kharlamova, S. Pavlova, V. A. Sadykov, M. Chaikina, T. Krieger, O. Lapina, D. Khabibulin, A. Ishchenko, Y. Pavluchin, Chr. Argiris, "Doping and structural features of the apatite-type lanthanum silicate in the $\text{La}_2\text{O}_3\text{-SiO}_2\text{-Al}_2\text{O}_3$ and $\text{La}_2\text{O}_3\text{-SiO}_2\text{-Fe}_2\text{O}_3$ systems", Oral presentation at E-MRS Fall Meeting 2008, Warsaw, Poland
63. T. Kharlamova, S. Pavlova, V. Sadykov, T. Krieger, G. Alikina, V. Rogov, J. Frade, Chr. Argiris, "New anode materials for multi-fuel intermediate temperature solid oxide fuel cells", presented at Post-Symposium of 14th ICC "Catalysis for Hydrogen Energy Production and Utilization", Gyeongju, Korea, July 20-22, 2008
64. Chr. Argiris, S. F. Wagner, W. Menesklou, E. Ivers-Tiffée, "Study of the oxygen incorporation and diffusion in $\text{Sr}(\text{Ti}_{0.65}\text{Fe}_{0.35})\text{O}_3$ ceramics", Poster presented 17th International conference on Solid State Ionics to be held 28 June - 3 July 2009, Toronto, Canada
65. Chr. Argiris, J. Grosse-Brauckmann, F. Voigts, W. Maus-Friedrichs, "Water as a source for oxygen incorporation into acceptor doped SrTiO_3 single crystals", Oral presentation in 17th International conference on Solid State Ionics to be held 28 June - 3 July 2009, Toronto, Canada
66. O. Schneider, S. Martens and C. Argiris, "The electrochemical quartz crystal microbalance technique in sono-electrochemistry", Oral presentation in 216th ECS Meeting in Vienna, Austria 04-09.10.2009
67. S. Bebelis, H. Gasparyan, C. Argiris, C. Szepanski, V. Stathopoulos, T. Kharlamova and V. Sadykov, "Electrochemical Characterization of a $\text{La}_{0.8}\text{Sr}_{0.2}\text{Ni}_{0.4}\text{Fe}_{0.6}\text{O}_{3-\delta}$ Electrode Interfaced with $\text{La}_{9.83}\text{Si}_5\text{Al}_{0.75}\text{Fe}_{0.25}\text{O}_{26\pm\delta}$ Apatite-type Electrolyte" Poster in Solid Oxide Fuel Cells, Eleventh International Symposium (SOFC-XI) in 216th ECS Meeting in Vienna, Austria 04-09.10.2009
68. T. Kharlamova, S. Pavlova, V. Sadykov, Y. Bepalko, T. Krieger, O. Lapina, D. Khabibulin, V. Muzykantov, M. Chaikina, N. Uvarov, Y. Pavlukhin, S. Petrov and C. Argiris, "Structure and Transport Properties of Doped Apatite-type Lanthanum Silicates Prepared via Mechanochemical Route", Poster in Solid Oxide Fuel Cells, Eleventh International Symposium (SOFC-XI) in 216th ECS Meeting in Vienna, Austria 04-09.10.2009
69. Chr. Argiris, S. Martens, O. Schneider, "The application of the electrochemical quartz crystal microbalance (EQCM) technique in sono-electrochemistry", presented at the 6th International Conference on Instrumental Methods of Analysis - Modern Trends and Applications (IMA 2009), Athens, Greece, 4th to 8th of October, 2009
70. S. Bebelis, H. Gasparyan, S. Neophytides, D. Niakolas, V. Stathopoulos, Chr. Argiris, "Synthesis and characterisation of apatite materials for SOFC applications", presented at 7th Panhellenic Scientific Meeting on Chemical Engineering, 3-5 June 2009. Patras, Greece
71. E. Jothinathan, T. Kharlamova, K. Vanmeensel, V. Sadykov, J. Vleugels, O. Van der Biest, O. Schneider, Chr. Szepanski, Chr. Argiris, "Apatite type lanthanum silicate and composite anode half cells", presented at 17th International conference on Solid State Ionics, 28 June - 3 July 2009, Toronto, Canada
72. Evangelia Xenogiannopoulou, Pavlos Pandis, Petros Sakkas, Christos Argiris, Vassilis Stathopoulos, "Preparation and characterisation of YSZ thin films deposited by RF sputtering over NiO/YSZ porous supports", 7th Conference on Inorganic Materials, Biarritz, France, September 12 - 14, 2010
73. Christos Argiris, Pavlos Pandis, Petros Sakkas, Georgia Sourkouni, Evangelia Xenogiannopoulou, Vassilis Stathopoulos, "Interaction of CROFER-22 with apatite-type lanthanum silicate electrolytes for SOFCs", European FUEL CELL FORUM 2010, Luzern, Switzerland, 29 June - 2 July 2010
74. Vassilis Stathopoulos, Elias Georgiopoulos, Georgia Sourkouni, Evangelia Xenogiannopoulou, Dimitra Kanellopoulou, Costas Stournaras, Eric Louradour, Jean-Pierre Joulin, Christos Argiris, "Fabrication and Characterisation of Anode Supported Apatite type Electrolyte Coatings Deposited by Atmospheric Plasma Spraying", 9th European FUEL CELL FORUM 2010, Lucerne, Switzerland, 29 June - 2 July 2010
75. Argiris, Christos, Stathopoulos, Vassilis, Sourkouni, Georgia, "Preparation of perovskite oxide based proton conducting materials and membranes", International Conference on Solid State Chemistry 2010 (SSC2010), Prague, Czech Republic, September 11-15, 2010
76. P. Pandis, P. Sakkas, G. Sourkouni, Ch. Argiris, Ch. Ftikos "Influence of doping on oxygen permeability in $\text{La}_x\text{Ba}_{1-x}\text{Co}_{1-y}\text{M}_y\text{O}_{3\pm\delta}$, (M=Fe, Mn) perovskites", International Conference on Solid State Chemistry 2010 (SSC2010), Prague, Czech Republic, September 11-15, 2010
77. Chr. Argiris, S. Martens, P. Sakkas, G. Sourkouni, O. Schneider, "Sono-electrochemistry - a versatile tool for the preparation of nanomaterials", **Invited lecture**, 9th European Symposium on

- Electrochemical Engineering, 19-23 June 2011, Chania, Crete, Greece
78. Vassiliki Stournari, Christos Argirusis, Georgia Sourkouni, Vassilis Stathopoulos, "Preparation and characterization of nano-crystalline apatite-type lanthanum silicates for solid oxide fuel cells", European Materials Research Society International Conference, E-MRS 2011 Spring & Bilateral Meeting, Nice (France), May 9 to 13, 2011
 79. Martin Kilo, Christos Argirusis, Corinne Legros, Bernard Lesage, "Molecular Dynamics Simulation of Oxygen Transport in Lanthanum Strontium Manganate", 18th International Conference on Solid State Ionics, 03-08 July, 2011, Warszawa, Poland
 80. P. Pandis, V. Siaperas, V. Nikolakaki, Chr. Ftikos, G. Sourkouni, and Chr. Argirusis, "INFLUENCE OF DOPING ON ELECTRICAL CONDUCTIVITY AND OXYGEN PERMEABILITY OF $\text{La}_{1-x}\text{Ba}_x\text{Co}_{1-y}\text{M}_y\text{O}_{3+\delta}$, (M=Fe,Mn) PEROVSKITES", 18th international conference on solid state ionics, 03-08 July, 2011, warszawa, poland
 81. P. Pandis, Chr. Ftikos, G. Sourkouni, Chr. Argirusis, "STRUCTURAL INTEGRITY AFTER LONG-TERM OXYGEN PERMEATION STUDIES AT $\text{BaMe}_y\text{Fe}_{1-y}\text{O}_{3-\delta}$ (ME=Ni, Cu) COMPOUNDS", 18th International Conference on Solid State Ionics, 03-08 July, 2011, Warszawa, Poland
 82. Chr. Argirusis, S. Martens, P. Sakkas, G. Sourkouni, O. Schneider, „Sono-electrochemistry – A versatile tool for the preparation of nanomaterials”, Thirteenth Annual Conference YUCOMAT 2011, September 5-9, 2011, Herceg Novi, Montenegro
 83. Penelope Thanou, Petros Sakkas, Georgia Sourkouni, Oliver Schneider, Christos Argirusis, "Preparation of Metal Nanoparticles for SOFC Anodes Using Sono-electrochemical Methods", Thirteenth Annual Conference YUCOMAT 2011, September 5-9, 2011, Herceg Novi, Montenegro
 84. Kioupis D., Gaki A., Argirusis Ch., Kakali G, Synthesis and Characterization of $\text{La}_{0.83-x}\text{Sr}_x\text{Si}_{6-y}\text{Al}_y\text{O}_{26+\delta}$ ($0 \leq x, y \leq 0.5$) Powders, International Symposium on Advanced Complex Inorganic Nanomaterials (ACIN 2011), Namur 2011, P-158.
 85. Christos Argirusis, Ezhil Jothinathan, Georgia Sourkouni, Francois Jomard, Omer van der Biest, "Oxygen tracer diffusion and conductivity measurements in doped apatite type electrolytes for SOFCs ", E-MRS 2012 SPRING MEETING, Strasbourg, France, May 14-18, 2012
 86. Chr. Argirusis, P. Sakkas, G. Sourkouni, O. Schneider, "Sonochemically Assisted Preparation of Catalytic Active Materials for SOFC Anodes", International Scientific/Technical Conference Nanotechnologies of Functional Materials (NFM'12), St. Petersburg, Russia, 27-29/6/2012
 87. Chr. Argirusis et al, "Ultrasound assisted catalytic reactions and preparation of catalysts for energy", **Invited lecture**, 13th European Society of Sonochemistry Meeting, Lviv Polytechnic National University, Ukraine, 1-5/7/2012.
 88. Petros Sakkas, Yiannis Bozes, Pinelopi Thanou, Georgia Sourkouni, Oliver Schneider, and Christos Argirusis, "Ultrasonically Assisted Decoration of Anode Materials for Solid Oxide Fuel Cells", 13th European Society of Sonochemistry Meeting, Lviv Polytechnic National University, Ukraine, 1-5/7/2012.
 89. Petros Sakkas, Yiannis Bozes, Georgia Sourkouni, Dimitra Kanellopoulou, Christos Argirusis, "Sonochemical Synthesis of Rhenium Oxide Nanoparticles for Fuel Cell Applications", 13th European Society of Sonochemistry Meeting, Lviv Polytechnic National University, Ukraine, 1-5/7/2012
 90. Yiannis Bozes, Petros Sakkas, Mary Kollia, Georgia Sourkouni, Christos Argirusis, "Sonochemical Synthesis of Molybdenum Oxide Nanoparticles for Decoration of SOFC Anode Powders", 13th European Society of Sonochemistry Meeting, Lviv Polytechnic National University, Ukraine, 1-5/7/2012
 91. Pinelopi Thanou, Petros Sakkas, Mary Kollia, Pavlos Pandis, Georgia Sourkouni, Oliver Schneider, Christos Argirusis, "Sono-Electrochemical Preparation of Gold Nanoparticles for Novel SOFC Anode Materials", 13th European Society of Sonochemistry Meeting, Lviv Polytechnic National University, Ukraine, 1-5/7/2012
 92. Cabanas-Polo, S., Ferrari, B., Gordo, E., Sánchez-Herencia, A.J., Argirusis, C., "Nanosized nickel powders synthesized by a reduction method assisted by ultrasound", European International Powder Metallurgy Congress and Exhibition, Euro PM 2012; Basel; Switzerland; 16 September 2012 through 19 September 2012; Code 105676
 93. Chr. Argirusis, G. Antonaropoulos G. Sourkouni, and F. Jomard, "Oxygen tracer diffusion in single crystalline yttrium silicate", presented at the Solid State Ionics, Kyoto, Japan, 2013
 94. Christos Argirusis, "Sonochemistry In The Service of SOFC Research", **Invited lecture** at the 1st Asia-Oceania Sonochemical Society Meeting in Melbourne, 2013

95. Petros M. Sakkas, Dimitra G. Kanellopoulou, Georgia Sourkouni and Christos Argiris, "*Preparation of Catalytically Active Anodic Materials for SOFC Applications via Ultrasonication*", presented at the 1st Asia-Oceania Sonochemical Society Meeting in Melbourne, 2013
96. V. Sadykov, E. Sadovskaya, A. Bobin, T. Kharlamova, N. Uvarov, A. Ulikhin, Ch. Argiris, G. Sourkouni, V. Stathopoulos, "*TEMPERATURE-PROGRAMMED C18O2 SSITKA FOR POWDERS OF FAST OXIDE -ION CONDUCTORS: ESTIMATION OF OXYGEN SELF-DIFFUSION COEFFICIENTS*", to be presented in 11th International Symposium on Systems with Fast Ionic Transport June 25–29, 2014, Gdańsk-Sobieszewo, Poland
97. A. Poulia, P.M. Sakkas, D.G. Kanellopoulou, G. Sourkouni and Chr. Argiris, "*Sonochemical synthesis of metallic Cu and Ni(OH)₂ particles and their decoration on ceramic substrates*", oral presentation in 14th European Society of Sonochemistry Conference in Avignon, France
98. Stucchi M., Bianchi C.L., Pirola C., Argiris C., Sourkouni G., Sakkas P.M., Kanellopoulou D., Cerrato G., Morandi S.: "*Surface Decorated Photocatalytic TiO₂: A Sonochemical Method To Improve Its Activity*", oral presentation in 14th European Society of Sonochemistry Conference in Avignon, France
99. I.S. Tseroni, P.M. Sakkas, D. Kanellopoulou, G. Sourkouni, Chr. Argiris, "*Sonochemical Synthesis Of Tungsten Oxide Nanoparticles For Decoration Of SOFC Anode Powders*", poster presentation in 14th European Society of Sonochemistry Conference in Avignon, France
100. P. Pandis, D. Kanellopoulou, T. Dimou, G. Sourkouni, Chr. Argiris, "*Preparation of Mg-doped hexaaluminates sonochemically assisted co-precipitation*", poster presentation in 14th European Society of Sonochemistry Conference in Avignon, France
101. Stucchi M., Bianchi C.L., Pirola C., Argiris Chr., Sourkouni G., Sakkas P.M., Kanellopoulou D., Cerrato G., Morandi S., V. Capucci, "*Surface Decoration Of Photocatalytic TiO₂ With Metal Nanoparticles By Means Of High-energy Ultrasound To Improve Its Photocatalytic Activity*", oral presentation in SPEA 8 Conference, 2014, Thessaloniki, Greece
102. Truls Norby, Ragnar Strandbakke, Vladimir Cherepanov, Andrey Zuev, Christos Argiris, "*Model and methodology for investigation of oxygen electrodes on BaZr_{0.7}Ce_{0.2}Y_{0.1}O₃ (BZCY) electrolytes*", Solid State Protonic Conductors 17, Korea Institute of Technology, Seoul, Korea, Sept. 14-19, 2014
103. Yaroslava Selenskikh, Georgia Sourkouni, and Christos Argiris, "*Electrophoretic Deposition of Thermal Barrier Coatings*", Fifth International Conference on Electrophoretic Deposition: Fundamentals and Applications (EPD 2014) held on 5th–10th October 2014 in Hernstein, Austria
104. C.L. Bianchi, M. Stucchi, G. Cerrato, Chr. Argiris, V. Capucci, "*Photocatalytic Active tiles: a confirmed industrial reality facing a new challenge with LED lighting*" SETAC Europe 25th annual meeting, Barcelona, 2015
105. Christos Argiris, Sivakumar Pasupathi, Petros M. Sakkas, Dionisis Karoussos, Konstantinos Desdenakis, Georgia Sourkouni, Bruno G. Pollet, "*Sono-Electrochemical Preparation of Fuel Cell Electrocatalysts*", 2nd Asia Oceania Sonochemical Society Meeting, Kuala Lumpur, Malaysia, July 2015
106. Bruno G. Pollet, Sivakumar Pasupathi, Petros M. Sakkas, Christos Argiris, "*Sono-Electrochemically Produced Electrocatalysts for PEM Fuel Cells – A Study*", 2nd Asia Oceania Sonochemical Society Meeting, Kuala Lumpur, Malaysia, July 2015
107. Nefeli Papadopoulou-Fermeli, Christos Karperakis, Georgia Sourkouni, Christos Argiris, "*Preparation of Hybrid Materials for Photocatalytic Applications*", 2nd Asia Oceania Sonochemical Society Meeting, Kuala Lumpur, Malaysia, July 2015
108. M. Stucchi, C. Bianchi, C. Pirola, G. Cerrato, S. Morandi, C. Argiris, G. Sourkouni, A. Naldoni, S. Vitalia V. Capucci, "*Copper NPs decorated titania to improve the photoactivity under visible light: A novel synthesis method by high energy ultrasound*", 4th European Conference on Environmental Applications of Advanced Oxidation Processes – EAAOP4 –Athens, Greece, October 21-24, 2015.
109. Hendrik Rahmann, Christian Sternemann, Karin Esch, Florian Wirkert, Holger Göhring, Sebastian Dahle, Wolfgang Maus-Friedrichs, Georgia Sourkouni, Metin Tolan and Christos Argiris, "*Thermal decomposition of sodium borohydride covered with polyethyleneimine*", Jahrestagung der DPG und DPG-Frühjahrestagung, 06. - 11. März 2016; Regensburg, Germany.
110. Christos Argiris, "*The role of ultrasound in electrochemical synthesis*", **Invited Keynote Lecture**, 15th Meeting of the European Society of Sonochemistry, 27.06-01.07.2016, Istanbul, Turkey

111. Christos Vaitsis, Andromachi Tzani, Anastasia Detsi, Georgia Sourkouni, Christos Argiris, „ *Ultrasound and/or microwave assisted preparation of metal organic frameworks*”, Poster presentation, 15th Meeting of the European Society of Sonochemistry, 27.06-01.07.2016, Istanbul, Turkey
112. Christos Argiris, "*Ultrasound assisted preparation of nanomaterials*", **Invited Keynote Lecture** in the World Summit on Nanotechnology and Nanomedicine Research (Nanomed-2016), Dubai, 28-29 November 2016
113. A. Tremouli, I. Karydogiannis, P. K. Pandis, K. Papadopoulou, Ch. Argiris, V.N. Stathopoulos, G. Lyberatos, Bioelectricity production from fermentable household waste extract using a single chamber microbial fuel cell, 2nd International Conference on Sustainable Energy and Resource Use in Food Chains, ICSEF 2018
114. Asimina Tremouli, Theofilos Kamperidis, Pavlos K. Pandis, Konstantina Papadopoulou, George Lytras, Christos Argiris, Gerasimos Lyberatos, "*Performance assessment of MFC units fed with digestate*", 8th European Fuel Cell Piero Lunghi Conference & Exhibition, 9-11 December 2019, Naples, Italy
115. Davellas Roland-Lampros, Vaitsis Christos, Sourkouni Georgia, Argiris Christos, "*STUDY OF PHOTOCATALYTIC AND PHOTO-FENTON DEGRADATION OF ORGANIC WATER POLLUTANTS IN THE PRESENCE OF ULTRASOUND*", OpenEARTH Conference on Climate Change Adaptation and Mitigation, Thessaloniki, 12-15.02.2020, Thessaloniki, Greece
116. Eirini Kanellou, Christos Vaitsis, Veronika Chantzakou, Pavlos K. Pandis, Georgia Sourkouni, Antonis A. Zorpas, Christos Argiris, "*PREPARATION, MODIFICATION AND CHARACTERIZATION OF COMPOSITES FOR PHOTOCATALYTIC WASTE WATER TREATMENT APPLICATIONS*", OpenEARTH Conference on Climate Change Adaptation and Mitigation, Thessaloniki, 12-15.02.2020, Thessaloniki, Greece
117. Pandis Pavlos, Bariamis Konstantinos, Vlachos Ilias, Sourkouni Georgia, Stathopoulos Vassilis, Argiris Christos, "*ACTIVATED CARBON CERAMIC SUPPORTED ELECTRODES FOR ENERGY GENERATION FROM A MUNICIPAL SOLID WASTE LANDFILL CONCENTRATED LECHATE*", OpenEARTH Conference on Climate Change Adaptation and Mitigation, Thessaloniki, 12-15.02.2020, Thessaloniki, Greece
118. Sourkouni Georgia, Pandis Pavlos, Philipp Moritz, Oliver Höfft, Charalampia Kalogirou, Vouyiouka Stamatina, Argiris Christos, "*PRE-TREATMENT PROCESSES FOR A BIO-BASED CIRCULAR ECONOMY FOR PLASTICS*", OpenEARTH Conference on Climate Change Adaptation and Mitigation, Thessaloniki, 12-15.02.2020, Thessaloniki, Greece
119. Tremouli, P. K. Pandis, T. Kamperidis, V. N. Stathopoulos, C. Argiris, I. Ieropoulos, G. Lyberatos, "Construction and size optimization of Microbial Fuel Cells for wastewater treatment", Protection and Restoration of the Environment (PREXV) Conference. July 7-10, 2020, Kalamata, Greece
120. C. Kalogirou, G. Sourkouni, E. Anagnostopoulos, A. Gödde, P. Moritz, P. Pandis, O. Höfft, Chr. Argiris, „*Surface properties of PLA after treatment with different advanced oxidation processes*”, 6th International Symposium on Surface Imaging/Spectroscopy at the Solid/Liquid Interface, 06 -09 June 2021 Krakow, Poland
121. Christos Argiris, G. Sourkouni, Ch. Kalogirou, A. Gödde, P. Pandis, "CAN ADVANCED OXIDATION PROCESSES ENABLE BIODEGRADATION OF PLASTICS BY SURFACE ACTIVATION?", 7th International Conference on Industrial & Hazardous Waste Management 27.-30.07.2021, Chania / Greece
122. P. Pandis, K. Bariamis, I. Vlachos, G. Sourkouni, V. Stathopoulos, Chr. Argiris, "PRODUCTION OF CATHODIC CERAMIC ELECTRODES FOR MICROBIAL FUEL CELLS FOR MUNICIPAL LANDFILL LECHATE TREATMENT", 7th International Conference on Industrial & Hazardous Waste Management 27.-30.07.2021, Chania / Greece
123. Vaitsis C, Kanellou E, Pandis P.K, Sourkouni G, Zorpas A, Argiris C. "*Green sonochemical route for the synthesis of MOFs for the electrochemical reduction of CO₂*", 17th International Conference on Environmental Science and Technology (CEST), 1-4 September 2021, Athens, Greece.
124. Vaitsis C, Kokkoris G, Kanellou E, Pandis P.K, Höfft O, Sourkouni G, Argiris C. "*Effects of synthesis conditions on the sonochemical preparation of Co-MOF-74*", 1st ESS-JSS-AOSS Joint Sonochemistry Conference, 8-10 November 2021, online.

125. Kanellou E, Vaitsis C, Pandis P.K, Sourkouni G, Zorpas A, Argirusis C. "Sonochemical synthesis of metal oxides, metal sulfides and their composites for the photocatalytic degradation of organic pollutants", 1st ESS-JSS-AOSS Joint Sonochemistry Conference, 8-10 November 2021, online.
126. Vagenas M., Plakantonaki N., Giannakopoulou T. , Todorova N. , Papailias I., Argirusis C. , Trapalis C. , "Electrochemical Performance of Porous Carbon , One-Dimensional Polypyrrole Electrodes for Water Desalination", European Materials Research Society (E-MRS), Spring Meeting 2022
127. G. Sourkouni, Ch. Kalogirou, N. Papadimitriou, M. Nenadovic, M. Ponjavic, N. Argirusis, P. Pandis, D. Rajasekaran, R. Padamati, A. Ferraro, J. Nikodinovic-Runic and Chr. Argirusis, „Plasma assisted bio-degradation of poly-lactic acid (PLA)", 10th International Conference on Sustainable Solid Waste Management, 21-24 June, 2023, Chania, Greece
128. N. Argirusis, G. Sourkouni, M. Argirusi, P. Pandis, and Chr. Argirusis, „Development of dielectric barrier discharge (DBD) atmospheric plasma reactors for degradation of gaseous, liquid and solid waste", Conference on Sustainable Solid Waste Management, 21-24 June, 2023, Chania, Greece
129. G. Sourkouni, M. Nenadovic, V. Jankovic, Ch. Kalogirou, O. Höfft, D. Rajasekaran, P. Pandis, R. Padamati, J. Nikodinovic-Runic, and Chr. Argirusis, "Valorization of degradation products stemming enzymatic and model-compost degradation of pre-treated PLA by advanced oxidation processes to bacterial nanocellulose", Conference on Sustainable Solid Waste Management, 21-24 June, 2023, Chania, Greece
- 130.