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- O27. Effect of alloys modified by sodium borohydride alkaline solutions on the kinetics of hydrogen evolution reaction at 2009

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- O29. Electrocatalytic performance of Pt-RE (RE = Rare Earth) electrodes for hydrogen evolution in alkaline water electrolysis 2010
DMF Santos, CAC Sequeira, D Macciò, A Saccone, JL Figueiredo
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- O30. Direct borohydride/hydrogen peroxide fuel cell 2011
PG Saturnino, DMF Santos, CAC Sequeira, RFM Lobo
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- O31. Optimisation of NaBH₄/H₂O₂ fuel cells using Prussian Blue cathodes 2011
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- O32. Investigation of carbon supported Pt and Pt alloys electrocatalysts for hydrogen peroxide electroreduction in acid solution 2011

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- O34. Rotating disc electrode study of the borohydride oxidation at Pt electrocatalysts 2013
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- O35. Nickel-cerium alloys for borohydride oxidation 2013
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- O37. Investigation of nickel-rare earth electrodes for sodium borohydride electrooxidation 2014
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- O38. La₂NiO₄ ceramic electrodes for hydrogen peroxide electroreduction 2014
DMF Santos, N Sousa, B Šljukic, CAC Sequeira, FML Figueiredo
226th Meeting of The Electrochemical Society, presentation 1240 of session on Electrolysis Systems, Moon Palace Resort, Cancun, Mexico, October 5-9
- O39. Novel electrocatalytic materials for direct borohydride fuel cells 2014
DMF Santos, B Šljukić, CAC Sequeira
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- O40. Nickel-rare earth (RE-Ce, Dy, Sm) electrodes for H₂O₂ reduction in direct borohydride fuel cells 2016
DMF Santos, DSP Cardoso, B Šljukić, CAC Sequeira, D Macció, A Saccone
229th Meeting of The Electrochemical Society, Symposium "Heterogeneous functional materials for energy conversion and storage" (presentation #105-1542), Hilton San Diego Bayfront, San Diego (CA), USA, May 29-June 2
- O41. Synthesis and electrochemical characterization of novel organoborohydride compounds 2016
DSP Cardoso, CAC Sequeira, CM Bateman, JE Barker, E Abbey, DMF Santos
229th Meeting of The Electrochemical Society, Symposium "Physical and analytical electrochemistry, electrocatalysis, and photoelectrochemistry general session" (presentation #L01-1647), Hilton San Diego Bayfront, San Diego (CA), USA, May 29-June 2
- O42. Transition metal oxides as electrode materials for lithium-ion battery 2016
B Šljukić, DMF Santos, CAC Sequeira
Materials for Energy Conversion, Serbian Academy of Science and Art, Belgrade, Serbia, September 27
- O43. Electrochemistry of hydrogen evolution in RTILs mixtures 2017
L Amaral, DSP Cardoso, B Šljukić, DMF Santos, CAC Sequeira
MATERIAIS 2017 - XVIII Congresso da Sociedade Portuguesa dos Materiais, VIII International Symposium on Materials, Aveiro, Portugal, April 9-12

PUBLICATIONS OF DR. CÉSAR SEQUEIRA

- O44. Palladium-nickel on tin oxide-carbon composite supports for electrocatalytic hydrogen evolution 2018
LASB Cardoso, B Šljukić, E Kayhan, T Şener, CAC Sequeira, DMF Santos
CarboCat VIII - 8th International Symposium on Carbon for Catalysis, Porto, Portugal, June 26-29
- O45. Lowering the cost of catalysts for electrochemical energy conversion devices 2018
DMF Santos, B Šljukić, L Amaral, CAC Sequeira
CIÊNCIA'18 - Encontro com a Ciência e Tecnologia Portugal, Centro de Congressos de Lisboa, Lisbon, Portugal, July 2-4
- O46. Bromide-based ionic liquids for water electrolysis 2018
L Amaral, J Minkiewicz, B Šljukić, DMF Santos, CAC Sequeira, M Vraneš, S Gadžurić
AiMES 2018 - Americas International Meeting on Electrochemistry and Solid State Science, Polymer Electrolyte Fuel Cells and Electrolyzers 18 (PEFC&E 18) - Polymer-Electrolyte Electrolysis (presentation #I01F-1619), Moon Palace Hotel, Cancun, Mexico, September 30 - October 4
- O47. Pd-impregnated X zeolite as anode electrocatalyst for direct borohydride-peroxide fuel cells 2019
M Vasić, RCP Oliveira, DMF Santos, R Hercigonja, CAC Sequeira, B Šljukić
Young Researchers Conference 2019 - YOURS, Belgrade, Serbia, March 26
- O48. Towards the hydrogen economy: tailoring electrode materials and electrolytes for efficient water electrolysis 2019

PUBLICATIONS OF DR. CÉSAR SEQUEIRA

DMF Santos, B Šljukić, L Amaral, CAC Sequeira

CIÊNCIA'19 - Encontro com a Ciência e Tecnologia em Portugal, Centro de Congressos de Lisboa, Lisbon, Portugal, July 8-10

- O49. Trimetallic carbon-supported catalysts for borohydride oxidation in alkaline solution 2019
G Backovic, AM Elsheikh, RCP Oliveira, CAC Sequeira, J McGregor, B Šljukić, DMF Santos
ECEE 2019 - Electrochemical Conference on Energy and the Environment: Bioelectrochemistry and Energy Storage, Glasgow, Scotland, July 21-26

7. POSTER COMUNICATIONS

- P1. Ring-disc studies of oxygen reduction at lanthanum calcium manganate in alkaline medium 2005
CAC Sequeira, DMF Santos, W Baptista
DSL-2005, 1st International Conference on Diffusion in Solids and Liquids, University of Aveiro, Aveiro, Portugal, July 6-8
- P2. Effects of temperature on the performance of the $MmNi_{3.6}Co_{0.7}Mn_{0.4}Al_{0.3}$ metal hydride electrode in alkaline solution 2005
CAC Sequeira, Y Chen, DMF Santos, JIP Martins
Materiais 2005 - XII Portuguese Materials Society Meeting, III International Materials Symposium, University of Aveiro, Aveiro, Portugal, March 20- 23

PUBLICATIONS OF DR. CÉSAR SEQUEIRA

- P3. Synthesis of sodium borohydride in alkaline medium and its relevance to energy systems 2005
DMF Santos, JLD Alves, S Gama, TCD Pardal, CAC Sequeira
Materiais 2005 - XII Portuguese Materials Society Meeting, III International Materials Symposium, University of Aveiro, Aveiro, Portugal, March 20-23
- P4. Mediated and non-mediated electrochemical oxidation of isopropanol 2005
CAC Sequeira, DMF Santos, PSD Brito
CIIEM - 1st International Congress of Energy and Environment Engineering and Management, Escola Superior de Tecnologia e Gestão, Instituto Politécnico de Portalegre, Portalegre, Portugal, May 18-20
- P5. Células de combustível baseadas nos gases obtidos na fermentação, gaseificação ou pirólise de resíduos carbonáceos 2005
PSD Brito, AF Mota, JL Carvalho, LFFTTG Rodrigues, DMF Santos, DB Barrio, DM Justo, CAC Sequeira
CIIEM - 1st International Congress of Energy and Environment Engineering and Management, Escola Superior de Tecnologia e Gestão, Instituto Politécnico de Portalegre, Portalegre, Portugal, May 18-20
- P6. Effect of sodium borohydride on the hydrogen diffusion in $\text{MmNi}_{3.6}\text{Mn}_{0.4}\text{Al}_{0.3}\text{Co}_{0.7}$ hydride electrode 2007
CAC Sequeira, Y Chen, DMF Santos
DSL-2007 - 3rd International Conference on Diffusion in Solids and Liquids, Alvor, Algarve, Portugal, July 4-6
- P7. On the features of ultramicroelectrodes 2007

PUBLICATIONS OF DR. CÉSAR SEQUEIRA

DMF Santos, RFM Lobo, CAC Sequeira

DSL-2007 - 17 3rd International Conference on Diffusion in Solids and Liquids, Alvor, Algarve, Portugal, July 4-6

- P8. Electrochemical studies on the phenol oxidation in alkaline medium 2007
CAC Sequeira, DMF Santos, RFM Lobo
CIEM 2007 - 2nd International Congress of Energy and Environment Engineering and Management, HC Badajoz Center Hotel, Badajoz, Spain, June 6-8
- P9. Nickel coated electrodes for oxygen evolution in alkaline solution 2007
CAC Sequeira, DMF Santos, E Cameron, PSD Brito
CIEM2007 - 2nd International Congress of Energy and Environment Engineering and Management, HC Badajoz Center Hotel, Badajoz, Spain, June 6-8
- P10. Reactively deposited cobalt electrodes for hydrogen evolution in alkaline solution 2007
CAC Sequeira, DMF Santos, JR Sousa, PSD Brito
CIEM 2007 - 2nd International Congress of Energy and Environment Engineering and Management, HC Badajoz Center Hotel, Badajoz, Spain, June 6-8

PUBLICATIONS OF DR. CÉSAR SEQUEIRA

- P11. Potentiometric monitoring of sodium borohydride in aqueous solutions 2007
DMF Santos, CAC Sequeira
Materiais 2007, XII Conference of the Portuguese Materials Society, IV International Materials Symposium, Faculdade de Engenharia da Universidade do Porto, Porto, Portugal, April 1-4
- P12. SRET visualisation of pyrite corrosion and its inhibition in aerated solution 2007
LPS Araújo, DMF Santos, CAC Sequeira
Materiais 2007, XIII Conference of the Portuguese Materials Society, IV International Materials Symposium, Faculdade de Engenharia da Universidade do Porto, Porto, Portugal, April 1-4
- P13. Monitoring of concrete electrochemical chloride removal (ECR) 2007
P Brito, L Rodrigues, R Pires, M Cunha, CAC Sequeira, DMF Santos
poster K2, EUROCORR 2007, Freiburg im Breisgau, Germany, September 9-13
- P14. Corrosion behaviour of Zn electrodeposits from spent Zn-MnO₂ batteries 2007
P Brito, L Rodrigues, A Oliveira, CAC Sequeira, DMF Santos
poster E5, EUROCORR 2007, Freiburg im Breisgau, Germany, 2007 September 9-13
- P15. Anodic polarisation characterisation of absorbed hydrogen in modified Mm(B₅)_x alloys 2008

PUBLICATIONS OF DR. CÉSAR SEQUEIRA

DMF Santos, Y Chen, CAC Sequeira

DSL-2008-4th International Conference on Diffusion in Solids and Liquids, Hotel Meliá Barcelona, Barcelona, Spain, July 9-11

- P16. Current-voltage measurements on indium phosphide Schottky diodes 2008
CAC Sequeira, DMF Santos
DSL-2008-4th International Conference on Diffusion in Solids and Liquids, Hotel Meliá Barcelona, Barcelona, Spain, July 9-11
- P17. Diffusion-controlled processes in nuclear reactor oxide systems 2008
CAC Sequeira, DMF Santos
DSL-2008 - 4th International Conference on Diffusion in Solids and Liquids, Hotel Meliá Barcelona, Barcelona, Spain, July 9-11
- P18. The mechanism of oxide film formation on AISI 316 stainless steel in sulphate solutions 2008
CAC Sequeira, DMF Santos, JR Sousa, PSD Brito
PRIME 2008, Pacific Rim Meeting on Electrochemical 2008 and Solid-State Science, 214th Meeting of The Electrochemical Society, Hilton Hawaiian Village, Honolulu (HI), USA, October 12-17

PUBLICATIONS OF DR. CÉSAR SEQUEIRA

- P19. Electrocatalytic performances of Fe-P and modified Fe-P deposited materials as hydrogen electrodes in alkaline water electrolysis 2009
CAC Sequeira, JR Sousa, DMF Santos, PSD Brito
HYPOTHESIS VIII- Hydrogen Power Theoretical and Engineering Solutions International Symposium, Hotel Corinthia, Lisbon, Portugal, April 1-3
- P20. Development of a mischmetal-based hydrogen storage alloy electrode as a fuel cell anode catalyst 2009
Y Chen, DMF Santos, CAC Sequeira, RFM Lobo
HYPOTHESIS VIII - Hydrogen Power Theoretical and Engineering Solutions International Symposium, Hotel Corinthia, Lisbon, Portugal, April 1-3
- P21. Polymeric membranes for direct borohydride fuel cells: a comparative study 2009
DMF Santos, CAC Sequeira
216th Meeting of The Electrochemical Society, Austria Center Vienna, Vienna, Austria, October 4-9
- P22. Metal hydrides for hydrogen storage and distribution 2010
DMF Santos, Y Chen, CAC Sequeira
Hydrogen, Energy and Sustainability - Advances in Fuel Cells and Hydrogen Workshop, 3rd International Seminar of Torres Vedras, Expo Torres, Torres Vedras, Portugal, April 29-30

PUBLICATIONS OF DR. CÉSAR SEQUEIRA

- P23. Effect of operational parameters on the performance of direct borohydride / hydrogen peroxide fuel cells 2010
DMF Santos, PG Saturnino, CAC Sequeira
61st Annual Meeting of the International Society of Electrochemistry, Acropolis Convention Centre, Nice, France, 26 September-1 October
- P24. Cation diffusivity in nonstoichiometric tungsten trioxide films 2011
CAC Sequeira, LFFTTG Rodrigues, ALN Morais, DMF Santos,
9th ESEE- 9th European Symposium on Electrochemical Engineering, Panorama Hotel, Chania, Crete, Greece, June 19-23
- P25. Pt-based alloys for borohydride oxidation 2011
DMF Santos, PG Saturnino, D Macciò, A Saccone, CAC Sequeira
9th ESEE- 9th European Symposium on Electrochemical Engineering, Panorama Hotel, Chania, Crete, Greece, June 19-23
- P26. Platinum-rare earth electrodes for hydrogen production 2011
DMF Santos, CAC Sequeira, D Macciò, A Saccone, JL Figueiredo
9th ESEE- 9th European Symposium on Electrochemical Engineering, Panorama Hotel, Chania, Crete, Greece, June 19-23
- P27. Pt-Dy cathode electrocatalysts for alkaline water electrolysis 2012

PUBLICATIONS OF DR. CÉSAR SEQUEIRA

DMF Santos, B Šljukić, CAC Sequeira, D Macciò, A Saccone, JL Figueiredo

Zing Electrochemistry Conference 2012. Hesperia Lanzarote Hotel, Puerto Calero, Lanzarote, Spain, February 8-11

- P28. Alternative, non-Pt electrocatalysts for O₂ reduction 2012
B Šljukić, J. Milikie, DMF Santos, CAC Sequeira
poster E-8-P, Physical Chemistry 2012, 11th International Conference on Fundamental and Applied Aspects of Physical Chemistry, University of Belgrade, Belgrade, Serbia September 24-28
- P29. Carbon nanotube-supported Mo₂C electrocatalysts for hydrogen production from water electrolysis 2013
DMF Santos, B Šljukić, L Amaral, RP Rocha, CAC Sequeira, L Figueiredo
HYCELTEC 2013 – IV Iberian Symposium on Hydrogen, Fuel Cells and Advanced Batteries, poster PP50, Estoril Congress Center, Estoril, Portugal, June 26-28
- P30. Optimising the cathode performance of alkaline electrolyzers: Effect of temperature and electrolyte concentration 2013
L Amaral, DMF Santos, B Šljukić, CAC Sequeira
HYCELTEC 2013 - IV Iberian Symposium on Hydrogen, Fuel Cells and Advanced Batteries, poster PP 46, Estoril Congress Center, Estoril, Portugal, June 26-2

PUBLICATIONS OF DR. CÉSAR SEQUEIRA

- P31. Nickel-cerium electrodes for hydrogen evolution in alkaline water electrolysis 2013
DMF Santos, B Šljukić, L Amaral, D Macciò, A Saccone, CAC Sequeira
224th Meeting of The Electrochemical Society, poster 749 of Electrofuel Poster Session (also presented in the Electrochemical Energy Summit). The Hilton San Francisco Hotel, San Francisco (CA), USA, October 27- November 1
- P32. Mo₂ C electrocatalysts for hydrogen evolution: effect of carbon-support 2014
B Šljukić, DMF Santos, L Amaral, RP Rocha, CAC Sequeira, JL Figueiredo
EHEC 2014 European Hydrogen Energy Conference, P-199, Hotel Meliá Sevilla. Seville, Spain, March 12-14
- P33. Palladium-based electrocatalysts for direct borohydride fuel cells 2014
B Šljukić, J Milikić DMF Santos, CAC Sequeira
EHEC 2014 European Hydrogen Energy Conference, P-184, Hotel Meliá Sevilla, Seville, Spain, March 12-14
- P34. Transition metal foam electrocatalysts for hydrogen evolution reaction 2014
DMF Santos, S Eugénio, CAC Sequeira, MF Montemor
226th Meeting of The Electrochemical Society, poster 833 of Electrodeposition for Energy Applications Poster Session, Moon Palace Resort, Cancun, Mexico, October 5-9

PUBLICATIONS OF DR. CÉSAR SEQUEIRA

- P35. Pt-Ni decorated metal oxide electrodes for borohydride fuel cells 2016
M Martins, B Šljukić, CAC Sequeira, GSP Soylu, A Bayrakceken Yurtcan, G Bozkurt, T Sener, DMF Santos
229th Meeting of The Electrochemical Society, Symposium "Heterogeneous functional materials for energy conversion and storage" (poster #I05-1570), Sand Diego (CA), USA, May 29-June 2
- P36. Effect of RTILs on the hydrogen evolution reaction in alkaline media 2016
L Amaral, DSP Cardoso, B Šljukić, DMF Santos, CAC Sequeira
229th Meeting of The Electrochemical Society, Symposium "Hydrogen and oxygen evolution catalysis of water electrolysis 2" (poster #I03-1450), San Diego Convention Center, San Diego (CA), USA, May 29-June 2
- P37. Hydrogen evolution reaction at rGO-supported PdAu and PdFe alloys 2017
JASB Cardoso, DSP Cardoso, L Amaral, Ö Metin, M Sevim, T Sener, CAC Sequeira, DMF Santos
MATERIAIS 2017 - XVIII Congresso da Sociedade Portuguesa dos Materiais, VIII International Symposium on Materials (poster A3-11), Aveiro, Portugal, April 9-12
- P38. Platinum-free electrocatalysts for borohydride fuel cells 2017
M Martins, B Šljukić, CAC Sequeira, E Kayan, T Şener, and DMF Santos
HYCELTEC 2017 - VI Symposium on Hydrogen, Fuel Cells and Advanced 2017 Batteries, Casa Diocesana, Porto, Portugal, June 19-23

PUBLICATIONS OF DR. CÉSAR SEQUEIRA

- P39. Studies of hydrogen peroxide for theragnostic medicine using carbon-supported materials 2018
CAC Sequeira, RCP Oliveira, A Balčiūnaitė, W Gouveia, L Amaral, B Šljukić, DMF Santos
CarboCat VIII 8th International Symposium on Carbon for Catalysis, Porto, Portugal, June 26-29
- P40. Mesoporous graphitic carbon nitride as metal nanoparticle support for design of novel electrocatalysts 2018
RCP Oliveira, M Sevim, B Šljukić, CAC Sequeira, Ö Metin, DMF Santos
CarboCat VII - 8th International Symposium on Carbon for Catalysis, Porto, Portugal, June 26-29
- P41. Ionic liquids with dicyanamide anion as potential electrolyte additives for alkaline water electrolysis 2019
B Šljukić, JAB Tutsch, L Amaral, DMF Santos, CAC Sequeira, M Vraneš, S Gadžuric
New electrochemical processes for energy and the environment-25th Topical Meeting of the International Society of Electrochemistry, Toledo, Spain, May 12-1

PUBLICATIONS OF DR. CÉSAR SEQUEIRA