**List of Publications**

**Fabio BELLOT NORONHA**

**April 2023**

**Scientific Production**

198 papers

H index = 55 (9074 citations; Scopus; 18/04/2023)

2 Books

4 Chapters of books

3 Patents

366 National and international conferences presentations

**Refereed publications**

**2023**

198- Raphaela Azevedo, Fabio Bellot Noronha, Eric Marceau, Robert Wojcieszak, Conversion of dimeric diaryl ethers over SiO2- and HZSM5-supported Pd and Ru catalysts: a focus on the role of the metal and acidity, just accepted Catalysts, 2023.

197- Leticia F. Sosa, Priscilla M. de Souza, Raphaela A. Rafael, Robert Wojcieszak, Valérie Briois, Lucas R. Francisco, Raimundo C. Rabelo-Neto, Eric Marceau, Sébastien Paul, Fabio S. Toniolo, **Fabio B. Noronha**,

Study of the performance of SiO2-supported Mo2C and metal-promoted Mo2C catalysts for the hydrodeoxygenation of *m*-cresol, Applied Catalysis B: Environmental 331 (2023) 122720.

196- Camila A. Teles, Lucas R. Francisco,Vinicius O. O. Gonçalves, **Fábio B. Noronha**, Frédéric Richard,

Effect of the support (silica vs niobia) and the pressure (atmospheric vs high pressure) on the catalytic performance of Pd based catalysts for the Hydrodeoxygenation of m-Cresol, Catalysis Letters 2023, <https://doi.org/10.1007/s10562-022-04171-4>

195- Leandro Alves de Souza, Priscilla Magalhães de Souza, Gleicielle Tozzi Wurzler, Victor Teixeira da Silva, Débora A. Azevedo, Robert Wojcieszak, **Fabio Bellot Noronha**

Reductive Catalytic Fractionation of Lignocellulosic Biomass: Unveiling of the Reaction Mechanism**,** ACS Sustainable Chem. Eng., 11 (2023) 67 – 77.

**2022**

194- RABELO NETO, R. C.; ALMEIDA, M. P.; SILVEIRA, E. B.; AYALA, M.; WATSON, C. D.; VILLARREAL, J.; CRONAUER, D. C.; KROPF, J.; MARTINELLI, M.; **Noronha, F.B.**; JACOBS, G.

CO2 hydrogenation: Selectivity control of CO versus CH4 achieved using Na doping over Ru/m-ZrO2 at low pressure. APPLIED CATALYSIS B-ENVIRONMENTAL, 315 (2022) 121533.

193- MARINHO, A. L. A.; RABELO-NETO, RAIMUNDO C.; EPRON, F.; TONIOLO, F. S.; **Noronha, F.B.**; BION, N.

Effect of metal dopant on the performance of Ni@CeMeO2 em-bedded catalysts (Me = Gd, Sm and Zr) for dry reforming of methane. Methane, 1 (2022) 300 - 319.

192- SOUZA, P. M.; SOUSA, L. A.; **Noronha, F.B.**; WOJCIESZAK, R.

Dehydration of levoglucosan to levoglucosenone over solid acid catalysts. Tuning the product distribution by changing the acid properties of the catalysts. Molecular Catalysis, 529 (2022) 112564.

191- TELES, C. A.; DUONG, N.; RABELO NETO, R. C.; Resasco, D.E.; **Noronha, F.B.**

Evidence of dependence between the deoxygenation activity and metal-support interface. Catalysis Science & Technology, 12 (2022) 5961 - 5969.

190- TELES, C. A.; CIOTONEA, C.; GOMES, N.; GONCALVES, V. O.O.; UNGUREANU, A.; CATRINESCU, C.; MARINOVA, M.; CLACENS, J.; ROYER, S.; **Noronha, F.B.**; RICHARD, F.

Hydrodeoxygenation of m-cresol over Pd/Al-SBA-15 catalysts: effect of Al content on the deoxygenation reaction pathways. APPLIED CATALYSIS A-GENERAL, 641 (2022) 118686.

189- ARAQUE-MARIN, M.; **Noronha, F.B.**; CAPRON, M.; DUMEIGNIL, F.; FRIEND, M.; HEUSON, E.; ITABAIANA JR, I.; JALOWIECKI-DUHAMEL, L.; KATRYNIOK, B.; LOFBERG, A.; PAUL, S.; WOJCIESZAK, R.

Strengthening the connection between science, society and environment to develop future French and European bioeconomies: cutting-edge research in VAALBIO team at UCCS. MOLECULES, 27 (2022) 3889\_1 - 3889\_32.

188. AZEVEDO, I. R.; SILVA, A. A.; YUTAO, X. T.; RABELO NETO, R. C.; LUCHTERS, N. T.; FLETCHER, J. C.; **Noronha, F.B.**; MATTOS, L. V.

Long-term stability of Pt/Ce0.8Me0.2O2/Al2O3 (Me = Gd, Nb, Pr, and Zr) catalysts for Steam Reforming of Methane. INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 47 (2022) 15624 – 15640.

187. TELES, C. A.; SOUZA, P. M.; RABELO-NETO, R.C.; TERAN, A.; JACOBS, G.; VILELA, C.; MAGRIOTIS, Z. M.; GONCALVES, V. O.O.; Resasco, D.E.; **NORONHA, F.B.**

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186. FONSECA, R. O.; PONSEGGI, A. R.; RABELO NETO, R. C.; COLMAN, R. C.; MATTOS, L. V.; **NORONHA, F.B.**

Controlling carbon formation over Ni/CeO2 catalyst for dry reforming of CH4 by tuning Ni crystallite size and oxygen vacancies of the support. Journal of CO2 Utilization, 57 (2022) 101880.

185. WURZLER, G. T.; V.T.Silva; AZEVEDO, D. A.; SILVA, A. S.; **NORONHA, F. B.**

Integrating bio-oil and carbohydrate valorization on the fractionation of sugarcane bagasse via Organosolv process using Mo2C-based catalysts. FUEL PROCESSING TECHNOLOGY, 230 (2022) 107208.

184. FERREIRAC, R. A. R.; AVILA, C. N.; **NORONHA, F.B.**; HORI, C. E.

Effects of nickel loading on the performance of Ni/MgAl2O4 catalysts for LPG steam reforming. CHEMICAL ENGINEERING COMMUNICATIONS, 209 (2022) 256-270.

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183. INOCENCIO, C. V. M.; SOUZA, P. M.; RABELO NETO, R. C.; TEIXEIRA, V. L. S.; **NORONHA, F. B.**

A systematic study of the synthesis of transition metal phosphides and their activity for hydrodeoxygenation of phenol. CATALYSIS TODAY, 381 (2021) 133.

182. MOURA, L. G.; **NORONHA, F. B.**; HORI, C. E.

Steam reforming of liquefied petroleum gas using catalysts supported on ceria-silica. INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 46 (2021) 1801.

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The role of the ceria dopant on Ni / doped-ceria anodic layer cermets for direct ethanol solid oxide fuel cell. INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 46 (2021) 4309.

180. BORGES, R. P.; MOURA, L. G.; KANITKAR, S.; SPIVEY, J. J.; **NORONHA, F. B.**; HORI, C. E.,

Hydrogen production by steam reforming of propane using supported nickel over ceria-silica catalysts. CATALYSIS TODAY, 381 (2021) 3.

179. KOURTELESIS, M.; MORAES, T. S.; MATTOS, L. V.; NIAKOLAS, D. K.; VERYKIOS, X.; **NORONHA, F. B.**

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175. MARINHO, A. L. A.; RABELO NETO, R. C.; EPRON, F.; BION, N.; **NORONHA, F.B.**; TONIOLO, F. S.

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160. RESENDE, K.A.; BRAGA, A. H.; **NORONHA, F. B.**; HORI, C. E.

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