

Seyed Schwan Hosseiny – CV

Education

2007-2011 Ph.D. Chemical Engineering (Electrochemistry) at University of Twente, Ensched/The Netherlands”, Development of a Vanadium/Air Redox Flow Battery”

2006-2007 M.Sc. Chemical Engineering (Applied Chemistry) at University of Applied Sciences, Munster/Germany, “Extraction, Purification and Analysis of Oleanolic/Ursolic Acid from Salvia Triloba

Work experience

October 2020 – Present Co-founder PaleoPal

January 2018 – Present Co-founder & CEO CENmat

September 2016 – Present Project leader – German Aerospace Center (LOTER.CO2M, ECO2Fuel, H2DeNOx)

Patents

2020 Cutting-Edge Nanomaterials (CENmat); Verfahren zur Herstellung eines Elektrokatalysators, Elektrokatalysator, Elektrode für eine elektrochemische Zelle, Ionenaustauschmembran, Verfahren zum Herstellen einer Ionenaustauschmembran, Wasserelektrolyseur und Verfahren zum Herstellen eines Wasserelektrolyseurs; Pending

2019 S.S. Hosseiny, A. Gago Rodriguez, Jens Mittel; Elektrolyseur und Verfahren zum Aufspalten von Wasser; DE102019104401

2018 S.S. Hosseiny, A. Gago Rodriguez, Jens Mittel; Electro-chemical reactor and method for generating ammonia and hydrogen from a urea solution via electrolysis; DE102018111275A

2018 S.S. Hosseiny, A. Gago Rodriguez, Jens Mittel; Elektrochemischer Reaktor und Verfahren zum Umwandeln von chemischer Reaktionsenergie in elektrische Energie; DE102019104402A

2017 S. S. Hosseiny, T. di Nardo, L. Komsiyaska; electrophoretic membrane modification with iridium oxide as the catalyst; DE102017114030A

2017 Schwan Hosseiny Seyed, P. Lettenmeier, A. Gago Rodriguez, K. A. Friedrich; System und Verfahren zur Abgasbehandlung von Verbrennungsvorrichtungen; DE102017106757A

2015 S.S. Hosseiny, P. Lettenmeier, A. Gago Rodriguez, K. A. Friedrich; Elektrochemische Zelle, Elektrode und Elektrokatalysator für eine elektrochemische Zelle; DE202015106071U

2014 S.S. Hosseiny, L. Wang, K. Biermann, A. Gago Rodriguez, K. A. Friedrich; Entwicklung eines Nanokatalysators für die Anode in einem PEM Elektrolyseur (Development of a nano-catalyst for the anode of PEM electrolyzers); Patent filed (Document Ref.#2014120118014900DE)

2013 S.S. Hosseiny, Geraldine Merle, Rolf Wuethrich; Method for coating surfaces with particles (PCT/CA2014/050731)

2013 S.S. Hosseiny, Andrew Morrison, Rolf Wuethrich; One-step synthesis of highly efficient stabilized α -Ni(OH)₂ and α -Ni(OH)₂/Ni coatings; Provisional patent application (Electronic Filing System at USPTO 18955160)

2011 S.S. Hosseiny, Michel Saakes, Matthias Wessling; Electro-catalyst (WO2012015296)

Awards and Fellowships

2004 ERASMUS Outgoings – Scholarship at the University of Cardiff, UK (Synthesis and characterization of air-sensitive organophosphorus compounds)

2012 Foreign Affairs and International Trade Canada/Canadian Bureau for International Education Post-doctoral Fellowship