

Herman Terryn

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Part time Professor Corrosion Technology and Electrochemistry, Department of Materials Science and Engineering, TU-Delft, The Netherlands,
Part time professor Université Libre de Bruxelles, Faculté de Science, Belgium
Chairman of the Department Materials and Chemistry VUB

Important Scientific activities

Chairman of the board Research Council Faculty of Engineering-VUB
President Research Group of Materials and Surface Science and Engineering University of Ghent-VUB
Chairman of the Cluster "Durability of Materials"Materials To Innovation=M2i The Netherlands www.m2i.nl
Member of the Board of SIM "Strategic Initiative Materials" Flanders
Member Flemish Research Council FWO Board Commission "Chemical Engineering, Material Sciences"
Member French Research Council FNRS Board Commission "Chemistry"
Member Scientific Advisory Board Max Planck MPIE Dusseldorf, Germany
Member Scientific Advisory Board University of Mons,Belgium

Scientific Output.

385 web of science papers,h-factor 34 topics: surface science, surface treatments, nano surface layers, electrochemistry, corrosion and protection

Supervisor of **44 defended Ph.D's, on going 19 Ph.d's**

Plenary & keynote lectures at important conferences: ECASIA, EUROCORR, ISE, Electrochemical Society Meetings, Passivity Meeting, Corrosion NACE, EMCR,ASST, Metallurgy

Founder and Editor Proceedings Symposium Aluminium Surface Science and Technologies

Alumatter Leonardo Da Vinci Program Surface Treatments and Corrosion of aluminium Leonardo Da Vinci Helsinki Award 2006

Methusalem Grant holder 7 year (2011-2018) personal top research project Flemish Government

'Design and Prediction of Nanostructured Metal Surfaces' (NANOMET) 3,5 M Euro.

Winner of the Eu-Award European Federation of Corrosion 2014, Pisa Italy

Belgian Chair Francqui UAntwerpen: Durability of Materials 2016.

5 important papers in different topics

1. The role of crystal diversity in understanding mass transfer in nanoporous materials Nature Materials, doi:10.1038/nmat4510, Julien Cousin Saint Remi,Alexander Lauerer, Christian Chmelik,Isabelle Vandendael,, Herman Terryn, Gino V. Baron,Joeri F. M. Denayer, Jörg Kärger, Impact factor: 36.54, citations:12
2. Formation of a cerium-based conversion coating on AA 2024: relationship with the microstructure, Surface & Coatings Technology, Volume: 176, pp: 365 - 681, 2004, Campestrini P., Terryn H., Hovestad A., de Wit J. Impact factor: 2.199, Citations: 170.
3. A generalized electrochemical aggregative growth mechanism, Journal of the American Chemical Society, Volume: 135, N° in volume: 31, pp: 11550 - 11561, 2013, Ustarroz J., Hammons J., Altantzis T., Hubin A., Bals S., Terryn H. Impact factor: 11.444, Citations: 32.
4. Acid-base characterization of aluminum oxide surfaces with XPS, Journal of Physical Chemistry B, Volume: 108, pp: 6017 - 6024, 2004, Van Den Brand J., Snijders P., Sloof W., Terryn H., de Wit J. Impact factor: 3.696, Citations: 75.
5. In situ scanning tunneling microscopy study of the intergranular corrosion of copper, Electrochemistry Communications, Volume: 41, pp: 1 - 4, 2014, Martinez Lombardia E., Lapeire L., Maurice V., De Graeve I., Verbeke K., Klein L., Kestens L., Marcus P., Terryn H. Impact factor: 4.885, Citations: 10.