Publications 2022

Anna Bajorek, BogumiBa Szostak, Mateusz Dulski, Jean-Marc Greneche, Sabina LewiDska, Barbara Liszka, MirosBawa Pawlyta et Anna Zlawska-Waniewska
" A Comprehensive Study of Pristine and Calcined f-MWCNTs Functionalized by Nitrogen-Containing Functional Groups"
Materials 15 (**2022**) 977
DOI : 10.3390/ma15030977

Enzo Bertuit, Emilia Benassai, Guillaume Mériguet, Jean-Marc Greneche, Benoit Baptiste, Sophie Neveu, Claire Wilhelm et Ali Abou-Hassan
"Structure-Property-Function Relationships of Iron Oxide Multicore Nanoflowers in Magnetic Hyperthermia and Photothermia"
ACS Nano 16 (**2022**) 271-284
DOI : 10.1021/acsnano.1c06212

Lara K Bogart, Jeppe Fock, Geraldo M da Costa, Kerstin Witte, Jean-Marc Greneche, Jan Zukrowski, Marcin Sikora, Drew E Latta, Michelle M Scherer, Mikkel Fougt Hansen, Cathrine Frandsen et Quentin A Pankhurst
" Prenormative verification and validation of a protocol for measuring magnetite-maghemite ratios in magnetic nanoparticles"
Metrologia 59 (**2022**) 015001
DOI : 10.1088/1681-7575/ac36b6

Marvin Benzaqui, Mohammad Wahiduzzaman, Heng Zhao, Md Rafiul Hasan, Timothy Steenhaut, Ali Saad, Jérôme Marrot, Perine Normand, Jean-Marc Greneche, Nicolas Heymans, Guy de Weireld, Antoine Tissot, William E. Shepard, Yaroslav Filinchuk, Sophie Hermans, Florent Carn, Magdalena Malankowska, Carlos Téllez Ariso, Joaquin Coronas, Guillaume Maurin, Nathalie Steunou et Christian Serre
"A Robust Eco-compatible Microporous Iron Coordination Polymer for CO2 capture."
J Materials Chemistry A 10 (**2022**) 8535-8545
DOI : 10.1039/D1TA10385G

Yael Díaz-Acha , Marc Campeny, Lluís Casas, Roberta Di Febo, Jordi Ibañez-Insa, Tariq Jawhari, Josep Bosch, Ferran Borrell, Susana Esther Jorge-Villar, Jean-Marc Greneche, Esperança Tauler et Joan Carles Melgarejo
"Colours of Gemmy Phosphates from the Gavà Neolithic Mines (Catalonia, Spain) : Origin and Archaeological Significance"
Minerals 12 (**2022**) 368

DOI : 10.3390/min12030368

Zahra Gohari-Bajestani, Amandine Guiet, Romain Moury, Jean-Marc Grenèche, Annie Hémon-Ribaud, Yuxuan Zhang, Daniel Chartrand, Vincent Maisonneuve, Nikolay Kornienko et Jérôme Lhoste
"Highly efficient water oxidation via a bimolecular reaction mechanism on rutile structured mixed-metal oxyfluorides"
Chem Catalysis 2 (**2022**) 1-14
DOI : 10.1016/j.checat.2022.03.002

Adolf Heinrich Horn, Yves Fuchs, Chloe Fourdrin, Jean Marc Grenèche et Omar Boudouma
"Co genetic Cr-bearing tourmaline and emerald in the Novo Cruzeiro pegmatite field (Minas Gerais, Brazil)"
Geochimica Brasiliensis 36:e (**2022**) 22003
DOI : 10.21715/GB2358-2812.202236003

Xuefeng Liao, Lizhong Zhao, Jiasheng Zhang, Ke Xu, Bang Zhou, Hongya Yu, Xuefeng Zhang, Jean-Marc Greneche, Alex Aubert, Konstantin Skoko, Oliver Gutfleisch et Zhongwu Liu
"Textured (Ce, La,Y)-Fe-B permanent magnets by hot deformation"
Journal Materials Research and Technology 17 (**2022**) 1459-1468
DOI : 10.1016/j.jmrt.2022.01.106

Natalia Lindner, Zbigniew Sniadecki, Mieszko KoBodziej, Jean-Marc Greneche, Jozef Marcin, Ivan Skorvanek, et Bogdan Idzikowski
"Tunable magnetocaloric effect in amorphous Gd-Fe-Co-Al-Si alloys"
J. Mat. Sc. 57 (**2022**) 553-562
DOI : 10.1007/s10853-021-06611-9

Juan A. Ramos-Guivar, Jacquelyne Y. Zarria-Romero, Isabel-Liz Castro-Merino, Jean-Marc Greneche et Edson C. Passamani
"Improvement of the thermal stability of nanomaghemite by functionalization with type 5A zeolite and magnetic properties studied by in-field 57Fe Mössbauer measurements"
Journal of Magnetism and Magnetic Materials 552 (**2022**) 169241
DOI : 10.1016/j.jmmm.2022.169241

Carlo A. Tamanaha-Vegas, Jacquelyne Y. Zarria-Romero, Jean-Marc Greneche, Edson C. Passamani et Juan A. Ramos-Guivar
"Surface magnetic properties of a ternary nanocomposite and its ecotoxicological properties in Daphnia magna"
Advanced Powder Technology 33 (**2022**) 103395
DOI : 10.1016/j.apt.2021.103395