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# Publications 2022

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- 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](https://doi.org/10.3390/ma15030977)
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- Enzo Bertuit, Emilia Benassai, Guillaume Mériquet, 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](https://doi.org/10.1021/acsnano.1c06212)
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- 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 Fougth 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](https://doi.org/10.1088/1681-7575/ac36b6)
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- 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."  
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[DOI : 10.1039/D1TA10385G](https://doi.org/10.1039/D1TA10385G)
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- 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"  
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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](https://doi.org/10.1016/j.checat.2022.03.002)

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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](https://doi.org/10.21715/GB2358-2812.202236003)

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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  
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[DOI : 10.1016/j.jmrt.2022.01.106](https://doi.org/10.1016/j.jmrt.2022.01.106)

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*J. Mat. Sc.* 57 (2022) 553-562  
[DOI : 10.1007/s10853-021-06611-9](https://doi.org/10.1007/s10853-021-06611-9)

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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 <sup>57</sup>Fe Mössbauer measurements"  
*Journal of Magnetism and Magnetic Materials* 552 (2022) 169241  
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Carlo A. Tamanaha-Vegas, Jacquelyne Y. Zarria-Romero, Jean-Marc Greneche, Edson C. Passamani et Juan A. Ramos-Guivar  
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