Processing and Characterization of Advanced Composites for Resource-Efficient Applications and Technologies

"CREATe-Network"

Report: Deliverable D5.3 - Publications in scientific journals and divulgation magazine

Deliverable No	Deliverable Name	WP No	Lead Participant Short Name	Nature	Dissemination Level	Delivery Month
D5.3	Publications in scientific journals and divulgation magazine	5	USAAR, all	Admin	PU	From 6

We have starting updating the publications in the EU portal. Up to now, we have published 8 per reviewed publications, as follows.

1. K. Makgopa, P. M. Ejikeme, C. J. Jafta, K. Raju, M. Zeiger, V. Presser and K. I. Ozoemena, A high-rate aqueous symmetric pseudocapacitor based on highly graphitized onion-like carbon/birnessite-type manganese oxide nanohybrids, Journal of Materials Chemistry A, 2015, 3, 3480-3490.
2. M. Zeiger, N. Jäckel, V. Mochalin and V. Presser, Review: carbon onions for electrochemical energy storage, Journal of Materials Chemistry A, 2015, DOI: 10.1039/C5TA08295A.
3. M. Zeiger, D. Weingarth and V. Presser, Quinone-Decorated Onion-Like Carbon/Carbon Fiber Hybrid Electrodes for High-Rate Supercapacitor Applications, ChemElectroChem, 2015, 2, 1117-1127.
4. N. Souza, M. Zeiger, V. Presser and F. Mücklich, In situ tracking of defect healing and purification of single-wall carbon nanotubes with laser radiation by time-resolved Raman spectroscopy RSC Adv., 2015,5, 62149-62159.
5. José García, Thais Carvalho Miranda, Haroldo C. Pinto, Flavio Soldera and Frank Mücklich, 3D-FIB characterization of wear in WC-Co coated composites Materials Science Forum Vols., 2015, 825-826, 995-1000.
6. L. Reinert, M. Zeiger, S. Suárez, V. Presser and F. Mücklich, Dispersion analysis of carbon nanotubes, carbon onions, and nanodiamonds for their application as reinforcement phase in nickel metal matrix composites RSC Adv., 2015,5, 95149-95159.
7. Cucatti, S.; Ochoa, E.A.; Morales, M.; Droppa, R.; Garcia, J.; Pinto, H.C.; Zagonel, L.F.; Wisnivesky, D.; Figueroa, C.A.; Alvarez, F., Effect of bombarding steel with Xe+ ions on the surface nanostructure and on pulsed plasma nitriding process. Materials Chemistry and Physics, v. 149-150, p. 261-269, 2015. http://dx.doi.org/10.1016/j.matchemphys.2014.10.015.
8. Vales, Sandra Dos Santos; Becerra, Erika Abigail Ochoa; Brito, Pedro Paiva; Droppa Junior, Roosevelt; Garcia, Jose Luis; Alvarez, Fernando; Pinto, Haroldo Cavalcanti. Effect of Low Temperature Nitriding of 100Cr6 Substrates on TiN Coatings Deposited by IBAD. Materials Research (São Carlos. Impresso), v. 18, p. 54-58, 2015. http://dx.doi.org/10.1590/1516-1439.266514.