[1] S. Suarez, F. Lasserre, O. Prat, F. Mücklich, Processing and interfacial reaction evaluation in MWCNT/Ni composites, Phys. Status Solidi. 211 (2014) 1555–1561.

[2] J. Barrirero, M. Engstler, N. Ghafoor, N. de Jonge, M. Odén, F. Mücklich, Comparison of segregations formed in unmodified and Sr-modified Al--Si alloys studied by atom probe tomography and transmission electron microscopy, J. Alloys Compd. 611 (2014) 410–421.

[3] S. Suarez, E. Ramos-Moore, B. Lechthaler, F. Mücklich, Grain growth analysis of multiwalled carbon nanotube-reinforced bulk Ni composites, Carbon N. Y. 70 (2014) 173–178.

[4] K. Yalamanchili, I.C. Schramm, E. Jiménez-Piqué, L. Rogström, F. Mücklich, N. Ghafoor, M. Odén, Growth and Mechanical Behavior of Nanoscale Structures in ZrN/Zr0. 63Al0. 37N Multilayers, (2014).

[5] S.-M. Liang, M. Engstler, V. Groten, J. Barrirero, F. Mücklich, A. Bührig-Polaczek, R. Schmid-Fetzer, Key experiments and thermodynamic revision of the binary Al--Sr system, J. Alloys Compd. 610 (2014) 443–450.

[6] M.F. Broglia, S. Suarez, F. Soldera, F. Mücklich, C.A. Barbero, R. Bellingeri, F. Alustiza, D. Acevedo, Direct laser interference patterning of polystyrene films doped with azo dyes, using 355nm laser light, Appl. Surf. Sci. 300 (2014) 86–90.

[7] R. Albrecht, A. Bommer, C. Pauly, F. Mücklich, A.W. Schell, P. Engel, T. Schröder, O. Benson, J. Reichel, C. Becher, Narrow-band single photon emission at room temperature based on a single nitrogen-vacancy center coupled to an all-fiber-cavity, Appl. Phys. Lett. 105 (2014) 73113.

[8] Y. Wang, J. Ghanbaja, F.A. Soldera, P. Boulet, D. Horwat, F. Mücklich, J.-F. Pierson, Controlling the preferred orientation in sputter-deposited Cu2O thin films: Influence of the initial growth stage and homoepitaxial growth mechanism, Acta Mater. 76 (2014) 207–212.

[9] M.F. Broglia, S. Suarez, F.A. Soldera, F. Mücklich, C.A. Barbero, R. Bellingeri, F. Alustiza, D. Acevedo, Direct laser interference patterning of polystyrene films doped with azo dyes, using 355 nm laser light, Appl. Surf. Sci. 300 (2014) 86–90.

[10] R. Forsén, I.C. Schramm, F. Persson PO Åand Mücklich, M. Odén, N. Ghafoor, Nanostructuring and coherency strain in multicomponent hard coatings, APL Mater. 2 (2014) 116104.

[11] F. Mücklich, M. Hans, M. Solioz, Warum sterben Bakterien auf Kupferoberflächen?, Manag. Krankenhaus. (2014).

[12] M.A. Guitar, E. Ramos-Moore, F. Mücklich, The influence of impurities on the formation of protective aluminium oxides on RuAl thin films, J. Alloys Compd. 594 (2014) 165–170.

[13] S. Suárez, A. Rosenkranz, C. Gachot, F. Mücklich, Enhanced tribological properties of MWCNT/Ni bulk composites--Influence of processing on friction and wear behaviour, Carbon N. Y. 66 (2014) 164–171.

[14] M. Engstler, J. Barrirero, N. Ghafoor, M. Odén, F. Mücklich, 3D Microstructure Characterization and Analysis of Al-Si Foundry Alloys at Different Length Scales, Microsc. Microanal. 20 (2014) 956–957.

[15] J. Riedrich-Möller, C. Arend, C. Pauly, F. Mücklich, M. Fischer, S. Gsell, M. Schreck, C. Becher, Deterministic coupling of a single silicon-vacancy color center to a photonic crystal cavity in diamond, Nano Lett. 14 (2014) 5281–5287.

[16] A. Rosenkranz, L. Reinert, C. Gachot, F. Mücklich, Alignment and wear debris effects between laser-patterned steel surfaces under dry sliding conditions, Wear. 318 (2014) 49–61.

[17] C. Carrasco, G. Inzunza, C. Camurri, C. Rodr\'\iguez, L. Radovic, F. Soldera, S. Suarez, Optimization of mechanical properties of Al-metal matrix composite produced by direct fusion of beverage cans, Mater. Sci. Eng. A. 617 (2014) 146–155.

[18] A. Rosenkranz, B. Martin, S. Bettscheider, C. Gachot, H. Kliem, F. Mücklich, Correlation between solid--solid contact ratios and lubrication regimes measured by a refined electrical resistivity circuit, Wear. 320 (2014) 51–61.

[19] A. Szurdak, A. Rosenkranz, C. Gachot, G. Hirt, F. Mücklich, Manufacturing and tribological investigation of hot micro-coined lubrication pockets, in: Key Eng. Mater., 2014: pp. 417–424.

[20] K.E. Trinh, F. Mücklich, E. Ramos-Moore, The role of microstructure and surface topography in the electrical behavior of Sn-coated Cu contacts, in: ICEC 2014; 27th Int. Conf. Electr. Contacts, 2014: pp. 1–6.

[21] M.A. Guitar, H. Aboulfadl, C. Pauly, P. Leibenguth, S. Migot, F. Mücklich, Production of single-phase intermetallic films from Ru-Al multilayers, Surf. Coatings Technol. 244 (2014) 210–216.

[22] C. Selzner, F. Mücklich, New microstructure investigations of arc damaged silver/tinoxide electrodes by means of FIB-technique, in: ICEC 2014; 27th Int. Conf. Electr. Contacts, 2014: pp. 1–5.

[23] P. Rossi, M. Engstler, F. Mücklich, Homogeneity quantification method and its application to microstructure assessment, Pract. Metallogr. 51 (2014) 180–199.

[24] F.L. Miguel, R. Müller, M. Weinmann, R. Hempelmann, S. Mathur, F. Mücklich, Production and characterization of nanocomposite thin films based on Ni matrix reinforced with SnO2 single-crystalline nanowires for electrical contact applications, J. Alloys Compd. 603 (2014) 14–18.

[25] Y. Wang, P. Miska, D. Pilloud, D. Horwat, F. Mücklich, J.-F. Pierson, Transmittance enhancement and optical band gap widening of Cu2O thin films after air annealing, J. Appl. Phys. 115 (2014) 73505.

[26] S. Suárez, F. Lasserre, O. Prat, F. Mücklich, Processing and interfacial reaction evaluation in MWNT/Ni composites, Phys. Status Solidi. 211 (2014) 1555–1561.

[27] J. Kodolányi, P. Hoppe, E. Gröner, C. Pauly, F. Mücklich, The Mg isotope composition of presolar silicate grains from red giant stars, Geochim. Cosmochim. Acta. 140 (2014) 577–605.

[28] F. Mücklich, J. Webel, H. Aboulfadl, N. Lindow, H.-C. Hege, Correlative Tomography-Extraction of Reliable Information with Adequate Resolution from mm Scale Down to Sub-nm Scale, Microsc. Microanal. 20 (2014) 838–839.

[29] S. Suarez, A. Rosenkranz, C. Gachot, F. Mücklich, Enhanced tribological properties of MWCNT/Ni bulk composites--Influence of processing on friction and wear behaviour, Carbon N. Y. 66 (2014) 164–171.

[30] M. Hans, J.C. Támara, S. Mathews, B. Bax, A. Hegetschweiler, R. Kautenburger, M. Solioz, F. Mücklich, Laser cladding of stainless steel with a copper--silver alloy to generate surfaces of high antimicrobial activity, Appl. Surf. Sci. 320 (2014) 195–199.

[31] S. Suárez, E. Ramos-Moore, B. Lechthaler, F. Mücklich, Grain growth analysis of multiwalled carbon nanotube-reinforced bulk Ni composites, Carbon N. Y. 70 (2014) 173–178.

[32] E. Ramos-Moore, C. Espinoza, R.S. Coelho, H. Pinto, P. Brito, F. Soldera, F. Mücklich, J.L. Garcia, Investigations on thermal stresses of a graded Ti (C, N) coating deposited on WC-Co hardmetal, in: Adv. Mater. Res., 2014: pp. 848–854.

[33] D. Britz, A. Hegetschweiler, F. Mücklich, Opening the Door to Fundamental Understanding of Structure and Color Metallography-a Correlative Microscopy Study on Steel, Microsc. Microanal. 20 (2014) 834–835.

[34] C. Hahn, G. Reitz, R. Moeller, P. Rettberg, M. Hans, F. Mücklich, Introducing the potential of antimicrobial materials for human and robotic spaceflight activities, Cosp. 40 (2014) F4--1.

[35] M. Roland, A. Kruglova, N. Harste, F. Mücklich, S. Diebels, Numerical Simulation of Al-Si alloys with and without a Directional Solidification, Image Anal. Stereol. 33 (2014) 29–37.

[36] A. Montenegro-Hernández, A. Soldati, L. Mogni, H. Troiani, A. Schreiber, F. Soldera, A. Caneiro, Reactivity at the Ln2NiO4+$δ$/electrolyte interface (Ln = La, Nd) studied by Electrochemical Impedance Spectroscopy and Transmission Electron Microscopy, J. Power Sources. 265 (2014) 6–13. https://doi.org/10.1016/j.jpowsour.2014.04.082.

[37] N. Haberkorn, A.M. Condó, M. Sirena, F. Soldera, F.C. Lovey, Single crystalline $β$ phase Cu-Zn nanowires: Synthesis and martensitic transformation, Mater. Lett. 124 (2014) 256–260. https://doi.org/10.1016/j.matlet.2014.03.101.