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**Improved Stability of Atomic Layer Deposited Amorphous TiO<sub>2</sub> Photoelectrode Coatings by Thermally Induced Oxygen Defects.** / Hannula, Markku; Ali-Löytty, Harri; Lahtonen, Kimmö; Sarlin, Essi; Saari, Jesse; Valden, Mika.

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**A Study of Cr<sub>3</sub>C<sub>2</sub>-Based HVOF- and HVOF-Sprayed Coatings : Microstructure and Carbide Retention.** / Matikainen, V.; Bolelli, G.; Koivuluoto, H.; Honkanen, M.; Vippola, M.; Lusvarghi, L.; Vuoristo, P.

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**Effect of the addition of Al<sub>2</sub>O<sub>3</sub>, TiO<sub>2</sub> and ZnO on the thermal, structural and luminescence properties of Er<sup>3+</sup>-doped phosphate glasses.** / Lopez-Iscoa, Pablo; Petit, Laetitia; Massera, Jonathan; Janner, Davide; Boetti, Nadia G.; Pugliese, Diego; Fiorilli, Sonia; Novara, Chiara; Giorgis, Fabrizio; Milanese, Daniel.

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**Abrasive-Erosive Wear of Thermally Sprayed Coatings from Experimental and Commercial Cr<sub>3</sub>C<sub>2</sub>-Based Powders.** / Sarjas, Heikki; Surzhenkov, Andrei; Juhani, Kristjan; Antonov, Maksim; Adoberg, Eron; Kulu, Priit; Viljus, Mart; Traksmaa, Rainer; Matikainen, Ville; Vuoristo, Petri.

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**The red, purple and blue modifications of polymeric unsymmetrical hydroxyalkadiynyl-N-arylcarbamate derivatives in Langmuir-Schaefer films.** / Alekseev, Alexander; Ihalainen, Petri; Ivanov, Artem; Domnin, Ivan; Klechkovskaya, Vera; Orekhov, Anton; Lemmetyinen, Helge; Vuorimaa-Laukkanen, Elina; Peltonen, Jouko; Vyaz'min, Sergey.

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**Sliding and abrasive wear behaviour of HVOF- and HVOF-sprayed Cr<sub>3</sub>C<sub>2</sub>-NiCr hardmetal coatings.** / Bolelli, G.; Berger, L. M.; Börner, T.; Koivuluoto, H.; Matikainen, V.; Lusvarghi, L.; Lyphout, C.; Markocsan, N.; Nylén, P.; Sassatelli, P.; Trache, R.; Vuoristo, P.

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**Microstructure and Sliding Wear Behavior of Fe-Based Coatings Manufactured with HVOF and HVOF Thermal Spray Processes.** / Milanti, A.; Matikainen, V.; Bolelli, G.; Koivuluoto, H.; Lusvarghi, L.; Vuoristo, P.

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**Stability and Function at High Temperature. What Makes a Thermophilic GTPase Different from Its Mesophilic Homologue.** / Katava, Marina; Kalimeri, Maria; Stirnemann, Guillaume; Sterpone, Fabio.

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**Phenothiazine and carbazole substituted pyrene based electroluminescent organic semiconductors for OLED devices.** / Salunke, Jagadish K.; Wong, F. L.; Feron, Krishna; Manzhos, Sergei; Lo, Ming Fai; Shinde, Durgaprasad; Patil, Abhijeet; Lee, C. S.; Roy, V. A L; Sonar, Prashant; Wadgaonkar, Prakash P.

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**Improved properties for packaging materials by nanoscale surface modification and ALD barrier coating.** / Lahti, Johanna; Lavonen, Juho; Lahtinen, Kimmo; Johansson, Petri; Seppänen, Tarja; Cameron, David C.

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Research output: Contribution to journal › Article › Scientific › peer-review

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