

TOP-10 статей Web of Science Core Collection

Найцитованіші статті науковців НТУ «ХП» в наукометричній базі Web of Science Core Collection за період 2011-2016 рр.

	Название	Авторы	Джере ло	Год публ икац ии	Том	Выпуск	Начальная страница	Конечная страница	DOI	Название конференции	Всего цитат
1.	Optimal design of plate-and-frame heat exchangers for efficient heat recovery in process industries	Arsenyeva, Olga P.; Tovazhnyansky, Leonid L.; Kapustenko, Petro O.; Khavin, Gennadiy L.	ENER GY	2011	36	8	4588	4598	10.1016/j.energy.2 011.03.022	13th Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction (PRES)	<b>24</b>
2.	Effect of the Preparation Conditions on the Phase Composition, Structure, and Mechanical Characteristics of Vacuum-Arc Zr-Ti-Si-N Coatings	Sobol', O. V.; Pogrebnyak, A. D.; Beresnev, V. M.	PHYSI CS OF META LS AND META LLOG RAPH Y	2011	112	2	188	195	10.1134/S0031918 X11020268		<b>20</b>
3.	Characterization and in vivo evaluation of chitosan-hydroxyapatite bone scaffolds made by one step coprecipitation method	Danilchenko, Sergei N.; Kalinkevich, Oksana V.; Pogorelov, Maksim V.; Kalinkevich, Aleksi N.; Sklyar, Anatoly M.; Kalinichenko, Tatyana G.; Ilyashenko, Vyacheslav Y.; Starikov, Vadim V.;	JOURN AL OF BIOME DICAL MATE RIALS RESEA RCH PART A	2011	96A	4	639	647	10.1002/jbm.a.330 17		<b>20</b>

		Bumeyster, Valentina I.; Sikora, Vitaly Z.; Sukhodub, Leonid F.									
4.	Dust generation mechanisms under powerful plasma impacts to the tungsten surfaces in ITER ELM simulation experiments	Makhlaj, V. A.; Garkusha, I. E.; Aksenov, N. N.; Chuvilo, A. A.; Chebotarev, V. V.; Landman, I.; Malykhin, S. V.; Pestchanyi, S.; Pugachov, A. T.	JOURNAL OF NUCLEAR MATERIALS	2013	438		S233	S236	10.1016/j.jnucmat.2013.01.034	20th International Conference on Plasma-Surface Interactions in Controlled Fusion Devices (PSI)	<b>17</b>
5.	Effect of Thermal Annealing in Vacuum and in Air on Nanograin Sizes in Hard and Superhard Coatings Zr-Ti-Si-N	Pogrebnyak, A. D.; Shpak, A. P.; Beresnev, V. M.; Kolesnikov, D. A.; Kunitskii, Yu A.; Sobol, O. V.; Uglov, V. V.; Komarov, F. F.; Shpylenko, A. P.; Makhmudov, N. A.; Demyanenko, A. A.; Baidak, V. S.; Grudnitskii, V. V.	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	2012	12	12	9213	9219	10.1166/jnn.2012.6777	6th International Conference on Surfaces, Coatings and Nanostructured Materials (NANOSMATT)	<b>17</b>
6.	A numerical study of the dynamic response of sandwich plates initially damaged by low-velocity impact	Burlayenko, V. N.; Sadowski, T.	COMPUTATIONAL MATERIALS SCIENCE	2012	52	1	212	216	10.1016/j.commatsci.2011.01.009	20th International Workshop on Computational Mechanics of Materials (IWCMM 20)	<b>15</b>

7.	Simulation of ITER edge-localized modes' impacts on the divertor surfaces within plasma accelerators	Makhlaj, V. A.; Garkusha, I. E.; Aksenov, N. N.; Chuvilo, A. A.; Ladygina, M. S.; Landman, I.; Linke, J.; Malykhin, S. V.; Pestchanyi, S.; Pugachev, A. T.; Sadowski, M. J.; Skladnik-Sadowska, E.	PHYSICA SCRIPTA	2011	T145				10.1088/0031-8949/2011/T145/014061	13th International Workshop on Plasma-Facing Materials and Components for Fusion Applications (PFMC)/1st International Conference on Fusion Energy Materials Science (FEMaS)	<b>15</b>
8.	Effect of high-voltage pulses on the structure and properties of titanium nitride vacuum-arc coatings	Sobol', O. V.; Andreev, A. A.; Grigoriev, S. N.; Gorban', V. F.; Volosova, M. A.; Aleshin, S. V.; Stolbovoi, V. A.	METAL SCIENCE AND HEAT TREATMENT	2012	54	3-4	195	203	10.1007/s11041-012-9481-8		<b>14</b>
9.	Vacuum-arc multilayer nanostructured TiN/Ti coatings: structure, stress state, properties	Sobol', O. V.; Andreev, A. A.; Grigoriev, S. N.; Volosova, M. A.; Gorban, V. F.	METAL SCIENCE AND HEAT TREATMENT	2012	54	1-2	28	33			<b>13</b>
10	Single-particle interference versus two-particle collisions	Juergens, S.; Splettstoesser, J.; Moskalets, M.	EPL	2011	96	3			10.1209/0295-5075/96/37011		<b>13</b>