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288	M. Paczkowska, N. Makuch, M. Kulka	Evaluation of the possibilities of the cobalt implementation by laser remelting into nodular iron surface layer
289	Michael Klumpp; Giulia Baracchini; Martin Siebert; Seungcheol Lee; Roland Dittmeyer	Highly active catalytic wall coatings in the channels of microstructured reactors for process intensification
293	D. Lozoya, R. Lima, A. Ledezma, L. Fraceto, R. Gomez, M. Bazaldua, V. Orozco	Development of HA – nAg composite coating from green process for HIP applications
295	G. Daurelio; A. Angelastro; S. L. Campanelli; L.A.C. De Filippis; A. Pugliese; A.D. Ludovico	Fiber Laser Remelting and surface hardening of a Nickel based superalloy

297	C.Chemelli, L. De Maria, S.Marchionna, G.Pirovano	Optical and electrical properties of transparent conductive ultrathin films for electric grid O&M applications
299	R.Chiesa, C.C.Liberato, B.Azzimonti, M.Moscatelli, A.Cochis, R.Sorrentino, L.Rimondini	Long-term stability and efficacy of an antibacterial treatment based on gallium doping of titanium surface operated by Plasma Electrolytic Oxidation
300	M. A. Arenas, A.Conde, J. M. Hernández-López, J. J. de Damborenea	Anodizing of Titanium alloys for biomedical applications: New approach of a conventional method
301	M.V. Diamanti, B. Del Curto, M. Ormellese, MP. Pedferri	Robust anodic colouring of titanium and durability of oxide films
302	M.V. Diamanti, C.-Y. Lai, M. Cozzolino, MP. Pedferri, S. Al Hassan, M. Chiesa	Time-dependent surface wettability of calcite: a baseline for oil reservoirs investigations
303	Mert ALTAY, Faiz MUHAFFEL, Murat BAYDOGAN	Effect of bipolar voltage parameters on structural and morphological properties of TiO ₂ nanotubes
304	Kadir Cihan Tekin, Ugur Malayoglu, Suman Shrestha	Production of hard ceramic oxide coatings on Ti6Al4V alloy using plasma electrolytic oxidation (PEO) method 1Kadir Cihan Tekin, 1*Ugur Malayoglu, 2Suman Shrestha
305	Emir Karacam, Faiz Muhaffei, Mohammad Hasan Zamani, Mehdi Divandari, Huseyin Cimenoglu	Formation of a Protective Ceramic Coating on Friction Stir Welded Magnesium and Aluminum by Micro Arc Oxidation
306	D. Kilic, F. Muhaffel, Y. Yurekturk, M. Baydogan	Characterization of carbon nanotubes incorporated ceramic coatings fabricated via micro arc oxidation on AZ91D magnesium alloy
307	S. M. Yunus, *M. J. Ghazali, A. A. Pauzi, W. F. H. W. Zamri	Comparative wear characteristics of chromium-carbide and chromium-cobalt coatings for combustor liners
308	M. Conte; G. Favaro; N. X. Randall	High temperature ultra nanoindentation system
309	R.Jagdheesh*, Marcos Diaz and J.L. Ocaña	Robust transformation of wetting properties of metallic surface by ns laser
310	L. Ruiz de Lara, R. Jagdheesh* and J.L. Ocaña	Corrosion behaviour in superhydrophobic aluminum surfaces
312	J. M. López López; J. Coupland, S. Marimuthu	DROPLET ASSISTED LASER CLEANING OF CONTAMINATED SURFACES
314	N. Bosh ^{1,2} , H. Mozaffari-Jovein ¹ , H. Reinecke ² 1.Hochschule Furtwangen (Campus Tuttlingen), 2.Universität Freiburg - IMTEK	Optimization of Graded Plasma Sprayed Hydroxyapatite Coatings on Titanium and Their Mechanical Properties
315	G. Bolelli, A. Candeli, L. Lusvardi, A. Ravoux, A. Denoirjean, S. Valette, C. Chazelas, E. Meillot, L. Bianchi	NiCrAlY + Al ₂ O ₃ + h-BN composite coatings by “hybrid” plasma spraying
317	N. Makuch; M. Kulka; M. Paczkowska	Nanomechanical properties of gas-borided layer produced on Nimonic 80A-alloy
318	M.Gholamia, I. Altenbergerb, H. A. Kuhn, M. Wollmann, L. Wagner	Effect of Shot Peening on Fatigue Performance of Ultrafine-grained CuNi ₃ Si ₁ Mg Alloy
319	J.L. Ocaña, J.A. Porro, M. Díaz, L. Ruiz-de-Lara, D. Peral, J.A. Santiago, I. Angulo	LASER SHOCK PROCESSING: AN EMERGING TECHNIQUE FOR THE MECHANICAL AND SURFACE PROPERTIES ENHANCEMENT OF METALLIC MATERIALS
321	P. Sirvent ¹ , M. A. Garrido-Maneiro ¹ , C. J. Múnez ¹ , P. Poza ¹ , A. Cazacu ² , R. Barnett ² , H. Lovelock ²	EFFECT OF POWDER GEOMETRY ON THE MECHANICAL PERFORMANCE OF COLD SPRAYED Ti6Al4V COATINGS

322	D. Verdi, C.J. Múñez, M.A. Garrido, P. Poza	EFFECT OF Cr ₂ C ₃ PARTICLES ON THE PERFORMANCE OF LASER CLADDED INCO 625 COATINGS
323	S. M. Deambrosis, C. Badini, M. Fabrizio, E. Miorin, F. Montagner, E. Padovano, E. Ricci, M. Sebastiani, E. Vassallo, V. Zin	HiPIMS NITRIDE COATINGS FOR HARSH ENVIRONMENTS
324	S.S.Wangikar; P.K.Patowari; R.D.Misra	Experimental Analysis of Surface Characteristics in Microchannel Fabricated using Photochemical Machining
325	D.J.Borah; P.K.Patowari, A.A.Likhite	Machinability Study of Austempered Ductile Iron using Wire Electrical Discharge Machining
326	N.I.Khan, S.Halder, MS Goyat	Effect of emulsifier on the properties of capsules for fabricating healing enabled next generation adhesive joints
327	Fei Yin, Milan Rakita, Qingyou Han	Overview of Ultrasonic Shot Peening
331	L. AISSANI, M. FELLAH, C. NOUVEAU, H. DJEBAILI.	Annealing treatment and nitrogen pressure effects on the formation of chromium nitrides, carbides and carbonitrides coatings
332	FELLAH Mamoun, AISSANI LINDA, LABAIZ Mohamed, ASSALA Omar, ZAIRI Amel	IMPROVEMENT OF FRICTION AND WEAR PERFORMANCE OF THE HIPED NANO-BIOCERAMIC PREPARED BY HIGH ENERGY MILLING
333	Ahlem TALEB, MamounFELLEH, Mohamed LABAIZ, Amina. GRAIRIA, A. IOST.	TRIBOLOGICAL BEHAVIOUR OF HOT DIP GALVANIZED STEEL
335	W. C. Oliver, Kurt Johanns, Sudharshan Phani Pardhasaradhi, and Kermit Parks	Advances In The Mechanical Characterization of Surfaces
336	Valentina Furlana, Ali Gökhan Demir, Carlo Paternoster, Ranna Tolouei, Diego Mantovani, Barbara Previtali	Surface oxidation by laser soft-melting treatment to change degradation behaviour of a magnesium alloy
339	D. Závodská; E. Tillová; M. Guagliano; L. Hurtalová; M. Chalupová; J. Lago	Fatigue resistance of self-hardening AlZn ₁₀ Si ₈ Mg alloys
340	Yisheng Zhang;Qi Zhang; Miao Cao;Ningyu Ben;Xuesong Yang;Hongwei Yang;Yuanyuan Yang	FEA and Experiment Study on Joining by Rotary Swaging Process
341	P. Breuninger, S. Buhl, K. Schmidt, S. Antonyuk	Surface modification of metallic components through particles on a microscale
342	J. Lago; M. Guagliano; O. Bokůvka; L. Trško; O. Řídký; F. Nový; D. Závodská	IMPROVEMENT OF FATIGUE ENDURANCE OF WELDED S355 J2 STRUCTURAL STEEL BY SEVERE SHOT PEENING
343	Ling Li; Sidi Fan; Cuicui Zhuang; Jia Feng; Chuncheng Ban and Xiaowei Liu	Controllable wettability of boron nitride nanotube films with lotus and petal effect
344	I. Černý; I. Fürbacher; D. Mikulová; J. Sís; N. Ganev; K. Kolařík	Potential increase of gear service life using laser hardening technology
345	M. Bonek; D. Cichocki	TRIBOLOGICAL BEHAVIOUR OF TOOL STEEL SURFACE LAYER ALLOYED USING THE HIGH POWER DIODE LASER
346	Chiranjib Bhowmik, Amitava Ray, Sumit Bhowmik	SELECTION OF ENERGY EFFICIENT MATERIAL: AN ENTROPY-TOPSIS APPROACH
347	P. Choudhury; A. V. Mangalana; S. Das; S. Halder	MECHANICAL CHARACTERIZATION AND MICROMECHANICAL MODELING OF GRAPHENE INFUSED HYBRID GFRP LAMINATES

