

# CITATION REPORT

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## Plasma electrolysis for surface engineering

DOI: 10.1016/S0257-8972(99)00441-7  
Surface and Coatings Technology, 1999, 122, 73-93.

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**Version:** 2024-04-20

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#	Paper	IF	Citations
2269	Low temperature deposition of Cr(N)/TiO <sub>2</sub> coatings using a duplex process of unbalanced magnetron sputtering and micro-arc oxidation. <i>Surface and Coatings Technology</i> , <b>2000</b> , 133-134, 331-337	4.4	38
2268	Deposition of layered bioceramic hydroxyapatite/TiO <sub>2</sub> coatings on titanium alloys using a hybrid technique of micro-arc oxidation and electrophoresis. <i>Surface and Coatings Technology</i> , <b>2000</b> , 125, 407-414	4.4	344
2267	Electrochemical deposition of barium titanate films using a wide electrolytic voltage range. <b>2001</b> , 398-399, 621-625		17
2266	Composition and adhesion of protective coatings on aluminum. <i>Surface and Coatings Technology</i> , <b>2001</b> , 145, 146-151	4.4	91
2265	The influence of vapor-gaseous envelope behavior on plasma electrolytic coating removal. <i>Surface and Coatings Technology</i> , <b>2001</b> , 148, 30-37	4.4	25
2264	Scale effects in abrasive wear of composite sol-gel alumina coated light alloys. <b>2001</b> , 251, 1042-1050		23
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2262	Anodic spark deposition of P, Me(II) or Me(III) containing coatings on aluminium and titanium alloys in electrolytes with polyphosphate complexes. <b>2001</b> , 497, 150-158		65
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2258	Formation of Anodic Films on Magnesium Alloys in an Alkaline Phosphate Electrolyte. <b>2002</b> , 149, B4		59
2257	Synthesis of nanocrystalline titania films by micro-arc oxidation. <b>2002</b> , 56, 744-747		61
2256	Plasma anodized aluminum on 2000/2000 ceramic coating. <b>2002</b> , 100, 44-50		16
2255	Hard anodizing—What do we mean by hard?. <b>2002</b> , 100, 52-58		32
2254	Solution deposition of hydroxyapatite on titanium pretreated with a sodium ion implantation. <b>2002</b> , 59, 716-24		18
2253	Kinetic aspects of aluminium titanate layer formation on titanium alloys by plasma electrolytic oxidation. <b>2002</b> , 200, 172-184		219

2252	Abrasive wear/corrosion properties and TEM analysis of Al <sub>2</sub> O <sub>3</sub> coatings fabricated using plasma electrolysis. <i>Surface and Coatings Technology</i> , <b>2002</b> , 149, 245-251	4.4	347
2251	Electrolytic plasma processing for cleaning and metal-coating of steel surfaces. <i>Surface and Coatings Technology</i> , <b>2002</b> , 150, 246-256	4.4	118
2250	Developments in PVD tribological coatings (IUVSTA highlights seminar-vacuum metallurgy division). <b>2002</b> , 65, 237-238		13
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2248	Tribological evaluation of AISI 304 stainless steel duplex treated by plasma electrolytic nitrocarburising and diamond-like carbon coating. <b>2002</b> , 253, 986-993		48
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2245	Corrosion resistance of BaTiO <sub>3</sub> films prepared by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2003</b> , 166, 31-36	4.4	17
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2215	Electrochemical impedance spectroscopy of ceramic coatings on Ti6Al4V by micro-plasma oxidation. <b>2005</b> , 50, 3273-3279		88
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2100	Employing plasmas as gaseous electrodes at the free surface of ionic liquids: deposition of nanocrystalline silver particles. <b>2007</b> , 8, 50-3		114
2099	The effect of oxide coatings on fatigue properties of 7475-T6 aluminium alloy. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 8688-8694	4.4	96
2098	Spark anodizing of Ti alloy for wear-resistant coating. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 8730-8737	4.4	52
2097	Mullite-rich plasma electrolytic oxide coatings for thermal barrier applications. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 8683-8687	4.4	107
2096	Synthesis of nanocrystallineTi (C <sub>x</sub> N <sub>1-x</sub> ) thick films on titanium by plasma electrolytic carbonitriding. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 5326-5329	4.4	18
2095	Development of a novel cathodic plasma/electrolytic deposition technique. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 8771-8781	4.4	49
2094	Corrosion resistance and wear resistance of plasma electrolytic oxidation coatings on metal matrix composites. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 5306-5309	4.4	41
2093	Tailored aluminium oxide layers by bipolar current adjustment in the Plasma Electrolytic Oxidation (PEO) process. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 8677-8682	4.4	145
2092	PEO protective coatings on inner surface of tubes. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 6619-6622	4.4	18
2091	Corrosion behaviors and galvanic studies of microarc oxidation films on Al <sub>70</sub> Mg <sub>10</sub> Ti alloy. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 8695-8701	4.4	52

2090	Electrolytic plasma technology: Science and engineering An overview. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 8746-8760	4-4	302
2089	Optical emission from plasma discharge in electrochemical systems applied for modification of material surfaces. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 8782-8788	4-4	19
2088	Frequency response studies for the plasma electrolytic oxidation process. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 8661-8670	4-4	55
2087	Structure of calcium titanate/titania bioceramic composite coatings on titanium alloy and apatite deposition on their surfaces in a simulated body fluid. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 8715-8722	4-4	58
2086	Characterization and blood compatibility of TiC <sub>x</sub> N <sub>1-x</sub> hard coating prepared by plasma electrolytic carbonitriding. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 8789-8795	4-4	36
2085	Growth mechanism of black ceramic layers formed by microarc oxidation. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 8702-8708	4-4	52
2084	Impedance spectroscopy characterisation of PEO process and coatings on aluminium. <b>2007</b> , 516, 428-432		44
2083	Characteristic of microarc oxidized coatings on titanium alloy formed in electrolytes containing chelate complex and nano-HA. <b>2007</b> , 253, 5045-5050		62
2082	Preparation of anti-corrosion films by microarc oxidation on an AlSi alloy. <b>2007</b> , 253, 6118-6124		74
2081	Structure and mechanical properties of ceramic coatings fabricated by plasma electrolytic oxidation on aluminized steel. <b>2007</b> , 253, 8398-8403		43
2080	Micro-arc oxidation in various concentration of KOH and structural change by different cut off potential. <b>2007</b> , 7, e23-e27		31
2079	Boron nitride synthesized at ambient pressure and room temperature by plasma electrolysis. <b>2007</b> , 9, 1824-1827		19
2078	A novel method for preparing aluminum diffusion coating by nanocrystalline plasma electrolysis. <b>2007</b> , 9, 2686-2691		32
2077	Characteristic and in vitro bioactivity of a microarc-oxidized TiO <sub>2</sub> -based coating after chemical treatment. <b>2007</b> , 3, 817-27		113
2076	Efficient catalysts with controlled porous structure obtained by anodic oxidation under spark-discharge. <b>2007</b> , 316, 240-249		80
2075	Anatase TiO <sub>2</sub> films with 2.2 eV band gap prepared by micro-arc oxidation. <b>2007</b> , 139, 216-220		91
2074	Effect of electrolyte additives on performance of plasma electrolytic oxidation films formed on magnesium alloy AZ91D. <b>2007</b> , 52, 3785-3793		290
2073	Preparation and characterization of oxide films containing crystalline TiO <sub>2</sub> on magnesium alloy by plasma electrolytic oxidation. <b>2007</b> , 52, 4836-4840		113

2072	Growth process of plasma electrolytic oxidation films formed on magnesium alloy AZ91D in silicate solution. <b>2007</b> , 52, 5002-5009	148
2071	Real-time imaging of coating growth during plasma electrolytic oxidation of titanium. <b>2007</b> , 53, 1987-1994	151
2070	A novel method of surface modification for steel by plasma electrolysis carbonitriding. <b>2007</b> , 458, 240-243	62
2069	Investigation of morphology and composition of plasma electrolytic oxidation coatings in systems of Na <sub>2</sub> SiO <sub>3</sub> NaOH and (NaPO <sub>3</sub> ) <sub>6</sub> NaOH. <b>2007</b> , 182, 28-33	25
2068	Optimization of the electrolytic plasma oxidation processes for corrosion protection of magnesium alloy AM50 using the Taguchi method. <b>2007</b> , 182, 58-64	63
2067	Oxidation behavior of ceramic coatings on Ti $\beta$ AlV by micro-plasma oxidation. <b>2007</b> , 190, 117-122	32
2066	Effects of Ce(III) on Rate of Formation and Phase Compositions of Ceramic Coatings Formed on Surface of ZAlSi <sub>12</sub> Cu <sub>2</sub> Mg <sub>1</sub> by Microarc Oxidation. <b>2007</b> , 25, 82-85	5
2065	Evaluation of Nanocrystalline Microstructure, Abrasion, and Corrosion Properties of Carbon Steel Treated by Plasma Electrolytic Boriding. <b>2007</b> , 4, S711-S716	24
2064	Nanocrystalline Structure Produced by Complex Surface Treatments: Plasma Electrolytic Nitrocarburizing, Boronitriding, Borocarbonitriding, and Borocarbonitriding. <b>2007</b> , 4, S721-S727	42
2063	Osseointegration of anodized titanium implants under different current voltages: a rabbit study. <b>2007</b> , 34, 517-27	59
2062	Black Ceramic Thermal Control Coating Prepared by Microarc Oxidation. <b>2007</b> , 4, 269-275	19
2061	Carbon nanotubes and diamond-like carbon films produced by cathodic micro-arc discharge in aqueous solutions. <b>2007</b> , 61, 4916-4919	16
2060	Growth of anodic oxide layers under electric discharge conditions. <b>2007</b> , 43, 275-280	13
2059	Study of nanocrystalline plasma electrolytic carbonitriding for CP-Ti. <b>2007</b> , 43, 791-799	22
2058	The influence of the oxidation time on the optical properties of the ceramic thermal control coating prepared by micro-plasma oxidation. <b>2007</b> , 42, 7251-7255	11
2057	Effects of duty ratio at high frequency on growth mechanism of micro-plasma oxidation ceramic coatings on Ti alloy. <b>2007</b> , 42, 9434-9439	7
2056	Direct preparation of CaTi <sub>4</sub> (PO <sub>4</sub> ) <sub>6</sub> coatings on the surface of titanium substrate by micro arc oxidation. <b>2007</b> , 18, 2275-81	9
2055	Pulsed nanocrystalline plasma electrolytic boriding as a novel method for corrosion protection of CP-Ti (Part 1: Different frequency and duty cycle). <b>2007</b> , 30, 601-605	23

2054	Kinetics and Properties of Micro Arc Oxidation Coatings Deposited on Commercial Al Alloys. <b>2007</b> , 38, 370-378	44
2053	Plasma Electrolytic Oxidation of Arc-Sprayed Aluminum Coatings. <b>2007</b> , 16, 998-1004	21
2052	Analyses of microarc oxidation coating formed on AZ91D alloy in phosphate electrolytes. <b>2007</b> , 22, 229-233	6
2051	Study on corrosion resistance and roughness of micro-plasma oxidation ceramic coatings on Ti alloy by EIS technique. <b>2007</b> , 52, 4539-4546	52
2050	Study on the anodizing of AZ31 magnesium alloys in alkaline borate solutions. <b>2007</b> , 253, 3893-3898	109
2049	Self-assembled growth of MgO nanosheet arrays via a micro-arc oxidation technique. <b>2007</b> , 253, 3987-3990	28
2048	Growth characteristics of micro-plasma oxidation ceramic coatings on Ti alloy by inductively coupled plasma-atomic emission spectrometer technique. <b>2007</b> , 253, 4267-4272	9
2047	Characterization of microarc oxidation coatings formed on AM60B magnesium alloy in silicate and phosphate electrolytes. <b>2007</b> , 253, 4490-4496	155
2046	Effects of duty ratio at low frequency on growth mechanism of micro-plasma oxidation ceramic coatings on Ti alloy. <b>2007</b> , 253, 6778-6783	19
2045	Improvement of corrosion properties of microarc oxidation coating on magnesium alloy by optimizing current density parameters. <b>2007</b> , 253, 6939-6945	93
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2043	Micro-plasma textured Ti-implant surfaces. <b>2007</b> , 24, 47-51	8
2042	Deposition of nano-crystalline graphite films by cathodic plasma electrolysis. <b>2007</b> , 515, 2926-2934	66
2041	Carburizing of low-melting-point metals by pulsed nanocrystalline plasma electrolytic carburizing. <i>Surface and Coatings Technology</i> , <b>2008</b> , 202, 5493-5496	4-4 22
2040	The effect of process parameters on mullite-based plasma electrolytic oxide coatings. <i>Surface and Coatings Technology</i> , <b>2008</b> , 203, 15-22	4-4 55
2039	Preparation and characterization of selenium incorporated anodic conversion coatings on titanium surfaces for biomedical applications. <b>2008</b> , 19, 233-8	4
2038	Surface preparation of bioactive Ni-Ti alloy using alkali, thermal treatments and spark oxidation. <b>2008</b> , 19, 1553-7	24
2037	Effect of frequency and duty cycle on corrosion behavior of pulsed nanocrystalline plasma electrolytic carbonitrided CP-Ti. <b>2008</b> , 43, 1624-1629	14

2036	Study of bipolar pulsed plasma electrolytic carbonitriding on nanostructure of compound layer for a gamma Ti-Al alloy. <b>2008</b> , 2, 48-54		
2035	Study of bipolar pulsed nanocrystalline plasma electrolytic carbonitriding on nanostructure of compound layer for CP-Ti. <b>2008</b> , 5, 497-503		15
2034	The effect of phosphate on MAO of AZ91D magnesium using AC power source. <b>2008</b> , 59, 819-824		16
2033	Plasmaelektrolytische Oxidation thermisch gespritzter Aluminiumschichten. <b>2008</b> , 39, 920-923		2
2032	Structural evolution and adhesion of titanium oxide film containing phosphorus and calcium on titanium by anodic oxidation. <b>2008</b> , 85, 378-87		25
2031	Formation of CaTiO <sub>3</sub> /TiO <sub>2</sub> composite coating on titanium alloy for biomedical applications. <b>2008</b> , 84, 444-51		31
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2029	Enhanced biocompatibility of Co-Cr implant material by Ti coating and micro-arc oxidation. <b>2009</b> , 90, 165-70		12
2028	Preparation and structure of ceramic coatings containing zirconium oxide on Ti alloy by plasma electrolytic oxidation. <b>2008</b> , 205, 303-307		49
2027	Microstructure, temperature estimation and thermal shock resistance of PEO ceramic coatings on aluminum. <b>2008</b> , 205, 477-481		20
2026	Plasma electrolytic deposition of titanium dioxide nanorods and nano-particles. <b>2008</b> , 208, 117-123		22
2025	Effects of current frequency on the structural characteristics and corrosion property of ceramic coatings formed on magnesium alloy by PEO technology. <b>2008</b> , 208, 9-13		58
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2023	Growth characteristics of plasma electrolytic oxidation ceramic coatings on Ti <sub>6</sub> Al <sub>4</sub> V alloy. <b>2008</b> , 254, 4084-4091		65
2022	Microstructure and corrosion resistance behavior of ceramic coatings on biomedical NiTi alloy prepared by micro-arc oxidation. <b>2008</b> , 254, 6642-6647		47
2021	Incorporation of zirconia into coatings formed by DC plasma electrolytic oxidation of aluminium in nanoparticle suspensions. <b>2008</b> , 255, 2830-2839		132
2020	Influence of microarc oxidation and hard anodizing on plain fatigue and fretting fatigue behaviour of AlMgSi alloy. <i>Surface and Coatings Technology</i> , <b>2008</b> , 202, 1462-1469	4-4	50
2019	Study of the structure and corrosion behavior of PEO coatings on AM50 magnesium alloy by electrochemical impedance spectroscopy. <i>Surface and Coatings Technology</i> , <b>2008</b> , 202, 3513-3518	4-4	213

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2016	Structure and apatite formation of microarc oxidized TiO <sub>2</sub> -based films before and after alkali-treatment by various alkali concentrations. <i>Surface and Coatings Technology</i> , <b>2008</b> , 202, 5012-5019	4.4	21
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2012	Mechanical properties of Ti(C0.7N0.3) film produced by plasma electrolytic carbonitriding of Ti6Al4V alloy. <b>2008</b> , 254, 6350-6357		43
2011	Biomimetic apatite deposited on microarc oxidized anatase-based ceramic coating. <b>2008</b> , 34, 1139-1144		36
2010	Formation mechanism of HA-based coatings by micro-arc oxidation. <b>2008</b> , 10, 510-513		71
2009	Study on microarc oxidation of AZ31B magnesium alloy in alkaline metal silicate solution. <b>2008</b> , 10, 1716-1719		31
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2007	. <b>2008</b> ,		
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2004	Study of bipolar pulsed nanocrystalline plasma electrolytic carbonitriding on nanostructure of compound layer. <b>2008</b> , 49, 212-218		1
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2002	Improvement in corrosion resistance of friction stir welded aluminum alloys with micro arc oxidation coatings. <b>2008</b> , 58, 998-1001		49
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1999	Effects of electric parameters on properties of anodic coatings formed on magnesium alloys. <b>2008</b> , 107, 356-363	87
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1997	Neural networks prediction of different frequencies effects on corrosion resistance obtained from pulsed nanocrystalline plasma electrolytic carburizing. <b>2008</b> , 62, 2192-2195	23
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1994	Effect of electrolyte pH on the structure and in vitro osteoblasts response to anodic titanium oxide. <b>2008</b> , 14, 607-613	6
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1989	Pulsed nanocrystalline plasma electrolytic carburising for corrosion protection of a TiAl alloy: Part 2. Constant frequency and duty cycle. <b>2008</b> , 462, 421-427	12
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1979	Micro-arc formation of ZrO <sub>2</sub> ceramic coatings on AZ91D Mg alloy. <b>2008</b> , 24, 355-357	6
1978	Preparation of Ceramic Composite Coatings on Ti-6Al-4V Alloy by Surface Nanocrystallization/Micro-Arc Oxidation. <b>2008</b> , 368-372, 1322-1324	2
1977	Effect of SPS on Surface Characteristics of Gas-Atomized Mg-6wt%Al-1wt%Zn Alloy by Non-Hazardous PEO Treatment. <b>2008</b> , 569, 333-336	
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1975	Hydrogen generation by glow discharge plasma electrolysis of ethanol solutions. <b>2008</b> , 41, 155205	29
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1970	Plasma electrolytic oxidation (PEO) for production of anodised coatings on lightweight metal (Al, Mg, Ti) alloys. <b>2009</b> , 87, 122-135	223
1969	Optimisation of novel bath for plasma electrolytic nitrocarburising of 316L stainless steel and study of tribological properties of treated steel surfaces. <b>2009</b> , 25, 628-633	4
1968	Dielectric and optical characterizations of insulating coatings prepared by Micro-Arc Oxidation process on aluminum space parts. <b>2009</b> ,	
1967	EFFECT OF EXCESS NEGATIVE IONS ON ANODIC OXIDATION IN MICROARC OXIDATION OF TITANIUM. <b>2009</b> , 23, 849-854	
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1953	Improved biological performance of microarc-oxidized low-modulus Ti-24Nb-4Zr-7.9Sn alloy. <b>2010</b> , 92, 298-306	15
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1949	In vitro antibacterial activity of porous TiO <sub>2</sub> -Ag composite layers against methicillin-resistant <i>Staphylococcus aureus</i> . <b>2009</b> , 5, 3573-80	180
1948	In situ formation of low friction ceramic coatings on carbon steel by plasma electrolytic oxidation in two types of electrolytes. <b>2009</b> , 255, 6240-6243	25
1947	Adjustment of the ratio of Ca/P in the ceramic coating on Mg alloy by plasma electrolytic oxidation. <b>2009</b> , 255, 6724-6728	102

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1944	Microstructure and corrosion behavior of coated AZ91 alloy by microarc oxidation for biomedical application. <b>2009</b> , 255, 9124-9131	116
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1942	Microstructure, bonding strength and thermal shock resistance of ceramic coatings on steels prepared by plasma electrolytic oxidation. <b>2009</b> , 256, 650-656	31
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1938	Study on BaTiO <sub>3</sub> films prepared by AC power microarc oxidation. <b>2009</b> , 52, 2195-2199	3
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1928	Hydrogen generation by glow discharge plasma electrolysis of methanol solutions. <b>2009</b> , 34, 48-55		71
1927	Anodization of Mg-alloy AZ91 in NaOH solutions. <i>Surface and Coatings Technology</i> , <b>2009</b> , 203, 1629-1636	4.4	27
1926	Microstructure and 3D microtomographic characterization of porosity of MAO surface layers formed on aluminium and 2214-T6 alloy. <i>Surface and Coatings Technology</i> , <b>2009</b> , 203, 1850-1855	4.4	25
1925	Small signal frequency response studies for plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2009</b> , 203, 2896-2904	4.4	25
1924	Electronic transitions during plasma electrolytic oxidation of aluminum. <i>Surface and Coatings Technology</i> , <b>2009</b> , 203, 3000-3004	4.4	34
1923	Influence of coating thickness on the galvanic corrosion properties of Mg oxide in an engine coolant. <i>Surface and Coatings Technology</i> , <b>2009</b> , 203, 3271-3277	4.4	36
1922	Effects of alloying elements on microstructure and protective properties of Al <sub>2</sub> O <sub>3</sub> coatings formed on aluminum alloy substrates by plasma electrolysis. <i>Surface and Coatings Technology</i> , <b>2009</b> , 204, 141-148	4.4	65
1921	Micro arc oxidation of S-containing TiO <sub>2</sub> films by sulfur bearing electrolytes. <b>2009</b> , 209, 762-766		28
1920	A novel method of preparation of metal ceramic coatings. <b>2009</b> , 209, 2676-2680		6
1919	Formation of ceramic alumina nanocomposite coatings on aluminium for enhanced corrosion resistance. <b>2009</b> , 209, 5341-5352		91
1918	Surface hardening of steel by plasma-electrolysis boronizing. <b>2009</b> , 30, 1726-1728		65
1917	The influence of titanium dioxide modifications on photocatalytic oxidation of lignin and humic acids. <b>2009</b> , 144, 26-30		38
1916	Nanocrystalline ceramic coating on TiAl by bipolar plasma electrolysis (effect of frequency, time and cathodic/anodic duty cycle). <b>2009</b> , 35, 2053-2059		17
1915	Characteristic, cell response and apatite-induction ability of microarc oxidized TiO <sub>2</sub> -based coating containing P on Ti6Al4V before and after chemical-treatment and dehydration. <b>2009</b> , 35, 2545-2554		20
1914	Preparation, biomimetic apatite induction and osteoblast proliferation test of TiO <sub>2</sub> -based coatings containing P with a graded structure. <b>2009</b> , 35, 2343-2350		22
1913	Interface adhesion properties of functional coatings on titanium alloy formed by microarc oxidation method. <b>2009</b> , 255, 6875-6880		34
1912	Influence of treating frequency on microstructure and properties of Al <sub>2</sub> O <sub>3</sub> coating on 304 stainless steel by cathodic plasma electrolytic deposition. <b>2009</b> , 255, 8836-8840		31
1911	Corrosion resistance of oxide layers formed on AZ91 Mg alloy in KMnO <sub>4</sub> electrolyte by plasma electrolytic oxidation. <b>2009</b> , 54, 5479-5485		98

1910	Investigation of the growth processes of coatings formed by AC plasma electrolytic oxidation of aluminium. <b>2009</b> , 54, 6767-6778	136
1909	Investigation of plasma electrolytic oxidation process on AZ91D magnesium alloy. <b>2009</b> , 9, 126-130	72
1908	Effects of graphite additives in electrolytes on the microstructure and corrosion resistance of Alumina PEO coatings. <b>2009</b> , 9, 324-328	48
1907	Formation of Al <sub>2</sub> O <sub>3</sub> coatings on NiTi alloy by micro-arc oxidation method. <b>2009</b> , 9, 663-666	29
1906	Formation of hydroxyapatite within porous TiO <sub>2</sub> layer by micro-arc oxidation coupled with electrophoretic deposition. <b>2009</b> , 5, 2196-205	117
1905	Effects of half-wave and full-wave power source on the anodic oxidation process on AZ91D magnesium alloy. <b>2009</b> , 255, 5721-5728	18
1904	Characteristic and microstructure of the microarc oxidized TiO <sub>2</sub> -based film containing P before and after chemical- and heat treatment. <b>2009</b> , 255, 7851-7857	8
1903	Formation, structure, composition, and catalytic properties of Ni-, Cu-, Mn-, Fe-, and co-containing films on aluminum. <b>2009</b> , 82, 1000-1007	8
1902	Mechanism of the Breakdown of Normal Electrolysis and the Transition to Contact Glow Discharge Electrolysis. <b>2009</b> , 156, F131	25
1901	Spectrochemical analysis by using discharge devices with solution electrodes. <b>2009</b> , 81, 862-7	111
1900	Comparison of electrochemical corrosion behaviour of MgO and ZrO <sub>2</sub> coatings on AM50 magnesium alloy formed by plasma electrolytic oxidation. <b>2009</b> , 51, 2483-2492	194
1899	Progress in corrosion resistant materials for supercritical water reactors. <b>2009</b> , 51, 2508-2523	150
1898	Plasma electrolytic oxidation of pre-anodized aluminium. <b>2009</b> , 51, 2897-2905	73
1897	Formation of micro-arc oxidation coatings on AZ91HP magnesium alloys. <b>2009</b> , 51, 2820-2825	83
1896	Improvement of corrosion resistance of pure magnesium in Hanks solution by microarc oxidation with sol-gel TiO <sub>2</sub> sealing. <b>2009</b> , 469, 286-292	177
1895	Influence of silicon on growth process of plasma electrolytic oxidation coating on AlSi alloy. <b>2009</b> , 471, 395-399	45
1894	The corrosion resistance behavior of Al <sub>2</sub> O <sub>3</sub> coating prepared on NiTi alloy by micro-arc oxidation. <b>2009</b> , 472, 276-280	60
1893	Effects of cathode current density on structure and corrosion resistance of plasma electrolytic oxidation coatings formed on ZK60 Mg alloy. <b>2009</b> , 475, 773-777	87

1892	Al <sub>2</sub> O <sub>3</sub> coating fabricated on titanium by cathodic microarc electrodeposition. <b>2009</b> , 476, 356-359	18
1891	Effect of potassium fluoride on structure and corrosion resistance of plasma electrolytic oxidation films formed on AZ31 magnesium alloy. <b>2009</b> , 480, 469-474	106
1890	Effects of Na <sub>2</sub> WO <sub>4</sub> and Na <sub>2</sub> SiO <sub>3</sub> additives in electrolytes on microstructure and properties of PEO coatings on Q235 carbon steel. <b>2009</b> , 481, 725-729	18
1889	Anti-corrosion microarc oxidation coatings on SiCP/AZ31 magnesium matrix composite. <b>2009</b> , 482, 208-212	49
1888	Effects of cathode pulse at low frequency on the structure and composition of plasma electrolytic oxidation ceramic coatings. <b>2009</b> , 488, 273-278	21
1887	Effect of the Pulse Duty Cycle on Characteristics of Plasma Electrolytic Oxidation Coatings Formed on AZ31 Magnesium Alloy. <b>2009</b> , 26, 096802	4
1886	Microstructure and Corrosion Performance of Carbonitriding Layers on Cast Iron by Plasma Electrolytic Carbonitriding. <b>2009</b> , 26, 086805	5
1885	Surface Modification of Medium Carbon Steel by Using Electrolytic Plasma Thermocyclic Treatment. <b>2009</b> , 24, 781-785	6
1884	Influence of potassium pyrophosphate in electrolyte on coated layer of AZ91 Mg alloy formed by plasma electrolytic oxidation. <b>2009</b> , 19, 824-828	13
1883	Characterization of plasma electrolytic oxide formed on AZ91 Mg alloy in KMnO <sub>4</sub> electrolyte. <b>2009</b> , 19, 829-834	15
1882	Effects of electrolytes variation on formation of oxide layers of 6061 Al alloys by plasma electrolytic oxidation. <b>2009</b> , 19, 866-870	64
1881	Corrosion Resistance of Plasma-Anodized AZ91 Mg Alloy in the Electrolyte with/without Potassium Fluoride. <b>2009</b> , 50, 671-678	40
1880	Magnesium Coatings: Description and Testing. <b>2010</b> , 512-564	
1879	Influence of Phosphate Concentration on Plasma Electrolytic Oxidation of AZ80 Magnesium Alloy in Alkaline Aluminate Solution. <b>2010</b> , 51, 94-102	22
1878	Influence of Post-Annealing on the Oxide Layer of AZ91 Mg Alloy Prepared by Plasma Electrolytic Oxidation. <b>2010</b> , 51, 408-412	7
1877	Effects of NaAlO <sub>2</sub> concentrations on structure and characterization of micro-arc oxidation coatings formed on biomedical NiTi alloy. <b>2010</b> , 118, 113-117	8
1876	?????????????. <b>2010</b> , 61, 204	
1875	The organization of the surface of multicomponent plasma-electrolytic anode layers on aluminum. <b>2010</b> , 84, 1059-1064	5

1874	Anode electrochemical thermal modification of metals and alloys. <b>2010</b> , 46, 558-569		28
1873	Effect of compositions of active electrolytes on properties of anodic carburization. <b>2010</b> , 46, 715-720		20
1872	Spectroscopic study of electrolytic plasma and discharging behaviour during the plasma electrolytic oxidation (PEO) process. <b>2010</b> , 43, 105203		371
1871	Building micro and nanosystems with electrochemical discharges. <b>2010</b> , 55, 8189-8196		39
1870	Luminescence properties of oxide films formed by anodization of aluminum in 12-tungstophosphoric acid. <b>2010</b> , 55, 3857-3863		41
1869	Synthesis and properties of hydroxyapatite-containing porous titania coating on ultrafine-grained titanium by micro-arc oxidation. <b>2010</b> , 6, 2816-25		151
1868	Effect of frequency on the structure and cell response of Ca- and P-containing MAO films. <b>2010</b> , 256, 2018-2024		35
1867	Comparison of coating properties obtained by MAO on magnesium alloys in silicate and phytic acid electrolytes. <b>2010</b> , 10, 255-259		42
1866	Preparation of PEO ceramic coating on Ti alloy and its high temperature oxidation resistance. <b>2010</b> , 10, 698-702		38
1865	Effect of additives on structure and corrosion resistance of plasma electrolytic oxidation coatings on AZ91D magnesium alloy in phosphate based electrolyte. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, S36-S40	4.4	46
1864	Evaluation of micromechanical behaviour of plasma electrolytic oxidation (PEO) coatings on Ti-6Al-4V. <i>Surface and Coatings Technology</i> , <b>2010</b> , 204, 3399-3409	4.4	93
1863	Fabrication of TiC/WC ultra hard nanocomposite layers by plasma electrolysis and study of its characteristics. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, S51-S56	4.4	23
1862	Optimization of the coating parameters for micro-arc oxidation of Cp-Ti. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, 1764-1773	4.4	38
1861	Influence of process parameters on electrolytic plasma discharging behaviour and aluminum oxide coating microstructure. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, 1659-1667	4.4	133
1860	Substitution of hexavalent chromate conversion treatment with a plasma electrolytic oxidation process to improve the corrosion properties of ion vapour deposited AlMg coatings. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, 1750-1756	4.4	17
1859	Local arc discharge mechanism and requirements of power supply in micro-arc oxidation of magnesium alloy. <b>2010</b> , 5, 98-105		6
1858	Effect of SiO <sub>2</sub> /OH plasma electrolytic oxidation of Ti-5Mo-4V-3Al. <b>2010</b> , 33, 469-474		1
1857	Effects of KMnO <sub>4</sub> on microstructure and corrosion resistance of microarc oxidation coatings on 2024 aluminum alloy. <b>2010</b> , 17, 223-227		6



1856	High-Cycle Fatigue Behavior of Microarc Oxidation Coatings Deposited on a 6061-T6 Al Alloy. <b>2010</b> , 41, 255-265	20
1855	Surface Modification of AISI 1045 Carbon Steel by the Electrolytic Plasma Process. <b>2010</b> , 41, 906-911	2
1854	Plasma electrolytic ceramic-like aluminum oxide coatings on iron. <b>2010</b> , 40, 365-374	36
1853	A mechanistic model of the gas film dynamics during the electrochemical discharge phenomenon. <b>2010</b> , 40, 1853-1858	12
1852	Surface characteristics of 4340 steel treated by electrolytic plasma processing. <b>2010</b> , 45, 562-565	5
1851	Effects of processing parameters on microstructures of TiO <sub>2</sub> coatings formed on titanium by plasma electrolytic oxidation. <b>2010</b> , 45, 6235-6241	21
1850	Anode saturation with nitrogen and carbon in aqueous solutions of carbamide-bearing electrolytes. <b>2010</b> , 52, 20-24	17
1849	Characterization of ceramic coatings fabricated on zirconium alloy by plasma electrolytic oxidation in silicate electrolyte. <b>2010</b> , 120, 656-660	79
1848	Effects of cathodic voltages on the structure and properties of ceramic coatings formed on NiTi alloy by micro-arc oxidation. <b>2010</b> , 121, 172-177	37
1847	The outward/inward growth behavior of microarc oxidation coatings in phosphate and silicate solution. <b>2010</b> , 64, 2102-2104	40
1846	Influence of zirconia on biomimetic apatite formation in pure titanium coated via plasma electrolytic oxidation. <b>2010</b> , 64, 2714-2717	27
1845	Ultrafast synthesis of layered titanate microspherulite particles by electrochemical spark discharge spallation. <b>2010</b> , 16, 7704-8	43
1844	Visible photodecomposition of methylene blue over micro arc oxidized WO <sub>3</sub> /TiO <sub>2</sub> nano-porous layers. <b>2010</b> , 382, 322-331	109
1843	On the photocatalytic activity of the sulfur doped titania nano-porous films derived via micro-arc oxidation. <b>2010</b> , 389, 60-67	63
1842	Cross-linked gelatin/nanoparticles composite coating on micro-arc oxidation film for corrosion and drug release. <b>2010</b> , 256, 2367-2371	60
1841	Synthesis of narrow band gap (V <sub>2</sub> O <sub>5</sub> ) <sub>x</sub> (TiO <sub>2</sub> ) <sub>1-x</sub> nano-structured layers via micro arc oxidation. <b>2010</b> , 256, 2903-2909	43
1840	In situ formation of Al <sub>2</sub> O <sub>3</sub> /BiO <sub>2</sub> /SnO <sub>2</sub> composite ceramic coating by microarc oxidation on Al-0%Sn alloy. <b>2010</b> , 256, 3443-3447	9
1839	MAO-synthesized Al <sub>2</sub> O <sub>3</sub> -supported V <sub>2</sub> O <sub>5</sub> nano-porous catalysts: Growth, characterization, and photoactivity. <b>2010</b> , 256, 3806-3811	15

1838	Surface nano-functionalization of biomaterials. <b>2010</b> , 70, 275-302		213
1837	Improving sliding and abrasive wear behaviour of cast A356 and wrought AA7075 aluminium alloys by plasma electrolytic oxidation. <b>2010</b> , 31, 816-828		79
1836	Pulse current plasma assisted electrolytic cleaning of AISI 4340 steel. <b>2010</b> , 210, 54-63		32
1835	In situ growth of vanadia/titania nano/micro-porous layers with enhanced photocatalytic performance by micro-arc oxidation. <b>2010</b> , 55, 3093-3102		61
1834	Preparation and characterization of spark-anodized Al-alloys: Physical, chemical and tribological properties. <b>2010</b> , 43, 1253-1261		34
1833	The effect of substrate composition on the electrochemical and mechanical properties of PEO coatings on Mg alloys. <i>Surface and Coatings Technology</i> , <b>2010</b> , 204, 1305-1313	4.4	56
1832	Microstructure and corrosion resistance of ceramic coating on carbon steel prepared by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2010</b> , 204, 1685-1688	4.4	64
1831	Plasma electrolytic oxidation of a zirconium alloy under AC conditions. <i>Surface and Coatings Technology</i> , <b>2010</b> , 204, 2142-2151	4.4	67
1830	Effects of the electric conditions of AC-type microarc oxidation and hydrothermal treatment solution on the characteristics of hydroxyapatite formed on titanium. <i>Surface and Coatings Technology</i> , <b>2010</b> , 204, 2273-2278	4.4	35
1829	Surface pretreatment of austenitic stainless steel and copper by chemical, plasma electrolytic or CO <sub>2</sub> cryoblasting techniques for sol-gel coating. <i>Surface and Coatings Technology</i> , <b>2010</b> , 204, 2424-2431	4.4	9
1828	Nitrogen inducing effect on preparation of ALON/Al <sub>2</sub> O <sub>3</sub> coatings on Al6061 alloy by electrolytic plasma processing. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, S11-S14	4.4	12
1827	Characteristic of ALON/Al <sub>2</sub> O <sub>3</sub> coatings on Al6061 alloy by electrolytic plasma processing in aluminate and nitride electrolytes. <i>Surface and Coatings Technology</i> , <b>2010</b> , 204, 3196-3199	4.4	12
1826	Self-lubricating Al <sub>2</sub> O <sub>3</sub> /PTFE composite coating formation on surface of aluminium alloy. <i>Surface and Coatings Technology</i> , <b>2010</b> , 204, 3315-3318	4.4	87
1825	Abrasive wear behaviour of Si <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> nanocomposite coatings fabricated by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, S41-S46	4.4	70
1824	Surface characterisation of DC plasma electrolytic oxidation treated 6082 aluminium alloy: Effect of current density and electrolyte concentration. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, 1679-1688	4.4	132
1823	AC PEO of aluminium with porous alumina precursor films. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, 1668-1678	4.4	44
1822	Characterization of the surface layers formed on titanium by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, 1743-1749	4.4	49
1821	Characteristics and biological responses of novel coatings containing strontium by micro-arc oxidation. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, 1714-1722	4.4	26

1820	Effect of the electrolytic solution composition on the performance of micro-arc anodic oxidation films formed on AM60B magnesium alloy. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, 1783-1788	4-4	53
1819	PEO-coating/substrate interface investigation by localised electrochemical impedance spectroscopy. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, 1697-1701	4-4	54
1818	Investigation of Plasma Electrolytic Oxidation (PEO) coatings on a Zr <sub>2</sub> .5Nb alloy using high temperature/pressure autoclave and tribological tests. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, 1774-1782	4-4	55
1817	Preparation and tribological properties of thin oxide coatings on an Al383/SiO <sub>2</sub> metallic matrix composite. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, 1689-1696	4-4	8
1816	Correlation between KOH concentration and surface properties of AZ91 magnesium alloy coated by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, 2525-2531	4-4	95
1815	Porous TiO <sub>2</sub> film prepared by micro-arc oxidation and its electrochemical behaviors in Hank's solution. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, 1730-1735	4-4	47
1814	Voltastatic studies of magnesium anodising in alkaline solutions. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, 1527-1531	4-4	19
1813	TEM analysis and tribological properties of Plasma Electrolytic Oxidation (PEO) coatings on a magnesium engine AJ62 alloy. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, 1508-1514	4-4	35
1812	Optical emission spectroscopy studies of discharge mechanism and plasma characteristics during plasma electrolytic oxidation of magnesium in different electrolytes. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, 1651-1658	4-4	91
1811	PEO layers obtained from mixed aluminate-phosphate baths on Ti6Al4V: Dry sliding behaviour and influence of a PTFE topcoat. <b>2010</b> , 269, 747-756		89
1810	Formation of titania composite coatings on carbon steel by plasma electrolytic oxidation. <b>2010</b> , 256, 5818-5823		18
1809	Effect of NaAlO <sub>2</sub> concentrations on microstructure and corrosion resistance of Al <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> coatings formed on zirconium by micro-arc oxidation. <b>2010</b> , 256, 6359-6366		55
1808	Effect of surface roughness on leakage current and corrosion resistance of oxide layer on AZ91 Mg alloy prepared by plasma electrolytic oxidation. <b>2010</b> , 256, 6667-6672		67
1807	One step growth of WO <sub>3</sub> -loaded Al <sub>2</sub> O <sub>3</sub> micro/nano-porous films by micro arc oxidation. <b>2010</b> , 355, 187-192		39
1806	Study on the preparation of nano-flaky anatase titania layer and their photovoltaic application. <b>2010</b> , 10, S180-S183		11
1805	Influence of chloride ion concentration on the electrochemical corrosion behaviour of plasma electrolytic oxidation coated AM50 magnesium alloy. <b>2010</b> , 55, 6802-6811		108
1804	Study on Micro-Arc Oxidized Coatings on Magnesium in Three Different Electrolytes. <b>2010</b> , 39, 1129-1134		14
1803	Optimisation of the plasma electrolytic oxidation process efficiency on aluminium. <b>2010</b> , 42, 221-226		35

1802	Comparative analysis of the composition, structure, and catalytic activity of the NiO-CuO-TiO <sub>2</sub> on Titanium and NiO-CuO-Al <sub>2</sub> O <sub>3</sub> on aluminum composites. <b>2010</b> , 51, 266-272	21
1801	Wear Protection of Al383/SiO <sub>2</sub> Metal Matrix Composites by Plasma Electrolytic Oxidation (PEO) Process. <b>2010</b> , 3, 55-62	3
1800	Fabrication of n-SiO <sub>2</sub> Reinforced Al <sub>2</sub> O <sub>3</sub> Composite Coatings on 7A52 Aluminium Alloy by Micro-Arc Oxidation. <b>2010</b> , 97-101, 1463-1466	2
1799	Duplex surface treatments of light alloys. <b>2010</b> , 501-545	1
1798	Characteristic of Microarc Oxidized Coatings on Titanium Alloy Formed in Electrolytes Containing Aluminate and ZrO <sub>2</sub> Particles. <b>2010</b> , 105-106, 502-504	3
1797	Effect of Titania Nanoparticles on Micro-Arc Anodizing of AM60B Magnesium Alloy. <b>2010</b> , 654-656, 1876-1879	4
1796	Influences of Different Calcinations Ambience on Phase Composition and Morphologies of Ceramic Coatings on Ti Alloy by Micro-Arc Oxidation. <b>2010</b> , 97-101, 1554-1557	
1795	Preparation of CTS Coatings Containing Calcium and Phosphorus on Titanium Surface by the Cathode Liquid Phase Plasma Technology. <b>2010</b> , 12, 614-618	2
1794	Preparation of Compact Micro-Arc Oxidation Coatings on Aluminum Alloys. <b>2010</b> , 33, 492-495	
1793	Influences of Argon Atmosphere on Ceramic Coatings on Ti Alloy by Micro-Arc Oxidation in Na <sub>2</sub> SiO <sub>3</sub> Solutions. <b>2010</b> , 177, 404-406	
1792	A Composite Coating for Corrosion and Wear Protection of AM60B Magnesium Alloy. <b>2010</b> , 138, 79-84	2
1791	Study on the Formation Mechanism of Micro-Arc Oxidation Coatings on Magnesium Alloys. <b>2010</b> , 650, 228-233	6
1790	Tribological Properties of the Ceramic Coatings Prepared by Plasma Electrolytic Oxidation (PEO) on the Al6061 Alloy. <b>2010</b> , 123-125, 1063-1066	2
1789	Growth and Photodegradation Characteristics of Nano-Crystalline Titania Coating Prepared by MAO. <b>2010</b> , 160-162, 968-973	1
1788	Effects of Applied Voltages on Micro-Arc Oxidized Coatings of Magnesium Alloy AZ91D in Aluminate Solution. <b>2010</b> , 154-155, 471-474	1
1787	Properties of Composite Ceramic Coatings on Ti-6Al-4V Alloy by Surface Nanocrystallization/Micro-Arc Oxidation. <b>2010</b> , 105-106, 67-69	2
1786	Corrosion and protection of magnesium alloy welds. <b>2010</b> , 79-94	1
1785	Characterization of Plasma Electrolytic Oxidation Films Formed on AZ31 Magnesium Alloys by Different Voltage Parameters. <b>2010</b> , 168-170, 1203-1208	

1784	Plasma Electrolytic Carbonitriding of 20CrMnTi Steel. <b>2010</b> , 154-155, 1393-1396	2
1783	Forming Ceramic Coating on Al2024 by Scanning Micro-Arc Oxidation. <b>2010</b> , 42, 485-488	1
1782	Study on Energy-Saving Mode of High-Quality Anti-Corrosion Micro Arc Oxidation Coatings on Magnesium. <b>2010</b> , 33, 479-482	
1781	Structure and Property of Micro Arc Oxidation Ceramic Coatings on Al Alloy in K2ZrF6 Solution. <b>2010</b> , 105-106, 505-508	3
1780	Preperation of Ceramic Coatings on Ti Alloy by Surface Nanocrystallization/Micro-Arc Oxidation. <b>2010</b> , 146-147, 1821-1824	1
1779	Anodising of light alloys. <b>2010</b> , 83-109	6
1778	MICROSTRUCTURES AND ABRASIVE PROPERTIES OF THE OXIDE COATINGS ON Al6061 ALLOYS PREPARED BY PLASMA ELECTROLYTIC OXIDATION IN DIFFERENT ELECTROLYTES. <b>2010</b> , 17, 271-276	
1777	THE EFFECT OF TITANIA SOL IN PHOSPHATE ELECTROLYTE ON MICROARC OXIDATION COATINGS ON ALUMINUM ALLOY. <b>2010</b> , 24, 3190-3195	4
1776	Effects of SiO. <b>2010</b> ,	
1775	Influence of electrolyte constituents on corrosion behaviour of PEO coatings on magnesium alloys. <b>2010</b> , 26, 321-327	16
1774	Low energy-consumption plasma electrolytic oxidation based on grid cathode. <b>2010</b> , 81, 103504	12
1773	Film Formation via Plasma Electrolyte Oxidation of Ti and Ti-5Mo-4V-3Al Alloy in High Alkaline Solutions. <b>2010</b> , 297-301, 1167-1170	2
1772	Preparation of ceramic conversion layers containing Ca and P on AZ91D Mg alloys by plasma electrolytic oxidation. <b>2010</b> , 26, 317-320	26
1771	Effects of Voltage on the Characteristics and Corrosion Resistance of Microarc Oxidation Coatings on Ti6Al4V Alloy. <b>2010</b> , 97-101, 1336-1339	
1770	Anodic oxidation and sol-gel coatings for corrosion and wear protection of AM60B alloy. <b>2010</b> , 88, 57-62	16
1769	Using Micro-Arc Oxidation and Alkali Etching to Produce a Nanoporous TiO2 Layer on Titanium Foil for Flexible Dye-Sensitized Solar Cell Application. <b>2010</b> , 49, 092301	4
1768	Influences of current density on tribological characteristics of ceramic coatings on ZK60 Mg alloy by plasma electrolytic oxidation. <b>2010</b> , 2, 808-12	53
1767	Hierarchical layered titanate microspherulite: formation by electrochemical spark discharge spallation and application in aqueous pollutant treatment. <b>2010</b> , 20, 10169	47

1766	The influence of additives on the stability behavior of electrolyte, discharges and PEO films characteristics. <b>2010</b> , 493, 445-452	45
1765	Formation of uniform passive oxide layers on high Si content Al alloy by plasma electrolytic oxidation. <b>2010</b> , 504, S527-S530	30
1764	Effect of alumina sol addition to micro-arc oxidation electrolyte on the properties of MAO coatings formed on magnesium alloy AZ91D. <b>2010</b> , 496, 548-552	101
1763	Surface modification of Mg <sub>95</sub> Zn <sub>4.3</sub> Y <sub>0.7</sub> alloy powder consolidates by plasma electrolytic oxidation. <b>2010</b> , 504, S328-S331	2
1762	Preparation and in vitro evaluation of nanostructured TiO <sub>2</sub> /TCP composite coating by plasma electrolytic oxidation. <b>2010</b> , 498, 172-178	40
1761	Influence of sodium silicate concentration on structural and tribological properties of microarc oxidation coatings on 2017A aluminum alloy substrate. <b>2010</b> , 504, 519-526	71
1760	Effects of fluoride on the structure and properties of microarc oxidation coating on aluminium alloy. <b>2010</b> , 505, 188-193	53
1759	Influence of pH on the deterioration of plasma electrolytic oxidation coated AM50 magnesium alloy in NaCl solutions. <b>2010</b> , 52, 540-547	78
1758	Investigation of the mechanism of plasma electrolytic oxidation of aluminium using 18O tracer. <b>2010</b> , 52, 1070-1076	52
1757	Film formation in the second step of micro-arc oxidation on magnesium alloys. <b>2010</b> , 52, 1285-1290	68
1756	Corrosion evaluation of microarc oxidation coatings formed on 2024 aluminium alloy. <b>2010</b> , 52, 2687-2696	92
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1754	Electrochemical study of growth behaviour of plasma electrolytic oxidation coating on Ti6Al4V: Effects of the additive. <b>2010</b> , 52, 3465-3473	54
1753	Corrosion behaviour of a magnesium matrix composite with a silicate plasma electrolytic oxidation coating. <b>2010</b> , 52, 3738-3749	54
1752	Effect of Optimization of Shot Peening Parameters on Surface Integrity of NAK80. <b>2010</b> , 426-427, 537-539	3
1751	Corrosion Resistance and Antibacterial Properties of Ag-Containing MAO Coatings on AZ31 Magnesium Alloy Formed by Microarc Oxidation. <b>2010</b> , 157, C131	31
1750	Corrosion resistance of micro-arc oxidized ceramic coating on cast hypereutectic alloy. <b>2010</b> , 20, 2204-2207	10
1749	Corrosion protection of composite coating combining ceramic layer, copper layer and benzotriazole layer on magnesium alloy. <b>2010</b> , 20, s693-s696	4

1748	Effects of Current Frequency on the Microstructure and Wear Resistance of Ceramic Coatings Embedded with SiC Nano-particles Produced by Micro-arc Oxidation on AZ91D Magnesium Alloy. <b>2010</b> , 26, 865-871	43
1747	Effects of Current Density on the Microstructure and the Corrosion Resistance of Alumina Coatings Embedded with SiC Nano-particles Produced by Micro-arc Oxidation. <b>2010</b> , 26, 1016-1020	39
1746	Characteristics of sealed plasma electrolytic oxidation coatings with electrochemical impedance spectroscopy. <b>2010</b> , 19, 085202	9
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1744	Effects of current density on coating kinetic and micro-structure of microarc oxidation coatings fabricated on pure aluminum. <b>2010</b> ,	
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1742	Corrosion Properties of Nanostructured Coatings Made by Plasma Electrolytic Saturation. <b>2010</b> , 85-138	
1741	Nanostructured Coatings Made by Plasma Electrolytic Oxidation. <b>2010</b> , 211-235	
1740	Plasma electrolytic oxidation treatment of aluminium and titanium alloys. <b>2010</b> , 110-154	28
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1734	Effect of Rare Earth Salt on Ceramic Membrane Formed by Micro-Arc Oxidation. <b>2011</b> , 148-149, 1378-1382	
1733	Investigation of corrosion behaviour of carbon steel coated by pulsed plasma electrolytic boronising technique in 3% wt-%NaCl aqueous solution. <b>2011</b> , 27, 509-514	15
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1722	Characterization of oxide coatings formed on tantalum by plasma electrolytic oxidation in 12-tungstosilicic acid. <b>2011</b> , 257, 10590-10594	53
1721	Influence of FeSO <sub>4</sub> concentration on thermal emissivity of coatings formed on titanium alloy by micro-arc oxidation. <b>2011</b> , 257, 10839-10844	37
1720	Dielectric breakdown and healing of anodic oxide films on aluminium under single pulse anodizing. <b>2011</b> , 53, 1838-1844	21
1719	Investigation of the plasma electrolytic oxidation of Ti6Al4V under single-pulse power supply. <b>2011</b> , 53, 2253-2262	58
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1717	An electrochemical analysis of AZ91 Mg alloy processed by plasma electrolytic oxidation followed by static annealing. <b>2011</b> , 509, S468-S472	13
1716	Micro-arc oxidation of TC4 substrates to fabricate TiO <sub>2</sub> /YAG:Ce <sup>3+</sup> compound films with enhanced photocatalytic activity. <b>2011</b> , 509, L137-L141	32
1715	Corrosion response of annealed oxide film of pure Mg via plasma electrolytic oxidation in an electrolyte containing KMnO <sub>4</sub> . <b>2011</b> , 509, S473-S477	10
1714	Effect of electrolyte on surface properties of pure titanium coated by plasma electrolytic oxidation. <b>2011</b> , 509, S478-S481	60
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1712	Evolution of active species and discharge sparks in Na <sub>2</sub> SiO <sub>3</sub> electrolyte during PEO process. <b>2011</b> , 509, 7652-7656	16
1711	Characterization and corrosion behavior of ceramic coating on magnesium by micro-arc oxidation. <b>2011</b> , 509, 8601-8606	98
1710	Electrophoretic enhanced micro arc oxidation of ZrO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> nanostructured porous layers. <b>2011</b> , 509, 9351-9355	33
1709	Effect of Ringer's Solution on Wear and Friction of Stainless Steel 316L after Plasma Electrolytic Nitrocarburising at Low Voltages. <b>2011</b> , 27, 906-912	27
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1705	Effects of Oxidation Time on Micro-arc Oxidized Coatings of Magnesium Alloy AZ91D in Aluminate Solution. <b>2011</b> , 537-541	
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1702	Titanium oxide antibacterial surfaces in biomedical devices. <b>2011</b> , 34, 929-46	186
1701	Effect of Pulse Frequency on Corrosion Behavior of AZ91 Mg Alloy Treated by Microarc Discharge Oxidation Coating. <b>2011</b> , 52, 580-583	4
1700	Electrochemical Corrosion Properties of AZ91 Mg Alloy via Plasma Electrolytic Oxidation and Subsequent Annealing. <b>2011</b> , 52, 1697-1700	8
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1684	Micro-arc oxidation of Ti6Al4V and Ti6Al7Nb alloys for biomedical applications. <b>2011</b> , 62, 304-311		81
1683	Preparation and in vitro degradation of the composite coating with high adhesion strength on biodegradable MgZnCa alloy. <b>2011</b> , 62, 1158-1165		39
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1678	Microstructure and photocatalytic properties of WO <sub>3</sub> /TiO <sub>2</sub> composite films by plasma electrolytic oxidation. <b>2011</b> , 129, 242-248		72
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1676	Effect of zirconia sol in electrolyte on the characteristics of microarc oxidation coating on AZ91D magnesium. <b>2011</b> , 65, 413-415	39
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1672	Incorporation of carbon nanotubes into micro-coatings film formed on aluminum alloy via plasma electrolytic oxidation. <b>2011</b> , 65, 2269-2273	26
1671	Fabrication of HAp/BYSZ composite layer on Ti/TiO <sub>2</sub> nanoporous substrate by EPD/MAO method. <b>2011</b> , 65, 3421-3423	6
1670	Shape-controlled synthesis of SrNb <sub>2</sub> O <sub>6</sub> crystallites by an electrochemical process assisted with surfactants. <b>2011</b> , 6, 661	
1669	Wear behavior of plasma electrolytic oxidation (PEO) and hybrid coatings of PEO and laser on MRI 230D magnesium alloy. <b>2011</b> , 271, 1987-1997	40
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1658	Improvement in corrosion resistance of micro arc oxidation coating formed on AZ91D magnesium alloy via applying a nano-crystalline sol-gel layer. <b>2011</b> , 59, 297-303	30
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1653	Two-step plasma electrolytic oxidation of Ti-5V-3Al-3Cr-3Sn for wear-resistant and adhesive coating. <i>Surface and Coatings Technology</i> , <b>2011</b> , 205, 4732-4740	4-4 52
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1638	Micro arc oxidized HAp/TiO <sub>2</sub> nanostructured hybrid layers-part I: Effect of voltage and growth time. <b>2011</b> , 257, 5944-5949			51
1637	Corrosion and wear properties of PEO coatings formed on AM60B alloy in NaAlO <sub>2</sub> electrolytes. <b>2011</b> , 257, 9135-9141			60
1636	The crack propagating behavior of composite coatings prepared by PEO on aluminized steel during in situ tensile processing. <b>2011</b> , 528, 1409-1414			18
1635	Electrochemical synthesis of nanocrystalline SrNb <sub>2</sub> O <sub>6</sub> powders and characterization of their photocatalytic property. <b>2011</b> , 176, 701-705			5
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1633	Corrosion protection of biodegradable magnesium implants using anodization. <b>2011</b> , 31, 215-223			77
1632	Microstructure and surface characteristics of hydroxyapatite coating on titanium and Ti-30Nb-1Fe-1Hf alloy by anodic oxidation and hydrothermal treatment. <i>Surface and Coatings Technology</i> , <b>2011</b> , 205, 2899-2906	4.4		20
1631	Deposition, characterization and performance evaluation of ceramic coatings on metallic substrates for supercritical water-cooled reactors. <i>Surface and Coatings Technology</i> , <b>2011</b> , 205, 3512-3519	4.4		33
1630	Effects of addition of Al(NO <sub>3</sub> ) <sub>3</sub> to electrolytes on alumina coatings by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2011</b> , 205, 3677-3682	4.4		19
1629	Structure of microarc oxidized coatings containing Si, Ca and Na on titanium and deposition of cefazolin sodium/chitosan composite film. <i>Surface and Coatings Technology</i> , <b>2011</b> , 205, 3798-3804	4.4		12
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1627	Preparation and characterization of duplex PEO/MoC coatings on Mg/Li alloy. <i>Surface and Coatings Technology</i> , <b>2011</b> , 205, 4500-4506	4.4		33
1626	A composite coating for corrosion protection of AM60B magnesium alloy. <i>Surface and Coatings Technology</i> , <b>2011</b> , 205, 4459-4465	4.4		70
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1598	Corrosion Mechanism of PEO Films on AZ31 Magnesium Alloys. <b>2012</b> , 461, 220-223	2
1597	Oxide Layer Modification of Mg-Al Alloy Coated by Plasma Electrolytic Oxidation Using Zirconia Particles. <b>2012</b> , 463-464, 406-409	1
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1595	The Growth Process of the PEO Films under Escalating Voltage Waveform (II). <b>2012</b> , 461, 228-231	
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1593	Effects of Sodium Citrate on MAO Process and Characteristics of Coatings Fabricated on AZ91D Magnesium Alloy. <b>2012</b> , 502, 320-324	1
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1589	Influences of Calcination Ambiences on Morphologies, Phase Composition and Contents of the Elements of Ceramic Coatings on Ti Alloy by Micro-Arc Oxidation. <b>2012</b> , 512-515, 1066-1069	
1588	Effect of PEO Coating Microstructure on Corrosion of Al 2024. <b>2012</b> , 159, C597-C606	23
1587	Influence of Regimes Electrolytic Plasma Cementation on the Mechanical Properties of Steel 12Cr18Ni10Ti. <b>2012</b> , 531-532, 173-177	3

1586	Characterization of Graphite Containing Ceramic Coating Prepared on Carbon Steel by Plasma Electrolytic Oxidation. <b>2012</b> , 271-272, 46-49	6
1585	Microstructure and Protertise of Self-Lubricative Ceramic Coatings on Carbon Steel by PEO in Aluminate Electrolyte Containing Graphite. <b>2012</b> , 557-559, 1716-1720	3
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1583	In situ fabrication of blue ceramic coatings on wrought Al Alloy 2024 by plasma electrolytic oxidation. <b>2012</b> , 30, 021302	20
1582	Friction and counterface wear influenced by surface profiles of plasma electrolytic oxidation coatings on an aluminum A356 alloy. <b>2012</b> , 30, 061402	14
1581	Study of Tribological Properties of Micro-Arc Oxidation Ceramic Coatings Prepared with Different Impulse Frequency on Aluminum Alloy. <b>2012</b> , 538-541, 368-372	2
1580	Microstructure and Corrosion Resistance of Black Microarc Oxidation Ceramic Coatings on Magnesium Alloy. <b>2012</b> , 581-582, 427-430	0
1579	Changes of Mechanical Properties of Steel 12Cr18Ni10Ti after Electrolytic-Plasma Cementation. <b>2012</b> , 601, 59-63	5
1578	Structure and Photocatalytic Properties of Fixed Porous TiO <sub>2</sub> Composite Film on Steel Prepared by Plasma Electrolytic Oxidation. <b>2012</b> , 217-219, 1073-1076	
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1576	Fluoride Influence on the Properties of Oxide Layer Produced by Plasma Electrolytic Oxidation. <b>2012</b> , 326-328, 498-503	1
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1573	Effect of pulse frequency on growth kinetics of ceramic coatings formed on 2090 AlTi alloy. <b>2012</b> , 28, 442-447	1
1572	Titanium Oxide Modeling and Design for Innovative Biomedical Surfaces: A Concise Review. <b>2012</b> , 35, 629-641	19
1571	Characterization of Porous TiO <sub>2</sub> Surfaces Formed on 316L Stainless Steel by Plasma Electrolytic Oxidation for Stent Applications. <b>2012</b> , 3, 349-60	12
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1569	Formation of HA/Al <sub>2</sub> O <sub>3</sub> composite coating on NiTi alloy by micro-arc oxidation and hydrothermal treatment. <b>2012</b> , 120, 548-550	



1568	DUPLEX Al <sub>2</sub> O <sub>3</sub> /DLC COATING ON 15SiCp/2024 ALUMINUM MATRIX COMPOSITE USING COMBINED MICROARC OXIDATION AND FILTERED CATHODIC VACUUM ARC DEPOSITION. <b>2012</b> , 19, 1250036		3
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1566	Effect of micro arc oxidation treatment on localized corrosion behaviour of AA7075 aluminum alloy in 3.5% NaCl solution. <b>2012</b> , 22, 700-710		64
1565	Bifunctional Fe-containing coatings formed on aluminum by plasma-electrolytic oxidation. <b>2012</b> , 85, 1686-1690		5
1564	Titanium oxide modeling and design for innovative biomedical surfaces: a concise review. <b>2012</b> , 35, 629-41		7
1563	Role of sintering and clay particle additions on coating formation during PEO processing of AM50 magnesium alloy. <i>Surface and Coatings Technology</i> , <b>2012</b> , 213, 48-58	4-4	47
1562	Analysis and Review of Chemical Reactions and Transport Processes in Pulsed Electrical Discharge Plasma Formed Directly in Liquid Water. <b>2012</b> , 32, 875-917		151
1561	Effect of C/N Concentration Fluctuation on Formation of Plasma Electrolytic Carbonitriding Coating on Q235. <b>2012</b> , 19, 39-45		12
1560	Electrochemical surface modifications of titanium and titanium alloys for biomedical applications. <b>2012</b> , 106-142		9
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1558	Structure and properties of TiO <sub>2</sub> coatings on biomedical NiTi alloy by microarc oxidation. <b>2012</b> , 28, 1000-1005		5
1557	Plasma electroplating Ni coating on pure copper sheet—the effects of H <sub>2</sub> SO <sub>4</sub> concentration on the microstructure and mechanical properties. <i>Surface and Coatings Technology</i> , <b>2012</b> , 206, 4411-4416	4-4	18
1556	Investigation of the discharge mechanism of plasma electrolytic oxidation using Ti tracer. <i>Surface and Coatings Technology</i> , <b>2012</b> , 206, 4462-4465	4-4	28
1555	Effect of a bioactive glass-ceramic on the apatite nucleation on titanium surface modified by micro-arc oxidation. <i>Surface and Coatings Technology</i> , <b>2012</b> , 206, 4601-4605	4-4	12
1554	Assessment of duplex coating combining plasma electrolytic oxidation and polymer layer on AZ31 magnesium alloy. <i>Surface and Coatings Technology</i> , <b>2012</b> , 206, 4692-4703	4-4	88
1553	Micro-arc oxidation flyback switching current pulse unit and combination of multi-units. <b>2012</b> ,		
1552	Fabrication of functionally gradient nanocomposite coatings by plasma electrolytic oxidation based on variable duty cycle. <b>2012</b> , 258, 2093-2097		22
1551	Preparation of ceramic coating on Ti substrate by plasma electrolytic oxidation in different electrolytes and evaluation of its corrosion resistance: Part II. <b>2012</b> , 258, 2416-2423		168

1550	Iron-containing coatings obtained by microplasma method on aluminum with usage of homogeneous electrolytes. <b>2012</b> , 258, 2761-2765	28
1549	Composite coating prepared by micro-arc oxidation followed by sol-gel process and in vitro degradation properties. <b>2012</b> , 258, 2939-2943	29
1548	Correlations between the optical emission spectra and microstructure of microplasma coatings on aluminum 2024 alloy. <b>2012</b> , 258, 4871-4876	8
1547	Preparation, characterization and mechanical properties of microarc oxidation coating formed on titanium in Al(OH) <sub>3</sub> colloidal solution. <b>2012</b> , 258, 5238-5243	11
1546	Porous NiTi surfaces for biomedical applications. <b>2012</b> , 258, 5244-5249	23
1545	Effects of anodic oxidation and hydrothermal treatment on surface characteristics and biocompatibility of Ti <sub>3</sub> Al <sub>2</sub> Nb <sub>2</sub> Fe <sub>2</sub> Hf alloy. <b>2012</b> , 258, 6190-6198	23
1544	Preparation Al <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> composite coating in an alkaline phosphate electrolyte containing K <sub>2</sub> ZrF <sub>6</sub> on aluminum alloy by microarc oxidation. <b>2012</b> , 258, 5869-5875	22
1543	Synthesis and tribological properties of diamond-like carbon films by electrochemical anode deposition. <b>2012</b> , 258, 6527-6530	11
1542	Preparation and tribological properties of self-lubricating TiO <sub>2</sub> /graphite composite coating on Ti6Al4V alloy. <b>2012</b> , 258, 8570-8576	69
1541	Formation of microarc oxidation coatings on magnesium alloy with photocatalytic performance. <b>2012</b> , 258, 10017-10021	29
1540	High-compactness coating grown by plasma electrolytic oxidation on AZ31 magnesium alloy in the solution of silicate-Borax. <b>2012</b> , 259, 362-366	26
1539	Effect of Ar bubbling during plasma electrolytic oxidation of AZ31B magnesium alloy in silicate electrolyte. <b>2012</b> , 259, 454-459	20
1538	The effect of Zn on the microarc oxidation coating behavior of synthetic Al <sub>2</sub> Zn binary alloys. <b>2012</b> , 525, 159-165	28
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1536	Cathodic pulse breakdown of anodic films on aluminium in alkaline silicate electrolyte – Understanding the role of cathodic half-cycle in AC plasma electrolytic oxidation. <b>2012</b> , 55, 90-96	72
1535	Surface modification of ACM522 magnesium alloy by plasma electrolytic oxidation in phosphate electrolyte. <b>2012</b> , 57, 74-80	65
1534	The influences of microdischarge types and silicate on the morphologies and phase compositions of plasma electrolytic oxidation coatings on Zircaloy-2. <b>2012</b> , 59, 307-315	83
1533	Electrochemical corrosion properties of CeO <sub>2</sub> -containing coatings on AZ31 magnesium alloys prepared by plasma electrolytic oxidation. <b>2012</b> , 62, 104-111	220

1532	Effect of plasma electrolytic oxidation in the solutions containing Ca, P, Si, Na on the properties of titanium. <b>2012</b> , 100, 2156-66		29
1531	Effect of micro-arc oxidation surface modification on the properties of the NiTi shape memory alloy. <b>2012</b> , 23, 2839-46		14
1530	Anodizing of AZ91D magnesium alloy using environmental friendly alkaline borate-biphthalate electrolyte. <b>2012</b> , 22, 1778-1785		16
1529	Effect of Negatively Charged Ions on the Formation of Microarc Oxidation Coating on 2024 Aluminium Alloy. <b>2012</b> , 28, 707-712		17
1528	Photocatalytic properties of TiO <sub>2</sub> /WO <sub>3</sub> coatings formed by plasma electrolytic oxidation of titanium in 12-tungstosilicic acid. <b>2012</b> , 126, 334-341		57
1527	Biodegradation behavior of micro-arc oxidized AZ31 magnesium alloys formed in two different electrolytes. <b>2012</b> , 261, 92-100		64
1526	Characterization and mechanical properties of coatings on magnesium by micro arc oxidation. <b>2012</b> , 261, 774-782		104
1525	Microporous TiO <sub>2</sub> -WO <sub>3</sub> /TiO <sub>2</sub> films with visible-light photocatalytic activity synthesized by micro arc oxidation and DC magnetron sputtering. <b>2012</b> , 263, 688-695		16
1524	Comparison of plasma electrolytic oxidation of zirconium alloy in silicate- and aluminate-based electrolytes and wear properties of the resulting coatings. <b>2012</b> , 85, 25-32		55
1523	Effects of coating thickness on thermal conductivities of alumina coatings and alumina/aluminum hybrid materials prepared using plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2012</b> , 207, 96-101	4.4	35
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1521	Production and evaluation of porous titanium scaffolds with 3-dimensional periodic macrochannels coated with microporous TiO <sub>2</sub> layer. <b>2012</b> , 135, 897-902		9
1520	Effect of NaOH on the Structure and Corrosion Performance of Alumina and Silica PEO Coatings on Aluminum. <b>2012</b> , 21, 2195-2202		12
1519	Preparation of narrow band gap V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> composite films by micro-arc oxidation. <b>2012</b> , 19, 1045-1051		7
1518	Influence of additives on microstructure and property of microarc oxidized MgBiD coatings. <b>2012</b> , 38, 5527-5533		31
1517	Investigation of rare earth sealing of porous micro-arc oxidation coating formed on AZ91D magnesium alloy. <b>2012</b> , 30, 1293-1297		40
1516	High-quality Fe-doped TiO <sub>2</sub> films with superior visible-light performance. <b>2012</b> , 22, 23755		60
1515	Tribological Behavior of Plasma Electrolyte Oxidation Coating on Al 319 Aluminum Alloy. <b>2012</b> ,		

1514	Fatigue behavior and physical characterization of surface-modified Ti-6Al-4V ELI alloy by micro-arc oxidation. <b>2012</b> , 15, 305-311	17
1513	Surface Modification Techniques for Biomedical Grade of Titanium Alloys: Oxidation, Carburization and Ion Implantation Processes. <b>2012</b> ,	10
1512	Modification of the titanium oxide morphology and composition by a combined chemical-electrochemical treatment on cp Ti. <b>2012</b> , 15, 159-165	15
1511	Effects of the grain boundary on phase structure and surface morphology of TiO <sub>2</sub> films prepared by MAO technology. <b>2012</b> , 44, 276-281	7
1510	Surface modification and wear test of carbon steel by plasma electrolytic nitrocarburizing. <b>2012</b> , 44, 342-351	12
1509	Electrochemical behavior of biocompatible AZ31 magnesium alloy in simulated body fluid. <b>2012</b> , 47, 5197-5204	28
1508	Microstructure and biological properties of micro-arc oxidation coatings on ZK60 magnesium alloy. <b>2012</b> , 100, 1574-86	53
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1506	Glow discharge plasma electrolysis for nanoparticles synthesis. <b>2012</b> , 18, 315-327	51
1505	Study the Fatigue-Wear Behavior of a Plasma Electrolytic Nitrocarburized (PEN/C) 316L Stainless Steel. <b>2012</b> , 21, 1751-1756	11
1504	Electrically polarized micro-arc oxidized TiO <sub>2</sub> coatings with enhanced surface hydrophilicity. <b>2012</b> , 8, 860-5	46
1503	Influence of Co(CH <sub>3</sub> COO) <sub>2</sub> concentration on thermal emissivity of coatings formed on titanium alloy by micro-arc oxidation. <b>2012</b> , 12, 284-290	33
1502	Influence of K <sub>2</sub> TiF <sub>6</sub> in electrolyte on characteristics of the microarc oxidation coating on aluminum alloy. <b>2012</b> , 12, 1259-1265	33
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1500	Effect of the nitrogen inducing agents on the corrosion behavior of the oxide coatings prepared by electrolytic plasma processing on the Al2021 alloy. <b>2012</b> , 38, S669-S672	16
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1494	A spectroscopic and microstructural study of oxide coatings produced on a Ti <sub>6</sub> Al <sub>4</sub> V alloy by plasma electrolytic oxidation. <b>2012</b> , 134, 484-492		81
1493	Effect of Fe <sup>3+</sup> ions on the thermal and optical properties of the ceramic coating grown in-situ on AZ31 Mg Alloy. <b>2012</b> , 135, 58-62		31
1492	UV and visible photodecomposition of organic pollutants over micro arc oxidized Ag-activated TiO <sub>2</sub> nanocrystalline layers. <b>2012</b> , 47, 1080-1088		20
1491	In situ growth of ZrO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> nano-crystalline ceramic coatings via micro arc oxidation of aluminum substrates. <b>2012</b> , 47, 1494-1499		30
1490	Corrosion studies of modified organosilane coated magnesium/yttrium alloy in different environments. <b>2012</b> , 32, 1230-1236		16
1489	Luminescence of the B <sup>1</sup> Π <sub>1</sub> band system of MgO during plasma electrolytic oxidation of magnesium alloy. <i>Surface and Coatings Technology</i> , <b>2012</b> , 206, 2905-2913	4-4	20
1488	Plasma electrolytic oxidation and corrosion protection of Zircaloy-4. <i>Surface and Coatings Technology</i> , <b>2012</b> , 206, 3230-3239	4-4	55
1487	Correlation between current frequency and electrochemical properties of Mg alloy coated by micro arc oxidation. <i>Surface and Coatings Technology</i> , <b>2012</b> , 206, 3360-3365	4-4	45
1486	Innovative antibacterial coating by anodic spark deposition. <i>Surface and Coatings Technology</i> , <b>2012</b> , 206, 3410-3414	4-4	26
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1483	Properties and structure of oxidized coatings deposited onto Al-Cu and Al-Mg alloys. <b>2012</b> , 57, 840-848		10
1482	High emissivity coatings on titanium alloy prepared by micro-arc oxidation for high temperature application. <b>2012</b> , 47, 2162-2168		27
1481	Plasma anodized ZE41 magnesium alloy sealed with hybrid epoxy-silane coating. <b>2013</b> , 73, 300-308		67
1480	Synthesis and mechanism of (101)-preferred orientation rutile titania via anodic spark oxidation. <i>Surface and Coatings Technology</i> , <b>2013</b> , 228, 201-208	4-4	10
1479	Plasmas in Saline Solution Sustained Using Bipolar Pulsed Power Source: Tailoring the Discharge Behavior Using the Negative Pulses. <b>2013</b> , 33, 581-591		8

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1474	Corrosion Stability of Oxide Coatings Formed by Plasma Electrolytic Oxidation of Aluminum: Optimization of Process Time. <b>2013</b> , 69, 693-702		22
1473	Features of the corrosion processes development at the magnesium alloys surface. <i>Surface and Coatings Technology</i> , <b>2013</b> , 225, 112-118	4-4	35
1472	Characterization of surface hardened layers on Q235 low-carbon steel treated by plasma electrolytic borocarburing. <b>2013</b> , 578, 162-169		58
1471	Formation of bioactive coatings on a Ti-8Al-1Nb alloy by plasma electrolytic oxidation. <b>2013</b> , 104, 407-424		36
1470	Effect of Ti-OH groups on microstructure and bioactivity of TiO <sub>2</sub> coating prepared by micro-arc oxidation. <b>2013</b> , 268, 381-386		52
1469	Formation and characterization of titania coatings with cortex-like slots formed on Ti by micro-arc oxidation treatment. <b>2013</b> , 266, 250-255		20
1468	Structures and properties of layered bioceramic coatings on pure titanium using a hybrid technique of sandblasting and micro-arc oxidation. <b>2013</b> , 282, 271-280		18
1467	Composites with transition metal oxides on aluminum and titanium and their activity in CO oxidation. <i>Surface and Coatings Technology</i> , <b>2013</b> , 231, 433-438	4-4	16
1466	New findings on properties of plasma electrolytic oxidation coatings from study of an AlCuTi alloy. <b>2013</b> , 107, 358-378		128
1465	Photoelectrochemical properties of oxide films formed by anode plasma electrolytic oxidation on titanium in water solutions. <b>2013</b> , 49, 83-90		6
1464	Preparation and characterization of diamond-like carbon/oxides composite film on carbon steel by cathodic plasma electrolysis. <b>2013</b> , 103, 031905		21
1463	Silicate coatings on titanium, modified with transition metal oxides and their activity in CO oxidation. <b>2013</b> , 86, 319-325		7
1462	Evaluation of Residual Stress Development at the Interface of Plasma Electrolytically Oxidized and Cold-Worked Aluminum. <b>2013</b> , 44, 4461-4465		9
1461	The Effect of Ammonia Water on the Microstructure and Performance of Plasma Electrolytic Saturation Nitriding Layer of 38CrMoAl Steel. <b>2013</b> , 50, 304-314		4

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1459	Correlation between Applied Voltage and Electrochemical Properties of Micro Arc Oxidation Coatings Formed on AZ31B Magnesium Alloy. <b>2013</b> , 849, 32-37		
1458	Effect of AC/DC Spark Anodization Current and Time on the Oxidation of an Al-Cu Alloy. <b>2013</b> , 160, C369-C379	1	
1457	An investigation of ceramic coating growth mechanisms in plasma electrolytic oxidation (PEO) processing. <b>2013</b> , 112, 111-119		281
1456	High temperature tribological behaviors of plasma electrolytic borocarbured Q235 low-carbon steel. <i>Surface and Coatings Technology</i> , <b>2013</b> , 232, 142-149	4-4	43
1455	Effects of phosphates on microstructure and bioactivity of micro-arc oxidized calcium phosphate coatings on Mg-Zn-Zr magnesium alloy. <b>2013</b> , 109, 1-9		65
1454	Investigation of wear, corrosion and tribocorrosion properties of AZ91 Mg alloy coated by micro arc oxidation process in the different electrolyte solutions. <b>2013</b> , 528, 116-122		47
1453	An elevated temperature infrared emissivity ceramic coating formed on 2024 aluminium alloy by microarc oxidation. <b>2013</b> , 39, 2869-2875		59
1452	Effect of cerium and lanthanum additives on plasma electrolytic oxidation of AZ31 magnesium alloy. <b>2013</b> , 31, 1208-1213		37
1451	Microarc oxidation coating fabricated on AZ91D Mg alloy in an optimized dual electrolyte. <b>2013</b> , 23, 412-419	9	
1450	Evolution of residual stresses in micro-arc oxidation ceramic coatings on 6061 Al alloy. <b>2013</b> , 26, 1149-1153		8
1449	Effect of ammonium metavanadate on surface characteristics of oxide layer formed on Mg alloy via plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2013</b> , 236, 70-74	4-4	9
1448	The effect of titanium bead diameter of porous titanium on the formation of micro-arc oxidized TiO <sub>2</sub> -based coatings containing Si and Ca. <b>2013</b> , 39, 5725-5732		14
1447	The influence of experimental conditions on the morphology and phase composition of Nb-doped ZrO <sub>2</sub> films prepared by spark anodization. <b>2013</b> , 73, 99-105		12
1446	Effect of voltage on properties of microarc oxidation films prepared in phosphate electrolyte on Zr/Nb alloy. <i>Surface and Coatings Technology</i> , <b>2013</b> , 222, 62-67	4-4	48
1445	Improvement to corrosion resistance of MAO coated 2519 aluminum alloy by formation of polypropylene film on its surface. <i>Surface and Coatings Technology</i> , <b>2013</b> , 232, 674-679	4-4	21
1444	Influence of incorporating Si <sub>3</sub> N <sub>4</sub> particles into the oxide layer produced by plasma electrolytic oxidation on AM50 Mg alloy on coating morphology and corrosion properties. <b>2013</b> , 1, 267-274		52
1443	Characterization of nitrocarburized surface layer on AISI 1020 steel by electrolytic plasma processing in an urea electrolyte. <b>2013</b> , 2, 213-220		18

1442	Electroanalytical properties of metal oxide electrodes formed by plasma electrolytic oxidation. <b>2013</b> , 689, 262-268		24
1441	Thermal control coatings on magnesium alloys prepared by plasma electrolytic oxidation. <b>2013</b> , 280, 151-155		50
1440	Characterization of wear-resistant coatings on 304 stainless steel fabricated by cathodic plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2013</b> , 236, 22-28	4.4	20
1439	Fluoride ions as modifiers of the oxide layer produced by plasma electrolytic oxidation on AZ91D magnesium alloy. <b>2013</b> , 287, 461-466		46
1438	Modification of tantalum surface via plasma electrolytic oxidation in silicate solutions. <b>2013</b> , 114, 627-636		48
1437	Plasma electrolytic oxidation of 2024-T3 aluminum alloy and investigation on microstructure and wear behavior. <b>2013</b> , 286, 212-219		47
1436	Effect of fluoride on plasma electrolytic oxidation of AZ61 magnesium alloy. <i>Surface and Coatings Technology</i> , <b>2013</b> , 232, 827-838	4.4	38
1435	DC plasma electrolytic oxidation of biodegradable cp-Mg: In-vitro corrosion studies. <i>Surface and Coatings Technology</i> , <b>2013</b> , 234, 132-142	4.4	39
1434	Influence of albumin and inorganic ions on electrochemical corrosion behavior of plasma electrolytic oxidation coated magnesium for surgical implants. <b>2013</b> , 282, 186-194		37
1433	Characterization and mechanical properties of the duplex coatings produced on steel by electro-spark deposition and micro-arc oxidation. <i>Surface and Coatings Technology</i> , <b>2013</b> , 236, 303-308	4.4	36
1432	Effect of the deposition parameters on the structure and physicochemical properties of protective Al <sub>2</sub> O <sub>3</sub> coatings. <b>2013</b> , 58, 1688-1691		1
1431	Micro- and nano-formations on the surface of plasma electrolytic oxide coatings on aluminum and titanium. <i>Surface and Coatings Technology</i> , <b>2013</b> , 235, 134-143	4.4	23
1430	Microstructure and Properties of Nanostructured Calcium Phosphate/Titania Porous Coatings via Micro Arc Oxidation. <b>2013</b> , 227-234		1
1429	Application of plasma electrolytic oxidation to bioactive surface formation on titanium and its alloys. <b>2013</b> , 3, 19725		81
1428	The effect of processing parameters and substrate composition on the corrosion resistance of plasma electrolytic oxidation (PEO) coated magnesium alloys. <i>Surface and Coatings Technology</i> , <b>2013</b> , 237, 357-368	4.4	115
1427	Microscopic observations of osteoblast growth on micro-arc oxidized titanium. <b>2013</b> , 266, 73-80		25
1426	Plasma electrolysis allows the facile and efficient production of graphite oxide from recycled graphite. <b>2013</b> , 3, 17402		12
1425	The anomalous sodium doublet D <sub>2</sub> /D <sub>1</sub> spectral line intensity ratio as manifestation of CCD's presaturation effect. <b>2013</b> , 28, 92-97		5



1424	Effect of high temperature oxidation pre-fab film on formation of micro-arc oxidation coatings on 6061aluminum alloy. <b>2013</b> , 265, 431-437		14
1423	Wear and adhesion resistance of duplex coatings deposited on Ti6Al4V alloy using MAO and CFUBMS. <i>Surface and Coatings Technology</i> , <b>2013</b> , 214, 1-7	4-4	46
1422	Structure and Corrosion Resistance of PEO Ceramic Coatings on AZ91D Mg Alloy Under Three Kinds of Power Modes. <b>2013</b> , 10, E310-E317		8
1421	Structural characteristics and outward/inward growth behavior of tantalum oxide coatings on tantalum by micro-arc oxidation. <i>Surface and Coatings Technology</i> , <b>2013</b> , 214, 110-116	4-4	38
1420	Tetragonal to monoclinic phase transition observed during Zr anodisation. <b>2013</b> , 17, 191-199		13
1419	Photocatalytic performance of magnesium alloy microarc oxides. <b>2013</b> , 562, 84-89		7
1418	Research on Micro-arc Oxidation Coatings with Thermal Control on Magnesium Alloy. <b>2013</b> , 50, 185-190		4
1417	The effect of high-intensity pulsed ion beam on surface structures of MAO film on magnesium alloy AZ31. <b>2013</b> , 307, 107-110		6
1416	The effect of pulse frequency on the electrochemical properties of micro arc oxidation coatings formed on magnesium alloy. <b>2013</b> , 1, 318-322		26
1415	Evaluation of contact glow-discharge electrolysis as a viable method for steam generation. <b>2013</b> , 108, 330-336		7
1414	Formation of self-repairing anodized film on ACM522 magnesium alloy by plasma electrolytic oxidation. <b>2013</b> , 73, 188-195		47
1413	Microarc oxidized TiO <sub>2</sub> based ceramic coatings combined with cefazolin sodium/chitosan composited drug film on porous titanium for biomedical applications. <b>2013</b> , 33, 4118-25		8
1412	Galvanic corrosion property of contacts between carbon fiber cloth materials and typical metal alloys in an aggressive environment. <i>Surface and Coatings Technology</i> , <b>2013</b> , 215, 85-89	4-4	47
1411	Preparation and properties of ceramic Al <sub>2</sub> O <sub>3</sub> coating as TBCs on MCrAl <sub>y</sub> layer applied on Inconel alloy by cathodic plasma electrolytic deposition. <i>Surface and Coatings Technology</i> , <b>2013</b> , 228, S611-S614	4-4	27
1410	Electrochemical corrosion behavior of modified MAO film on magnesium alloy AZ31 irradiated by high-intensity pulsed ion beam. <i>Surface and Coatings Technology</i> , <b>2013</b> , 228, S164-S170	4-4	24
1409	Synthesis of biphasic calcium phosphate containing nanostructured films by micro arc oxidation on magnesium alloy. <b>2013</b> , 142, 87-94		48
1408	Anodic Plasma Electrolytic Saturation of Steels by Carbon and Nitrogen. <b>2013</b> , 704, 37-42		22
1407	Surface modification of SCM420 steel by plasma electrolytic treatment. <i>Surface and Coatings Technology</i> , <b>2013</b> , 232, 275-282	4-4	13

1406	Anodic oxidation of Ti <sub>3</sub> Nb <sub>3</sub> Zr alloy in silicate solutions. <b>2013</b> , 279, 317-323		22
1405	Effect of icosahedral phase on growth behavior of thin oxide film on MgZn <sub>12</sub> Y <sub>1.7</sub> alloy via micro arc oxidation. <b>2013</b> , 531, 261-265		4
1404	Formation of dicalcium phosphate dihydrate on magnesium alloy by micro-arc oxidation coupled with hydrothermal treatment. <b>2013</b> , 72, 118-124		75
1403	Preparation and corrosion resistance of MAO/NiP composite coat on Mg alloy. <b>2013</b> , 277, 272-280		44
1402	Performance of pulsed constant current silicate-based PEO coating on pure magnesium in simulated body fluid. <b>2013</b> , 106, 18-21		34
1401	Synthesis of Ni and Pt nanomaterials by cathodic contact glow discharge electrolysis in acidic and alkaline media. <b>2013</b> , 93, 137-142		32
1400	Deposition of hydroxyl-apatite on titanium subjected to electrochemical plasma coating. <b>2013</b> , 109, 173-180		13
1399	Effect of the nitrogen inducing agents on the corrosion behavior of ALON-Al <sub>2</sub> O <sub>3</sub> coatings prepared by electrolytic plasma processing on an Al6061 alloy. <b>2013</b> , 19, 77-80		6
1398	Surface characterization of oxides grown on the Ti <sub>3</sub> Nb <sub>3</sub> Zr alloy and their corrosion protection. <b>2013</b> , 72, 35-40		67
1397	Characterisation of bioactive films on Ti <sub>6</sub> Al <sub>4</sub> V alloy. <b>2013</b> , 104, 425-438		36
1396	Activating titanium oxide coatings for orthopedic implants. <i>Surface and Coatings Technology</i> , <b>2013</b> , 233, 57-64	4-4	39
1395	In vitro biological response of plasma electrolytically oxidized and plasma-sprayed hydroxyapatite coatings on Ti-6Al-4V alloy. <b>2013</b> , 101, 939-49		49
1394	Thermal barrier coating made of porous zirconium oxide on a nickel-based single crystal superalloy formed by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2013</b> , 223, 47-51	4-4	18
1393	Fabrication of bioactive titania coating on nitinol by plasma electrolytic oxidation. <b>2013</b> , 274, 181-187		38
1392	Deposition and properties of zirconia coatings on a zirconium alloy produced by pulsed DC plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2013</b> , 221, 150-157	4-4	47
1391	Effect of K <sub>2</sub> TiF <sub>6</sub> and Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> as electrolyte additives on pore morphology and corrosion properties of plasma electrolytic oxidation coatings on ZM21 magnesium alloy. <i>Surface and Coatings Technology</i> , <b>2013</b> , 222, 31-37	4-4	62
1390	Effects of electrical parameters on plasma electrolytic oxidation of aluminium. <i>Surface and Coatings Technology</i> , <b>2013</b> , 221, 70-76	4-4	106
1389	Characterization and formation of hydroxyapatite on Ti <sub>6</sub> Al <sub>4</sub> V coated by plasma electrolytic oxidation. <b>2013</b> , 551, 422-429		143

1388	Improved corrosion protection of AZ31 magnesium alloy through plasma electrolytic oxidation and aerosol deposition duplex treatment. <i>Surface and Coatings Technology</i> , <b>2013</b> , 219, 82-87	4-4	17
1387	Effect of duty cycle and applied current frequency on plasma electrolytic oxidation (PEO) coating growth behavior. <i>Surface and Coatings Technology</i> , <b>2013</b> , 226, 100-107	4-4	165
1386	Surface morphology, corrosion resistance and in vitro bioactivity of P containing ZrO <sub>2</sub> films formed on Zr by plasma electrolytic oxidation. <b>2013</b> , 553, 324-332		53
1385	Characterization of AZ31 Mg Alloy coated by plasma electrolytic oxidation. <b>2013</b> , 88, 130-133		61
1384	Microstructure, corrosion and wear performance of plasma electrolytic oxidation coatings formed on Ti-6Al-4V alloy in silicate-hexametaphosphate electrolyte. <i>Surface and Coatings Technology</i> , <b>2013</b> , 217, 129-139	4-4	73
1383	Effects of Anodic Voltages on Microstructure and Properties of Plasma Electrolytic Oxidation Coatings on Biomedical NiTi Alloy. <b>2013</b> , 29, 22-28		18
1382	Anodic oxidation of zirconium in silicate solutions. <b>2013</b> , 104, 518-525		40
1381	The effect of EEMAO processing on surface mechanical properties of the TiO <sub>2</sub> /ZrO <sub>2</sub> nanostructured composite coatings. <b>2013</b> , 39, 7809-7815		12
1380	Crystallization of hydroxyapatite during hydrothermal treatment on amorphous calcium phosphate layer coated by PEO technique. <b>2013</b> , 39, 1793-1798		33
1379	Effect of Electrolyte Composition on Characteristics of Plasma Electrolysis Nitrocarburizing. <b>2013</b> , 22, 2351-2358		13
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1377	Characterization of the plasma electrolytic oxidation of titanium in sodium metasilicate. <b>2013</b> , 265, 226-233		79
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1374	Plasma electrolytic oxidation of coupled light metals. <b>2013</b> , 91, 107-112		8
1373	Effect of anodising electrolyte on performance of AZ31 and AM60 magnesium alloys microarc anodic oxides. <b>2013</b> , 91, 336-341		6
1372	Corrosion Protection and Surface Treatment of Magnesium Alloys Used for Orthopedic Applications. <b>2013</b> , 2013, 1-10		32
1371	Revealing Prior-Austenite Grain Boundaries and Martensitic Structure of As-Quenched AISI 4140 Steel Treated by Plasma Electrolysis. <b>2013</b> , 123, 404-406		2

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- 1369 Anodic Oxidation of Titanium in Mixture of EGlycerophosphate (EGP) and Calcium Acetate (CA). **2013**, 594-595, 275-280 9
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1345	Effect of Nitrogen Electrolytes on Al2021 Alloy by Electrolytic Plasma Processing. <b>2013</b> , 378, 213-219	
1344	Microstructural Characterisation of Porous TiO <sub>2</sub> Ceramic Coatings Fabricated by Plasma Electrolytic Oxidation of Ti. <b>2013</b> , 117-127	2
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1342	Use of a poly(ether imide) coating to improve corrosion resistance and biocompatibility of magnesium (Mg) implant for orthopedic applications. <b>2013</b> , 101, 1708-15	23
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1338	Tribological Characteristics Improvement of Wear Resistant MAO-Coatings. <b>2013</b> , 2013, 1-5	5
1337	Plasma Electrolytic Oxidation Coatings on Lightweight Metals. <b>2013</b> ,	11
1336	Corrosion and Surface Treatment of Magnesium Alloys. <b>2014</b> ,	15
1335	Thin films produced on 5052 aluminum alloy by plasma electrolytic oxydation with Red Mud-containing Electrolytes. <b>2014</b> , 17, 1404-1409	2

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1332	Antifriction properties increasing of ceramic MAO-coatings. <b>2014, 228, 435-444</b>	2
1331	Vanadium-Doped WO <sub>3</sub> /TiO <sub>2</sub> Microporous Film as Visible-Light Photocatalyst. <b>2014, 31, 42-48</b>	7
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1327	Effect of Test Parameters on the Friction Behaviour of Anodized Aluminium Alloy. <b>2014, 2014, 795745</b>	9
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1325	Wear Performance of Hardened 1.2333 Cold Work Tool Steel by Plasma Electrolysis. <b>2014, 125, 304-306</b>	
1324	Effects of Surface Coating Preparation and Sliding Modes on Titanium Oxide Coated Titanium Alloy for Aerospace Applications. <b>2014, 2014, 1-10</b>	7
1323	Plasma Electrolytic Oxidation of Binary Al-Sn Alloys. <b>2014, 125, 659-663</b>	4
1322	New sealing treatment of microarc oxidation coating. <b>2014, 30, 31-35</b>	12
1321	The Preparation and Performance of LC4 Aluminum Alloys Ceramic Coatings with Trace Loose Layer Treated by Micro-Arc Oxidation. <b>2014, 528, 3-7</b>	
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1318	Plasma electrolytic oxidation coatings on TiAl alloy for potential biomedical applications. <b>2014, 102, 988-1001</b>	32
1317	Effect of current frequency on coating properties formed on aluminised steel by plasma electrolytic oxidation. <b>2014, 30, 224-228</b>	10

1316	Production of Anti-Corrosion Coatings on Light Alloys (Al, Mg, Ti) by Plasma-Electrolytic Oxidation (PEO). <b>2014</b> ,	6
1315	Electrochemical response of ZrO <sub>2</sub> incorporated titanium oxide film. <b>2014</b> , 18, S2-407-S2-410	4
1314	Influence of current density and electrolyte concentration on DC PEO titania coatings. <b>2014</b> , 30, 102-108	31
1313	Solution-Temperature-Controlled Growth of Microarc Oxidation Coatings on Aluminum Substrates. <b>2014</b> , 809-810, 578-582	
1312	Structural-Phase Transformations in R6m5 Steel while Electrolytic-Plasma Processing. <b>2014</b> , 904, 217-221	3
1311	FE Modeling of Stress Distribution in MAO Coating on TC4 Substrate under Thermal Shock Cyclic Loading. <b>2014</b> , 941-944, 1629-1632	1
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1309	Densification Behavior and Microstructure Evolution of Laser Surface Melting Processed Silicon-Containing Micro Arc Oxidation Coating. <b>2014</b> , 941-944, 1650-1653	
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1307	The Effects of Nano-SiO <sub>2</sub> on the Chemical Composition of Layers on Aluminum Alloy by Micro-Arc Oxidation. <b>2014</b> , 628, 84-88	
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1298	Effect of ultrasonic on microstructure and growth characteristics of micro-arc oxidation ceramic coatings on 6061 aluminum alloy. <b>2014</b> , 99, 143-148		35
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1291	Characterization of carburized layer on T8 steel fabricated by cathodic plasma electrolysis. <i>Surface and Coatings Technology</i> , <b>2014</b> , 245, 9-15	4-4	42
1290	Performance of alumina coatings prepared by hard anodizing, micro arc oxidation and detonation spray processes on AlMgBi alloy under fretting wear loading. <b>2014</b> , 228, 454-462		8
1289	The effects of micro arc oxidation of gamma titanium aluminide surfaces on osteoblast adhesion and differentiation. <b>2014</b> , 25, 1577-87		16
1288	Osseointegration of bioactive microarc oxidized amorphous phase/TiO <sub>2</sub> nanocrystals composited coatings on titanium after implantation into rabbit tibia. <b>2014</b> , 25, 1307-18		18
1287	Plasma electrolytic oxide coatings on valve metals and their activity in CO oxidation. <b>2014</b> , 315, 481-489		19
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1283	The evidence of cathodic micro-discharges during plasma electrolytic oxidation process. <b>2014</b> , 104, 081603		19
1282	Characterization of microporous oxide layer synthesized on Ti <sub>6</sub> Al <sub>4</sub> Nb alloy by micro-arc oxidation. <b>2014</b> , 14, 370-375		5
1281	Characterization and photocatalytic activity of large-area single crystalline anatase TiO <sub>2</sub> nanotube films hydrothermal synthesized on Plasma electrolytic oxidation seed layers. <b>2014</b> , 597, 101-109		32



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1277	Wear-resistant coatings formed on Zircaloy-2 by plasma electrolytic oxidation in sodium aluminate electrolytes. <b>2014</b> , 116, 453-466		57
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1274	Hydrothermal growth of photoelectrochemically active titanium dioxide cauliflower-like nanostructures. <b>2014</b> , 117, 470-479		42
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1272	Preparation and corrosion resistance of MAO layer/Yb <sub>2</sub> SiO <sub>5</sub> composite coating on Mg alloy. <i>Surface and Coatings Technology</i> , <b>2014</b> , 240, 118-127	4-4	13
1271	Fabrication, characterization and in-vitro evaluation of nanostructured zirconia/hydroxyapatite composite film on zirconium. <i>Surface and Coatings Technology</i> , <b>2014</b> , 238, 58-67	4-4	74
1270	Plasma-assisted electrochemical exfoliation of graphite for rapid production of graphene sheets. <b>2014</b> , 4, 6946		40
1269	Structure and corrosion behavior of oxide layer with Zr compounds on AZ31 Mg alloy processed by two-step plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2014</b> , 238, 75-79	4-4	27
1268	A micro passive direct methanol fuel cell with high performance via plasma electrolytic oxidation on aluminum-based substrate. <b>2014</b> , 78, 149-153		8
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1266	Characterization and corrosion resistance of pure Mg modified by micro-arc oxidation using phosphate electrolyte with/without NaOH. <b>2014</b> , 46, 7-15		11
1265	Photoelectrochemically active surfactant free single step hydrothermal mediated titanium dioxide nanorods. <b>2014</b> , 25, 4501-4511		23
1264	Formation of protective coatings by microarc oxidation using aluminum and calcium hydroxide nanopowders. <b>2014</b> , 5, 245-249		4
1263	Peculiarities of heat transfer at anodic plasma electrolytic treatment of cylindrical pieces. <b>2014</b> , 50, 346-355		7

1262	Multifunctional Mn-containing titania coatings with enhanced corrosion resistance, osteogenesis and antibacterial activity. <b>2014</b> , 2, 5397-5408		42
1261	Spectroscopic investigation of plasma electrolytic borocarburing on q235 low-carbon steel. <b>2014</b> , 321, 348-352		17
1260	Zirconia coated titanium for implants and their interactions with osteoblast cells. <b>2014</b> , 44, 254-61		16
1259	Effect of Microarc Oxidation Time on Electrochemical Behaviors of Coated Bio-compatible Magnesium Alloy. <b>2014</b> , 1, 70-81		6
1258	Analyses of quenching process during turn-off of plasma electrolytic carburizing on carbon steel. <b>2014</b> , 316, 102-107		22
1257	Multi-functional ceramic hybrid coatings on biodegradable AZ31 Mg implants: electrochemical, tribological and quantum chemical aspects for orthopaedic applications. <b>2014</b> , 4, 24272		42
1256	Electrochemical carburization of pure iron in 1M Na <sub>2</sub> SO <sub>4</sub> aqueous solution with the presence of supercritical carbon dioxide. <b>2014</b> , 49, 14-17		1
1255	Carbon transfer from aqueous electrolytes to steel by anode plasma electrolytic carburising. <i>Surface and Coatings Technology</i> , <b>2014</b> , 258, 727-733	4-4	42
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1133	Silicate-based Plasma Electrolytic Oxidation (PEO) coatings with incorporated CeO <sub>2</sub> particles on AM50 magnesium alloy. <b>2015</b> , 86, 735-744		76
1132	Fabrication of superhydrophobic fluorine-free films on cotton fabrics through plasma-induced grafting polymerization of 1,3,5,7-tetravinyl-1,3,5,7-tetramethylcyclotetrasiloxane. <i>Surface and Coatings Technology</i> , <b>2015</b> , 276, 16-22	4.4	27
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1130	Application of porous oxide layer in plastic/metal direct adhesion by injection molding. <b>2015</b> , 29, 1617-1627		18
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1123	Effect of current frequency on properties of coating formed by microarc oxidation on AZ91D magnesium alloy. <b>2015</b> , 25, 1500-1505		20
1122	Influence of electrolyte compositions on structure and high-temperature oxidation resistance of microarc oxidation coatings formed on Ti <sub>2</sub> AlNb alloy. <b>2015</b> , 647, 431-437		23
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1118	PEO of pre-anodized AlBi alloys: Corrosion properties and influence of sealings. <b>2015</b> , 346, 57-67		60
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1108	Depth distribution of martensite in plasma nitrided AISI H13 steel and its correlation to hardness. <i>Surface and Coatings Technology</i> , <b>2015</b> , 270, 266-271	4.4	28
1107	High growth rate, wear resistant coatings on an AlCuNi alloy by plasma electrolytic oxidation in concentrated aluminate electrolytes. <i>Surface and Coatings Technology</i> , <b>2015</b> , 269, 74-82	4.4	50
1106	Analyses of reinforcement phases during plasma electrolytic oxidation on magnesium matrix composites. <i>Surface and Coatings Technology</i> , <b>2015</b> , 269, 212-219	4.4	16
1105	Synergistic effects of surface chemistry and topologic structure from modified microarc oxidation coatings on Ti implants for improving osseointegration. <b>2015</b> , 7, 8932-41		63
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1101	Investigation of anodic oxide coatings on zirconium after heat treatment. <b>2015</b> , 346, 534-542		7

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1098	Anti-corrosion layer prepared by plasma electrolytic carbonitriding on pure aluminum. <b>2015</b> , 347, 673-678		23
1097	Coating Technology for Vehicle Applications. <b>2015</b> ,		13
1096	Coating Technologies for Automotive Engine Applications. <b>2015</b> , 63-79		4
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1094	The effect of nanocrystallites in the pores of PEO coatings on their magnetic properties. <i>Surface and Coatings Technology</i> , <b>2015</b> , 269, 23-29	4-4	16
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1092	Microstructure and elevated temperature tribological behavior of TiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> composite ceramic coating formed by microarc oxidation of Ti6Al4V alloy. <i>Surface and Coatings Technology</i> , <b>2015</b> , 272, 343-349	4-4	40
1091	INFLUENCE OF MICROSTRUCTURE OF FRICTION STIR WELDED JOINTS ON GROWTH AND PROPERTIES OF MICROARC OXIDATION COATINGS ON AZ31B MAGNESIUM ALLOY. <b>2015</b> , 22, 1550029		1
1090	Insights into plasma electrolytic oxidation treatment with particle addition. <b>2015</b> , 101, 201-207		78
1089	Influence of adding glass beads in cathode region on the kinetics of cathode plasma electrolytic depositing ZrO <sub>2</sub> coating. <i>Surface and Coatings Technology</i> , <b>2015</b> , 279, 92-100	4-4	20
1088	Analysis of Tribo-corrosion Properties of MAO/DLC Coatings Using a Duplex Process on Ti6Al4V Alloys. <b>2015</b> , 1, 1		4
1087	Composite fluoropolymer coatings on Mg alloys formed by plasma electrolytic oxidation in combination with electrophoretic deposition. <i>Surface and Coatings Technology</i> , <b>2015</b> , 283, 347-352	4-4	29
1086	Effect of plasma electrolytic oxidation coating on joining metal to plastic. <b>2015</b> , 20, 291-296		41
1085	Investigation of micro-arc oxidation coating growth patterns of aluminum alloy by two-step oxidation method. <b>2015</b> , 356, 581-586		15
1084	Study of plasma-induced graft polymerization of stearyl methacrylate on cotton fabric substrates. <b>2015</b> , 357, 2327-2332		19
1083	Al <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> nanostructured coatings using DC plasma electrolytic oxidation to improve tribological properties of Al substrates. <b>2015</b> , 356, 927-934		28

1082	Anodic luminescence, structural, photoluminescent, and photocatalytic properties of anodic oxide films grown on niobium in phosphoric acid. <b>2015</b> , 355, 912-920		25
1081	Influences of urea and sodium nitrite on surface coating of plasma electrolytic oxidation. <b>2015</b> , 356, 135-141		14
1080	Effect of positive and negative pulse voltages on surface properties and equivalent circuit of the plasma electrolytic oxidation process. <i>Surface and Coatings Technology</i> , <b>2015</b> , 284, 427-437	4-4	34
1079	Electrochemical behavior of bioactive coatings on cp-Ti surface for dental application. <b>2015</b> , 100, 133-146		49
1078	The characterization of cathodic plasma electrolysis of tungsten by means of optical emission spectroscopy techniques. <b>2015</b> , 110, 48004		4
1077	Study of wear and corrosion behavior of cathodic plasma electrolytic deposition of zirconia/hydroxyapatite on titanium and 316L stainless steel in Ringer's solution. <b>2015</b> , 106, 614-620		2
1076	Influence of frequency and duty cycle on microstructure of plasma electrolytic oxidized AA7075 and the correlation to its corrosion behavior. <i>Surface and Coatings Technology</i> , <b>2015</b> , 280, 136-147	4-4	46
1075	An investigation of the coating/substrate interface of plasma electrolytic oxidation coated aluminum. <i>Surface and Coatings Technology</i> , <b>2015</b> , 280, 86-91	4-4	41
1074	Study on coating growth characteristics during the electrolytic oxidation of a magnesium/titanium alloy by optical emission spectroscopy analysis. <b>2015</b> , 5, 68806-68814		13
1073	Investigation of Ni/Bi/C coatings on aluminum alloy via aqueous cathodic plasma electrolysis. <i>Surface and Coatings Technology</i> , <b>2015</b> , 282, 115-120	4-4	4
1072	A general strategy toward the rational synthesis of metal tungstate nanostructures using plasma electrolytic oxidation method. <b>2015</b> , 356, 273-281		31
1071	Photoelectrochemical advanced oxidation processes on nanostructured TiO <sub>2</sub> catalysts: Decolorization of a textile azo-dye. <b>2015</b> , 37, 108-115		27
1070	A Mathematical interpretation model of Ti alloy micro-arc oxidation (MAO) process and its experimental study. <b>2015</b> , 51, 468-477		5
1069	Influence of electrolyte ageing on the Plasma Electrolytic Oxidation of aluminium. <i>Surface and Coatings Technology</i> , <b>2015</b> , 269, 36-46	4-4	33
1068	Friction stir processed Al/TiO <sub>2</sub> surface composites: Anodising behaviour and optical appearance. <b>2015</b> , 324, 554-562		22
1067	Advances in microarc oxidation coated AZ31 Mg alloys for biomedical applications. <b>2015</b> , 91, 7-28		95
1066	Super-hydrophobic film fabricated on aluminium surface as a barrier to atmospheric corrosion in a marine environment. <b>2015</b> , 91, 287-296		100
1065	Formation of ZrO <sub>2</sub> in coating on Mg/Bi wt.%Al/wt.%Zn alloy via plasma electrolytic oxidation: Phase and structure of zirconia. <b>2015</b> , 99, 101-108		11

1064	Self-sealing micro-arc oxidation coating on AZ91D Mg alloy and its formation mechanism. <i>Surface and Coatings Technology</i> , <b>2015</b> , 269, 228-237	4-4	39
1063	Formation process of micro arc oxidation coatings obtained in a sodium phytate containing solution with and without CaCO <sub>3</sub> on binary Mg-1.0Ca alloy. <b>2015</b> , 325, 79-85		14
1062	Degradation behavior of PEO coating on AM50 magnesium alloy produced from electrolytes with clay particle addition. <i>Surface and Coatings Technology</i> , <b>2015</b> , 269, 155-169	4-4	62
1061	In vitro degradation and electrochemical corrosion evaluations of microarc oxidized pure Mg, Mg-Ca and Mg-Ca-Zn alloys for biomedical applications. <b>2015</b> , 47, 85-96		44
1060	Effects of single pulse energy on the properties of ceramic coating prepared by micro-arc oxidation on Ti alloy. <b>2015</b> , 324, 405-413		29
1059	A novel palladium-free surface activation process for electroless nickel deposition on micro-arc oxidation film of AZ91D Mg alloy. <b>2015</b> , 623, 274-281		32
1058	Preparation of black PEO layers on AlBi alloy and the colorizing analysis. <b>2015</b> , 111, 131-136		28
1057	A water management system for metal-based micro passive direct methanol fuel cells. <b>2015</b> , 273, 375-379		11
1056	Corrosion characterization of micro-arc oxidization composite electrophoretic coating on AZ31B magnesium alloy. <b>2015</b> , 621, 53-61		76
1055	Investigation into Mixed and Hydrodynamic Frictions of PEO Coatings and Cast Iron. <b>2016</b> , 9, 23-31		2
1054	Micro Arc Oxidation of Ti-15Zr-7.5Mo Alloy. <b>2016</b> , 57, 2015-2019		5
1053	OrangeRed photoluminescence of Nb <sub>2</sub> O <sub>5</sub> :Eu <sup>3+</sup> , Sm <sup>3+</sup> coatings formed by plasma electrolytic oxidation of niobium. <b>2016</b> , 685, 881-889		38
1052	Study of ceramic-like aluminum oxide thin films developed using plasma electrolytic oxidation applied on austenitic steels. <b>2016</b> , 48, 654-659		6
1051	Plasma electrolytic oxide layers as promising systems for catalysis. <i>Surface and Coatings Technology</i> , <b>2016</b> , 307, 1183-1193	4-4	33
1050	Deposition of hydroxyapatiteIncorporated TiO <sub>2</sub> coating on titanium using plasma electrolytic oxidation coupled with electrophoretic deposition. <b>2016</b> , 6, 62540-62544		18
1049	PEO of rheocast A356 Al alloy: energy efficiency and corrosion properties. <b>2016</b> , 48, 953-959		12
1048	Plasma electrolytic hardening of steels: Review. <b>2016</b> , 52, 531-546		15
1047	Growth Behaviors of Layered Double Hydroxide on Microarc Oxidation Film and Anti-Corrosion Performances of the Composite Film. <b>2016</b> , 163, C917-C927		31

1046	The Effect of Additives on the Fabrication of Electroplated Bright Aluminum Films using $AlCl_3$ -1-ethyl-3-methylimidazolium chloride-Toluene Baths. <b>2016</b> , 84, 17-24		5
1045	Effect of cerium ion addition on corrosion and wear characteristics of plasma electrolytic oxidation coating of CP-Ti. <b>2016</b> , 52, 1093-1099		2
1044	Desorption behavior of zinc atoms from zinc-sulfate solution irradiated with pulsed DC plasma. <b>2016</b> , 49, 295202		2
1043	Energy-Dispersive X-Ray Spectroscopy Mapping of Porous Coatings Obtained on Titanium by Plasma Electrolytic Oxidation in a Solution Containing Concentrated Phosphoric Acid with Copper Nitrate. <b>2016</b> , 16, 15-25		5
1042	Nonlinear time-series analysis of current signal in cathodic contact glow discharge electrolysis. <b>2016</b> , 119, 203303		13
1041	Corrosion behaviors and effects of corrosion products of plasma electrolytic oxidation coated AZ31 magnesium alloy under the salt spray corrosion test. <b>2016</b> , 378, 435-442		23
1040	REVIEW ON IMPROVING WEAR AND CORROSION RESISTANCE OF STEELS VIA PLASMA ELECTROLYTIC SATURATION TECHNOLOGY. <b>2016</b> , 23, 1630002		13
1039	High temperature oxidation behavior of a novel NiCr binary alloy coating prepared by cathode plasma electrolytic deposition. <i>Surface and Coatings Technology</i> , <b>2016</b> , 292, 11-19	4-4	14
1038	Plasma Electrolytic Polishing [An Overview of Applied Technologies and Current Challenges to Extend the Polishable Material Range. <b>2016</b> , 42, 503-507		57
1037	Investigation of the heat resistance of zirconia coatings generated by microarc oxidation. <b>2016</b> , 10, 406-411		6
1036	Photocatalytic activity of $TiO_2$ film containing $Fe_2O_3$ via plasma electrolytic oxidation. <b>2016</b> , 32, 443-447		23
1035	Oxidation treatments of beta-type Ti-40Nb for biomedical use. <i>Surface and Coatings Technology</i> , <b>2016</b> , 302, 88-99	4-4	22
1034	Structural, tribological and electrochemical behavior of SiC nanocomposite oxide coatings fabricated by plasma electrolytic oxidation (PEO) on AZ31 magnesium alloy. <b>2016</b> , 683, 241-255		63
1033	Microplasma synthesis of biocompatible coatings with additions of magnesium, silicon and silver on pure titanium from homogeneous electrolytes. <i>Surface and Coatings Technology</i> , <b>2016</b> , 307, 1265-1273	4-4	10
1032	Photoactive $TiO_2$ coatings obtained by Plasma Electrolytic Oxidation in refrigerated electrolytes. <b>2016</b> , 385, 498-505		34
1031	Effects of reagent purity on plasma electrolytic oxidation of titanium in an aluminate-phosphate electrolyte. <b>2016</b> , 94, 32-42		11
1030	Thermal barrier coatings with $Al_2O_3$ composite bond-coat and $La_2Zr_2O_7$ top-coat prepared by cathode plasma electrolytic deposition. <i>Surface and Coatings Technology</i> , <b>2016</b> , 291, 141-150	4-4	13
1029	High quality oxide-layers on Al-alloy by micro-arc oxidation using hybrid voltages. <i>Surface and Coatings Technology</i> , <b>2016</b> , 303, 61-67	4-4	29

1028	Enhanced wear and corrosion resistance of plasma electrolytic carburized layer on T8 carbon steel. <b>2016</b> , 171, 50-56		9
1027	Preparation and characterization of coatings on carbon steel obtained by PEO in silicate/carbonate electrolyte. <i>Surface and Coatings Technology</i> , <b>2016</b> , 296, 96-103	4-4	11
1026	Nanoparticle incorporation in plasma-electrolytic oxidation. <b>2016</b> , 94, 131-138		4
1025	Composite fluoropolymer coatings on the MA8 magnesium alloy surface. <b>2016</b> , 111, 175-185		50
1024	Study of filiform corrosion inhibition by a compact plasma electrolytic oxidation film on a AZ31 Mg alloy. <b>2016</b> , 6, 39053-39062		4
1023	Fabrication of Graphene/Alumina Heterostructured Films with Nanotube Morphology. <b>2016</b> , 120, 9490-9497		7
1022	Microstructure and mechanical properties evaluation of molybdenum disulfide-titania nanocomposite coatings grown by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2016</b> , 303, 68-77	4-4	28
1021	INVESTIGATION OF THE ELECTROLYTE EFFECTS ON FORMATION OF VANADIUM CARBIDE VIA PLASMA ELECTROLYTIC SATURATION METHOD (PES). <b>2016</b> , 23, 1650021		2
1020	Investigation of porous coatings obtained on Ti-Nb-Zr-Sn alloy biomaterial by plasma electrolytic oxidation: characterisation and modelling. <b>2016</b> , 87, 3497-3512		33
1019	The Structure of Plasma-Electrolytic Coating Formed on AlSi alloys by the Micro-Arc Oxidation Method. <b>2016</b> , 52, 128-132		10
1018	Achieving surface chemical and morphologic alterations on tantalum by plasma electrolytic oxidation. <b>2016</b> , 2, 12		6
1017	A mechanism for the growth of a plasma electrolytic oxide coating on Al. <b>2016</b> , 208, 296-303		53
1016	Formation of corrosion resistant plasma electrolytic oxidation coatings on aluminium alloy with addition of sodium tungstate species. <b>2016</b> , 51, 146-154		16
1015	The mechanism of evolution of microdischarges at the beginning of the PEO process on aluminum. <i>Surface and Coatings Technology</i> , <b>2016</b> , 298, 24-32	4-4	33
1014	Electric field effect on surface layer removal during electrolytic plasma polishing. <i>Surface and Coatings Technology</i> , <b>2016</b> , 307, 1329-1340	4-4	22
1013	Anode plasma electrolytic nitrocarburizing of steel in an aqueous electrolyte based on glycerol, ammonium nitrate, and ammonium chloride. <b>2016</b> , 52, 637-644		2
1012	Assessment of the surface properties and evaluation of toxicity of anodized pure Mg according to various stabilizers in electrolyte. <b>2016</b> , 22, 737-745		1
1011	Phase composition, morphology and element contents of micro-arc oxidation ceramic coatings on Ti6Al4V alloy under different calcination conditions. <b>2016</b> , 35, 836-840		3

1010	Influence of Pt particles on the porosity of Al <sub>2</sub> O <sub>3</sub> coating prepared by cathode plasma electrolytic deposition. <b>2016</b> , 184, 1-4		8
1009	Formation and characterization of ZnO films on zinc substrate by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2016</b> , 307, 650-657	4.4	26
1008	The effect of complexing agent on Ti alloy micro-arc oxidation(MAO) coatings in Ca-P electrolyte. <b>2016</b> , 52, 900-909		2
1007	Aluminum- and titanium-supported plasma electrolytic multicomponent coatings with magnetic, catalytic, biocide or biocompatible properties. <i>Surface and Coatings Technology</i> , <b>2016</b> , 307, 1219-1235	4.4	26
1006	Fabrication of the nanoparticle incorporated PEO coating on commercially pure zirconium and its corrosion resistance. <i>Surface and Coatings Technology</i> , <b>2016</b> , 305, 264-273	4.4	30
1005	Surface modification by electrolytic plasma processing for high Nb-TiAl alloys. <b>2016</b> , 389, 1161-1168		10
1004	Preparation of high absorbance and high emittance coatings on 6061 aluminum alloy with a pre-deposition method by plasma electrolytic oxidation. <b>2016</b> , 389, 874-881		9
1003	Effect of the Heat Insulating Coating of the Piston Crown on Characteristics of the Piston-Cylinder Liner Pair. <b>2016</b> , 150, 541-546		5
1002	Plasma Electrolytic Surface Carburizing of Pure Iron. <b>2016</b> , 2560-2571		
1001	Molten Salt Baths: Electrochemical Boriding. <b>2016</b> , 2284-2300		1
1000	Titanium dental implant surfaces obtained by anodic spark deposition - From the past to the future. <b>2016</b> , 69, 1429-41		41
999	Corrosion behavior of plasma electrolytically oxidized gamma titanium aluminide alloy in simulated body fluid. <b>2016</b> , 181, 67-77		8
998	Plasma electrolytic oxidation coatings with particle additions [A review]. <i>Surface and Coatings Technology</i> , <b>2016</b> , 307, 1165-1182	4.4	271
997	Luminescent PEO Coatings on Aluminum. <b>2016</b> , 5, R150-R153		5
996	Combined Effect of Long Processing Time and Na <sub>2</sub> SiF <sub>6</sub> on the Properties of PEO Coatings Formed on AZ91D. <b>2016</b> , 25, 3531-3537		13
995	Characterization and photocatalytic properties of tungsten doped TiO <sub>2</sub> coatings on aluminum obtained by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2016</b> , 305, 192-199	4.4	24
994	Preparation of Fenton-like coating catalyst on Q235 carbon steel by plasma electrolytic oxidation in silicate electrolyte. <i>Surface and Coatings Technology</i> , <b>2016</b> , 307, 1315-1321	4.4	11
993	Microstructure and Tribological Properties of Microarc Oxidation Coatings on Al-Si Alloy. <b>2016</b> , 703, 112-118		



992	Formation of photocatalytic plasma electrolytic oxidation coatings on magnesium alloy by incorporation of TiO <sub>2</sub> particles. <i>Surface and Coatings Technology</i> , <b>2016</b> , 307, 287-291	4-4	12
991	Plasma electrolytic oxidation of Titanium Aluminides. <b>2016</b> , 118, 012025		2
990	Effects of electric parameters on structure and thermal control property of PEO ceramic coatings on Ti alloys. <i>Surface and Coatings Technology</i> , <b>2016</b> , 307, 1284-1290	4-4	18
989	The morphology, structure and composition of microarc oxidation (MAO) ceramic coating in Ca-P electrolyte with complexing agent EDTMPS and interpretation hypothesis of MAO process. <b>2016</b> , 52, 32-42		6
988	Characterization of PEO nanocomposite coatings on titanium formed in electrolyte containing atenolol. <i>Surface and Coatings Technology</i> , <b>2016</b> , 304, 438-449	4-4	25
987	Adaptive-lubricating PEO/Ag/MoS <sub>2</sub> multilayered coatings for Ti6Al4V alloy at elevated temperature. <b>2016</b> , 107, 311-321		30
986	Effect of friction stirred Al-Fe-Si particles in 6061 aluminum alloy on structure and corrosion performance of MAO coating. <i>Surface and Coatings Technology</i> , <b>2016</b> , 304, 85-97	4-4	17
985	Titanium perovskite (CaTiO <sub>3</sub> ) formation in Ti6Al4V alloy using the electrical discharge machining process for biomedical applications. <i>Surface and Coatings Technology</i> , <b>2016</b> , 307, 1011-1015	4-4	33
984	Effects of Al <sub>2</sub> O <sub>3</sub> Nano-Particles on Corrosion Performance of Plasma Electrolytic Oxidation Coatings Formed on 6061 Aluminum Alloy. <b>2016</b> , 25, 5302-5313		37
983	Investigation of absorptance and emissivity of thermal control coatings on Mg-Li alloys and OES analysis during PEO process. <b>2016</b> , 6, 29563		16
982	Electrochemical features of plasma electrolytic thermochemical processing of steel and titanium alloys. <b>2016</b> , 52, 1046-1063		2
981	Formation regularities of gaseous vapour plasma envelope in electrolyzer. <b>2016</b> , 52, 110-116		5
980	Development of plasma electrolytic oxidation for improved Ti6Al4V biomaterial surface properties. <b>2016</b> , 85, 2425-2437		36
979	Inorganic White Thermal-Control Coatings for Extreme Space Environments. <b>2016</b> , 53, 1061-1067		7
978	Effect of plasma electrolytic oxidation treatment on the mechanical properties of a ZrCuNiTiAl bulk metallic glass. <b>2016</b> , 672, 32-39		4
977	Plasma electrolytic saturation of titanium and its alloys with light elements. <b>2016</b> , 10, 516-535		12
976	Tribological properties of PEO nanocomposite coatings on titanium formed in electrolyte containing ketoconazole. <b>2016</b> , 102, 463-471		27
975	Features of nitroquenching of medium-carbon steel during anodic electrolyte plasma processing. <b>2016</b> , 52, 133-139		2

974	Microstructure and Tribological Behavior of a TiO <sub>2</sub> /hBN Composite Ceramic Coating Formed via Micro-arc Oxidation of Ti6Al4V Alloy. <b>2016</b> , 32, 1071-1076		51
973	Preparation of a novel yellow ceramic coating on Ti alloys by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2016</b> , 307, 1297-1302	4-4	15
972	The Effect of Silane on the Microstructure, Corrosion, and Abrasion Resistances of the Anodic Films on Ti Alloy. <b>2016</b> , 25, 1594-1602		11
971	Synthesis of porous Ce-doped titania coating containing CaTiO <sub>3</sub> by MAO and its apatite inducing ability. <i>Surface and Coatings Technology</i> , <b>2016</b> , 302, 117-125	4-4	7
970	La <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> TBCs toughened by Pt particles prepared by cathode plasma electrolytic deposition. <b>2016</b> , 23, 704-715		5
969	Surface Modification of Low-Carbon Steels by Plasma Electrolytic Nitrocarburising. <b>2016</b> , 36, 1271-1286		14
968	Evaluation of the critical stress of anodized coating-AZ91D substrate using SEM in-situ technology. <b>2016</b> , 17, 65-75		2
967	Self-healing plasma electrolytic oxidation coatings doped with benzotriazole loaded halloysite nanotubes on AM50 magnesium alloy. <b>2016</b> , 111, 753-769		128
966	Corrosion protection of thickness reduced plasma electrolytic layers on AZ31. <b>2016</b> , 67, 921-928		5
965	A novel aqueous plasma electrolysis for carbon fiber. <b>2016</b> , 304, 426-430		13
964	Plasma electrolytic saturation of steels with nitrogen and carbon. <i>Surface and Coatings Technology</i> , <b>2016</b> , 307, 1194-1218	4-4	49
963	Photoluminescence of Sm <sup>3+</sup> doped ZrO <sub>2</sub> coatings formed by plasma electrolytic oxidation of zirconium. <b>2016</b> , 164, 329-332		20
962	Investigation of electrode distance impact on PEO coating formation assisted by simulation. <b>2016</b> , 388, 304-312		17
961	Characteristics and response of thin hydroxyapatite-titania films produced by plasma electrolytic oxidation of Ti alloys in electrolytes with particle additions. <b>2016</b> , 6, 12688-12698		27
960	Formation process of in situ oxide coatings with high porosity using one-step plasma electrolytic oxidation. <b>2016</b> , 366, 432-438		24
959	Enhanced Osseointegration of Hierarchical Micro/Nanotopographic Titanium Fabricated by Microarc Oxidation and Electrochemical Treatment. <b>2016</b> , 8, 3840-52		99
958	Surface Charge at the Oxide/Electrolyte Interface: Toward Optimization of Electrolyte Composition for Treatment of Aluminum and Magnesium by Plasma Electrolytic Oxidation. <b>2016</b> , 32, 1405-9		38
957	Zn and Ag Co-doped Anti-microbial TiO <sub>2</sub> Coatings on Ti by Micro-arc Oxidation. <b>2016</b> , 32, 919-924		49

956	Incorporation of ZrO <sub>2</sub> particles in the oxide layer formed on Mg by anodizing: Influence of electrolyte concentration and current modes. <b>2016</b> , 464, 36-47		10
955	The correlation between the coating structure and the corrosion behavior of the plasma electrolytic oxidation coating on aluminum. <i>Surface and Coatings Technology</i> , <b>2016</b> , 286, 223-230	4-4	37
954	A nanoplate-like $\beta$ -Al <sub>2</sub> O <sub>3</sub> out-layered Al <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> coating fabricated by micro-arc oxidation for hip joint prosthesis. <b>2016</b> , 361, 141-149		14
953	X-ray Computed Tomographic Investigation of the Porosity and Morphology of Plasma Electrolytic Oxidation Coatings. <b>2016</b> , 8, 8801-10		31
952	In situ impedance spectroscopy of the plasma electrolytic oxidation process for deposition of Ca- and P-containing coatings on Ti. <i>Surface and Coatings Technology</i> , <b>2016</b> , 301, 54-62	4-4	66
951	Plasma-assisted electrolytic synthesis of In(OH) <sub>3</sub> nanocubes for thermal transformation into In <sub>2</sub> O <sub>3</sub> nanocubes with a controllable Sn content. <b>2016</b> , 6, 20337-20342		5
950	The challenge and promise of low-temperature bioceramic coatings: An editorial. <i>Surface and Coatings Technology</i> , <b>2016</b> , 301, 1-5	4-4	16
949	Formation and photoluminescence of Eu <sup>3+</sup> doped zirconia coatings formed by plasma electrolytic oxidation. <b>2016</b> , 176, 25-31		24
948	Characterisation and Electrochemical Evaluation of Plasma Electrolytic Oxidation Coatings on Magnesium with Plasma Enhanced Chemical Vapour Deposition Post-Treatments. <b>2016</b> , 13, 266-278		13
947	Sliding wear behaviour and microstructure of PEO coatings formed on aluminium alloy. <b>2016</b> , 32, 1559-1566		11
946	A Simple Method to Functionalize the Surface of Plasma Electrolytic Oxidation Produced TiO <sub>2</sub> Coatings for Growing Hydroxyapatite. <b>2016</b> , 193, 216-224		17
945	Corrosion and nanomechanical behaviors of plasma electrolytic oxidation coated AA7020-T6 aluminum alloy. <b>2016</b> , 660, 39-46		37
944	Porous $\beta$ -Al <sub>2</sub> O <sub>3</sub> thermal barrier coatings with dispersed Pt particles prepared by cathode plasma electrolytic deposition. <b>2016</b> , 23, 92-101		17
943	Influence of polyethylene glycol on cathode plasma electrolytic depositing Al <sub>2</sub> O <sub>3</sub> anti-oxidation coatings. <b>2016</b> , 42, 8229-8233		24
942	Influence of Na <sub>2</sub> SiO <sub>3</sub> addition on surface microstructure and cavitation damage characteristics for plasma electrolytic oxidation of Al/Mg alloy. <b>2016</b> , 55, 01AF02		2
941	An investigation on pulsed DC plasma electrolytic oxidation of cp-Ti and its corrosion behaviour in simulated body fluid. <i>Surface and Coatings Technology</i> , <b>2016</b> , 301, 63-73	4-4	37
940	Formation of a Spinel Coating on AZ31 Magnesium Alloy by Plasma Electrolytic Oxidation. <b>2016</b> , 25, 1157-1162		9
939	Structural, photoluminescent and photocatalytic properties of TiO <sub>2</sub> :Eu <sup>3+</sup> coatings formed by plasma electrolytic oxidation. <b>2016</b> , 370, 218-228		62

938	Effects of alumina nanoparticles concentration on microstructure and corrosion behavior of coatings formed on titanium substrate via PEO process. <b>2016</b> , 42, 8789-8797		43
937	Dye sensitized solar cells based on hydrothermally grown TiO <sub>2</sub> nanostars over nanorods. <b>2016</b> , 42, 8038-8043	18	
936	Influence of coating morphology on adhesive bonding of titanium pre-treated by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2016</b> , 289, 101-109	4-4	18
935	Electrochemical behaviour of titanium in KOH at high potential. <b>2016</b> , 202, 253-261		23
934	Corrosion performance of MAO coatings on AZ31 Mg alloy in simulated body fluid vs. Earle's Balance Salt Solution. <b>2016</b> , 363, 328-337		40
933	Corrosion resistance of plasma electrolytic oxidation layer of a non-ignitable Mg <sub>97</sub> Al <sub>2</sub> Mn <sub>1</sub> Ca magnesium alloy. <b>2016</b> , 104, 207-216		18
932	Enhanced mechanical properties and increased corrosion resistance of a biodegradable magnesium alloy by plasma electrolytic oxidation (PEO). <b>2016</b> , 208, 39-46		55
931	Surface characterisation and corrosion behaviour of niobium treated in a Ca- and P-containing solution under sparking conditions. <b>2016</b> , 198, 91-103		36
930	Biofunctional surfaces by plasma electrolytic oxidation on titanium biomedical alloys. <b>2016</b> , 32, 411-417		35
929	Preparation of PEO coating on Ti6Al4V in different electrolytes and evaluation of its properties. <b>2016</b> , 32, 448-456		16
928	Plasma Electrolytic Hardening and Nitrohardening of Medium Carbon Steels. <b>2016</b> , 844, 146-152		4
927	Key factors determining the development of two morphologies of plasma electrolytic coatings on an Al <sub>70</sub> Ti <sub>30</sub> alloy in aluminate electrolytes. <i>Surface and Coatings Technology</i> , <b>2016</b> , 291, 239-249	4-4	43
926	Role of electrolyte additives on in-vitro corrosion behavior of DC plasma electrolytic oxidation coatings formed on Cp-Ti. <i>Surface and Coatings Technology</i> , <b>2016</b> , 292, 20-29	4-4	38
925	Effect of Na <sub>2</sub> WO <sub>4</sub> on Growth Process and Corrosion Resistance of Micro-arc Oxidation Coatings on 2A12 Aluminum Alloys in CH <sub>3</sub> COONa Electrolyte. <b>2016</b> , 25, 297-303		11
924	Influence of Concentrations of KOH and Na <sub>2</sub> SiO <sub>3</sub> Electrolytes on the Electrochemical Behavior of Ceramic Coatings on 6061 Al Alloy Processed by Plasma Electrolytic Oxidation. <b>2016</b> , 29, 274-281		35
923	Synthesis of Y <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> -SiO <sub>2</sub> composite coatings on carbon fiber reinforced resin matrix composite by an electro-plasma process. <b>2016</b> , 371, 504-511		9
922	Investigation of the formation mechanisms of plasma electrolytic oxidation coatings on Mg alloy AM50 using particles. <b>2016</b> , 196, 680-691		70
921	Formation mechanism and surface characterization of ceramic composite coatings on pure titanium prepared by micro-arc oxidation in electrolytes containing nanoparticles. <i>Surface and Coatings Technology</i> , <b>2016</b> , 291, 396-405	4-4	69

920	Direct fabrication of crystalline hydroxyapatite coating on zirconium by single-step plasma electrolytic oxidation process. <i>Surface and Coatings Technology</i> , <b>2016</b> , 301, 74-79	4.4	23
919	Plasma electrolytic oxidation coatings on Mg alloy with addition of SiO <sub>2</sub> particles. <b>2016</b> , 187, 20-33		170
918	Effect of Na <sub>2</sub> SiO <sub>3</sub> ·5H <sub>2</sub> O concentration on microstructure and mechanical properties of plasma electrolytic oxide coatings on AZ31 Mg alloy produced by twin roll casting. <b>2016</b> , 42, 1246-1253		33
917	Investigation of the effect of titanium alloy surface coating with different techniques on titanium-porcelain bonding. <b>2016</b> , 115, 115-22		5
916	Localized corrosion of the Mg alloys with inhibitor-containing coatings: SVET and SIET studies. <b>2016</b> , 102, 269-278		81
915	Bioactive coatings on Ti6Al4V alloy formed by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2016</b> , 301, 85-93	4.4	60
914	Facile fix of porous composite titania photocatalytic film by PEO. <b>2016</b> , 32, 423-427		7
913	Plasma-electrochemical deposition of porous zirconia on titanium-based dental material and in vitro interactions with primary osteoblasts cells. <b>2016</b> , 30, 711-21		5
912	Fast synthesis of turbostratic carbon thin coating by cathodic plasma electrolysis. <b>2017</b> , 621, 253-258		11
911	FABRICATION AND CHARACTERIZATION OF PLASMA ELECTROLYTIC BOROCARBURIZED LAYERS ON Q235 LOW-CARBON STEEL AT DIFFERENT DISCHARGE VOLTAGES. <b>2017</b> , 24, 1750088		3
910	Anodic films obtained on Ti6Al4V in aluminate solutions by spark anodizing: Effect of OH <sup>-</sup> and WO <sub>4</sub> <sup>2-</sup> additions on the tribological properties. <i>Surface and Coatings Technology</i> , <b>2017</b> , 310, 180-189	4.4	13
909	PEO Coatings with Active Protection Based on In-Situ Formed LDH-Nanocontainers. <b>2017</b> , 164, C36-C45		50
908	Simultaneous co-doping of RuO <sub>2</sub> and IrO <sub>2</sub> into anodic TiO <sub>2</sub> nanotubes: A binary catalyst for electrochemical water splitting. <b>2017</b> , 42, 6657-6664		40
907	Cathodic contact glow discharge electrolysis: its origin and non-faradaic chemical effects. <b>2017</b> , 26, 015005		12
906	Investigation of anodic plasma electrolytic carbonitriding on medium carbon steel. <i>Surface and Coatings Technology</i> , <b>2017</b> , 313, 288-293	4.4	14
905	Effect of Electrolytic Plasma Processing on the Removal of Surface Scale for Fe <sub>6.5</sub> Si Alloy. <b>2017</b> , 2, 1158-1162		2
904	Microstructural characteristics of oxide layer formed by plasma electrolytic oxidation: Nanocrystalline and amorphous structures. <b>2017</b> , 707, 167-171		26
903	An investigation on ZrO <sub>2</sub> nano-particle incorporation, surface properties and electrochemical corrosion behaviour of PEO coating formed on Cp-Ti. <i>Surface and Coatings Technology</i> , <b>2017</b> , 313, 263-273	4.4	26

902	Electrolyte influence on ignition of plasma electrolytic oxidation processes on light metals. <i>Surface and Coatings Technology</i> , <b>2017</b> , 315, 205-213	4.4	35
901	Cobalt and iron segregation and nitride formation from nitrogen plasma treatment of CoFeB surfaces. <b>2017</b> , 146, 052805		5
900	Characteristics of CeO <sub>2</sub> /ZrO <sub>2</sub> -HA composite coating on ZK60 magnesium alloy. <b>2017</b> , 32, 1073-1082		14
899	The Influence of Current Density and Frequency on the Microstructure and Corrosion Behavior of Plasma Electrolytic Oxidation Coatings on Ti6Al4V. <b>2017</b> , 26, 931-944		4
898	Preparation and characterization of porous bioceramic layers on pure titanium surfaces obtained by micro-arc oxidation process. <b>2017</b> , 123, 1		11
897	Bioactive plasma electrolytic oxidation coatings on Mg-Ca alloy to control degradation behaviour. <i>Surface and Coatings Technology</i> , <b>2017</b> , 315, 454-467	4.4	54
896	Soft plasma electrolysis with complex ions for optimizing electrochemical performance. <b>2017</b> , 7, 44458		72
895	Anti-corrosion and wear properties of plasma electrolytic oxidation coating formed on high Si content Al alloy by sectionalized oxidation mode. <b>2017</b> , 167, 012063		6
894	Delay in micro-discharges appearance during PEO of Al: Evidence of a mechanism of charge accumulation at the electrolyte/oxide interface. <b>2017</b> , 410, 29-41		43
893	Plasma Electrochemistry with Ionic Liquids. <b>2017</b> , 345-371		
892	Evaluation of La containing PEO pretreatment on protective performance of epoxy coating on magnesium. <b>2017</b> , 105, 258-266		29
891	Active protective PEO coatings on AA2024: Role of voltage on in-situ LDH growth. <b>2017</b> , 120, 36-46		71
890	Statistical analysis of the voltage-time response produced during PEO coating of AZ31B magnesium alloy. <i>Surface and Coatings Technology</i> , <b>2017</b> , 315, 530-545	4.4	11
889	Contact Glow Discharge Electrolysis: A Novel Tool for Manifold Applications. <b>2017</b> , 37, 897-945		35
888	Growth kinetics and morphology of microarc oxidation coating on titanium. <i>Surface and Coatings Technology</i> , <b>2017</b> , 315, 567-576	4.4	26
887	Electrochemical rutile and anatase formation on PEO surfaces. <i>Surface and Coatings Technology</i> , <b>2017</b> , 315, 139-149	4.4	16
886	Composition of highly concentrated silicate electrolytes and ultrasound influencing the plasma electrolytic oxidation of magnesium. <b>2017</b> , 181, 012040		3
885	Effect of process parameters on coating composition of cathodic-plasma-electrolysis-treated copper. <b>2017</b> , 40, 355-365		5

884	Influence of electrolyte composition on microstructure, adhesion and bioactivity of micro-arc oxidation coatings produced on biomedical Ti6Al7Nb alloy. <i>Surface and Coatings Technology</i> , <b>2017</b> , 321, 97-107	4.4	27
883	Synthesis and biological properties of Zn-incorporated micro/nano-textured surface on Ti by high current anodization. <b>2017</b> , 78, 175-184		12
882	Enhancement of electrochemical discharge machining accuracy and surface integrity using side-insulated tool electrode with diamond coating. <b>2017</b> , 27, 065013		21
881	Room-temperature aqueous plasma electrolyzing Al <sub>2</sub> O <sub>3</sub> nano-coating on carbon fiber. <b>2017</b> , 419, 357-364		15
880	Increasing Wear Resistance of Titanium Alloys by Anode Plasma Electrolytic Saturation with Interstitial Elements. <b>2017</b> , 26, 2404-2410		5
879	Optical emission spectroscopy of plasma electrolytic oxidation process on 7075 aluminum alloy. <i>Surface and Coatings Technology</i> , <b>2017</b> , 324, 18-25	4.4	20
878	Effect of Electrolyte Concentration on the Structure and Corrosion Resistance of Anodic Films Formed on Magnesium through Plasma Electrolytic Oxidation. <b>2017</b> , 240, 415-423		55
877	Role of lanthanum nitrate in protective performance of PEO/epoxy double layer on AZ31 Mg alloy: Electrochemical and thermodynamic investigations. <b>2017</b> , 53, 213-227		30
876	Micro-structures and growth mechanisms of plasma electrolytic oxidation coatings on aluminium at different current densities. <i>Surface and Coatings Technology</i> , <b>2017</b> , 321, 236-246	4.4	44
875	Borate effects on coatings by PEO on AZ91D alloy. <b>2017</b> , 33, 773-778		9
874	Effect of plasma electrolytic nitrocarburizing on phase composition of 0.3C-1Mn-1Si-Fe steel. <b>2017</b> , 8, 130-135		4
873	The effect of rolling on the microstructure and compression behavior of AA5083 subjected to large-scale ECAE. <b>2017</b> , 695, 3589-3597		6
872	Fabrication of duplex coatings on biodegradable AZ31 magnesium alloy by integrating cerium conversion (CC) and plasma electrolytic oxidation (PEO) processes. <b>2017</b> , 722, 698-715		39
871	Effect of lanthanum nitrate on the microstructure and electrochemical behavior of PEO coatings on AZ31 Mg alloy. <b>2017</b> , 719, 242-255		47
870	Wear-resistant oxide coatings on aluminum alloy formed in borate and silicate aqueous electrolytes by plasma electrolytic oxidation. <b>2017</b> , 53, 466-474		5
869	A novel method to synthesize molybdenum doped TiO <sub>2</sub> films with enhanced photocatalytic activity. <b>2017</b> , 123, 1		4
868	Corrosion Behavior of PEO Coatings Formed on AZ31 Alloy in Phosphate-Based Electrolytes with Calcium Acetate Additive. <b>2017</b> , 26, 3204-3215		7
867	Mechanism and optimization for plasma electrolytic liquefaction of sawdust. <b>2017</b> , 241, 545-551		15

866	Characterization and one-step synthesis of Hydroxyapatite-Ti(C,N)-TiO <sub>2</sub> composite coating by cathodic plasma electrolytic saturation and accompanying electrochemical deposition on titanium alloy. <i>Surface and Coatings Technology</i> , <b>2017</b> , 324, 463-470	4.4	12
865	A novel solid acid coating catalyst on Q235 carbon steel for Fenton-like oxidation of phenol under circumneutral pH. <b>2017</b> , 711, 278-286		7
864	In vitro properties of bioceramic coatings produced on zirconium by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2017</b> , 324, 129-139	4.4	29
863	Microarc oxidation coating covered Ti implants with micro-scale gouges formed by a multi-step treatment for improving osseointegration. <b>2017</b> , 76, 908-917		18
862	Microarc oxidation discharge types and bio properties of the coating synthesized on zirconium. <b>2017</b> , 77, 374-383		32
861	Plasma electrolytic oxidation of magnesium and its alloys: Mechanism, properties and applications. <b>2017</b> , 5, 74-132		243
860	Study on morphology evolution of anodic tantalum oxide films in different using stages of H <sub>2</sub> SO <sub>4</sub> /HF electrolyte. <b>2017</b> , 236, 140-153		12
859	A highly compact coating responsible for enhancing corrosion properties of Al-Mg-Si alloy. <b>2017</b> , 196, 316-319		13
858	In-situ grown MgO-ZnO ceramic coating with high thermal emittance on Mg alloy by plasma electrolytic oxidation. <b>2017</b> , 136, 230-235		14
857	Excellent corrosion resistance of P and Fe modified micro-arc oxidation coating on Al alloy. <b>2017</b> , 710, 452-459		38
856	Synergistic effect of PEG and hydrosol treatments of solution on preparing Al <sub>2</sub> O <sub>3</sub> coating by cathode plasma electrolytic deposition. <b>2017</b> , 4, 036306		7
855	An Investigation of Corrosion Resistance and Antibacterial Sensitivity Properties of Nano-Ag-Doped (hbox {TiO}_{2}) Coating and (hbox {TiO}_{2}) Coating Grown on NiTi Alloy with the Micro-Arc Oxidation Process. <b>2017</b> , 42, 2329-2339		20
854	Wear resistance of alumina-coated oil casing steel N80 via MAO with rare earth additive. <b>2017</b> , 43, 6397-6402		11
853	Electrolytic plasma processing-an innovative treatment for surface modification of 304 stainless steel. <b>2017</b> , 7, 308		6
852	Polyethylenimine/kappa carrageenan: Micro-arc oxidation coating for passivation of magnesium alloy. <b>2017</b> , 167, 185-195		20
851	Morphological and Electrochemical Study of Sulfide/Nitride Nanostructure Deposited Through Pulsed Plasma Electrolysis. <b>2017</b> , 26, 1657-1663		3
850	Tunable thermo-optical performance promoted by temperature selective sputtering of titanium oxide on MgO-ZrO <sub>2</sub> coating. <b>2017</b> , 709, 104-111		6
849	Plasma current analysis using discrete wavelet transform during plasma electrolytic oxidation on aluminum. <b>2017</b> , 792, 79-87		11



848	Characterization of self-sealing MAO ceramic coatings with green or black color on an Al alloy. <b>2017</b> , 7, 1597-1605		2
847	The role of cathodic current in PEO of aluminum: Influence of cationic electrolyte composition on the transient current-voltage curves and the discharges optical emission spectra. <b>2017</b> , 394, 323-332		34
846	Anomalous layer-thickening during micro-arc oxidation of 6061 Al alloy. <b>2017</b> , 697, 326-332		15
845	Effects of silicate ion concentration on the formation of ceramic oxide layers produced by plasma electrolytic oxidation on Al alloy. <b>2017</b> , 56, 01AB01		7
844	Effect of heat treatment atmosphere on the structure and apatite-inducing ability of Ca, P, Si and Na incorporated microarc oxidation coating on titanium. <i>Surface and Coatings Technology</i> , <b>2017</b> , 310, 190-198	4-4	1
843	The effects of anion deposition and negative pulse on the behaviours of plasma electrolytic oxidation (PEO) A systematic study of the PEO of a Zirlo alloy in aluminate electrolytes. <b>2017</b> , 225, 47-68		69
842	Preparation and characterization of amorphous SiO <sub>2</sub> coatings deposited by mirco-arc oxidation on sintered NdFeB permanent magnets. <b>2017</b> , 426, 361-368		12
841	Synergistic influence of inorganic oxides (ZrO and SiO) with NH to protect composite coatings obtained via plasma electrolyte oxidation on Mg alloy. <b>2017</b> , 19, 2372-2382		31
840	Microstructure, corrosion resistance and formation mechanism of alumina micro-arc oxidation coatings on sintered NdFeB permanent magnets. <i>Surface and Coatings Technology</i> , <b>2017</b> , 309, 621-627	4-4	22
839	Effect of K <sub>2</sub> TiO(C <sub>2</sub> O <sub>4</sub> ) <sub>2</sub> Addition in Electrolyte on the Microstructure and Tribological Behavior of Micro-Arc Oxidation Coatings on Aluminum Alloy. <b>2017</b> , 30, 1109-1118		6
838	Effects of pulse frequency and duty cycle on the plasma discharge characteristics and surface microstructure of carbon steel by plasma electrolytic nitrocarburizing. <i>Surface and Coatings Technology</i> , <b>2017</b> , 330, 113-120	4-4	8
837	Characterization and properties of PEO coatings on 7075 Al alloy grown in alkaline silicate electrolyte containing KMnO <sub>4</sub> additive. <i>Surface and Coatings Technology</i> , <b>2017</b> , 329, 250-261	4-4	29
836	Morphology and Tribological Behaviour of Amorphous and Crystalline Aluminum Oxide Layers. <b>2017</b> , 267, 190-194		0
835	Effects of Pulse Current Mode on Plasma Electrolytic Oxidation of 7075 Al in KMnO <sub>4</sub> Containing Solution. <b>2017</b> , 164, C690-C698		6
834	Study of Scanning Micro-arc Oxidation and Coating Development. <b>2017</b> , 26, 5323-5332		4
833	Characterization and in vitro properties of anti-bacterial Ag-based bioceramic coatings formed on zirconium by micro arc oxidation and thermal evaporation. <i>Surface and Coatings Technology</i> , <b>2017</b> , 331, 107-115	4-4	18
832	Structure and properties of newly designed MAO/TiN coating on AZ31B Mg alloy. <i>Surface and Coatings Technology</i> , <b>2017</b> , 328, 319-325	4-4	12
831	One-step preparation of TiO <sub>2</sub> particles with controllable phase and morphology by plasma electrolysis. <b>2017</b> , 7, 39824-39832		5

830	Characterization and first-principles calculations of WO <sub>3</sub> /TiO <sub>2</sub> composite films on titanium prepared by microarc oxidation. <b>2017</b> , 201, 311-322		10
829	The Role of Cathodic Current in Plasma Electrolytic Oxidation of Aluminum: Phenomenological Concepts of the "Soft Sparking" Mode. <b>2017</b> , 33, 11059-11069		50
828	Synthesis of Zirconium-Titanium oxide mixed layers on Ti substrates by plasma electrolytic oxidation and plasma-enhanced electrophoresis. <b>2017</b> , 726, 930-938		9
827	Plasma electrolytic nitriding of steels. <b>2017</b> , 11, 767-789		12
826	Heat Transfer in the Anode Region in Plasma-Electrolytic Heating of a Cylindrical Sample. <b>2017</b> , 90, 862-872		3
825	Mechanism of Al <sub>2</sub> O <sub>3</sub> coating by cathodic plasma electrolytic deposition on TiAl alloy in Al(NO <sub>3</sub> ) <sub>3</sub> ethanol-water electrolytes. <b>2017</b> , 202, 114-119		14
824	SiO <sub>2</sub> /TiO <sub>2</sub> Composite Film for High Capacity and Excellent Cycling Stability in Lithium-Ion Battery Anodes. <b>2017</b> , 27, 1703538		57
823	An Investigation into the Corrosion Behavior of MgO/ZrO <sub>2</sub> Nanocomposite Coatings Prepared by Plasma Electrolytic Oxidation on the AZ91 Magnesium Alloy. <b>2017</b> , 26, 4255-4264		11
822	High-Frequency-Induced Cathodic Breakdown during Plasma Electrolytic Oxidation. <b>2017</b> , 8,		14
821	Tetragonal ZrO <sub>2</sub> phase stabilization in coating layers prepared on Zr <sub>0.5</sub> Nb alloy during plasma electrolytic oxidation in sodium aluminate electrolytes. <b>2017</b> , 4, 095702		4
820	Nanoscale Oxide PEO Coatings Forming from Diphosphate Electrolytes. <b>2017</b> , 507-531		4
819	Electrical characteristics and discharge properties of hybrid plasma electrolytic oxidation on titanium. <b>2017</b> , 728, 464-475		22
818	Characterization and bioactivity of hydroxyapatite-based coatings formed on steel by electro-spark deposition and micro-arc oxidation. <i>Surface and Coatings Technology</i> , <b>2017</b> , 326, 111-120	4-4	23
817	Corrosion behavior of Al-1wt% Mg-0.85wt%Si alloy coated by micro-arc-oxidation using TiO <sub>2</sub> and Na <sub>2</sub> MoO <sub>4</sub> additives: Role of current density. <b>2017</b> , 723, 448-455		22
816	Photocatalytic properties of Zn- and Cd-containing oxide layers on titanium formed by plasma electrolytic oxidation. <b>2017</b> , 53, 711-715		3
815	Toward a nearly defect-free coating via high-energy plasma sparks. <b>2017</b> , 7, 2378		22
814	Structural and electrochemical properties of the catalytic CeO <sub>2</sub> nanoparticles-based PEO ceramic coatings on AZ91 Mg alloy. <b>2017</b> , 726, 284-294		26
813	Recent advances in energy efficient PEO processing of aluminium alloys. <b>2017</b> , 27, 1439-1454		41

812	Synthesis of Al <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> Ceramic Coatings on the FeCrAl Wire via Aqueous Cathodic Plasma Electrolysis. <b>2017</b> , 56, 15058-15064		3
811	An X-ray photoelectron spectroscopy study of Ni, Cu-containing coatings formed by plasma electrolytic oxidation on aluminum and titanium. <b>2017</b> , 58, 1129-1136		6
810	Recent development of calcium phosphate-based coatings on titanium alloy implants. <b>2017</b> , 53, 419-433		6
809	Development of copper-enriched porous coatings on ternary Ti-Nb-Zr alloy by plasma electrolytic oxidation. <b>2017</b> , 89, 2953-2965		24
808	Effects of Duty Cycle, Current Frequency, and Current Density on Corrosion Behavior of the Plasma Electrolytic Oxidation Coatings on 6061 Al Alloy in Artificial Seawater. <b>2017</b> , 48, 4681-4692		28
807	Cathodic plasma electrolysis for preparation of diamond-like carbon particles in glycerol solution. <b>2017</b> , 199, 289-294		7
806	In vivo study of microarc oxidation coated biodegradable magnesium plate to heal bone fracture defect of 3mm width. <b>2017</b> , 158, 147-156		22
805	Alumina- zirconia coatings produced by Plasma Electrolytic Oxidation on Al alloy for corrosion resistance improvement. <b>2017</b> , 724, 435-442		32
804	W-containing oxide layers obtained on aluminum and titanium by PEO as catalysts in thiophene oxidation. <b>2017</b> , 422, 1007-1014		16
803	Effect of power supply on the deposition of Zn on a steel substrate using cathodic plasma electrolysis. <i>Surface and Coatings Technology</i> , <b>2017</b> , 325, 30-38	4.4	1
802	Effects of heat treatment on the microstructure and properties of TiO <sub>2</sub> based film by plasma electrolytic oxidation. <b>2017</b> , 148, 1185-1190		
801	Formation of Ba <sub>x</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> films on TiN-coated substrates by plasma electrolytic oxidation. <b>2017</b> , 43, S584-S590		6
800	Optical emission spectroscopic determination of the optimum regions for micro-arc oxidation of titanium. <i>Surface and Coatings Technology</i> , <b>2017</b> , 325, 166-173	4.4	9
799	Dual incorporation of SiO <sub>2</sub> and ZrO <sub>2</sub> nanoparticles into the oxide layer on 6061 Al alloy via plasma electrolytic oxidation: Coating structure and corrosion properties. <b>2017</b> , 707, 358-364		49
798	Growth kinetics and morphology of plasma electrolytic oxidation coating on aluminum. <b>2017</b> , 185, 162-175		29
797	Thermal features of plasma electrolytic heating of titanium. <b>2017</b> , 107, 1104-1109		3
796	Apatite grown in niobium by two-step plasma electrolytic oxidation. <b>2017</b> , 77, 1235-1241		28
795	Raman spectroscopy of thin DLC film deposited by plasma electrolysis process. <i>Surface and Coatings Technology</i> , <b>2017</b> , 309, 945-950	4.4	16

794	Reduced bacteria adhesion on octenidine loaded mesoporous silica nanoparticles coating on titanium substrates. <b>2017</b> , 70, 386-395	21
793	Cathodic Plasma Electrolysis Processing for Metal Coating Deposition. <b>2017</b> , 37, 177-187	10
792	Formation of zirconia tetragonal phase by plasma electrolytic oxidation of zirconium alloy in electrolyte comprising additives of yttria nanopowder. <i>Surface and Coatings Technology</i> , <b>2017</b> , 328, 513-517	24
791	Investigation of tribological and physical behavior of sulfide film produced by DC -regime plasma electrolysis. <i>Surface and Coatings Technology</i> , <b>2017</b> , 309, 1099-1104	4-4 3
790	Corrosion resistance and in vitro bioactivity of Si-containing coating prepared on a biodegradable Mg-Zn-Ca bulk metallic glass by micro-arc oxidation. <b>2017</b> , 456, 125-131	22
789	Extreme Ultraviolet Light Lithography for Producing Nanofeatures in Next-Generation Semiconductor Processing. <b>2017</b> , 35-54	
788	Effect of fluoride ions modifier and ceramic Al <sub>2</sub> O <sub>3</sub> particles additives on plasma electrolytic oxidation of AZ31. <b>2017</b> , 33, 767-772	13
787	Growth mechanism of amorphous carbon by liquid plasma electrolytic deposition. <b>2017</b> , 49, 261-266	
786	Surface Microstructure and High Temperature Oxidation Resistance of Thermal Sprayed NiCoCrAlY Bond-Coat Modified by Cathode Plasma Electrolysis. <b>2017</b> , 33, 1055-1060	17
785	Oxide Growth Mechanism on Mg AZ91 Alloy by Anodizing: Combination of Electrochemical and Ellipsometric In-Situ Measurements. <b>2017</b> , 164, C1059-C1066	7
784	Feasibility Study on the MAO- and SH-coated Cylinder Liners Application in ICE. <b>2017</b> , 206, 692-697	0
783	Thermal Protection of Internal Combustion Engines Pistons. <b>2017</b> , 206, 1382-1387	12
782	Influence of Al-Si alloy microstructure on the corrosion resistance of coatings formed by the microarc oxidation method. <b>2017</b> , 129, 02016	0
781	Morphology and phase composition of MAO ceramic coating containing Cu on Ti6Al4V alloy. <b>2017</b> , 36, 671-675	4
780	Evaluation of Wear and Corrosion Resistances of Oxide Coatings Formed on Magnesium Alloys by Micro Arc Oxidation. <b>2017</b> , 263, 125-130	
779	Experimental Parameter Effect on Ceramic Coating Film on LY12 Alloy by Micro-arc Oxidation. <b>2017</b> , 230, 012012	
778	Investigation of the thermophysical properties of the oxide layer formed by microarc oxidation on Al-Si alloy. <b>2017</b> , 129, 02015	3
777	General and Galvanic Corrosion Behavior of Aluminized Ultra-High Strength Steel (UHSS) and Magnesium Alloy AZ35 Altered by Plasma Electrolytic Oxidation Coating Processes. <b>2017</b> ,	1

776	Electrochemical Synthesis of Nanostructured Materials. <b>2017</b> , 53-103		4
775	Microarc Oxidation Coating Combined with Surface Pore-Sealing Treatment Enhances Corrosion Fatigue Performance of 7075-T7351 Al Alloy in Different Media. <b>2017</b> , 10,		19
774	An Investigation of Oxide Coating Synthesized on an Aluminum Alloy by Plasma Electrolytic Oxidation in Molten Salt. <b>2017</b> , 7, 889		15
773	Progress in Wear Resistant Materials for Total Hip Arthroplasty. <b>2017</b> , 7, 99		15
772	Advances in Bearing Materials for Total Artificial Hip Arthroplasty. <b>2017</b> , 467-494		
771	Obtaining an Optical Trap Type Surface by Plasma Electrolytic Oxidation. <b>2017</b> , 20, 905-909		2
770	The Effect of Iron Precursors in an Electrolyte on the Formation, Composition, and Magnetic Properties of Oxide Coatings on Titanium. <b>2017</b> , 53, 1005-1014		2
769	Microstructural, protective, inhibitory and semiconducting properties of PEO coatings containing CeO <sub>2</sub> nanoparticles formed on AZ31 Mg alloy. <i>Surface and Coatings Technology</i> , <b>2018</b> , 352, 561-580	4-4	35
768	Recubrimientos porosos de dióxido de titanio sintetizados por oxidación anódica. <b>2018</b> , 23,		
767	Ni-doped Al <sub>2</sub> O <sub>3</sub> coatings prepared by cathode plasma electrolysis deposition on Ti-45Al-8.5 Nb alloys. <b>2018</b> , 455, 144-152		15
766	Effects of Electrolyte Composition on Heat Exchange in Anode Plasma Electrolyte Treatment of Commercial Titanium. <b>2018</b> , 54, 136-141		2
765	Impurity-induced discharges in plasma electrolysis. <b>2018</b> , 91, 54-59		6
764	Machining of fluidic channels on borosilicate glass using grinding-aided electrochemical discharge engraving (G-ECDE) and process optimization. <b>2018</b> , 40, 1		8
763	High cycle fatigue behavior of the severely plastically deformed 6082 aluminum alloy with an anodic and plasma electrolytic oxide coating. <i>Surface and Coatings Technology</i> , <b>2018</b> , 349, 576-583	4-4	17
762	Oxidation resistance improvement of Zr-4 alloy in 1000 °C steam environment using ZrO <sub>2</sub> /FeCrAl bilayer coating. <i>Surface and Coatings Technology</i> , <b>2018</b> , 349, 807-815	4-4	30
761	Investigation of Antibacterial Susceptibility of Ag-Doped Oxide Coatings onto AZ91 Magnesium Alloy by Microarc Oxidation Method. <b>2018</b> , 2018, 1-7		7
760	Self-repairing capability of magnesium alloy during the plasma electrolytic oxidation process. <b>2018</b> , 766, 88-94		12
759	Research on the improvement of mixed titania and Co(Mn) oxide nano-composite coatings. <b>2018</b> , 369, 012019		1

758	Al <sub>2</sub> O <sub>3</sub> /reduced graphene oxide double-layer radiative coating for efficient heat dissipation. <b>2018</b> , 157, 130-140		16
757	The Anodic Oxidation of Titanium and Its Alloys. <b>2018</b> , 41-54		4
756	Microstructural and tribological investigations of diecast and hard anodized AlSiCu alloys. <i>Surface and Coatings Technology</i> , <b>2018</b> , 352, 462-473	4-4	5
755	Microstructural and optical properties of rare earth ions doped TiO <sub>2</sub> for potential white LED applications. <b>2018</b> , 29, 16824-16835		12
754	Intrinsically ferromagnetic Fe-doped TiO coatings on titanium for accelerating osteoblast response in vitro. <b>2018</b> , 6, 5756-5767		22
753	Decoration of an inorganic layer with nickel (hydr)oxide green plasma electrolysis.. <b>2018</b> , 8, 26804-26816		4
752	A re-understanding of the breakdown theory from the study of the plasma electrolytic oxidation of a carbon steel [A non-valve metal. <b>2018</b> , 284, 681-695		24
751	Self-lubricated nanoporous TiO <sub>2</sub> -TiN films fabricated on nanocrystalline layer of titanium with enhanced tribological properties. <i>Surface and Coatings Technology</i> , <b>2018</b> , 351, 162-170	4-4	9
750	Plasma Processing of Aluminum Alloys to Promote Adhesion: A Critical Review. <b>2018</b> , 77-100		1
749	Electrochemical Impedance and Polarization Corrosion Studies of Tantalum Surface Modified by DC Plasma Electrolytic Oxidation. <b>2018</b> , 11,		23
748	Effect of DC Plasma Electrolytic Oxidation on Surface Characteristics and Corrosion Resistance of Zirconium. <b>2018</b> , 11,		10
747	Review of the Soft Sparking Issues in Plasma Electrolytic Oxidation. <b>2018</b> , 8, 105		42
746	Influence of the Velocity and the Number of Polishing Passages on the Roughness of Electrolytic Plasma Polished Pipe Inner Surfaces. <b>2018</b> , 8, 330		7
745	Plasma Electrolytic Oxidation of High-Strength Aluminium AlloysSubstrate Effect on Wear and Corrosion Performance. <b>2018</b> , 8, 356		17
744	Combined Galvanostatic and Potentiostatic Plasma Electrolytic Oxidation of Titanium in Different Concentrations of H <sub>2</sub> SO <sub>4</sub> . <b>2018</b> , 8, 386		3
743	Study of Plasma Electrolytic Oxidation Coatings on Aluminum Composites. <b>2018</b> , 8, 459		17
742	Solution-Plasma-Mediated Synthesis of Si Nanoparticles for Anode Material of Lithium-Ion Batteries. <b>2018</b> , 8,		8
741	Rotating Bending Fatigue Microscopic Fracture Characteristics and Life Prediction of 7075-T7351 Al Alloy. <b>2018</b> , 8, 210		5

740	Hot corrosion behavior of NbSi <sub>2</sub> /SiO <sub>2</sub> -Nb <sub>2</sub> O <sub>5</sub> multilayer coating on Nb alloy. <b>2018</b> , 767, 7-15		15
739	Plasma Electrolytic Oxidation (PEO) of Metals and Alloys. <b>2018</b> , 423-438		17
738	Simulation assisted investigation of substrate geometry impact on PEO coating formation. <i>Surface and Coatings Technology</i> , <b>2018</b> , 350, 281-297	4-4	5
737	Bioactive and antibacterial boron doped TiO <sub>2</sub> coating obtained by PEO. <b>2018</b> , 458, 49-58		20
736	An investigation of microstructure evolution for plasma electrolytic oxidation (PEO) coated Al in an alkaline silicate electrolyte. <i>Surface and Coatings Technology</i> , <b>2018</b> , 351, 136-152	4-4	22
735	Applying high voltage cathodic pulse with various pulse durations on aluminium via micro-arc oxidation (MAO). <i>Surface and Coatings Technology</i> , <b>2018</b> , 347, 278-285	4-4	13
734	Fabrication, characterization and in vitro properties of silver-incorporated TiO <sub>2</sub> coatings on titanium by thermal evaporation and micro-arc oxidation. <i>Surface and Coatings Technology</i> , <b>2018</b> , 352, 600-608	4-4	22
733	Enhanced Wear Performance of Hybrid Epoxy-Ceramic Coatings on Magnesium Substrates. <b>2018</b> , 10, 30741-30751		13
732	Photoelectrochemical Properties of Oxide Systems Formed by Plasma Electrolytic Oxidation. <b>2018</b> , 88, 1318-1324		1
731	Electrodeposition of Calcium Phosphates, Oxides, and Molecules to Achieve Biocompatibility of Metals. <b>2018</b> , 129-140		
730	Fretting wear behavior of duplex PEO/chameleon coating on Al alloy. <i>Surface and Coatings Technology</i> , <b>2018</b> , 352, 238-246	4-4	26
729	Colored Titanium Oxides: From Jewelry to Biomedical Applications. <b>2018</b> , 99-107		1
728	Challenges of In-Situ Thermal Characterization of Thin-Film Isolation Layers for Printed Electronics. <b>2018</b> ,		2
727	Plasma electrolytic oxidation of monocrystalline silicon using silicate electrolyte containing boric acid. <b>2018</b> , 462, 913-922		22
726	Electrochemically-induced TiO <sub>2</sub> incorporation for enhancing corrosion and tribocorrosion resistance of PEO coating on 7075 Al alloy. <b>2018</b> , 143, 314-328		27
725	Enhanced Osseointegration of Hierarchically Structured Ti Implant with Electrically Bioactive SnO-TiO Bilayered Surface. <b>2018</b> , 10, 30191-30200		8
724	Nanostructured commercially pure titanium for development of miniaturized biomedical implants. <b>2018</b> , 393-417		8
723	Corrosion protection properties of inhibitor containing hybrid PEO-epoxy coating on magnesium. <b>2018</b> , 140, 99-110		62

722	Compositions of Composite Polymer-Oxide Coatings on Aluminum from Pyrolytic Gas Chromatography Mass-Spectrometry Data. <b>2018</b> , 54, 442-447		1
721	Corrosion resistance of Al <sub>2</sub> O <sub>3</sub> -Y <sub>2</sub> O <sub>3</sub> -SiC coating on depleted uranium prepared by cathode plasma electrolytic deposition. <b>2019</b> , 102, 1362-1372		10
720	Improved Corrosion Resistance of Aluminum in 0.5 M HCl Solution using Plasma Electrolytic Oxidation. <b>2019</b> , 233, 609-625		1
719	Anodic plasma electrolytic nitrocarburising of Ti6Al4 V alloy (SMT31). <b>2019</b> , 35, 199-204		4
718	Controlled Fabrication of Nanoporous Anodic Titania Films on Ti-6Al-4V Alloy for Enhanced Self-Lubricating Properties by Combining Spark Anodization and Electropulse-Assisted Ultrasonic Rolling. <b>2019</b> , 28, 5266-5276		
717	Superconducting properties of PEO coatings containing MgB <sub>2</sub> on niobium. <b>2019</b> , 49, 979-989		2
716	Obtaining and characterization of PEO layers prepared on CP-Ti in sodium dihydrogen phosphate dihydrate acidic electrolyte solution. <i>Surface and Coatings Technology</i> , <b>2019</b> , 375, 621-636	4-4	11
715	Effect of plasma electrolytic oxidation process on surface characteristics and tribological behavior. <i>Surface and Coatings Technology</i> , <b>2019</b> , 375, 824-832	4-4	6
714	Faradaic Processes at the Interaction of Low-Temperature Plasma with Water and Aqueous Solutions. <b>2019</b> , 55, 280-285		
713	Facile One-Step Fabrication of Multilayer Nanocomposite Coating for Radiative Heat Dissipation. <b>2019</b> , 1, 1527-1537		8
712	Growth of plasma electrolytic oxidation coatings on Nb and corresponding corrosion resistance. <b>2019</b> , 491, 526-534		14
711	Study of duty cycle influence on the band gap energy of TiO <sub>2</sub> /P coatings obtained by PEO process. <i>Surface and Coatings Technology</i> , <b>2019</b> , 375, 221-228	4-4	7
710	Surface and in vitro properties of Ag-deposited antibacterial and bioactive coatings on AZ31 Mg alloy. <i>Surface and Coatings Technology</i> , <b>2019</b> , 375, 46-53	4-4	18
709	Improvement of corrosion resistance of Zn-Ni alloy coatings by anodizing in selected alcoholic solutions. <b>2019</b> , 158, 108107		9
708	Incorporation of Ca ions into anodic oxide coatings on the Ti-13Nb-13Zr alloy by plasma electrolytic oxidation. <b>2019</b> , 104, 109957		11
707	Robust Super-Hydrophobic Coating Prepared by Electrochemical Surface Engineering for Corrosion Protection. <b>2019</b> , 9, 452		26
706	Degradation of emerging organic pollutants in wastewater effluents by electrochemical photocatalysis on nanostructured TiO meshes. <b>2019</b> , 164, 114920		53
705	Production of N-doped anatase TiO <sub>2</sub> on TiN-coated Ti substrates by plasma electrolytic oxidation for visible-light photocatalysts. <b>2019</b> , 45, 22506-22512		7



704	Understanding the chemical reactions in cathodic plasma electrolysis. <b>2019</b> , 28, 085016		8
703	Developing Nanostructured Metals for Manufacturing of Medical Implants with Improved Design and Biofunctionality. <b>2019</b> , 60, 1356-1366		17
702	Sequential run of the PEO process with various pulsed bipolar current waveforms. <i>Surface and Coatings Technology</i> , <b>2019</b> , 374, 713-724	4-4	14
701	Degradation Behaviour of Mg <sub>0.6</sub> Ca and Mg <sub>0.6</sub> Ca <sub>2</sub> Ag Alloys with Bioactive Plasma Electrolytic Oxidation Coatings. <b>2019</b> , 9, 383		6
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699	Corrosion behavior of ZnO-reinforced coating on aluminum alloy prepared by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2019</b> , 374, 1015-1023	4-4	12
698	Preparation and formation mechanism of copper incorporated micro-arc oxidation coatings developed on Ti-6Al-4V alloys. <i>Surface and Coatings Technology</i> , <b>2019</b> , 375, 74-85	4-4	19
697	One-Step Synthesis of Antibacterial Coatings by Plasma Electrolytic Oxidation of Aluminum. <b>2019</b> , 21, 1900119		10
696	Preparation of silicon-modified gamma alumina coating through cathodic plasma electrolytic deposition. <b>2019</b> , 45, 19345-19350		2
695	Formation of a metastable nanostructured mullite during Plasma Electrolytic Oxidation of aluminium in soft regime condition. <b>2019</b> , 180, 107977		20
694	The plasma electrolytic oxidation (PEO) coatings to enhance in-vitro corrosion resistance of Ti <sub>2</sub> 9Nb <sub>1</sub> 3Ta <sub>1</sub> .6Zr alloys: The combined effect of duty cycle and the deposition frequency. <i>Surface and Coatings Technology</i> , <b>2019</b> , 374, 345-354	4-4	24
693	Mechanism of residual stress and surface roughness of substrate on fatigue behavior of micro-arc oxidation coated AA7075-T6 alloy. <i>Surface and Coatings Technology</i> , <b>2019</b> , 380, 125014	4-4	6
692	Cutting edge preparation of cutting tools using plasma discharges in electrolyte. <b>2019</b> , 46, 234-240		9
691	Strategies for corrosion protection of non-ferrous metals and alloys through surface engineering. <b>2019</b> , 15, 145-154		3
690	Effect of rare earth elements on plasma electrolytic carbonitriding of Ti <sub>6</sub> Al <sub>4</sub> V alloy. <b>2019</b> , 35, 2275-2283		1
689	The Cnfluence of Chemical Composition of Aluminum Alloys on the Quality of Oxide Layers Formed by Microarc Oxidation. <b>2019</b> , 11, 89-94		3
688	The Influence of Microstructure of Al-Si Alloy and Microarc Oxidation Modes on Corrosion Resistance of the Formed Coatings. <b>2019</b> , 11, 181-186		1
687	Development of a solar reflector coating on AA6061 alloy by plasma electrolytic oxidation. <b>2019</b> , 49, 1239-1254		4

686	In situ spectroelectrochemical ellipsometry using super continuum white laser: Study of the anodization of magnesium alloy. <b>2019</b> , 37, 062911		1
685	Effect of ZrO <sub>2</sub> nanoparticle coating on pure zirconium by PEO-EPD method. <b>2019</b> ,		3
684	Investigation of copper-doped aluminum composites with ceramic-like oxide coatings corrosion resistance. <b>2019</b> , 1281, 012067		
683	Plasma Electrolytic Formation of WO <sub>3</sub> -CuO or WO <sub>3</sub> -CuWO <sub>4</sub> Oxide Layers on Titanium. <b>2019</b> , 806, 51-56		3
682	Wear Resistant Coatings with a High Friction Coefficient Produced by Plasma Electrolytic Oxidation of Al Alloys in Electrolytes with Basalt Mineral Powder Additions. <b>2019</b> , 12,		8
681	Formation mechanism of oxide layer on AZ31 Mg alloy subjected to micro-arc oxidation considering surface roughness. <b>2019</b> , 497, 143772		26
680	Investigation on entrance mechanism of calcium and magnesium into micro-arc oxidation coatings developed on Ti-6Al-4V alloys. <i>Surface and Coatings Technology</i> , <b>2019</b> , 378, 124951	4-4	9
679	Environment-friendly aqueous PTFE based bonded solid lubricating coatings: Mechanical and tribological properties under diversified environments. <b>2019</b> , 137, 104904		3
678	In-situ SEM analysis of brittle plasma electrolytic oxidation coating bonded to plastic aluminum substrate: Microstructure and fracture behaviors. <b>2019</b> , 156, 109851		9
677	An investigation of plasma electrolytic oxidation coatings on crevice surface of AZ31 magnesium alloy. <b>2019</b> , 811, 152010		8
676	Direct preparation of Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> hollow microspheres using cathode plasma electrolytic deposition. <b>2019</b> , 45, 24919-24922		2
675	The effects of applied voltage on surface texturing during cathodic plasma electrolysis process. <b>2019</b> , 9, 095029		1
674	Effect of Surface Properties on Corrosion Resistance of ZK60 Mg Alloy Microarc Oxidation Coating. <b>2019</b> , 47, 1172-1180		6
673	Ce-, Zr-containing oxide layers formed by plasma electrolytic oxidation on titanium as catalysts for oxidative desulfurization. <i>Surface and Coatings Technology</i> , <b>2019</b> , 362, 132-140	4-4	13
672	Ceria-embedded MAO process as pretreatment for corrosion protection of epoxy films applied on AZ31-magnesium alloy. <b>2019</b> , 785, 669-683		29
671	Influence of glycerol on plasma electrolytic oxidation coatings evolution and on corrosion behaviour of coated AM50 magnesium alloy. <b>2019</b> , 157, 220-246		16
670	Investigation of the plasma electrolytic oxidation mechanism of titanium. <b>2019</b> , 488, 370-382		44
669	Complex influence of temperature on oxalic acid anodizing of aluminium. <b>2019</b> , 319, 88-94		20

668	The Effect of Acetonitrile Additives to Tetraborate Electrolyte on the Composition and Morphology of PEO Layers on Titanium. <b>2019</b> , 55, 473-480		1
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666	Micro-arc oxidation of bioceramic coatings containing eggshell-derived hydroxyapatite on titanium substrate. <b>2019</b> , 45, 18371-18381		22
665	Cathode plasma electrolysis in diluted potassium hydroxide solutions: Particles formation and energetic estimation. <b>2019</b> , 844, 155-160		2
664	Morphological evolution and burning behavior of oxide coating fabricated on aluminum immersed in etidronic acid at high current density. <i>Surface and Coatings Technology</i> , <b>2019</b> , 374, 83-94	4-4	9
663	Effect of duty cycle and treatment time on electrolytic plasma oxidation of commercially pure Al samples. <b>2019</b> , 8, 2141-2147		8
662	The influence of metallurgical state of substrate on the efficiency of plasma electrolytic oxidation (PEO) process on magnesium alloy. <b>2019</b> , 178, 107859		18
661	Role of cathodic current in plasma electrolytic oxidation of Al: A quantitative approach to in-situ evaluation of cathodically induced effects. <b>2019</b> , 317, 221-231		24
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658	Anodizing Behavior of Copper by Plasma Electrolysis in Deionized Water as a Sole Electrolyte. <b>2019</b> , 166, C3200-C3206		2
657	Highly corrosion protection properties of plasma electrolytic oxidized titanium using rGO nanosheets. <b>2019</b> , 486, 153-165		40
656	Charge transfer mechanisms underlying Contact Glow Discharge Electrolysis. <b>2019</b> , 312, 441-456		23
655	Microstructure and corrosion resistance of the PEO coating on extruded Al6Cu alloy. <i>Surface and Coatings Technology</i> , <b>2019</b> , 369, 116-126	4-4	10
654	Effect of electrolyte composition on morphology and corrosion resistance of plasma electrolytic oxidation coatings on aluminized steel. <i>Surface and Coatings Technology</i> , <b>2019</b> , 372, 239-251	4-4	21
653	Influence of micro arc oxidation coating thickness and prior shot peening on the fatigue behavior of 6061-T6 Al alloy. <b>2019</b> , 126, 297-305		12
652	Characterization and investigation of in vitro properties of antibacterial copper deposited on bioactive ZrO2 coatings on zirconium. <b>2019</b> , 681, 69-77		16
651	Plasma electrolytic oxidation of Mg/Ti couple metals fabricated by Friction stir welding: characterization and corrosion studies. <b>2019</b> , 6, 086596		1

650	Effect of frequency on black coating formation on AZ31 magnesium alloy by plasma electrolytic oxidation in aluminate-tungstate electrolyte. <i>Surface and Coatings Technology</i> , <b>2019</b> , 372, 34-44	4-4	17
649	The Electrochemical Corrosion Behavior of Plasma Electrolytic Oxidation Coatings Fabricated on Aluminum in Silicate Electrolyte. <b>2019</b> , 28, 3652-3660		6
648	In Situ Synthesis of Pt/TiO Nanosheets on Flexible Ti Mesh for Efficient and Cyclic Phenol Removal. <b>2019</b> , 58, 7303-7309		11
647	Effects of electrolytic jet plasma oxidation (EJPO) coatings on thermal behavior of engine cylinders. <b>2019</b> , 55, 2503-2515		5
646	Characteristics and high temperature oxidation behavior of Ni-Cr-Y2O3 nanocomposite coating prepared by cathode plasma electrolytic deposition. <b>2019</b> , 793, 170-178		4
645	Plasma Electrolytic Boriding of Steels and Titanium Alloys. <b>2019</b> , 55, 1-30		10
644	Plasma electrolytic liquefaction of sawdust. <b>2019</b> , 28, 048803		5
643	Formation and wear performance of diamond-like carbon films on 316L stainless steel prepared by cathodic plasma electrolytic deposition. <b>2019</b> , 95, 135-140		5
642	Direct preparation of nanostructured Ni coatings on aluminium alloy 6061 by cathode plasma electrolytic deposition. <i>Surface and Coatings Technology</i> , <b>2019</b> , 370, 130-135	4-4	3
641	Growth mechanism of micro-arc oxidation film on 6061 aluminum alloy. <b>2019</b> , 6, 066404		3
640	Use of waste foundry sand (WFS) to produce protective coatings on aluminum alloy by plasma electrolytic oxidation. <b>2019</b> , 222, 584-592		8
639	Thermostimulated luminescence of plasma electrolytic oxidation coatings on 6082 aluminium surface. <b>2019</b> , 124, 29-34		7
638	Influence of temperature on tribological properties of microarc oxidation coating on 7075 aluminium alloy at 25 °C B00 °C. <b>2019</b> , 45, 12312-12318		21
637	Aluminium anodizing in selenic acid: electrochemical behaviour, porous structure, and ordering regimes. <b>2019</b> , 307, 13-19		22
636	A 3D Spark Model to Evaluate MRR in ECDM. <b>2019</b> , 18, 435-446		5
635	Formation of a Superconducting MgB2-Containing Coating on Niobium by Plasma Electrolytic Oxidation. <b>2019</b> , 8, N39-N41		4
634	Effects of Si phase refinement on the plasma electrolytic oxidation of eutectic Al-Si alloy. <b>2019</b> , 790, 650-656		22
633	Growth Kinetics of Microarc Oxidation TiO2 Ceramic Film on Ti6Al4V Alloy in Tetraborate Electrolyte. <b>2019</b> , 50, 2507-2518		5

632	Smart Arbitrary Waveform Generator with Digital Feedback Control for High-Voltage Electrochemistry. <b>2019</b> , 3, 13		5
631	In-situ fabrication of Ce-rich CeO <sub>2</sub> nanocatalyst for efficient CO oxidation. <b>2019</b> , 792, 644-651		16
630	In-situ fabrication of noble metal modified (Ce, Zr)O <sub>2</sub> monolithic catalysts for CO oxidation. <b>2019</b> , 483, 721-729		21
629	Effect of current density on micro-arc oxidation of Q235 steel and corrosion resistance in liquid Pb-Bi. <b>2019</b> , 70, 1171-1178		1
628	Fabrication and optical emission spectroscopy of enhanced corrosion-resistant CPEO films on Q235 low carbon steel. <i>Surface and Coatings Technology</i> , <b>2019</b> , 363, 411-418	4-4	12
627	Rapid construction of TiO <sub>2</sub> /SiO <sub>2</sub> composite film on Ti foil as lithium-ion battery anode by plasma discharge in solution. <b>2019</b> , 114, 043903		7
626	Achieving non-adsorptive anodized film on Al-2024 alloy: Surface and electrochemical corrosion investigation. <b>2019</b> , 15, 78-88		14
625	Temperature measurement and OES analysis during CPEO on stainless steel. <i>Surface and Coatings Technology</i> , <b>2019</b> , 363, 314-321	4-4	0
624	A New Eco-friendly Anticorrosion Strategy for Ferrous Metals: Plasma Electrolytic Aluminating. <b>2019</b> , 7, 5524-5531		8
623	DC plasma electrolytic oxidation treatment of gum metal for dental implants. <b>2019</b> , 302, 10-20		14
622	Formation of bioactive hydroxyapatite-containing titania coatings on CP-Ti 4+ alloy generated by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2019</b> , 363, 66-74	4-4	16
621	The effect of graphite particle size on the corrosion and wear behaviour of the PEO-EPD coating fabricated on commercially pure zirconium. <i>Surface and Coatings Technology</i> , <b>2019</b> , 363, 301-313	4-4	31
620	Structure and catalytic performance of Zn-doped TiO <sub>2</sub> film. <b>2019</b> , 48, 508-514		6
619	Influence of electrolyte-plasma surface hardening on the structure and properties of steel 40KhN. <b>2019</b> , 1393, 012119		2
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595	Superhydrophobic double-layer coating for efficient heat dissipation and corrosion protection. <b>2019</b> , 362, 638-649		35
594	Porous Ni <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> thin film as a binder-free and low-cost anode of a high-capacity lithium-ion battery. <b>2019</b> , 835, 81-85		6
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592	Effect of Microarc Oxidation-Treated Ti6Al4V Scaffold Following Low-Intensity Pulsed Ultrasound Stimulation on Osteogenic Cells in Vitro. <b>2019</b> , 5, 572-581		9
591	Fundamental aspects and recent developments in electropolishing. <b>2019</b> , 139, 1-23		72
590	Enhanced corrosion resistance and in-vitro biodegradation of plasma electrolytic oxidation coatings prepared on AZ91 Mg alloy using ZnO nanoparticles-incorporated electrolyte. <i>Surface and Coatings Technology</i> , <b>2019</b> , 360, 153-171	4.4	59
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587	Review of electrochemical properties of hybrid coating systems on Mg with plasma electrolytic oxidation process as pretreatment. <b>2019</b> , 14, 262-295		57
586	Tailoring surface properties from nanotubes and anodic layers of titanium for biomedical applications. <b>2019</b> , 179-199		2
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583	High voltage resistance ceramic coating fabricated on titanium alloy for insulation shielding application. <b>2019</b> , 45, 1909-1917		8
582	The wear characteristics of CeO <sub>2</sub> containing nanocomposite coating made by aluminate-based PEO on AM 50 magnesium alloy. <i>Surface and Coatings Technology</i> , <b>2019</b> , 357, 626-637	4.4	32
581	Cathode plasma electrolytic deposition of Al <sub>2</sub> O <sub>3</sub> coatings doped with SiC particles. <b>2019</b> , 45, 4747-4755		2
580	Effect of chloride and sulphate anions as minor impurities in silicate alkaline electrolyte on plasma electrolytic oxidation of aluminium alloys. <b>2019</b> , 6, 015009		1
579	Microstructure, properties and formation mechanism of SiO <sub>2</sub> /SiC nano-coating onto carbon fiber by non-electrode plasma electrolysis. <b>2019</b> , 773, 346-351		12

578	Formation of anatase TiO <sub>2</sub> coatings by plasma electrolytic oxidation for photocatalytic applications. <i>Surface and Coatings Technology</i> , <b>2019</b> , 357, 28-35	4-4	11
577	Plasma electrolytic oxidation coatings with fungicidal properties** Note: The paper is part of SMT31 congress and the scientific committee of SMT31 has evaluated the paper and found it suitable for submission in a partner journal.View all notes. <b>2019</b> , 35, 325-333		21
576	Electro-chemical spark machiningBased hybrid machining processes: Research trends and opportunities. <b>2019</b> , 233, 1037-1061		19
575	Control of surface plasma discharge considering the crystalline size of Al substrate. <b>2019</b> , 477, 60-70		12
574	Plasma electrolytic titanium oxide applied for pathogenic bacteria inactivation. <b>2020</b> , 41, 141-152		1
573	Resolvent Decomposition Theorems and Their Application in Denumerable Markov Processes with Instantaneous States. <b>2020</b> , 33, 2089-2118		
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571	Microarc oxidation coatings containing TiC and NbC on magnesium alloy. <b>2020</b> , 36, 1171-1179		8
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567	The feasibility of eco-friendly electrical discharge machining for surface modification of Ti: A comparison study in surface properties, bioactivity, and cytocompatibility. <b>2020</b> , 108, 110192		12
566	Physical Features of Anodic Plasma Electrolytic Carburising of Low-Carbon Steels. <b>2020</b> , 40, 549-570		6
565	Preparation of Pd-doped Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> thermal barrier coatings using cathode plasma electrolytic deposition. <b>2020</b> , 46, 7019-7024		3
564	Alumina-Based Coating with Dimples as Enabling Sustainable Technology To Reduce Wear and Emission of the Brake System. <b>2020</b> , 8, 893-899		7
563	Corrosion resistance and biocompatibility of calcium-containing coatings developed in near-neutral solutions containing phytic acid and phosphoric acid on AZ31B alloy. <b>2020</b> , 823, 153721		30
562	PEO coating with Ce-sealing for corrosion protection of LPSO Mg <sub>92</sub> Zn alloy. <i>Surface and Coatings Technology</i> , <b>2020</b> , 383, 125253	4-4	12
561	Investigation on corrosion and wear resistance of MgO-Al <sub>2</sub> O <sub>3</sub> composite coating prepared by plasma electrolytic oxidation. <b>2020</b> , 17, 1017-1025		6



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551	Triggering the hydroxyapatite deposition on the surface of PEO-coated Ti <sub>6</sub> Al <sub>4</sub> V alloy via the dual incorporation of Zn and Mg ions. <b>2020</b> , 819, 153038			36
550	Influence of electrolyte components on the microstructure and growth mechanism of plasma electrolytic oxidation coatings on 1060 aluminum alloy. <i>Surface and Coatings Technology</i> , <b>2020</b> , 381, 125214	4-4		23
549	Enhanced dielectric performance of Ba <sub>x</sub> Sr <sub>(1-x)</sub> TiO <sub>3</sub> films prepared by the direct current micro-arc oxidation in the presence of ethylenediamine tetraacetic acid. <b>2020</b> , 694, 137579			3
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547	Fabrication of superhydrophobic coating on PEO treated zirconium samples and its corrosion resistance. <b>2020</b> , 27, 2056-2060			3
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534	Characterization of bioactive ceramic coatings synthesized by plasma electrolyte oxidation on AZ31 magnesium alloy having different Na <sub>2</sub> SiO <sub>3</sub> ·9H <sub>2</sub> O concentrations. <b>2020</b> , 25, 101642	5
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519	Tribological tests of micro-arc oxidation coatings in environmentally safe lubricants. <b>2020</b> , 862, 022066		
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478	Recent advances in hybrid organic-inorganic materials with spatial architecture for state-of-the-art applications. <b>2020</b> , 112, 100663		93
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475	Corrosion performance of plasma electrolytic oxidation grown oxide coating on pure aluminum: effect of borax concentration. <b>2020</b> , 9, 8766-8779		12
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470	Effect of ZrO <sub>2</sub> nanoparticles addition to PEO coatings on Ti6Al4V substrate: Microstructural analysis, corrosion behavior and antibacterial effect of coatings in Hank's physiological solution. <b>2020</b> , 46, 13114-13124		38
469	Tribocorrosion behaviour of bio-functionalized porous Ti surfaces obtained by two-step anodic treatment. <b>2020</b> , 166, 108467		20
468	Production of Ba(Zr,Ti)O <sub>3</sub> coatings on ternary (Ti,Zr)N thin film electrodes by plasma electrolyte oxidation. <i>Surface and Coatings Technology</i> , <b>2020</b> , 385, 125440	4-4	2
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466	Potential and morphological transitions during bipolar plasma electrolytic oxidation of tantalum in silicate electrolyte. <b>2020</b> , 46, 13385-13396		15
465	Formation mechanism, degradation behavior, and cytocompatibility of a double-layered structural MAO/rGO-CaP coating on AZ31 Mg. <b>2020</b> , 190, 110901		11
464	Electrochemical response of V <sub>x</sub> O <sub>y</sub> -Al <sub>2</sub> O <sub>3</sub> composite layer with dark-green color achieved by plasma electrolytic oxidation. <b>2020</b> , 827, 154367		9
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462	High-temperature oxidation behaviors of plasma electrolytic oxidation coating on hot-dip aluminized HP40Nb alloy. <i>Surface and Coatings Technology</i> , <b>2020</b> , 384, 125339	4-4	7
461	Fabrication of High Temperature Oxidation Resistance Nanocomposite Coatings on PEO Treated TC21 Alloy. <b>2019</b> , 13,		6
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459	Biocompatible Organic Coatings Based on Bisphosphonic Acid RGD-Derivatives for PEO-Modified Titanium Implants. <b>2020</b> , 25,		9
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457	Ni-Doped Titanium Dioxide Films Obtained by Plasma Electrolytic Oxidation in Refrigerated Electrolytes. <b>2020</b> , 3, 168-181		3
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455	Characterization of ceramic oxide coatings prepared by plasma electrolytic oxidation using pulsed direct current with different duty ratio and frequency. <b>2020</b> , 516, 146049		6
454	Effects of Processing Parameters on the Corrosion Performance of Plasma Electrolytic Oxidation Grown Oxide on Commercially Pure Aluminum. <b>2020</b> , 10, 394		9
453	Fabrication of organic-inorganic hybrid materials on metal surface for optimizing electrochemical performance. <b>2020</b> , 573, 31-44		13

452	Preparation and corrosion resistance of hybrid coatings formed by PEN/C plus PEO on AZ91D magnesium alloys. <i>Surface and Coatings Technology</i> , <b>2020</b> , 390, 125661	4-4	4
451	Duplex surface treatment of metallic alloys combining cold-spray and plasma electrolytic oxidation technologies. <i>Surface and Coatings Technology</i> , <b>2020</b> , 392, 125756	4-4	10
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448	Analyses of hydrogen release on zircaloy anode during plasma electrolytic oxidation. <b>2020</b> , 251, 123054		17
447	The effect of hydroxyapatite nanoparticles on electrochemical and mechanical performance of TiC/N coating fabricated by plasma electrolytic saturation method. <i>Surface and Coatings Technology</i> , <b>2020</b> , 394, 125817	4-4	7
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445	Comparison between Plasma Electrolytic Oxidation Coating and Sandblasted Acid-Etched Surface Treatment: Histometric, Tomographic, and Expression Levels of Osteoclastogenic Factors in Osteoporotic Rats. <b>2020</b> , 13,		5
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443	Wear mechanism evolution on brake discs for reduced wear and particulate emissions. <b>2020</b> , 452-453, 203283		7
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440	Effect of the Composition of Oxide Layers Formed by Plasma Electrolytic Oxidation on the Mechanism of Peroxide Oxidative Desulfurization. <b>2020</b> , 61, 283-290		3
439	Growth characteristics of Ba <sub>x</sub> Sr <sub>(1-x)</sub> TiO <sub>3</sub> thin films produced by micro-arc oxidation. <b>2020</b> , 35, 1703-1714		1
438	Exploiting Direct Current Plasma Electrolytic Oxidation to Boost Photoelectrocatalysis. <b>2020</b> , 10, 325		11
437	Photocatalytic decomposition of methylene blue by Cr/TiO <sub>2</sub> composite coatings. <b>2021</b> , 37, 472-481		2
436	Corrosion behaviour of TiC/N coating prepared by plasma electrolytic saturation on NiTi. <b>2021</b> , 37, 197-205		3
435	Liquefaction of biomass by plasma electrolysis in alkaline condition. <b>2021</b> , 165, 174-181		2

434	Influence of pulse frequency on the morphological and corrosion characteristics of the plasma electrolytic oxidized ZM21 magnesium alloy. <b>2021</b> , 39, 1456-1464		0
433	Investigation of enhanced photocatalytic performance of europium doped TiO <sub>2</sub> film. <b>2021</b> , 36, 552-563		3
432	Corrosion-fatigue behavior of micro-arc oxidation coated 6061-T6 Al alloy. <b>2021</b> , 142, 105965		7
431	Surface characterization and corrosion behavior of calcium phosphate (Ca-P) base composite layer on Mg and its alloys using plasma electrolytic oxidation (PEO): A review. <b>2021</b> , 9, 21-40		26
430	Pretreatment of cutting tools by plasma electrolytic polishing (PEP) for enhanced adhesion of hard coatings. <i>Surface and Coatings Technology</i> , <b>2021</b> , 405, 126504	4-4	7
429	Superior corrosion protection and adhesion strength of epoxy coating applied on AZ31 magnesium alloy pre-treated by PEO/Silane with inorganic and organic corrosion inhibitors. <b>2021</b> , 178, 109065		40
428	The effect of PEO parameters on the properties of biodegradable Mg alloys: a review. <b>2021</b> , 9, 184-198		3
427	Formation of Manganese-Containing PEO Coatings on Aluminum Alloys. <b>2021</b> , 333-359		
426	Hydrothermal synthesis of one-dimensional, rutile TiO <sub>2</sub> nanograss arrays for photoelectrochemical solar cell. <b>2021</b> , 43, 2814-2819		
425	Improving biocompatibility and corrosion resistance of anodized AZ31 Mg alloy by electrospun chitosan/mineralized bone allograft (MBA) nanocoatings. <i>Surface and Coatings Technology</i> , <b>2021</b> , 405, 126627	4-4	6
424	Biotribology and biocorrosion of MWCNTs-reinforced PEO coating on AZ31B Mg alloy. <b>2021</b> , 22, 100850		5
423	Abrasion, sliding wear, corrosion, and cavitation erosion characteristics of a duplex coating formed on AZ31 Mg alloy by sequential application of cold spray and plasma electrolytic oxidation techniques. <b>2021</b> , 26, 101978		5
422	Surface characteristics underpinning fretting wear performance of heavily loaded duplex chameleon/PEO coatings on Al. <b>2021</b> , 154, 106723		7
421	Rapid structural evolution and bone inducing mechanism of the multilayer coating with silicon-doped hydroxyapatite crystals on the microwave water steaming-hydrothermally treated titania coating. <b>2021</b> , 539, 148153		3
420	Magnesium alloys for biomedical application: Advanced corrosion control through surface coating. <i>Surface and Coatings Technology</i> , <b>2021</b> , 405, 126521	4-4	15
419	Recent progress in surface modification of metals coated by plasma electrolytic oxidation: Principle, structure, and performance. <b>2021</b> , 117, 100735		73
418	Effect of treatment time on Corrosion and Tribological behavior of Nitrocarburized coating by Cathodic Plasma Electrolytic Deposition. <b>2021</b> , 57, 121-131		
417	Toward Tailoring the Degradation Rate of Magnesium-Based Biomaterials for Various Medical Applications: Assessing Corrosion, Cytocompatibility and Immunological Effects. <b>2021</b> , 22,		4



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415	Developments in plasma electrolytic oxidation (PEO) coatings for biodegradable magnesium alloys. <b>2021</b> , 46, 1407-1415	4
414	The performance of titanium composite coatings obtained through thermal spraying and microarc oxidation. <b>2021</b> , 30, 2633366X2097468	1
413	Investigation of the Influence of Electrical Modes on the Morphology and Properties of Oxide Coatings on Aluminum Alloy 1163, Obtained by the Microarc Oxidation. <b>2021</b> , 87-95	
412	Investigation of oxidation mechanism of SiC single crystal for plasma electrochemical oxidation.. <b>2021</b> , 11, 27338-27345	3
411	Corrosion Inhibitor-Modified Plasma Electrolytic Oxidation Coatings on 6061 Aluminum Alloy. <b>2021</b> , 14,	2
410	Electrochemical discharge machining: trends and development. <b>2021</b> , 317-338	
409	Effects of processing parameters on the adhesion and corrosion resistance of oxide coatings grown by plasma electrolytic oxidation on AZ31 magnesium alloys. <b>2021</b> , 10, 1355-1371	5
408	Ti-25Nb-25Ta alloy treated by plasma electrolytic oxidation in phosphoric acid for implant applications. <b>2021</b> , 26,	2
407	Corrosion behaviour of PEO coating sealed by water based preservative containing corrosion inhibitors. <b>2021</b> , 55, 752-759	
406	Design and Multidimensional Screening of Flash-PEO Coatings for Mg in Comparison to Commercial Chromium(VI) Conversion Coating. <b>2021</b> , 11, 337	0
405	Excellent plasma electrolytic oxidation coating on AZ61 magnesium alloy under ordinal discharge mode. <b>2021</b> ,	2
404	Investigation of wear behavior of graphite additive composite coatings deposited by micro arc oxidation-hydrothermal treatment on AZ91 Mg alloy. <b>2021</b> , 22, 100894	4
403	Sensitizing effect of Ce <sup>3+</sup> on Tm <sup>3+</sup> blue emission in Al <sub>2</sub> O <sub>3</sub> :Tm <sup>3+</sup> /Ce <sup>3+</sup> coatings formed by plasma electrolytic oxidation. <b>2021</b> , 32, 7841-7847	0
402	Ceramic coating on Ti-6Al-4V by plasma electrolytic oxidation in molten salt: Development and characterization. <i>Surface and Coatings Technology</i> , <b>2021</b> , 408, 126847	4.4 16
401	Corrosion resistance and tribological behavior of ZK30 magnesium alloy coated by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2021</b> , 410, 126983	4.4 7
400	Photoactivity of an anodized biocompatible TiNbSn alloy prepared in sodium tartrate/hydrogen peroxide aqueous solution. <b>2021</b> , 543, 148829	6
399	Characteristics of the hierarchical porous TiO <sub>2</sub> layer synthesized on Ti via plasma electrolytic oxidation: Role of the applied voltage. <b>2021</b> , 47, 8279-8289	4

398	Development of vanadium impregnated flat absorber composite PEO coating on AA6061 alloy. <i>Surface and Coatings Technology</i> , <b>2021</b> , 410, 126891	4-4	3
397	Effects of pre-anodizing and phosphates on energy consumption and corrosion performance of PEO coatings on AA6082. <i>Surface and Coatings Technology</i> , <b>2021</b> , 409, 126892	4-4	9
396	Structure and Thermophysical Properties of Oxide Layer Formed by Microarc Oxidation on AK12D Al <sub>75</sub> Si Alloy. <b>2021</b> , 62, 701-708		2
395	Comparison of Biocompatible Coatings Produced by Plasma Electrolytic Oxidation on cp-Ti and Ti-Zr-Nb Superelastic Alloy. <b>2021</b> , 11, 401		2
394	Inhibitory effects of hematite nanoparticles on corrosion protection function of TiO <sub>2</sub> coating prepared by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2021</b> , 409, 126938	4-4	5
393	Flash-PEO as an alternative to chromate conversion coatings for corrosion protection of Mg alloy. <b>2021</b> , 180, 109189		18
392	Change of 0.34Cr-1Ni-Mo-Fe Steel Dislocation Structure in Plasma Electrolyte Hardening. <b>2021</b> , 14,		0
391	Is an anodizing coating associated to the photobiomodulation able to optimize bone healing in ovariectomized animal model?. <b>2021</b> , 217, 112167		0
390	Effect of NaOH concentration on microstructure and corrosion resistance of MAO coating on cast Al <sub>70</sub> Si alloy. <b>2021</b> , 31, 913-924		3
389	Characterization of Al <sub>2</sub> W oxide coatings on aluminum formed by pulsed direct current plasma electrolytic oxidation at ultra-low duty cycles. <i>Surface and Coatings Technology</i> , <b>2021</b> , 411, 126982	4-4	4
388	Principle, process, and application of metal plasma electrolytic polishing: a review. <b>2021</b> , 114, 1893-1912		6
387	A review of process characteristics of plasma electrolytic oxidation of aluminium alloy. <b>2021</b> , 1854, 012030		1
386	Antibacterial Titanium Implants Biofunctionalized by Plasma Electrolytic Oxidation with Silver, Zinc, and Copper: A Systematic Review. <b>2021</b> , 22,		15
385	SLIDING WEAR BEHAVIOR OF ZrO <sub>2</sub> -CONTAINING PEO COATINGS FORMED ON ZL101A ALUMINUM ALLOY. <b>2021</b> , 28, 2150068		
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382	Formation of corundum-rich alumina coatings on low-carbon steel by plasma electrolytic oxidation. <b>2021</b> , 1147, 012007		2
381	Investigation of Stray Radiation Suppression in Infrared Imaging System Using a Novel Broadband and High-Absorption Ceramic Coating. <b>2021</b> , 11, 4952		3

380	Preparation and Characterization of a Silane Sealed PEO Coating on Aluminum Alloy. <b>2021</b> , 11, 549		1
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377	Crystalline and amorphous PEO based ceramic coatings on AA6061: Nanoindentation and corrosion studies. <b>2021</b> , 47, 14707-14716		5
376	INVESTIGATION OF THE EFFECTS OF DIFFERENT RETROGRESSION AND RE-AGING PARAMETERS APPLIED TO THE 7075 ALLOY ON THE MICRO-ARC OXIDATION PROCESS. <b>2021</b> , 28, 2150078		
375	Plasma Electrolytic Oxidation (PEO) Process-Processing, Properties, and Applications. <b>2021</b> , 11,		31
374	Fabrication of low-cost Ni-P composite coating on Mg alloys with a significant improvement of corrosion resistance: Critical role of mitigating the galvanic contact between the substrate and the coating. <b>2021</b> , 183, 109329		6
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372	Possibilities of combining plasma electrolytic nitriding and polishing of steel by varying the operating voltage. <b>2021</b> , 1954, 012025		
371	A study on corrosion behavior of micro-arc oxidation coatings doped with 2-aminobenzimidazole loaded halloysite nanotubes on AZ31 magnesium alloys. <i>Surface and Coatings Technology</i> , <b>2021</b> , 416, 127116	4-4	7
370	Corrosion-Fatigue Performance of Hard Anodized and MAO-Coated 2024-T3 and 7075-T6 Aerospace Al Alloys. <b>2021</b> , 74, 2231-2243		1
369	Investigation of anti-corrosion property of hybrid coatings fabricated by combining PEC with MAO on pure magnesium. <b>2021</b> ,		0
368	Dry Sliding Behavior of an Aluminum Alloy after Innovative Hard Anodizing Treatments. <b>2021</b> , 14,		1
367	Effects of current output modes on the growth kinetics and corrosion resistance of micro-arc oxidation coatings on magnesium alloy. <b>2021</b> , 8, 066407		2
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363	Fabrication of a Protective Hybrid Coating Composed of TiO <sub>2</sub> , MoO <sub>2</sub> , and SiO <sub>2</sub> by Plasma Electrolytic Oxidation of Titanium. <b>2021</b> , 11, 1182		9

362	Evolution of anodised titanium for implant applications. <b>2021</b> , 7, e07408		10
361	. <b>2021</b> , 15, 877-884		1
360	Improvement of wear and corrosion protection of PEO on AA2024 via sol-gel sealing. <i>Surface and Coatings Technology</i> , <b>2021</b> , 417, 127195	4-4	8
359	Effect of treatment time on a PEO-coated AZ31 magnesium alloy.		0
358	Corrosion Resistance of Epoxy Coatings Modified by Bis-Silane Prepolymer on Aluminum Alloy. <b>2021</b> , 11, 842		3
357	In vitro biological and antimicrobial properties of chitosan-based bioceramic coatings on zirconium. <b>2021</b> , 11, 15104		4
356	Microstructure and properties of plasma electrolytic oxidation coating on 55% SiCp/Al matrix composites. <i>Surface and Coatings Technology</i> , <b>2021</b> , 420, 127321	4-4	0
355	Growth mechanisms for initial stages of plasma electrolytic oxidation coating on Al. <b>2021</b> , 25, 101186		3
354	Electrochemically Stable and Catalytically Active Coatings Based on Self-Assembly of Protein-Inorganic Nanoflowers on Plasma-Electrolyzed Platform. <b>2021</b> , 13, 39854-39867		1
353	Influence of micro arc oxidation on high temperature oxidation resistance of AlTiCrVZr refractory high entropy alloy. <b>2021</b> , 98, 105562		3
352	Simulation of the electromagnetic characters of a Faraday-shielded antenna in a helicon wave plasma source. <b>2021</b> , 61, e202100055		
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348	Development of anti-corrosive coating on AZ31 Mg alloy subjected to plasma electrolytic oxidation at sub-zero temperature. <b>2021</b> ,		3
347	Toward rational design of ceramic coatings generated on valve metals by plasma electrolytic oxidation: The role of cathodic polarisation. <b>2021</b> ,		4
346	Incorporation of P <sup>5+</sup> and P <sup>3+</sup> from phosphate precursor in TiO <sub>2</sub> :P coatings produced by PEO: XPS and DFT study. <i>Surface and Coatings Technology</i> , <b>2021</b> , 421, 127437	4-4	7
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344	New approach to formation of coatings on MgMnZn alloy using a combination of plasma treatment and spraying of fluoropolymers. <b>2021</b> ,		3
343	Incorporation of LDH nanocontainers into plasma electrolytic oxidation coatings on Mg alloy. <b>2021</b> ,		4
342	Structural Evolution of Pt, Au and Cu Anodes by Electrolysis up to Contact Glow Discharge Electrolysis in Alkaline Electrolytes*. <b>2021</b> , 22, 2429-2441		2
341	Review of plasma electrolytic oxidation of titanium substrates: Mechanism, properties, applications and limitations. <b>2021</b> , 5, 100121		26
340	Hybrid functionalized coatings on Metallic Biomaterials for Tissue Engineering. <i>Surface and Coatings Technology</i> , <b>2021</b> , 422, 127508	4-4	6
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338	Difference in formation of plasma electrolytic oxidation coatings on MgLi alloy in comparison with pure Mg. <b>2021</b> , 9, 1725-1740		6
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330	Characteristics of magnesium phosphate coatings formed on AZ31 Mg alloy by plasma electrolytic oxidation with improved current efficiency. <b>2021</b> , 272, 115354		2
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327	Zeolite-containing photocatalysts immobilized on aluminum support by plasma electrolytic oxidation. <b>2021</b> , 26, 101307		3

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325	Hexagonal boron nitride and alumina dual-layer coating for space solar thermal shielding. <b>2021</b> , 421, 127802	2
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318	Effect of copper additive on microstructure and anti-corrosion performance of black MAO films grown on AZ91 alloy and coloration mechanism. <b>2022</b> , 889, 161501	2
317	Anodizing of AS12 alloy in alkaline media. <b>2022</b> , 572, 151436	1
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303	Effects of CH <sub>3</sub> OH Addition on Plasma Electrolytic Oxidation of AZ31 Magnesium Alloys. <b>2015</b> , 17, 761-766		7
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