

Richard DREVET

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Electrodeposition of Calcium Phosphate Coatings on Metallic Substrates for Bone Implant Applications: A Review. <i>Coatings</i> , 2022, 12, 539.	2.6	22
2	Advanced Biomaterials and Coatings. <i>Coatings</i> , 2022, 12, 965.	2.6	3
3	Oxidation Behavior of the Skutterudite Material Yb _{0.2} Co ₄ Sb ₁₂ . <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021, 52, 3996-4002.	2.2	2
4	Effect of surface mechanical attrition treatment on the microstructure of cobalt-chromium-molybdenum biomedical alloy. <i>Microscopy Research and Technique</i> , 2021, 84, 238-245.	2.2	6
5	Aluminizing by pack cementation to protect CoSb ₃ from oxidation. <i>Materials Chemistry and Physics</i> , 2020, 241, 122417.	4.0	4
6	Oxidation Behavior of Microstructured and Nanostructured Co _{0.94} Ni _{0.06} Sb ₃ Thermoelectric Materials. <i>Oxidation of Metals</i> , 2020, 93, 559-572.	2.1	3
7	Pack cementation to prevent the oxidation of CoSb ₃ in air at 800ÅK. <i>Surface and Coatings Technology</i> , 2020, 385, 125401.	4.8	5
8	Electrodeposition of biphasic calcium phosphate coatings with improved dissolution properties. <i>Materials Chemistry and Physics</i> , 2019, 236, 121797.	4.0	11
9	Electrodeposition of cobalt-substituted calcium phosphate coatings on Ti ₂₂ Nb ₆ Zr alloy for bone implant applications. <i>Journal of Alloys and Compounds</i> , 2019, 793, 576-582.	5.5	20
10	Oxidation Behavior of the Skutterudite Material Ce _{0.75} Fe ₃ CoSb ₁₂ . <i>Oxidation of Metals</i> , 2019, 91, 767-779.	2.1	11
11	Influence of the surface mechanical attrition treatment (SMAT) on the corrosion behavior of Co ₂₈ Cr ₆ Mo alloy in Ringer's solution. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 1091-1098.	2.5	16
12	Martensitic Transformations and Mechanical and Corrosion Properties of Fe-Mn-Si Alloys for Biodegradable Medical Implants. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 1006-1013.	2.2	39
13	Tunable Corrosion Behavior of Calcium Phosphate Coated Fe-Mn-Si Alloys for Bone Implant Applications. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 6553-6560.	2.2	11
14	Electrochemical behavior of CoSb ₃ in sulfuric and oxalic acids over the potential range 0 to 40ÅV. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 2821-2828.	2.5	3
15	Structural and morphological study of electrodeposited calcium phosphate materials submitted to thermal treatment. <i>Materials Letters</i> , 2017, 209, 27-31.	2.6	8
16	Harnessing Wharton's jelly stem cell differentiation into bone-like nodule on calcium phosphate substrate without osteoinductive factors. <i>Acta Biomaterialia</i> , 2017, 49, 575-589.	8.3	21
17	XPS-nanocharacterization of organic layers electrochemically grafted on the surface of SnO ₂ thin films to produce a new hybrid material coating. <i>Applied Surface Science</i> , 2016, 384, 442-448.	6.1	8
18	Electrophoretic deposition (EPD) of nano-hydroxyapatite coatings with improved mechanical properties on prosthetic Ti6Al4V substrates. <i>Surface and Coatings Technology</i> , 2016, 301, 94-99.	4.8	76

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19	A New Process for the Thermal Treatment of Calcium Phosphate Coatings Electrodeposited on Ti6Al4V Substrate. <i>Advanced Engineering Materials</i> , 2015, 17, 1608-1615.	3.5	14
20	Electrophoretic Deposition of Hydroxyapatite and 58S Bioactive Glass Coatings on the Ti6Al4V Alloy Subjected to Surface Mechanical Attrition Treatment. <i>Key Engineering Materials</i> , 2015, 654, 149-153.	0.4	3
21	Metal organic precursor effect on the properties of SnO ₂ thin films deposited by MOCVD technique for electrochemical applications. <i>Surface and Coatings Technology</i> , 2015, 271, 234-241.	4.8	9
22	A new sol-gel synthesis of 45S5 bioactive glass using an organic acid as catalyst. <i>Materials Science and Engineering C</i> , 2015, 47, 407-412.	7.3	81
23	Human osteoblast-like cells response to pulsed electrodeposited calcium phosphate coatings. <i>RSC Advances</i> , 2013, 3, 11148.	3.6	15
24	Nanocrystallized SnO ₂ thin films deposited on Si and LaAlO ₃ substrates by pulsed-MOCVD technique for electrochemical applications. <i>Surface and Coatings Technology</i> , 2013, 230, 180-185.	4.8	7
25	Morphological modifications of electrodeposited calcium phosphate coatings under amino acids effect. <i>Applied Surface Science</i> , 2013, 268, 343-348.	6.1	27
26	Pulsed electrodeposition for the synthesis of strontium-substituted calcium phosphate coatings with improved dissolution properties. <i>Materials Science and Engineering C</i> , 2013, 33, 4260-4265.	7.3	33
27	Sol-gel synthesis of 45S5 bioglass - Prosthetic coating by electrophoretic deposition. <i>MATEC Web of Conferences</i> , 2013, 7, 04018.	0.2	0
28	Electrophoretic Deposition of Bioactive Glass Coatings on Ti12Mo5Ta Alloy. <i>Key Engineering Materials</i> , 2012, 507, 135-140.	0.4	10
29	Nanoscale Surface Modification of a Prosthetic Material: Case of Ti6Al4V into Ringer's Solution. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 4956-4961.	0.9	3
30	In vitro corrosion behavior of electrodeposited calcium phosphate coatings on Ti6Al4V substrates. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 3069-3077.	2.5	29
31	A Simple Method to Assess Surface Roughness by Photothermal Investigation (PTR) Using an Effective Semitransparent Layer. <i>International Journal of Thermophysics</i> , 2012, 33, 1960-1965.	2.1	4
32	Thermal Treatment Optimization of Electrodeposited Hydroxyapatite Coatings on Ti6Al4V Substrate. <i>Advanced Engineering Materials</i> , 2012, 14, 377-382.	3.5	27
33	In vitro dissolution and corrosion study of calcium phosphate coatings elaborated by pulsed electrodeposition current on Ti6Al4V substrate. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 753-761.	3.6	42
34	Structural Characterization of Electrodeposited Strontium Substituted Calcium Phosphate Coatings. <i>Journal of Biomaterials and Tissue Engineering</i> , 2011, 1, 68-75.	0.1	6
35	Effects of pulsed current and H ₂ O ₂ amount on the composition of electrodeposited calcium phosphate coatings. <i>Materials Characterization</i> , 2010, 61, 786-795.	4.4	53
36	Elaboration of Monophasic and Biphasic Calcium Phosphate Coatings on Ti6Al4V Substrate by Pulsed Electrodeposition Current. <i>Advanced Engineering Materials</i> , 2010, 12, B192.	3.5	29