Liam O'Neill

List of Publications by Year
in descending order

23 papers	451 citations	687220 13 h-index	713332 21 g-index
23 all docs	23 docs citations	23 times ranked	352 citing authors

#	Article	IF	Citations
1	Osteointegration, antimicrobial and antibiofilm activity of orthopaedic titanium surfaces coated with silver and strontium-doped hydroxyapatite using a novel blasting process. Drug Delivery and Translational Research, 2021, 11, 702-716.	3.0	11
2	Efficacy of a plasma-deposited, vancomycin/chitosan antibiotic coating for orthopaedic devices in a bacterially challenged rabbit model. Materialia, 2021, 17, 101122.	1.3	4
3	Plasma deposition of collagen for cellâ€culture applications. Plasma Processes and Polymers, 2020, 17, 1900147.	1.6	6
4	Deposition of Cell Culture Coatings Using a Cold Plasma Deposition Method. Applied Sciences (Switzerland), 2020, 10, 6670.	1.3	3
5	A comparison of two cold atmospheric helium plasma devices which utilise the same RF power generator. Clinical Plasma Medicine, 2020, 19-20, 100108.	3.2	0
6	Efficacy of Cold Plasma for Direct Deposition of Antibiotics as a Novel Approach for Localized Delivery and Retention of Effect. Frontiers in Cellular and Infection Microbiology, 2019, 9, 428.	1.8	8
7	Evaluation of the J-Plasma Electrosurgical Device Combined with Nebulized Collagen for Burn Healing in Rodents. Plasma Medicine, 2018, 8, 365-377.	0.2	6
8	Wound healing using plasma modified collagen. Clinical Plasma Medicine, 2018, 12, 23-32.	3.2	19
9	Plasma Deposition of Biomolecules for Enhanced Biomedical Applications. Materials Research Society Symposia Proceedings, 2015, 1723, 25.	0.1	0
10	Co-blasting of titanium surfaces with an abrasive and hydroxyapatite to produce bioactive coatings: Substrate and coating characterisation. Journal of Biomaterials Applications, 2014, 28, 767-778.	1.2	29
11	Comparison between shot peening and abrasive blasting processes as deposition methods for hydroxyapatite coatings onto a titanium alloy. Surface and Coatings Technology, 2013, 216, 224-231.	2.2	33
12	A Modified Surface on Titanium Deposited by a Blasting Process. Coatings, 2011, 1, 53-71.	1.2	25
13	A Comparison between Gas and Atomized Liquid Precursor States in the Deposition of Functional Coatings by Pin Corona Plasma. Plasma Processes and Polymers, 2011, 8, 230-238.	1.6	21
14	Wear resistance enhancement of the titanium alloy Tiâ€“6Alâ€“4V via a novel co-incident microblasting process. Surface and Coatings Technology, 2011, 205, 4941-4947.	2.2	14
15	Investigation of the Effects of Gas versus Liquid Deposition in an Aerosolâ€Assisted Corona Deposition Process. Plasma Processes and Polymers, 2010, 7, 43-50.	1.6	22
16	Comparing Deposition Properties in an Atmospheric Pressure Plasma System Operating in Uniform and Nonuniform Modes. IEEE Transactions on Plasma Science, 2009, 37, 961-969.	0.6	11
17	Polymeric Coatings Deposited From an Aerosolâ€Assisted Nonâ€thermal Plasma Jet. Chemical Vapor Deposition, 2009, 15, 21-26.	1.4	16
18	Evaluation of the mechanical behaviour of nanometre-thick coatings deposited using an atmospheric pressure plasma system. Surface and Coatings Technology, 2009, 203, 2021-2029.	2.2	11

#	Article	IF	Citations
19	Soft Plasma Polymerization of Gas State Precursors from an Atmospheric Pressure Corona Plasma Discharge. Chemistry of Materials, 2009, 21, 4401-4407.	3.2	38
20	Effect of Plasma Exposure on the Chemistry and Morphology of Aerosolâ€Assisted, Plasmaâ€Deposited Coatings. Plasma Processes and Polymers, 2008, 5, 737-744.	1.6	43
21	Controlling deposition rates in an atmospheric pressure plasma system. Surface and Coatings Technology, 2008, 203, 844-847.	2.2	43
22	Properties of Siloxane Coatings Deposited in a Reel-to-Reel Atmospheric Pressure Plasma System. Plasma Processes and Polymers, 2007, 4, S450-S454.	1.6	36
23	Anti-microbial coatings by agent entrapment in coatings deposited via atmospheric pressure plasma liquid deposition. Surface and Interface Analysis, 2006, 38, 1519-1524.	0.8	52