Daphne D Pappas

List of Publications by Year
in descending order

17	740	933447 10	940533 16
papers	citations	h-index	g-index

19	19	19	1063
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Status and potential of atmospheric plasma processing of materials. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2011, 29, .	2.1	148
2	Surface modification of polyamide fibers and films using atmospheric plasmas. Surface and Coatings Technology, 2006, 201, 4384-4388.	4.8	131
3	Accelerated differentiation of osteoblast cells on polycaprolactone scaffolds driven by a combined effect of protein coating and plasma modification. Biofabrication, 2010, 2, 014109.	7.1	104
4	Atmospheric pressure plasma enhanced chemical vapor deposition of hydrophobic coatings using fluorine-based liquid precursors. Surface and Coatings Technology, 2013, 234, 21-32.	4.8	89
5	Enhanced Cellular Functions on Polycaprolactone Tissue Scaffolds by O₂ Plasma Surface Modification. Plasma Processes and Polymers, 2011, 8, 256-267.	3.0	63
6	Atmospheric Plasma Processing of Polymers in Heliumâ€Water Vapor Dielectric Barrier Discharges. Plasma Processes and Polymers, 2011, 8, 631-639.	3.0	47
7	Chemical and morphological modification of polymers under a heliumâ€“oxygen dielectric barrier discharge. Surface and Coatings Technology, 2008, 203, 830-834.	4.8	46
8	Development of a cold atmospheric pressure microplasma jet for freeform cell printing. Applied Physics Letters, 2011, 99, .	3.3	25
9	Development of Antimicrobial Coatings by Atmospheric Pressure Plasma Using a Guanidine-Based Precursor. ACS Applied Materials & Interfaces, 2013, 5, 11836-11843.	8.0	23
10	Hybrid method involving atmospheric plasma treatment and inkjet deposition for the development of conductive patterns on flexible polymers. Surface and Coatings Technology, 2012, 206, 3923-3930.	4.8	22
11	Modification of Silicon Carbide Surfaces by Atmospheric Pressure Plasma for Composite Applications. ACS Applied Materials & Interfaces, 2013, 5, 4725-4730.	8.0	10
12	Aerosol-Assisted Plasma Deposition of Hydrophobic Polycations Makes Surfaces Highly Antimicrobial. Applied Biochemistry and Biotechnology, 2014, 172, 1254-1264.	2.9	10
13	Control of the interfacial properties of ultrahigh-molecular-weight polyethylene/magnesium hybrid composites through use of atmospheric plasma treatment. Polymer Composites, 2012, 33, 207-214.	4.6	8
14	Yield of electronically excited CN molecules from the dissociative recombination of HNC+ with electrons. Journal of Chemical Physics, 2007, 126, 154303.	3.0	5
15	Efficacy of nonâ€toxic surfaces to reduce bioadhesion in terrestrial gastropods. Pest Management Science, 2011, 67, 318-327.	3.4	5
16	Studies of air, water, and ethanol vapor atmospheric pressure plasmas for antimicrobial applications. Biointerphases, 2015, 10, 021001.	1.6	3
17	Enhanced Mechanical Performance of Woven Composite Laminates Using Plasma Treated Polymeric Fabrics. , 2014, , 231-242.		0