

# Daphne D Pappas

## List of Publications by Year in descending order

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17  
papers

740  
citations

933447

10  
h-index

940533

16  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1063  
citing authors

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