

Miroslav Michlicek

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Deposition penetration depth and sticking probability in plasma polymerization of cyclopropylamine. <i>Applied Surface Science</i> , 2021, 540, 147979.	6.1	15
2	Amine modification of calcium phosphate by low-pressure plasma for bone regeneration. <i>Scientific Reports</i> , 2021, 11, 17870.	3.3	4
3	Well-Blended PCL/PEO Electrospun Nanofibers with Functional Properties Enhanced by Plasma Processing. <i>Polymers</i> , 2020, 12, 1403.	4.5	34
4	Cell type specific adhesion to surfaces functionalised by amine plasma polymers. <i>Scientific Reports</i> , 2020, 10, 9357.	3.3	25
5	Molecular dynamics simulation of amine groups formation during plasma processing of polystyrene surfaces. <i>Plasma Sources Science and Technology</i> , 2020, 29, 105020.	3.1	9
6	TiCaPCON-Supported Pt- and Fe-Based Nanoparticles and Related Antibacterial Activity. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28699-28719.	8.0	16
7	Homogeneity and penetration depth of atmospheric pressure plasma polymerization onto electrospun nanofibrous mats. <i>Applied Surface Science</i> , 2019, 471, 835-841.	6.1	18
8	Grafting of carboxyl groups using CO ₂ /C ₂ H ₄ /Ar pulsed plasma: Theoretical modeling and XPS derivatization. <i>Applied Surface Science</i> , 2018, 435, 1220-1227.	6.1	27
9	Analysis of epoxy functionalized layers synthesized by plasma polymerization of allyl glycidyl ether. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 20070-20077.	2.8	13
10	Determination of NH ₂ concentration on 3-aminopropyl tri-ethoxy silane layers and cyclopropylamine plasma polymers by liquid-phase derivatization with 5-iodo 2-furaldehyde. <i>Applied Surface Science</i> , 2017, 414, 390-397.	6.1	16
11	Carboxyl-anhydride and amine plasma coating of PCL nanofibers to improve their bioactivity. <i>Materials and Design</i> , 2017, 132, 257-265.	7.0	45
12	Cyclopropylamine plasma polymers for increased cell adhesion and growth. <i>Plasma Processes and Polymers</i> , 2017, 14, 1600123.	3.0	26
13	XPS depth profiling of derivatized amine and anhydride plasma polymers: Evidence of limitations of the derivatization approach. <i>Applied Surface Science</i> , 2017, 394, 578-585.	6.1	33
14	Deposition of Functional Plasma Polymers Influenced by Reactor Geometry in Capacitively Coupled Discharges. <i>Plasma Processes and Polymers</i> , 2016, 13, 279-286.	3.0	40
15	Carboxyl-rich coatings deposited by atmospheric plasma co-polymerization of maleic anhydride and acetylene. <i>Surface and Coatings Technology</i> , 2016, 295, 37-45.	4.8	37
16	Plasma Enhanced CVD of Organosilicon Thin Films on Electrospun Polymer Nanofibers. <i>Plasma Processes and Polymers</i> , 2015, 12, 1231-1243.	3.0	33
17	Low pressure plasmachemical processing of multi-walled carbon nanotubes for the production of polyurethane composite films with improved mechanical properties. <i>Thin Solid Films</i> , 2013, 538, 7-15.	1.8	6