

# Free-Radical-Induced Grafting from Plasma Polymer Surfaces

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Where physics meets chemistry: Thin film deposition from reactive plasmas. <i>Frontiers of Chemical Science and Engineering</i> , 2016, 10, 441-458.	2.3	20
2	Surface Modification of Tissue Engineering Scaffolds. , 2016, , 123-150.		2
3	Substrate-Regulated Growth of Plasma-Polymerized Films on Carbide-Forming Metals. <i>Langmuir</i> , 2016, 32, 10835-10843.	1.6	27
4	Plasma induced graft polymerization of hydrophilic monomers on polysulfone gas separation membrane surfaces. <i>Surface and Coatings Technology</i> , 2016, 296, 157-163.	2.2	33
5	Linker-free covalent immobilization of nisin using atmospheric pressure plasma induced grafting. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2500-2510.	2.9	32
6	Synthesis of highly functionalised plasma polymer films from protonated precursor ions via the plasma $\text{H}^+$ transition. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 5637-5646.	1.3	13
7	Does a Nitrogen Lone Pair Lead to Two Centered-Three Electron ( $2c-3e$ ) Interactions in Pyridyl Radical Isomers?. <i>Journal of Physical Chemistry A</i> , 2017, 121, 3781-3791.	1.1	9
8	Effect of surface functionalizations of multi-walled carbon nanotubes on neoplastic transformation potential in primary human lung epithelial cells. <i>Nanotoxicology</i> , 2017, 11, 613-624.	1.6	21
9	Mechanism of degradation of a nitrogenous heterocycle induced by a reductive radical: decomposition of a sym-triazine ring. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 9354-9357.	1.3	7
10	Covalent immobilization of lysozyme in silicone rubber modified by easy chemical grafting. <i>MRS Communications</i> , 2017, 7, 904-912.	0.8	10
11	Microstructure evolution and tribological properties of acrylonitrile-butadiene rubber surface modified by atmospheric plasma treatment. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	7
12	Nano-Star-Shaped Polymers for Drug Delivery Applications. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700410.	2.0	109
13	The chemistry of organophosphate thin film coatings from low pressure plasma and the effect of the substrate on adhesion. <i>Plasma Processes and Polymers</i> , 2017, 14, 1700037.	1.6	6
14	Tunable wettability and pH-responsiveness of plasma copolymers of acrylic acid and octafluorocyclobutane. <i>Plasma Processes and Polymers</i> , 2017, 14, 1700053.	1.6	25
15	Surface functionalisation of polymers. <i>Chemical Society Reviews</i> , 2017, 46, 5701-5713.	18.7	128
16	Review of Electrochemically Triggered Macromolecular Film Buildup Processes and Their Biomedical Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 28117-28138.	4.0	48
17	Enhancement of cell growth on honeycomb-structured polylactide surface using atmospheric-pressure plasma jet modification. <i>Applied Surface Science</i> , 2017, 394, 534-542.	3.1	27
18	Promiscuous hydrogen in polymerising plasmas. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 7033-7042.	1.3	10

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20	Ultrafast Tailoring of Carbon Surfaces via Electrochemically Attached Triazolinediones. Langmuir, 2018, 34, 2397-2402.	1.6	13
21	Recent approaches to reduce aging phenomena in oxygen- and nitrogen-containing plasma polymer films: An overview. Current Opinion in Solid State and Materials Science, 2018, 22, 26-38.	5.6	66
22	Plasma Synthesis of Carbon-Based Nanocarriers for Linker-Free Immobilization of Bioactive Cargo. ACS Applied Nano Materials, 2018, 1, 580-594.	2.4	20
23	Surface modification of polypropylene mesh devices with cyclodextrin via cold plasma for hernia repair: Characterization and antibacterial properties. Applied Surface Science, 2018, 439, 749-759.	3.1	53
24	Influences of cold atmospheric plasma on microbial safety, physicochemical and sensorial qualities of meat products. Journal of Food Science and Technology, 2018, 55, 846-857.	1.4	32
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28	Duty cycle dependent chemical structure and wettability of RF pulsed plasma copolymers of acrylic acid and octafluorocyclobutane. Applied Surface Science, 2018, 436, 411-418.	3.1	10
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31	Multifunctional Protein-Immobilized Plasma Polymer Films for Orthopedic Applications. ACS Biomaterials Science and Engineering, 2018, 4, 4084-4094.	2.6	27
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33	Plasma Polymerization of TEMPO Yields Coatings Containing Stable Nitroxide Radicals for Controlling Interactions with Prokaryotic and Eukaryotic Cells. ACS Applied Nano Materials, 2018, 1, 6587-6595.	2.4	12
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38	A novel effective approach of nanocrystalline cellulose production: oxidation-hydrolysis strategy. <i>Cellulose</i> , 2018, 25, 5035-5048.	2.4	23
39	Cellular responses to radical propagation from ion-implanted plasma polymer surfaces. <i>Applied Surface Science</i> , 2018, 456, 701-710.	3.1	21
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41	Analysis of epoxy functionalized layers synthesized by plasma polymerization of allyl glycidyl ether. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 20070-20077.	1.3	13
42	Antibacterial biocompatible PCL nanofibers modified by COOH-anhydride plasma polymers and gentamicin immobilization. <i>Materials and Design</i> , 2018, 153, 60-70.	3.3	54
43	Plasma activated coatings with dual action against fungi and bacteria. <i>Applied Materials Today</i> , 2018, 12, 72-84.	2.3	52
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55	Chitosan Cross-Linked Bio-based Antimicrobial Polypropylene Meshes for Hernia Repair Loaded with Levofloxacin HCl via Cold Oxygen Plasma. <i>Coatings</i> , 2019, 9, 168.	1.2	26

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