

# Sameer A Al-Bataineh

## List of Publications by Year in descending order

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33  
papers

848  
citations

393982

19  
h-index

476904

29  
g-index

35  
all docs

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docs citations

35  
times ranked

1290  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atmospheric Pressure Dielectric Barrier Discharges for the Deposition of Organic Plasma Polymer Coatings for Biomedical Application. <i>Plasma Chemistry and Plasma Processing</i> , 2021, 41, 47-83.	1.1	18
2	To be a radical or not to be one? The fate of the stable nitroxide radical TEMPO [(2,2,6,6-Tetramethylpiperidin-1-yl)oxyl] undergoing plasma polymerization into thin-film coatings. <i>Biointerphases</i> , 2020, 15, 031015.	0.6	3
3	Deposition of 2-oxazoline-based plasma polymer coatings using atmospheric pressure helium plasma jet. <i>Plasma Processes and Polymers</i> , 2019, 16, 1900104.	1.6	12
4	Engineering of high-performance potassium-ion capacitors using polyaniline-derived N-doped carbon nanotubes anode and laser scribed graphene oxide cathode. <i>Applied Materials Today</i> , 2019, 16, 425-434.	2.3	43
5	Electrical and optical properties of a gradient microplasma for microfluidic chips. <i>Plasma Processes and Polymers</i> , 2017, 14, 1600194.	1.6	2
6	Microplasma jet treatment of bovine serum albumin coatings for controlling enzyme and cell attachment. <i>European Physical Journal: Special Topics</i> , 2017, 226, 2873-2885.	1.2	3
7	Continuous-Wave RF Plasma Polymerization of Furfuryl Methacrylate: Correlation Between Plasma and Surface Chemistry. <i>Plasma Processes and Polymers</i> , 2017, 14, 1600054.	1.6	9
8	Microplasma Array Patterning of Reactive Oxygen and Nitrogen Species onto Polystyrene. <i>Frontiers in Physics</i> , 2017, 5, .	1.0	0
9	Plasma Polymer and Biomolecule Modification of 3D Scaffolds for Tissue Engineering. <i>Plasma Processes and Polymers</i> , 2016, 13, 678-689.	1.6	20
10	“Thunderstruck” Plasma-Polymer-Coated Porous Silicon Microparticles As a Controlled Drug Delivery System. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 4467-4476.	4.0	33
11	Fabrication and Characterization of a Porous Silicon Drug Delivery System with an Initiated Chemical Vapor Deposition Temperature-Responsive Coating. <i>Langmuir</i> , 2016, 32, 301-308.	1.6	53
12	Attachment of Poly(L-lactide) Nanoparticles to Plasma-Treated Non-Woven Polymer Fabrics Using Inkjet Printing. <i>Macromolecular Bioscience</i> , 2015, 15, 1274-1282.	2.1	12
13	Surface protein gradients generated in sealed microchannels using spatially varying helium microplasma. <i>Biomicrofluidics</i> , 2015, 9, 014124.	1.2	8
14	Surface engineering of porous silicon to optimise therapeutic antibody loading and release. <i>Journal of Materials Chemistry B</i> , 2015, 3, 4123-4133.	2.9	30
15	Protein Patterning on Microplasma-Activated PEO-Like Coatings. <i>Plasma Processes and Polymers</i> , 2014, 11, 263-268.	1.6	6
16	ToF-SIMS analysis of poly(L-lysine)-graft-poly(2-methyl-2-oxazoline) ultrathin adlayers. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1509-1517.	1.9	7
17	On the effects of atmospheric-pressure microplasma array treatment on polymer and biological materials. <i>RSC Advances</i> , 2013, 3, 13437.	1.7	24
18	On the Effect of Monomer Chemistry on Growth Mechanisms of Nonfouling PEG-like Plasma Polymers. <i>Langmuir</i> , 2013, 29, 2595-2601.	1.6	41

#	ARTICLE	IF	CITATIONS
19	Studying the cytolytic activity of gas plasma with self-signalling phospholipid vesicles dispersed within a gelatin matrix. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 185401.	1.3	36
20	Microplasma arrays: a new approach for maskless and localized patterning of materials surfaces. <i>RSC Advances</i> , 2012, 2, 12007.	1.7	20
21	Combination of iCVD and Porous Silicon for the Development of a Controlled Drug Delivery System. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 3566-3574.	4.0	75
22	Fabrication and Operation of a Microcavity Plasma Array Device for Microscale Surface Modification. <i>Plasma Processes and Polymers</i> , 2012, 9, 638-646.	1.6	23
23	Microplasma patterning of bonded microchannels using high-precision "injected" electrodes. <i>Lab on a Chip</i> , 2011, 11, 541-544.	3.1	50
24	Chemical and biomolecule patterning on 2D surfaces using atmospheric pressure microcavity plasma array devices. <i>Proceedings of SPIE</i> , 2011, , .	0.8	1
25	Controlling the Spatial Distribution of Polymer Surface Treatment Using Atmospheric Pressure Microplasma Jets. <i>Plasma Processes and Polymers</i> , 2011, 8, 38-50.	1.6	51
26	Design of a Microplasma Device for Spatially Localised Plasma Polymerisation. <i>Plasma Processes and Polymers</i> , 2011, 8, 695-700.	1.6	19
27	Integration of microplasma and microfluidic technologies for localised microchannel surface modification. <i>Proceedings of SPIE</i> , 2011, , .	0.8	2
28	The use of a micro-cavity discharge array at atmospheric pressure to investigate the spatial modification of polymer surfaces. <i>Surface and Coatings Technology</i> , 2010, 204, 2279-2288.	2.2	19
29	Furanone at Subinhibitory Concentrations Enhances Staphylococcal Biofilm Formation by <i>luxS</i> Repression. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 4159-4166.	1.4	93
30	Covalent Immobilization of Antibacterial Furanones via Photochemical Activation of Perfluorophenylazide. <i>Langmuir</i> , 2009, 25, 7432-7437.	1.6	44
31	TOF-SIMS and Principal Component Analysis Characterization of the Multilayer Surface Grafting of Small Molecules: % Antibacterial Furanones. <i>Analytical Chemistry</i> , 2008, 80, 430-436.	3.2	18
32	Rapid radiation degradation in the XPS analysis of antibacterial coatings of brominated furanones. <i>Surface and Interface Analysis</i> , 2006, 38, 1512-1518.	0.8	25
33	XPS characterization of the surface immobilization of antibacterial furanones. <i>Surface Science</i> , 2006, 600, 952-962.	0.8	48