Ita Junkar

List of Publications by Year
in descending order

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54	1,702	304743	276875
papers	citations	22 h-index	41 g-index

54	54	54	2440
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surface modification of polyester by oxygenâ€•and nitrogenâ€plasma treatment. Surface and Interface Analysis, 2008, 40, 1444-1453.	1.8	249
2	Influence of oxygen and nitrogen plasma treatment on polyethylene terephthalate (PET) polymers. Vacuum, 2009, 84, 83-85.	3.5	133
3	Wettability studies of topologically distinct titanium surfaces. Colloids and Surfaces B: Biointerfaces, 2015, 129, 47-53.	5.0	108
4	The Role of Crystallinity on Polymer Interaction with Oxygen Plasma. Plasma Processes and Polymers, 2009, 6, 667-675.	3.0	99
5	The biocompatibility of polyaniline and polypyrrole: A comparative study of their cytotoxicity, embryotoxicity and impurity profile. Materials Science and Engineering C, 2018, 91, 303-310.	7.3	96
6	Improved electronâ€“hole separation and migration in anatase TiO‹sub›2‹/sub› nanorod/reduced graphene oxide composites and their influence on photocatalytic performance. Nanoscale, 2017, 9, 4578-4592.	5.6	81
7	Adherence of oral streptococci to nanostructured titanium surfaces. Dental Materials, 2015, 31, 1460-1468.	3.5	75
8	A Physicochemical Approach to Render Antibacterial Surfaces on Plasmaâ€Treated Medicalâ€Grade PVC: Irgasan Coating. Plasma Processes and Polymers, 2010, 7, 504-514.	3.0	60
9	Cold Plasma Systems and Their Application in Surface Treatments for Medicine. Molecules, 2021, 26, 1903.	3.8	60
10	Effects of Nonthermal Plasma on Morphology, Genetics and Physiology of Seeds: A Review. Plants, 2020, 9, 1736.	3.5	59
11	Aging of plasma treated surfaces and their effects on platelet adhesion and activation. Surface and Coatings Technology, 2012, 213, 98-104.	4.8	51
12	Influence of various sterilization procedures on TiO2 nanotubes used for biomedical devices. Bioelectrochemistry, 2016, 109, 79-86.	4.6	43
13	Crystallized TiO2 Nanosurfaces in Biomedical Applications. Nanomaterials, 2020, 10, 1121.	4.1	40
14	Titanium Dioxide Nanotube Arrays for Cardiovascular Stent Applications. ACS Omega, 2020, 5, 7280-7289.	3.5	35
15	Application of extremely non-equilibrium plasmas in the processing of nano and biomedical materials. Plasma Sources Science and Technology, 2015, 24, 015026.	3.1	34
16	Strategies for Improving Antimicrobial Properties of Stainless Steel. Materials, 2020, 13, 2944.	2.9	29
17	Use of Plasma Technologies for Antibacterial Surface Properties of Metals. Molecules, 2021, 26, 1418.	3.8	29
18	The Importance of Antibacterial Surfaces in Biomedical Applications. Advances in Biomembranes and Lipid Self-Assembly, 2018, 28, 115-165.	0.6	28

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19	Plasma-Induced Crystallization of TiO2 Nanotubes. Materials, 2019, 12, 626.	2.9	28
20	Electrochemical Biosensor Based on TiO 2 Nanomaterials for Cancer Diagnostics. Advances in Biomembranes and Lipid Self-Assembly, 2018, , 63-105.	0.6	25
21	Plasma treatment of amorphous and semicrystalline polymers for improved biocompatibility. Vacuum, 2013, 98, 111-115.	3.5	24
22	Enhanced biocompatibility of TiO2surfaces by highly reactive plasma. Journal Physics D: Applied Physics, 2016, 49, 244002.	2.8	23
23	Blood coagulation and platelet adhesion on polyaniline films. Colloids and Surfaces B: Biointerfaces, 2015, 133, 278-285.	5.0	19
24	Viscosity of Plasma as a Key Factor in Assessment of Extracellular Vesicles by Light Scattering. Cells, 2019, 8, 1046.	4.1	18
25	Effect of Oxygen Plasma on Sprout and Root Growth, Surface Morphology and Yield of Garlic. Plants, 2019, 8, 462.	3.5	17
26	Binding of human coronary artery endothelial cells to plasmaâ€treated titanium dioxide nanotubes of different diameters. Journal of Biomedical Materials Research - Part A, 2016, 104, 1113-1120.	4.0	16
27	Preparation of Hierarchically Structured Polystyrene Surfaces with Superhydrophobic Properties by Plasma-Assisted Fluorination. Coatings, 2019, 9, 201.	2.6	16
28	Modification of PET surface properties using extremely non-equilibrium oxygen plasma. Open Chemistry, 2015, 13, .	1.9	15
29	Morphology Transformations of Platelets on Plasma Activated Surfaces. Plasma Processes and Polymers, 2014, 11, 596-605.	3.0	15
30	Effect of H2S Plasma Treatment on the Surface Modification of a Polyethylene Terephthalate Surface. Materials, 2016, 9, 95.	2.9	14
31	On the Hydrophilicity and Water Resistance Effect of Styreneâ€Acrylonitrile Copolymer Treated by CF₄ and O₂ Plasmas. Plasma Processes and Polymers, 2015, 12, 1075-1084.	3.0	13
32	The Influence of Glow and Afterglow Cold Plasma Treatment on Biochemistry, Morphology, and Physiology of Wheat Seeds. International Journal of Molecular Sciences, 2022, 23, 7369.	4.1	13
33	Hemocompatible Poly(ethylene terephthalate) Polymer Modified via Reactive Plasma Treatment. Japanese Journal of Applied Physics, 2011, 50, 08JF02.	1.5	12
34	Response of Two Different Wheat Varieties to Glow and Afterglow Oxygen Plasma. Plants, 2021, 10, 1728.	3.5	12
35	Interaction of nanostructured TiO2 biointerfaces with stem cells and biofilm-forming bacteria. Materials Science and Engineering C, 2017, 77, 500-507.	7.3	11
36	Bio-Performance of Hydrothermally and Plasma-Treated Titanium: The New Generation of Vascular Stents. International Journal of Molecular Sciences, 2021, 22, 11858.	4.1	11

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37	Developing a biomaterial interface based on poly(lactic acid) via plasma-assisted covalent anchorage of d-glucosamine and its potential for tissue regeneration. Colloids and Surfaces B: Biointerfaces, 2016, 148, 59-65.	5.0	10
38	Cell-compatible conducting polyaniline films prepared in colloidal dispersion mode. Colloids and Surfaces B: Biointerfaces, 2017, 157, 309-316.	5.0	9
39	PECVD of Hexamethyldisiloxane Coatings Using Extremely Asymmetric Capacitive RF Discharge. Materials, 2020, 13, 2147.	2.9	9
40	Modulation of Differentiation of Embryonic Stem Cells by Polypyrrole: The Impact on Neurogenesis. International Journal of Molecular Sciences, 2021, 22, 501.	4.1	8
41	Mechanical and Electrical Interaction of Biological Membranes with Nanoparticles and Nanostructured Surfaces. Membranes, 2021, 11, 533.	3.0	8
42	Formation of Nanocones on Highly Oriented Pyrolytic Graphite by Oxygen Plasma. Materials, 2014, 7, 2014-2029.	2.9	7
43	In-Vitro Hemocompatibility of Polyaniline Functionalized by Bioactive Molecules. Polymers, 2019, 11, 1861.	4.5	7
44	Hemocompatible Poly(ethylene terephthalate) Polymer Modified via Reactive Plasma Treatment. Japanese Journal of Applied Physics, 2011, 50, 08JF02.	1.5	7
45	Improved Sprout Emergence of Garlic Cloves by Plasma Treatment. Plasma Medicine, 2016, 6, 325-338.	0.6	6
46	Growth of a Novel Nanostructured ZnO Urchin: Control of Cytotoxicity and Dissolution of the ZnO Urchin. Nanoscale Research Letters, 2015, 10, 441.	5.7	5
47	Extracellular Vesicle Isolation Yields Increased by Low-Temperature Gaseous Plasma Treatment of Polypropylene Tubes. Polymers, 2020, 12, 2363.	4.5	4
48	The effect of composition of a polymeric coating on the biofilm formation of bacteria and filamentous fungi. International Journal of Polymeric Materials and Polymeric Biomaterials, 2019, 68, 152-159.	3.4	3
49	The Oleofobization of Paper via Plasma Treatment. Polymers, 2021, 13, 2148.	4.5	3
50	Wettability Switch of Anodic Titanium Dioxide Nanotubes with Various Diameters. Biophysical Journal, 2016, 110, 339a.	0.5	2
51	Biocompatibility and Mechanical Stability of Nanopatterned Titanium Films on Stainless Steel Vascular Stents. International Journal of Molecular Sciences, 2022, 23, 4595.	4.1	2
52	Toward novel antibacterial surfaces used for medical implants. Advances in Biomembranes and Lipid Self-Assembly, 2022, , 77-94.	0.6	1
53	Exploring the Effects of Cold Plasma on Wheat Seed Surface, Germination and Growth. Biology and Life Sciences Forum, 2020, 4, .	0.6	0
54	Bio-Polymers in the World of Plasma: Effects of Cold Plasma on Seed Surface. , 2020, 69, .		0