

Catalin G Borcia

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

262
citations

1040056

9
h-index

1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

353
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface properties and hydrophobic recovery of polymers treated by atmospheric-pressure plasma. <i>Applied Surface Science</i> , 2014, 317, 103-110.	6.1	58
2	Self-organization phenomena in current carrying plasmas related to the non-linearity of the current versus voltage characteristic. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995, 208, 136-142.	2.1	44
3	Adhesion properties of polyamide-6 fibres treated by dielectric barrier discharge. <i>Surface and Coatings Technology</i> , 2006, 201, 1117-1123.	4.8	41
4	Relating plasma surface modification to polymer characteristics. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 90, 507-515.	2.3	28
5	Spontaneously generated temporal patterns correlated with the dynamics of self-organized coherent space charge configurations formed in plasma. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1997, 229, 354-361.	2.1	23
6	Determining the contact angle between liquids and cylindrical surfaces. <i>Journal of Colloid and Interface Science</i> , 2006, 294, 418-422.	9.4	21
7	Atmospheric-Pressure Dielectric Barrier Discharge for Surface Processing of Polymer Films and Fibers. <i>IEEE Transactions on Plasma Science</i> , 2009, 37, 941-945.	1.3	15
8	Sorption of thallos ion from acidic aqueous solutions onto ETS-10 titanosilicate. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 288, 25-30.	1.5	10
9	Control of the blood-polymer interface by plasma treatment. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008, 87B, 364-373.	3.4	9
10	DBD Surface Modification of Polymers in Relation to the Spatial Distribution of Reactive Oxygen Species. <i>Plasma Chemistry and Plasma Processing</i> , 2011, 31, 729-740.	2.4	8
11	Effects of Atmospheric-Pressure Plasma Treatment on the Processes Involved in Fabrics Dyeing. <i>Plasma Chemistry and Plasma Processing</i> , 2016, 36, 341-354.	2.4	5
12	Improved fluorimetric measurement of uranium uptake and distribution in spring wheat (<i>Triticum</i>)	1.2	0