Maurice Brogly

List of Publications by Year
in descending order

38 papers	754 citations	623734 14 h-index	526287 27 g-index
38 all docs	38 docs citations	38 times ranked	904 citing authors

#	Article	IF	Citations
1	Influence of semiâ€crystalline poly(Îµ â€caprolactone) and nonâ€crystalline polylactide blocks on the thermal properties of polydimethylsiloxaneâ€based block copolymers. Polymer International, 2020, 69, 1105-1112.	3.1	8
2	Adhesion of Bread Dough to Solid Surfaces Under Controlled Heating: Balance Between the Rheological and Interfacial Properties of Dough. Journal of Food Science, 2019, 84, 499-506.	3.1	4
3	Forces Involved in Adhesion. , 2018, , 43-70.		2
4	Forces Involved in Adhesion. , 2017, , 1-28.		2
5	Elastic recovery and creep properties of waterborne two-component polyurethanes investigated by micro-indentation. Progress in Organic Coatings, 2013, 76, 1337-1345.	3.9	19
6	Adsorption of Alkanethiols on Gold Surfaces: PM-IRRAS Study of the Influence of Terminal Functionality on Alkyl Chain Orientation. Journal of Adhesion, 2013, 89, 416-432.	3.0	12
7	Investigation on the Adsorption of Alkoxysilanes on Stainless Steel. Applied Spectroscopy, 2013, 67, 1308-1314.	2.2	8
8	Mechanisms of Interfacial Degradation of Epoxy Adhesive/Galvanized Steel Assemblies: Relevance to Durability. Journal of Adhesion, 2012, 88, 145-170.	3.0	31
9	Spontaneous photoinduced formation of hybrid polymer films with functionalized macroporous patterns. Surface and Coatings Technology, 2012, 209, 64-72.	4.8	4
10	Surface Morphology and Crystallinity of Polyamides Investigated by Atomic Force Microscopy. Nanoscience and Technology, 2012, , 235-247.	1.5	1
11	Contributions of chemical and mechanical surface properties and temperature effect on the adhesion at the nanoscale. Thin Solid Films, 2011, 519, 3690-3694.	1.8	17
12	Assessment of Nanoadhesion and Nanofriction Properties of Formulated Cellulose-Based Biopolymers by AFM. Nanoscience and Technology, 2011, , 473-504.	1.5	4
13	Hydroxypropyl methylcellulose (HPMC) formulated films: Relevance to adhesion and friction surface properties. Carbohydrate Polymers, 2010, 80, 105-114.	10.2	56
14	Surface characterizations of poly(ethylene terephthalate) film modified by a carbohydrate-bearing photoreactive azide group. European Polymer Journal, 2010, 46, 1594-1603.	5.4	19
15	Atom transfer radical polymerization of styrene from different poly(ethylene terephthalate) surfaces: Films, fibers and fabrics. European Polymer Journal, 2009, 45, 246-255.	5.4	38
16	Contact Atomic Force Microscopy: A Powerful Tool in Adhesion Science. Nanoscience and Technology, 2009, , 73-95.	1.5	1
17	On the use of SPM to probe the interplay between polymer surface chemistry and polymer surface mechanics. Journal of Physics: Conference Series, 2007, 61, 135-139.	0.4	0
18	Polystyrene chains orientation: A rubbed and non-rubbed polymer comparative study. Chemical Physics Letters, 2007, 443, 352-355.	2.6	8

#	Article	IF	Citations
19	Force Curve Measurements with the AFM: Application to the In Situ Determination of Grafted Silicon-Wafer Surface Energies. Journal of Adhesion, 2006, 82, 649-669.	3.0	9
20	A nanoscale study of the adhesive contact. Comptes Rendus Chimie, 2006, 9, 99-110.	0.5	14
21	A model of chain folding in Polycaprolactone-b-Polymethyl Methacrylate diblock copolymers. Thin Solid Films, 2005, 483, 388-395.	1.8	14
22	Quantitative determination of surface energy using atomic force microscopy: the case of hydrophobic/hydrophobic contact and hydrophilic/hydrophilic contact. Surface and Interface Analysis, 2005, 37, 755-764.	1.8	25
23	In situ estimation of the chemical and mechanical contributions in local adhesion force measurement with AFM: the specific case of polymers. European Polymer Journal, 2004, 40, 965-974.	5.4	22
24	In Situ Determination of the Thermodynamic Surface Properties of Chemically Modified Surfaces on a Local Scale:Â An Attempt with the Atomic Force Microscope. Langmuir, 2004, 20, 2707-2712.	3.5	37
25	Quantitative calculation of the orientation angles of adsorbed polyamides nanofilms. Polymer, 2003, 44, 3649-3660.	3.8	28
26	Adsorption of polyamides on SAMs: effect of SAM grafting density on polyamide morphology. Surface and Interface Analysis, 2003, 35, 231-236.	1.8	13
27	Molecular orientation of EVA chains adsorbed on chemically controlled surfaces: influence of specific interactions. Surface and Interface Analysis, 2003, 35, 633-639.	1.8	5
28	Crystallinity of adsorbed EVA nanofilms: relevance to confinement and interfacial interactions. Surface and Interface Analysis, 2003, 35, 785-792.	1.8	7
29	Decoupling of the Chemical and Mechanical Surface Contributions in a Force Curve Measurement with AFM. Materials Research Society Symposia Proceedings, 2003, 778, 4111.	0.1	0
30	Surface Mechanical Property Determination of Soft Materials Through an AFM Nanoindentation Experiment. Materials Research Society Symposia Proceedings, 2003, 778, 471.	0.1	2
31	Structure, orientation, and conformation of adsorbed polyamides. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 1464-1476.	2.1	14
32	Crystallinity measurements of polyamides adsorbed as thin films. Polymer, 2002, 43, 4811-4822.	3.8	62
33	A new theoretical approach for the determination of molecular orientation persistence length of adsorbed nanofilms by FTIR reflectance spectroscopy. Macromolecular Theory and Simulations, 1998, 7, 65-68.	1.4	10
34	Glass Transition of Stereoregular Poly(methyl methacrylate) at Interfaces. Langmuir, 1998, 14, 2929-2932.	3.5	238
35	Persistence of Molecular Orientation in Adsorbed Ethyleneâ^'Vinyl Acetate Copolymer Nanofilm Studied by Fourier Transform Infrared Reflectance Spectroscopy. Macromolecules, 1998, 31, 3967-3973.	4.8	13
36	Spectroscopic evidence of the polymer tacticity as an important parameter for the configuration of the adsorbed pmma layer. Macromolecular Symposia, 1997, 119, 165-171.	0.7	0

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37	Determination of exact absorption behaviour in the mid-infrared spectral range of poly(methylmethacrylate) by Fourier transform infrared reflection spectroscopy. Polymer International, 1997, 44, 11-18.	3.1	6
38	Formulation and Surface Properties of Bio-Based Polymer Films for Pharmaceutical Applications. Key Engineering Materials, 0, 611-612, 829-835.	0.4	1