

Alain M Jonas

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

219
papers

8,328
citations

46
h-index

81
g-index

226
ext. papers

8,807
ext. citations

6.7
avg, IF

5.9
L-index

#	Paper	IF	Citations
219	Sequence Rules the Functional Connections and Efficiency of Catalytic Precision Oligomers. <i>ACS Catalysis</i> , 2022 , 12, 2126-2131	13.1	0
218	Tuning the catalytic activity of enzymes embedded in layer-by-layer assembled films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 631, 127698	5.1	2
217	Layer-by-layer assembly in nanochannels: assembly mechanism and applications. <i>Nanoscale</i> , 2021 , 13, 7471-7497	7.7	7
216	Discrete multifunctional sequence-defined oligomers with controlled chirality. <i>Polymer Chemistry</i> , 2020 , 11, 4040-4046	4.9	11
215	Osteogenic Differentiation of Adipose-Derived Stromal Cells: From Bench to Clinics. <i>Tissue Engineering - Part B: Reviews</i> , 2020 , 26, 461-474	7.9	1
214	Thermally Induced Flexo-Type Effects in Nanopatterned Multiferroic Layers. <i>Advanced Functional Materials</i> , 2020 , 30, 1910371	15.6	4
213	Self-Assembly of Protamine Biomacromolecule on Halloysite Nanotubes for Immobilization of Superoxide Dismutase Enzyme.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 522-530	4.1	17
212	How roughness controls the water repellency of woven fabrics. <i>Materials and Design</i> , 2020 , 187, 108389	8.1	6
211	Microchannel Molding Combined with Layer-by-Layer Approach for the Formation of Three-Dimensional Tube-like Structures by Endothelial Cells.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 1520-1532	4.1	1
210	Argon gas cluster fragmentation and scattering as a probe of the surface physics of thermoset polymers. <i>Applied Surface Science</i> , 2020 , 533, 147473	6.7	2
209	Green and Tunable Animal Protein-Free Microcarriers for Cell Expansion. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 50303-50314	9.5	1
208	Fatty Acid Monolayers on Randomly Nanostructured Inorganic Surfaces: Interplay of Wettability, Chemistry, and Topography. <i>Langmuir</i> , 2020 , 36, 11845-11854	4	1
207	Influence of Site Pairing in Hydrophobic Silica-Supported Sulfonic Acid Bifunctional Catalysts. <i>Langmuir</i> , 2020 , 36, 13743-13751	4	4
206	One-Step Aqueous Spraying Process for the Fabrication of Omniphobic Fabrics Free of Long Perfluoroalkyl Chains. <i>ACS Omega</i> , 2019 , 4, 16660-16666	3.9	8
205	Synthesis of discrete catalytic oligomers and their potential in silica-supported cooperative catalysis.. <i>RSC Advances</i> , 2019 , 9, 14194-14197	3.7	4
204	Layer-by-layer assembly of enzyme-loaded halloysite nanotubes for the fabrication of highly active coatings. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 178, 508-514	6	17
203	"Click" Silica-Supported Sulfonic Acid Catalysts with Variable Acid Strength and Surface Polarity. <i>Chemistry - A European Journal</i> , 2019 , 25, 6753-6762	4.8	9

202	Nanofibrillar Patches of Commensal Skin Bacteria. <i>Biomacromolecules</i> , 2019 , 20, 102-108	6.9	7
201	Design of experiments to assess the effect of culture parameters on the osteogenic differentiation of human adipose stromal cells. <i>Stem Cell Research and Therapy</i> , 2019 , 10, 256	8.3	9
200	Hydrogen-Bonded Multilayers for the Release of Polyelectrolyte Nanotubes in Biocompatible Conditions. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 2407-2416	4.3	7
199	Design and engineering of multifunctional silica-supported cooperative catalysts. <i>Catalysis Today</i> , 2019 , 334, 173-186	5.3	25
198	Environmentally Friendly Super-Water-Repellent Fabrics Prepared from Water-Based Suspensions. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 15346-15351	9.5	38
197	Controlling the Growth of Staphylococcus epidermidis by Layer-By-Layer Encapsulation. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 16250-16259	9.5	20
196	Layer-by-layer assembly of brushes of vertically-standing enzymatic nanotubes. <i>Journal of Colloid and Interface Science</i> , 2018 , 514, 592-598	9.3	6
195	Room-Temperature Magnetic Switching of the Electric Polarization in Ferroelectric Nanopillars. <i>ACS Nano</i> , 2018 , 12, 576-584	16.7	19
194	Sequence and Surface Confinement Direct Cooperativity in Catalytic Precision Oligomers. <i>Journal of the American Chemical Society</i> , 2018 , 140, 5179-5184	16.4	36
193	Integrating Proteins in Layer-by-Layer Assemblies Independently of their Electrical Charge. <i>ACS Nano</i> , 2018 , 12, 8372-8381	16.7	31
192	Solvent-free preparation of porous poly(l-lactide) microcarriers for cell culture. <i>Acta Biomaterialia</i> , 2018 , 75, 300-311	10.8	16
191	Spatial Coordination of Cooperativity in Silica-Supported Cu/TEMPO/Imidazole Catalytic Triad. <i>ACS Catalysis</i> , 2018 , 8, 6006-6011	13.1	22
190	Multiferroic Nanopatterned Hybrid Material with Room-Temperature Magnetic Switching of the Electric Polarization. <i>Advanced Materials</i> , 2017 , 29, 1604604	24	15
189	Local polarization switching in stressed ferroelectric polymers. <i>Applied Physics Letters</i> , 2017 , 110, 202901	3.4	9
188	Temperature Dependence of the Swelling and Surface Wettability of Dense Polymer Brushes 2017 , 267-285		1
187	Uptake of Long Protein-Polyelectrolyte Nanotubes by Dendritic Cells. <i>Biomacromolecules</i> , 2017 , 18, 4295-4306	6.9	12
186	Scaled down glass transition temperature in confined polymer nanofibers. <i>Nanoscale</i> , 2016 , 8, 14950-5	7.7	26
185	Molecular Engineering of Trifunctional Supported Catalysts for the Aerobic Oxidation of Alcohols. <i>Angewandte Chemie</i> , 2016 , 128, 11210-11214	3.6	8

184	Molecular Engineering of Trifunctional Supported Catalysts for the Aerobic Oxidation of Alcohols. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 11044-8	16.4	41
183	Nanopapers of layer-by-layer nanotubes. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 7651-7661	7.3	12
182	Transparent superhydrophobic coatings from amphiphilic-fluorinated block copolymers synthesized by aqueous polymerization-induced self-assembly. <i>Polymer Chemistry</i> , 2016 , 7, 3998-4003	4.9	35
181	Temperature Dependence of the Surface and Volume Hydrophilicity of Hydrophilic Polymer Brushes. <i>Langmuir</i> , 2016 , 32, 3433-44	4	41
180	Organic ferroelectric/semiconducting nanowire hybrid layer for memory storage. <i>Nanoscale</i> , 2016 , 8, 5968-76	7.7	7
179	Local Maps of the Polarization and Depolarization in Organic Ferroelectric Field-Effect Transistors. <i>Scientific Reports</i> , 2016 , 6, 22116	4.9	12
178	One Click to controlled bifunctional supported catalysts for the Cu/TEMPO-catalyzed aerobic oxidation of alcohols. <i>RSC Advances</i> , 2016 , 6, 36602-36605	3.7	30
177	Effects of geometrical confinement in membrane pores on enzyme-based layer-by-layer assemblies. <i>Applied Surface Science</i> , 2015 , 338, 154-162	6.7	12
176	Universal Method to Transfer Membrane-Templated Nano-Objects to Aqueous Solutions. <i>Langmuir</i> , 2015 , 31, 7264-73	4	12
175	Quantitative Collection and Enzymatic Activity of Glucose Oxidase Nanotubes Fabricated by Templated Layer-by-Layer Assembly. <i>Biomacromolecules</i> , 2015 , 16, 2382-93	6.9	13
174	Two-Step Polarization Switching in Ferroelectric Polymers. <i>Physical Review Letters</i> , 2015 , 115, 267601	7.4	21
173	Effects of Thickness and Grafting Density on the Activity of Polymer-Brush-Immobilized Tris(triazolyl) Copper(I) Catalysts. <i>ChemCatChem</i> , 2015 , 7, 856-864	5.2	9
172	Orientation of lamellar crystals and its correlation with switching behavior in ferroelectric P(VDF-TrFE) ultra-thin films. <i>Polymer</i> , 2014 , 55, 970-977	3.9	19
171	Application of CuAAC for the covalent immobilization of homogeneous catalysts. <i>Tetrahedron</i> , 2014 , 70, 1709-1731	2.4	44
170	Nanoscale design of multifunctional organic layers for low-power high-density memory devices. <i>ACS Nano</i> , 2014 , 8, 3498-505	16.7	36
169	The Ferro- to Paraelectric Curie Transition of a Strongly Confined Ferroelectric Polymer. <i>Macromolecules</i> , 2014 , 47, 4711-4717	5.5	10
168	Hierarchical growth of curved organic nanowires upon evaporation induced self-assembly. <i>Chemical Communications</i> , 2014 , 50, 13216-9	5.8	7
167	Comparison of the density of proteins and peptides grafted on silane layers and polyelectrolyte multilayers. <i>Biomacromolecules</i> , 2014 , 15, 3706-16	6.9	3

166	Layers over layer-by-layer assemblies: silanization of polyelectrolyte multilayers. <i>Langmuir</i> , 2014 , 30, 10057-65	4	1
165	Polythiolactone-based redox-responsive layers for the reversible release of functional molecules. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 22457-66	9.5	22
164	An organic ferroelectric field effect transistor with poly(vinylidene fluoride-co-trifluoroethylene) nanostripes as gate dielectric. <i>Applied Physics Letters</i> , 2014 , 105, 113113	3.4	10
163	Application of original assemblies of polyelectrolytes, urease and electrodeposited polyaniline as sensitive films of potentiometric urea biosensors. <i>Electrochimica Acta</i> , 2014 , 148, 53-61	6.7	27
162	Bioactive Nanoimprint Lithography: A Study of Human Mesenchymal Stem Cell Behavior and Fate. <i>IFMBE Proceedings</i> , 2014 , 1817-1820	0.2	
161	Bioactive chemical nanopatterns impact human mesenchymal stem cell fate. <i>Nano Letters</i> , 2013 , 13, 3923-9	11.5	29
160	Confinement Induced Preferential Orientation of Crystals and Enhancement of Properties in Ferroelectric Polymer Nanowires.. <i>ACS Macro Letters</i> , 2013 , 2, 535-538	6.6	68
159	Structure and Ferroelectric Properties of Nanoimprinted Poly(vinylidene fluoride-ran-trifluoroethylene). <i>Macromolecules</i> , 2013 , 46, 8569-8579	5.5	38
158	Degradation of bare and silanized silicon wafer surfaces by constituents of biological fluids. <i>Journal of Colloid and Interface Science</i> , 2012 , 378, 77-82	9.3	14
157	Optimization of the structural parameters of new potentiometric pH and urea sensors based on polyaniline and a polysaccharide coupling layer. <i>Sensors and Actuators B: Chemical</i> , 2012 , 166-167, 794-801	8.5	15
156	Increased catalytic activity of surface-immobilized palladium complexes in the fluorogenic deprotection of an alloc-derivatized coumarin. <i>Chemistry - A European Journal</i> , 2012 , 18, 788-92	4.8	9
155	Investigation of Thermoresponsive Nano-Confined Polymer Brushes by AFM-Based Force Spectroscopy. <i>Macromolecular Chemistry and Physics</i> , 2012 , 213, 580-586	2.6	8
154	Reversible Photomodulation of the Swelling of Poly(oligo(ethylene glycol) methacrylate) Thermoresponsive Polymer Brushes. <i>Macromolecules</i> , 2012 , 45, 9400-9408	5.5	20
153	Thicker is better? Synthesis and evaluation of well-defined polymer brushes with controllable catalytic loadings. <i>Chemistry - A European Journal</i> , 2012 , 18, 16226-33	4.8	21
152	Grafting control of mainstay terpyridine self-assembled monolayers for the preparation of planar silicon surfaces with variable catalytic loadings. <i>Langmuir</i> , 2012 , 28, 14822-8	4	10
151	Nanoconfined Polyelectrolyte Multilayers: From Nanostripes to Multisegmented Functional Nanotubes 2012 , 613-636		4
150	Domain-Containing Functional Polyelectrolyte Films: Applications to Antimicrobial Coatings and Energy Transfer 2012 , 891-905		
149	Control of swelling of responsive nanogels by nanoconfinement. <i>Small</i> , 2012 , 8, 2978-85	11	8

148	Highly Versatile Approach for Preparing Functional Hybrid Multisegmented Nanotubes and Nanowires. <i>Chemistry of Materials</i> , 2012 , 24, 1562-1567	9.6	21
147	Room temperature atomic layer deposition of Al ₂ O ₃ and replication of butterfly wings for photovoltaic application. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2012 , 30, 01A146	2.9	14
146	Overcurvature describes the buckling and folding of rings from curved origami to foldable tents. <i>Nature Communications</i> , 2012 , 3, 1290	17.4	29
145	Melting and van der Waals Stabilization of PE Single Crystals Grown from Ultrathin Films. <i>Macromolecules</i> , 2011 , 44, 7752-7757	5.5	10
144	Correlation between the structure and wettability of photoswitchable hydrophilic azobenzene monolayers on silicon. <i>Langmuir</i> , 2011 , 27, 9403-12	4	47
143	Template Approach for Novel Magnetic/Ferroelectric Nanocomposites. <i>Applied Physics Express</i> , 2011 , 4, 115001	2.4	13
142	Urea potentiometric enzymatic biosensor based on charged biopolymers and electrodeposited polyaniline. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 4139-45	11.8	71
141	Influence of chain interdiffusion between immiscible polymers on dewetting dynamics. <i>Soft Matter</i> , 2011 , 7, 9951	3.6	20
140	Electrospinning of a functional perfluorinated block copolymer as a powerful route for imparting superhydrophobicity and corrosion resistance to aluminum substrates. <i>Langmuir</i> , 2011 , 27, 335-42	4	77
139	Electrosynthesis of pyrrole 3-carboxylic acid copolymer films and nanotubes with tunable degree of functionalization for biomedical applications. <i>Electrochimica Acta</i> , 2011 , 56, 3641-3648	6.7	10
138	Growth mechanism of confined polyelectrolyte multilayers in nanoporous templates. <i>Langmuir</i> , 2010 , 26, 3350-5	4	51
137	Variation of elastic properties of responsive polymer nanotubes. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 4939-44	3.4	11
136	Surface and bulk collapse transitions of thermoresponsive polymer brushes. <i>Langmuir</i> , 2010 , 26, 838-47	4	77
135	Correlation between superhydrophobicity and the power spectral density of randomly rough surfaces. <i>Langmuir</i> , 2010 , 26, 17798-803	4	18
134	Structural and Charge-Transport Properties of a Liquid-Crystalline π -Disubstituted Thiophene Derivative: A Joint Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 4617-4627	3.8	17
133	Bidimensional Response Maps of Adaptive Thermo- and pH-Responsive Polymer Brushes. <i>Macromolecules</i> , 2010 , 43, 7744-7751	5.5	28
132	Superhydrophobic aluminum surfaces by deposition of micelles of fluorinated block copolymers. <i>Langmuir</i> , 2010 , 26, 2057-67	4	41
131	Control of crystal orientation in soft nanostructures by nanoimprint lithography. <i>Soft Matter</i> , 2010 , 6, 21-28	3.6	56

130	Temperature-responsive polymer brushes switching from bactericidal to cell-repellent. <i>Advanced Materials</i> , 2010 , 22, 5024-8	24	130
129	Photoactuation of droplet motion. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 3262-3	16.4	6
128	Poly(N-isopropylacrylamide) grafted into nanopores: Thermo-responsive behaviour in the presence of different salts. <i>Polymer Degradation and Stability</i> , 2010 , 95, 327-331	4.7	13
127	Ordered polyelectrolyte multilayers: unidirectional FRET cascade in nanocompartmentalized polyelectrolyte multilayers. <i>ChemPhysChem</i> , 2009 , 10, 137-43	3.2	33
126	Regular arrays of highly ordered ferroelectric polymer nanostructures for non-volatile low-voltage memories. <i>Nature Materials</i> , 2009 , 8, 62-7	27	436
125	Direct protein detection with a nano-interdigitated array gate MOSFET. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 3531-7	11.8	31
124	Antibacterial and antifouling polymer brushes incorporating antimicrobial peptide. <i>Bioconjugate Chemistry</i> , 2009 , 20, 71-7	6.3	218
123	Nano-patterned layers of a grafted coumarinic chromophore. <i>Photochemical and Photobiological Sciences</i> , 2008 , 7, 460-6	4.2	10
122	Chain Entropy and Wetting Energy Control the Shape of Nanopatterned Polymer Brushes. <i>Macromolecules</i> , 2008 , 41, 6859-6863	5.5	41
121	Functionalization of magnetic nanowires by charged biopolymers. <i>Biomacromolecules</i> , 2008 , 9, 2517-22	6.9	28
120	Effect of nanoconfinement on the collapse transition of responsive polymer brushes. <i>Nano Letters</i> , 2008 , 8, 3819-24	11.5	80
119	Nanopatterned monolayers of an adsorbed chromophore. <i>Nanotechnology</i> , 2008 , 19, 335303	3.4	
118	Characterization of ultrathin SOI film and application to short channel MOSFETs. <i>Nanotechnology</i> , 2008 , 19, 165703	3.4	12
117	Low-power dihexylquaterthiophene-based thin film transistors for analog applications. <i>Applied Physics Letters</i> , 2008 , 92, 143503	3.4	7
116	Nanocontrolled bending of discotic columns by spiral networks. <i>Small</i> , 2008 , 4, 728-32	11	19
115	Guiding the self-assembly of a second-generation polyphenylene dendrimer into well-defined patterns. <i>Small</i> , 2008 , 4, 1160-7	11	11
114	Oligo(ethylene glycol) monolayers by silanization of silicon wafers: Real nature and stability. <i>Journal of Colloid and Interface Science</i> , 2008 , 324, 118-26	9.3	36
113	Microstructure and thermo-responsive behavior of poly(N-isopropylacrylamide) brushes grafted in nanopores of track-etched membranes. <i>Journal of Membrane Science</i> , 2008 , 308, 75-86	9.6	112

112	Mechanical properties of nanotubes of polyelectrolyte multilayers. <i>European Physical Journal E</i> , 2008 , 25, 343-8	1.5	18
111	Synthesis of gold nanoparticles inside polyelectrolyte brushes. <i>Journal of Materials Chemistry</i> , 2007 , 17, 3433		79
110	Characterization of Long-Chain Aliphatic Polyesters: Crystalline and Supramolecular Structure of PE22,4 Elucidated by X-ray Scattering and Nuclear Magnetic Resonance. <i>Macromolecules</i> , 2007 , 40, 8714-8725	5.5	26
109	Formation of vesicles in block copolymer-fluorinated surfactant complexes. <i>Langmuir</i> , 2007 , 23, 116-22	4	20
108	Resistance of poly(ethylene oxide)-silane monolayers to the growth of polyelectrolyte multilayers. <i>Langmuir</i> , 2007 , 23, 9667-73	4	7
107	Thermo-Responsive Polymer Brushes with Tunable Collapse Temperatures in the Physiological Range. <i>Macromolecules</i> , 2007 , 40, 4403-4405	5.5	168
106	One-step polymer grafting from silicon nitride SPM probes: from isolated chains to brush regime. <i>Journal of the American Chemical Society</i> , 2007 , 129, 8410-1	16.4	20
105	Uniaxial alignment of nanoconfined columnar mesophases. <i>Nano Letters</i> , 2007 , 7, 2627-32	11.5	40
104	Layer-by-Layer Assembly of Polyelectrolytes in Nanopores. <i>Macromolecules</i> , 2007 , 40, 3366-3372	5.5	86
103	High-throughput fabrication of organic nanowire devices with preferential internal alignment and improved performance. <i>Nano Letters</i> , 2007 , 7, 3639-44	11.5	87
102	Atomic force microscopy investigation of the morphology and the biological activity of protein-modified surfaces for bio- and immunosensors. <i>Analytical Chemistry</i> , 2007 , 79, 6488-95	7.8	22
101	Materials characterization of WNxCy, WNx and WCx films for advanced barriers. <i>Microelectronic Engineering</i> , 2007 , 84, 2460-2465	2.5	14
100	Nanodecoding by Dewetting. <i>Advanced Materials</i> , 2007 , 19, 4453-4459	24	37
99	Evaporation induced micellization of poly(2-oxazoline) multiblock copolymers on surfaces. <i>Soft Matter</i> , 2006 , 3, 79-82	3.6	15
98	Layer-by-layer coating of degradable microgels for pulsed drug delivery. <i>Journal of Controlled Release</i> , 2006 , 116, 159-69	11.7	78
97	Surface treatment and characterization: perspectives to electrophoresis and lab-on-chips. <i>Electrophoresis</i> , 2006 , 27, 584-610	3.6	84
96	Nanoconfined Polyelectrolyte Multilayers. <i>Advanced Materials</i> , 2006 , 18, 481-486	24	27
95	Nanopatterned self-assembled monolayers. <i>Nanotechnology</i> , 2006 , 17, 1160-5	3.4	37

94	One step growth of protein antifouling surfaces: monolayers of poly(ethylene oxide) (PEO) derivatives on oxidized and hydrogen-passivated silicon surfaces. <i>Langmuir</i> , 2006 , 22, 1173-81	4	54
93	Extent of plasma damage to porous organosilicate films characterized with nanoindentation, x-ray reflectivity, and surface acoustic waves. <i>Journal of Materials Research</i> , 2006 , 21, 3161-3167	2.5	7
92	The impact of the density and type of reactive sites on the characteristics of the atomic layer deposited WNxCy films. <i>Journal of Applied Physics</i> , 2006 , 99, 063515	2.5	8
91	Solvent-induced morphological transition in core-cross-linked block copolymer micelles. <i>Journal of the American Chemical Society</i> , 2006 , 128, 3784-8	16.4	110
90	Microwave-Assisted Cationic Ring-Opening Polymerization of 2-Oxazolines: A Powerful Method for the Synthesis of Amphiphilic Triblock Copolymers. <i>Macromolecules</i> , 2006 , 39, 4719-4725	5.5	122
89	Glucose-responsive polyelectrolyte capsules. <i>Langmuir</i> , 2006 , 22, 5070-4	4	170
88	First Insights into Electrografted Polymers by AFM-Based Force Spectroscopy. <i>Macromolecules</i> , 2006 , 39, 8428-8433	5.5	33
87	Self-exploding lipid-coated microgels. <i>Biomacromolecules</i> , 2006 , 7, 373-9	6.9	38
86	Nanotemplated crystallization of organic molecules. <i>Small</i> , 2006 , 2, 892-7	11	11
85	Liquid and vapor phase silanes coating for the release of thin film MEMS. <i>IEEE Transactions on Device and Materials Reliability</i> , 2005 , 5, 250-254	1.6	8
84	Tuning the orientation of an antigen by adsorption onto nanostriped templates. <i>Journal of the American Chemical Society</i> , 2005 , 127, 4320-5	16.4	43
83	A theoretical and experimental study of atomic-layer-deposited films onto porous dielectric substrates. <i>Journal of Applied Physics</i> , 2005 , 98, 083515	2.5	15
82	Amphotropic LC Polymers and Their Multilayer Buildup. <i>Macromolecules</i> , 2005 , 38, 9124-9134	5.5	10
81	Kinetics of exchange of alkanethiol monolayers self-assembled on polycrystalline gold. <i>Langmuir</i> , 2005 , 21, 6825-9	4	71
80	Dilution-induced spheres-to-vesicles morphological transition in micelles from block copolymer/surfactant complexes. <i>Journal of the American Chemical Society</i> , 2005 , 127, 6526-7	16.4	63
79	Nanoscale control of polymer crystallization by nanoimprint lithography. <i>Nano Letters</i> , 2005 , 5, 1738-43	11.5	139
78	Partial dewetting of polyethylene thin films on rough silicon dioxide surfaces. <i>Langmuir</i> , 2005 , 21, 7427-32	4	22
77	Study of thermal stability of nickel silicide by X-ray reflectivity. <i>Microelectronic Engineering</i> , 2005 , 82, 492-496	2.5	5

76	Characterization of atomic layer deposited nanoscale structure on dense dielectric substrates by X-ray reflectivity. <i>Microelectronic Engineering</i> , 2005 , 82, 639-644	2.5	5
75	Electrografting of poly(ethylene glycol) acrylate: a one-step strategy for the synthesis of protein-repellent surfaces. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 5505-9	16.4	37
74	Nanoporous Thin Films from Self-Assembled Metallo- Supramolecular Block Copolymers. <i>Advanced Materials</i> , 2005 , 17, 1162-1165	24	93
73	Alignment and assembly of adsorbed collagen molecules induced by anisotropic chemical nanopatterns. <i>Small</i> , 2005 , 1, 984-91	11	71
72	Interface characterization of nanoscale laminate structures on dense dielectric substrates by x-ray reflectivity. <i>Journal of Applied Physics</i> , 2005 , 97, 084316	2.5	18
71	Encoding crystal microstructure and chain folding in the chemical structure of synthetic polymers. <i>Nature Materials</i> , 2004 , 3, 33-7	27	54
70	Layer-by-layer self-assembly of polyelectrolyte and the divalent salt of fluorescein. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004 , 167, 31-35	4.7	24
69	Binary Nanopatterned Surfaces Prepared from Silane Monolayers. <i>Nano Letters</i> , 2004 , 4, 365-371	11.5	129
68	Control of the water permeability of polyelectrolyte multilayers by deposition of charged paraffin particles. <i>Langmuir</i> , 2004 , 20, 4898-902	4	37
67	Morphological Study of Melt-Crystallized Poly(ethylene terephthalate). A. Comparison of Transmission Electron Microscopy and Small-Angle X-ray Scattering of Bulk Samples. <i>Macromolecules</i> , 2004 , 37, 126-134	5.5	34
66	Mechanically Linked Poly(ethylene terephthalate). <i>Macromolecules</i> , 2004 , 37, 7884-7892	5.5	24
65	Morphology and Temperature Phase Transitions in α -Alkanediols with Different Chain Lengths. <i>Macromolecular Symposia</i> , 2004 , 214, 317-338	0.8	8
64	Spinodal-like dewetting of thermodynamically-stable thin polymer films. <i>European Physical Journal E</i> , 2003 , 12, 389-5; discussion 395-6	1.5	54
63	Morphological study of melt-crystallized poly(ethylene terephthalate): B. Thin films. <i>Polymer</i> , 2003 , 44, 8053-8059	3.9	14
62	Staining of poly(ethylene terephthalate) by ruthenium tetroxide. <i>Polymer</i> , 2003 , 44, 3229-3234	3.9	30
61	Chemoselective oxidation of 2-thiomethyl-4,6-dimethyl-pyrimidine and 2-thiobenzyl-4,6-dimethyl-pyrimidine over titania-silica catalysts. <i>Applied Catalysis A: General</i> , 2003 , 242, 77-84	5.1	7
60	Image analysis of transmission electron micrographs of semicrystalline polymers: a comparison with X-ray scattering results. <i>Journal of Applied Crystallography</i> , 2003 , 36, 1019-1025	3.8	15
59	Ordered Polyelectrolyte Multilayers. Effect of Molecular Parameters on the Formation of Hybrid Multilayers Based on Poly(Diallylammonium) Salts and Exfoliated Clay. <i>Chemistry of Materials</i> , 2003 , 15, 3625-3631	9.6	26

58	Ordered polyelectrolyte multilayers. Rules governing layering in organic binary multilayers. <i>Journal of the American Chemical Society</i> , 2003 , 125, 1859-65	16.4	42
57	Polyelectrolyte Multilayers as Nanocontainers for Functional Hydrophilic Molecules. <i>Langmuir</i> , 2003 , 19, 6178-6186	4	41
56	Epitaxial Nucleation of Poly(ethylene terephthalate) by Talc: Structure at the Lattice and Lamellar Scales. <i>Macromolecules</i> , 2003 , 36, 4452-4456	5.5	81
55	Orientation of functional groups in polyelectrolyte multilayers studied by second-harmonic generation (SHG). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002 , 198-200, 275-280	5.1	8
54	Ordered Polyelectrolyte "Multilayers". 5. Photo-Cross-Linking of Hybrid Films Containing an Unsaturated and Hydrophobized Poly(diallylammonium) Salt and Exfoliated Clay. <i>Macromolecules</i> , 2002 , 35, 5004-5012	5.5	30
53	Ordered Polyelectrolyte Multilayers. 4. Internal Structure of Clay-Based Multilayers. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 11246-11252	3.4	21
52	Direct Observation of Crystal-Amorphous Interphase in Lamellar Semicrystalline Poly(ethylene terephthalate). <i>Macromolecules</i> , 2002 , 35, 9813-9818	5.5	54
51	Influence of Charge Density and Distribution on the Internal Structure of Electrostatically Self-assembled Polyelectrolyte Films. <i>Langmuir</i> , 2002 , 18, 1655-1660	4	17
50	Influence of Polyelectrolyte Charge Density on the Formation of Multilayers of Strong Polyelectrolytes at Low Ionic Strength. <i>Langmuir</i> , 2002 , 18, 1408-1412	4	158
49	Polymeric films from the alternating chemisorption of poly(vinylbenzylchloride) and a 4?-hydroxystilbazole dye. <i>Materials Science and Engineering C</i> , 2001 , 18, 239-242	8.3	2
48	Melt properties and crystal morphology of polydodecamide plasticized by benzenesulfonamides. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001 , 39, 2022-2034	2.6	7
47	Characterization of the molecular structure of two highly isotactic polypropylenes. <i>Polymer</i> , 2001 , 42, 1953-1967	3.9	42
46	Ordered Polyelectrolyte Multilayers. 1. Mechanisms of Growth and Structure Formation: A Comparison with Classical Fuzzy Multilayers. <i>Macromolecules</i> , 2001 , 34, 3318-3330	5.5	115
45	Probing Thermoplastic Matrix-Carbon Fiber Interphases. 1. Preferential Segregation of Low Molar Mass Chains to the Interface. <i>Macromolecules</i> , 2001 , 34, 3725-3729	5.5	16
44	Ordered Polyelectrolyte Multilayers. 3. Complexing Clay Platelets with Polycations of Varying Structure. <i>Macromolecules</i> , 2001 , 34, 5267-5274	5.5	51
43	Ultrathin polymer coatings by complexation of polyelectrolytes at interfaces: suitable materials, structure and properties. <i>Macromolecular Rapid Communications</i> , 2000 , 21, 319-348	4.8	1062
42	The crystallization of poly(aryl-ether-ether-ketone) (PEEK): reorganization processes during gradual reheating of cold-crystallized samples. <i>Polymer</i> , 2000 , 41, 3719-3727	3.9	21
41	Segregation Phenomena in Thin Films of Strongly Asymmetric Diblock Copolymers Deposited onto Solid Substrates. <i>Macromolecules</i> , 2000 , 33, 4877-4885	5.5	1

40	An Attempt To Separate Roughness from Interdiffusion in the Interfacial Broadening between Two Immiscible Polymers. <i>Macromolecules</i> , 2000 , 33, 3031-3041	5.5	6
39	PEEK Oligomers as Physical Model Compounds for the Polymer. 4. Lamellar Microstructure and Chain Dynamics.. <i>Macromolecules</i> , 2000 , 33, 562-568	5.5	12
38	Polyelectrolytes bearing azobenzenes for the functionalization of multilayers. <i>Macromolecular Symposia</i> , 1999 , 137, 1-24	0.8	22
37	Roughness of free surfaces of bulk amorphous polymers as studied by x-ray surface scattering and atomic force microscopy. <i>Physical Review B</i> , 1999 , 60, 5883-5894	3.3	24
36	Sequences distribution of poly(ethylene terephthalate-isophthalate) copolymers: Experimental TREF study and numerical simulation. <i>Macromolecular Symposia</i> , 1999 , 148, 59-75	0.8	9
35	Atomic force microscopy imaging of single polymer spherulites during crystallization: application to a semi-crystalline blend. <i>Polymer</i> , 1999 , 40, 5899-5905	3.9	27
34	Adaptation of the Rietveld method to the characterization of the lamellar microstructure of polymers. 2. Influence of a tilt of chain axes versus the normal to basal planes of crystalline lamellae. <i>Journal of Applied Crystallography</i> , 1999 , 32, 497-504	3.8	2
33	Diamond formation by thermal activation of graphite. <i>Nature</i> , 1999 , 402, 162-165	50.4	54
32	Synthesis and bulk characterization of new P(CB-b-S) diblock copolymers. <i>Journal of Polymer Science Part A</i> , 1999 , 37, 233-244	2.5	7
31	Density Perturbations in Polymers Near a Solid Substrate: An X-ray Reflectivity Study. <i>Macromolecules</i> , 1999 , 32, 4719-4724	5.5	47
30	Interdependencies between the Evolution of Amorphous and Crystalline Regions during Isothermal Cold Crystallization of Poly(ether-ether-ketone). <i>Macromolecules</i> , 1999 , 32, 1582-1592	5.5	40
29	Structural studies on thin organic coatings built by repeated adsorption of polyelectrolytes. <i>Progress in Organic Coatings</i> , 1998 , 34, 108-118	4.8	25
28	Vitrification/devitrification phenomena during isothermal and nonisothermal crystallization of poly(aryl-ether-ether-ketone) (PEEK) and PEEK/poly(ether-imide) blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1998 , 36, 919-930	2.6	16
27	Blends of polycarbonate and acrylic polymers: Crystallization of polycarbonate. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1998 , 36, 2197-2210	2.6	25
26	A comparison of the Relaxation of amorphous poly(aryl-ether-ether-ketone) (PEEK) probed by dielectric and dynamic mechanical analysis. <i>Polymer</i> , 1998 , 39, 3577-3581	3.9	4
25	Y-type Langmuir-Blodgett Films of 2,3-Bis((2-hydroxyethyl)oxy)-6,7,10,11-tetrakis(pentyloxy)triphenylene: An X-ray Reflection Study. <i>Langmuir</i> , 1998 , 14, 5250-5254	4	8
24	The Semicrystalline Morphology of Poly(ether-ether-ketone) Blends with Poly(ether-imide). <i>Macromolecules</i> , 1998 , 31, 5352-5362	5.5	33
23	Isothermal Growth and Reorganization upon Heating of a Single Poly(aryl-ether-ether-ketone) (PEEK) Spherulite, As Imaged by Atomic Force Microscopy. <i>Macromolecules</i> , 1998 , 31, 4546-4550	5.5	42

22	Characterization of polyacrylonitrile films grafted onto nickel by ellipsometry, atomic force microscopy and X-ray reflectivity. <i>Thin Solid Films</i> , 1997 , 310, 148-155	2.2	15
21	Dielectric properties of PET below its glass transition temperature. <i>Microelectronic Engineering</i> , 1997 , 33, 377-384	2.5	4
20	Adaptation of the Rietveld Method for the Characterization of the Lamellar Microstructure of Polymers. <i>Journal of Applied Crystallography</i> , 1997 , 30, 921-931	3.8	5
19	A New Technique for Assembling Thin, Defined Multilayers. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 2788-2791		19
18	Crystalline structure of poly(methyl-n-propylsilane). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1997 , 35, 1533-1543	2.6	16
17	Poly(methylphenyl) silane: Structural properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1997 , 35, 1727-1736	2.6	12
16	Transmission electron microscopy studies on selectively stained poly(aryl-ether-ether-ketone)/poly(ether-imide) semicrystalline blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1997 , 35, 2565-2570	2.6	10
15	ToF-SIMS study of alternate polyelectrolyte thin films: Chemical surface characterization and molecular secondary ions sampling depth. <i>Surface Science</i> , 1996 , 366, 149-165	1.8	73
14	Polyelectrolyte complexes at interfaces. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1996 , 100, 1033-1038 ₃₁		
13	A new route to thin polymeric, non-centrosymmetric coatings. <i>Thin Solid Films</i> , 1996 , 284-285, 334-337	2.2	54
12	High temperature polymer nanofoams based on amorphous, high Tg polyimides. <i>Polymer</i> , 1995 , 36, 987-1002	3.0	47
11	Synchrotron X-ray Scattering Studies of Crystallization of Poly(ether-ether-ketone) from the Glass and Structural Changes during Subsequent Heating-Cooling Processes. <i>Macromolecules</i> , 1995 , 28, 8491-8503	5.5	104
10	Time-resolved SAXS studies of morphological changes in cold crystallized poly(ethylene terephthalate) during annealing and heating. <i>Colloid and Polymer Science</i> , 1994 , 272, 1344-1351	2.4	45
9	PEEK oligomers: a model for the polymer physical behavior. 2. Structure and thermal behavior of linear monodisperse oligomers. <i>Macromolecules</i> , 1993 , 26, 526-538	5.5	12
8	PEEK oligomers: a model for polymer physical behavior. 3. Nature of oligomers in the PEEK polymer. <i>Macromolecules</i> , 1993 , 26, 2674-2678	5.5	18
7	Relation between PEEK semicrystalline morphology and its subglass relaxations and glass transition. <i>Macromolecules</i> , 1993 , 26, 813-824	5.5	91
6	Crystallization and chain adsorption of poly(etheretherketone) in discontinuous pitch-derived carbon fiber composites. <i>Polymer Composites</i> , 1993 , 14, 491-502	3	3
5	PEEK oligomers: a model for the polymer physical behavior. 1. Synthesis and characterization of linear monodisperse oligomers. <i>Macromolecules</i> , 1992 , 25, 5841-5850	5.5	9

4	Differential scanning calorimetry and infra-red crystallinity determinations of poly(aryl ether ether ketone). <i>Polymer</i> , 1991 , 32, 3364-3370	3.9	48
3	Thermal stability and crystallization of poly(aryl ether ether ketone). <i>Polymer</i> , 1991 , 32, 2691-2706	3.9	104
2	Strong electron-phonon coupling from thermal conductivity measurements in a YBa ₂ Cu ₃ O ₇ -type superconducting compound. <i>Solid State Communications</i> , 1987 , 63, 983-986	1.6	56
1	Encapsulation of Commensal Skin Bacteria within Membrane-in-Gel Patches. <i>Advanced Materials Interfaces</i> , 2102261	4.6	0