

# Michael WÃ¼bbenhorst

## List of Publications by Year in descending order

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190  
papers

6,026  
citations

81434

41  
h-index

97045

71  
g-index

194  
all docs

194  
docs citations

194  
times ranked

5290  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low Cost, Sensitive Impedance Detection of <i>E. coli</i> Bacteria in Food Matrix Samples Using Surface-Imprinted Polymers as Whole-Cell Receptors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2022, 219, 2100405.	0.8	5
2	Structure-property relationships in three-phase relaxor-ferroelectric terpolymers. <i>Ferroelectrics</i> , 2022, 586, 60-81.	0.3	4
3	Multiple Phase Transitions and Temperature Dependent Ionic Conductivity of the Plastic Crystal Trioctylammonium Triflate Studied by Dielectric Spectroscopy and Calorimetry. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2022, , 1-1.	1.8	1
4	Ionic strength tunes yeast viscoelasticity and promotes trace-level cell detection. <i>Physics in Medicine</i> , 2022, 14, 100049.	0.6	3
5	Tuning the Relaxor-Ferroelectric Properties of Poly(vinylidene) Fluoride-Based Micro- and Nanostructures. <i>Macromolecules</i> , 2022, 55, 5621-5635.	2.2	3
6	Complementarity of mDSC, DMA, and DRS Techniques in the Study of $T_g$ and Sub- $T_g$ Transitions in Amorphous Solids: PVPVA, Indomethacin, and Amorphous Solid Dispersions Based on Indomethacin/PVPVA. <i>Molecular Pharmaceutics</i> , 2022, 19, 2299-2315.	2.3	8
7	Cobalt-embedded 3D conductive honeycomb architecture to enable high-sulphur-loading Li-S batteries under lean electrolyte conditions. <i>Nano Research</i> , 2022, 15, 8091-8100.	5.8	10
8	Synchronized, Spontaneous, and Oscillatory Detachment of Eukaryotic Cells: A New Tool for Cell Characterization and Identification. <i>Advanced Science</i> , 2022, 9, .	5.6	4
9	Ionic strength controls long-term cell-surface interactions – A QCM-D study of <i>S. cerevisiae</i> adhesion, retention and detachment. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 583-595.	5.0	12
10	The Dielectric Behavior of Human ex vivo Cochlear Perilymph. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2021, 28, 932-937.	1.8	2
11	Detection of yeast strains by combining surface-imprinted polymers with impedance-based readout. <i>Sensors and Actuators B: Chemical</i> , 2021, 340, 129917.	4.0	13
12	Non-linear dielectric spectroscopy for detecting and evaluating structure-property relations in a P(VDF-TrFE-CFE) relaxor-ferroelectric terpolymer. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	4
13	Phase-dependent dielectric properties and proton conduction of neopentyl glycol. <i>RSC Advances</i> , 2021, 11, 23228-23234.	1.7	2
14	Dielectric Probes: A Versatile Tool for the Study of Molecular Dynamics in Polymers. <i>ACS Symposium Series</i> , 2021, , 105-129.	0.5	0
15	Electrothermal Color Tuning of Cholesteric Liquid Crystals Using Interdigitated Electrode Patterns. <i>Advanced Electronic Materials</i> , 2021, 7, 2000958.	2.6	13
16	An imaging study and spectroscopic curing analysis on polymers for synthetic whole-cell receptors for bacterial detection. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SD0802.	0.8	2
17	Manganese dioxide nanosheet functionalized reduced graphene oxide as a compacted cathode matrix for lithium-sulphur batteries with a low electrolyte/sulphur ratio. <i>Journal of Materials Chemistry A</i> , 2020, 8, 21824-21832.	5.2	22
18	The mystery behind the mid-temperature transition(s) in vinylidene fluoride-based homo-, co- and terpolymers – has the puzzle been solved?. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2020, 27, 1446-1464.	1.8	3

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19	Remotely Controlling the Crystallization of Thin Polymer Coatings. <i>Macromolecules</i> , 2020, 53, 4882-4888.	2.2	8
20	Transient dynamics of cold-rolled and subsequently thermally rejuvenated atactic polystyrene using broadband dielectric spectroscopy. <i>Journal of Polymer Science</i> , 2020, 58, 1998-2009.	2.0	4
21	QCM-D Study of Time-Resolved Cell Adhesion and Detachment: Effect of Surface Free Energy on Eukaryotes and Prokaryotes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 18258-18272.	4.0	43
22	Research on political instability, uncertainty and risk during 1953-2019: a scientometric review. <i>Scientometrics</i> , 2020, 123, 1051-1076.	1.6	19
23	Understanding the Dehydration Stress in Lipid Vesicles by a Combined Quartz Crystal Microbalance and Dielectric Spectroscopy Study. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 1900986.	0.8	4
24	Physicochemical study of diethylmethylammonium methanesulfonate under anhydrous conditions. <i>Journal of Chemical Physics</i> , 2020, 152, 234504.	1.2	8
25	Density of Obstacles Affects Diffusion in Adsorbed Polymer Layers. <i>ACS Macro Letters</i> , 2020, 9, 318-322.	2.3	13
26	Towards a catheter-based impedimetric sensor for the assessment of intestinal histamine levels in IBS patients. <i>Biosensors and Bioelectronics</i> , 2020, 158, 112152.	5.3	13
27	Effect of low-temperature physical aging on the dynamic transitions of atactic polystyrene in the glassy state. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 1394-1401.	2.4	12
28	Sensitive and specific detection of <i>E. coli</i> using biomimetic receptors in combination with a modified heat-transfer method. <i>Biosensors and Bioelectronics</i> , 2019, 136, 97-105.	5.3	43
29	A compact device for simultaneous dielectric spectroscopy and microgravimetric analysis under controlled humidity. <i>Review of Scientific Instruments</i> , 2019, 90, 125106.	0.6	1
30	Cell detection by surface imprinted polymers SIPs: A study to unravel the recognition mechanisms. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 907-917.	4.0	41
31	Increasing Membrane Permeability by Increasing the Polymer Crystallinity: The Unique Case of Polythiophenes. <i>Macromolecules</i> , 2018, 51, 9943-9950.	2.2	8
32	A Novel Modular Device for Biological Impedance Measurements: The Differential Impedimetric Sensor Cell (DISC). <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1701029.	0.8	3
33	Cell detection by surface imprinted polymers (SIPs) - A study of the sensor surface by optical and dielectric relaxation spectroscopy. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018, 25, 816-821.	1.8	7
34	Local polarization switching kinetics in thin-film P(VDF-TrFE) (76:24) studied by time-resolved LIMM. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018, 25, 835-839.	1.8	1
35	Electrets and related phenomena. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018, 25, 757-758.	1.8	0
36	Tuning the phase separated morphology and resulting electrical conductivity of carbon nanotube filled PI-MSAN/PMMA blends by compatibilization with a random or block copolymer. <i>Polymer</i> , 2017, 108, 483-492.	1.8	19

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37	Investigation of Synthetic Spider Silk Crystallinity and Alignment via Electrothermal, Pyroelectric, Literature XRD, and Tensile Techniques. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1600480.	1.7	9
38	Dielectric Properties of Phase-Separated Blends Containing a Microcapacitor Network of Carbon Nanotubes: Compatibilization by a Random or Block Copolymer. <i>Macromolecules</i> , 2017, 50, 3855-3867.	2.2	19
39	Polarization loss in the organic ferroelectric trialkylbenzene-1,3,5-tricarboxamide (BTA). <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 3192-3200.	1.3	16
40	Special issue of the IEEE transactions on dielectrics and electrical insulation electrets and related phenomena. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017, 24, 1974-1974.	1.8	0
41	Peculiar orientational disorder in 4-bromo-4-nitrobiphenyl (BNBP) and 4-bromo-4-cyanobiphenyl (BCNBP) leading to bipolar crystals. <i>IUCr</i> , 2016, 3, 219-225.	1.0	4
42	True ferroelectric switching in thin films of trialkylbenzene-1,3,5-tricarboxamide (BTA). <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23663-23672.	1.3	34
43	Polymer Electrets and Ferroelectrets as EAPs: Characterization. , 2016, , 591-623.		3
44	Guanidinium nonaflate as a solid-state proton conductor. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12241-12252.	5.2	43
45	Polymer Electrets and Ferroelectrets as EAPs: Characterization. , 2016, , 1-33.		0
46	Glass Transition Dynamics and Crystallization Kinetics in the Smectic Liquid Crystal 4-Butyloxybenzylidene-4-octylaniline (BBOA). <i>Journal of Physical Chemistry B</i> , 2016, 120, 12160-12167.	1.2	19
47	Switchable Charge Injection Barrier in an Organic Supramolecular Semiconductor. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 15535-15542.	4.0	21
48	Second harmonic generation microscopy reveals hidden polar organization in fluoride doped MIL-53(Fe). <i>Dalton Transactions</i> , 2016, 45, 4401-4406.	1.6	19
49	How Supramolecular Assemblies Control Dynamics of Associative Polymers: Toward a General Picture. <i>Macromolecules</i> , 2016, 49, 1890-1902.	2.2	54
50	Effect of Compatibilization on Interfacial Polarization and Intrinsic Length Scales in Biphasic Polymer Blends of PI±MSAN and PMMA: A Combined Experimental and Modeling Dielectric Study. <i>Macromolecules</i> , 2016, 49, 1464-1478.	2.2	22
51	Dielectric and specific heat relaxations in vapor deposited glycerol. <i>Journal of Chemical Physics</i> , 2015, 143, 244504.	1.2	17
52	Enhancing the conductivity of carbon nanotube filled blends by tuning their phase separated morphology with a copolymer. <i>Polymer</i> , 2015, 79, 271-282.	1.8	20
53	1,2,4-Triazolium perfluorobutanesulfonate as an archetypal pure protic organic ionic plastic crystal electrolyte for all-solid-state fuel cells. <i>Energy and Environmental Science</i> , 2015, 8, 1276-1291.	15.6	134
54	Asymmetric polarization and hysteresis behaviour in ferroelectric P(VDFâ€“TrFE) (76%â€“24) copolymer thin films spatially resolved via LIMM. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 7767-7774.	1.3	14

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55	Polar Nature of Biomimetic Fluorapatite/Gelatin Composites: A Comparison of Bipolar Objects and the Polar State of Natural Tissue. <i>Biomacromolecules</i> , 2015, 16, 2814-2819.	2.6	16
56	Polarization domain information on insect wing chitin using the scanning pyroelectric microscope (SPEM). <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2015, 22, 1394-1400.	1.8	10
57	Spontaneous Polarization in Bio-organic Materials Studied by Scanning Pyroelectric Microscopy (SPEM) and Second Harmonic Generation Microscopy (SHGM). <i>International Journal of Thermophysics</i> , 2015, 36, 819-828.	1.0	0
58	1D Confinement Stabilizes Non-equilibrium Liquid Phase with Enhanced Orientational Order. <i>Soft and Biological Matter</i> , 2015, , 227-244.	0.3	0
59	Ultrathin polymer films by single molecule deposition. <i>Journal of Non-Crystalline Solids</i> , 2015, 407, 270-276.	1.5	4
60	Effect of multiwall carbon nanotubes on the phase separation of concentrated blends of poly[(1±-methyl styrene)-co-acrylonitrile] and poly(methyl methacrylate) as studied by melt rheology and conductivity spectroscopy. <i>European Polymer Journal</i> , 2014, 53, 253-269.	2.6	28
61	Crystallization of Poly(lactide) Confined in Ultrathin Films: Competition between Finite Size Effects and Irreversible Chain Adsorption. <i>Macromolecules</i> , 2014, 47, 2354-2360.	2.2	76
62	Deviations from Bulk Glass Transition Dynamics of Small Molecule Glass Formers: Some Scenarios in Relation to the Dimensionality of the Confining Geometry. <i>Advances in Dielectrics</i> , 2014, , 247-277.	1.2	6
63	Anomalous Decoupling of Translational and Rotational Motion Under 1D Confinement, Evidences from Crystallization and Diffusion Experiments. <i>Advances in Dielectrics</i> , 2014, , 279-306.	1.2	3
64	Crystallization of thin polymer layers confined between two adsorbing walls. <i>ACS Macro Letters</i> , 2013, 2, 168-172.	2.3	94
65	High sensitivity scanning pyroelectric microscope: Interdigitated comb electrodes and advanced image processing. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2012, 19, 1186-1190.	1.8	9
66	Can Thickness and Interfacial Interactions Univocally Determine the Behavior of Polymers Confined at the Nanoscale?. <i>ACS Macro Letters</i> , 2012, 1, 1189-1193.	2.3	164
67	Supercooled liquids with enhanced orientational order. <i>Nature Communications</i> , 2012, 3, 1233.	5.8	59
68	Electrets and related phenomena. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2012, 19, 1093-1093.	1.8	0
69	Polar Switching in Trialkylbenzene-1,3,5-tricarboxamides. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3928-3937.	1.2	83
70	Relaxation processes and intermolecular interactions in PVME hydrogels in sub-zero temperatures: Glass transition and pre-melting of ice. <i>Polymer</i> , 2012, 53, 161-168.	1.8	6
71	Observation of permanent polarization distributions in bioorganic materials using a highly sensitive scanning pyroelectric microscope. , 2011, , .		0
72	Probing interfacial mobility profiles via the impact of nanoscopic confinement on the strength of the dynamic glass transition. <i>Soft Matter</i> , 2011, 7, 5260.	1.2	72

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73	The lifetime of the deviations from bulk behaviour in polymers confined at the nanoscale. Nature Communications, 2011, 2, .	5.8	386
74	Adsorption Kinetics of Ultrathin Polymer Films in the Melt Probed by Dielectric Spectroscopy and Second-Harmonic Generation. Langmuir, 2011, 27, 13533-13538.	1.6	77
75	Effect of Thermally Reduced Graphene Sheets on the Phase Behavior, Morphology, and Electrical Conductivity in Poly[( $\pm$ -methyl styrene)-co-(acrylonitrile)]/poly(methyl-methacrylate) Blends. ACS Applied Materials & Interfaces, 2011, 3, 3172-3180.	4.0	66
76	Spirooxazine Photoisomerization and Relaxation in Polymer Matrices. International Journal of Polymer Science, 2011, 2011, 1-6.	1.2	10
77	Thermally induced phase separation in P $\pm$ MSAN/PMMA blends in presence of functionalized multiwall carbon nanotubes: Rheology, morphology and electrical conductivity. Polymer, 2011, 52, 4480-4489.	1.8	27
78	Is the Reduction in Tracer Diffusivity under Nanoscopic Confinement Related to a Frustrated Segmental Mobility?. Macromolecular Rapid Communications, 2011, 32, 844-848.	2.0	35
79	Exploiting interfacial polarization to detect phase transitions in dilute solutions: Crystallization and melting of P3HT in toluene down to ppm contents. Polymer, 2011, 52, 239-242.	1.8	4
80	Observation of permanent polarization distributions in bio-organic materials using a highly sensitive Scanning Pyroelectric Microscope. , 2011, , .		0
81	Dynamics in ultrathin liquid films studied by simultaneous dielectric spectroscopy (DRS) and organic molecular beam deposition (OMBD). European Physical Journal: Special Topics, 2010, 189, 181-186.	1.2	8
82	Structural relaxation and dynamic fragility of freely standing polymer films. Polymer, 2010, 51, 5309-5312.	1.8	81
83	Alignment and Relaxation Dynamics of Dye Molecules in Host $\hat{=}$ Guest Inclusion Compounds As Probed by Dielectric Spectroscopy. Journal of Physical Chemistry A, 2010, 114, 6956-6963.	1.1	12
84	Distribution of Segmental Mobility in Ultrathin Polymer Films. Macromolecules, 2010, 43, 8686-8691.	2.2	80
85	Enhanced Mechanical Relaxation below the Glass Transition Temperature in Partially Supramolecular Networks. Macromolecules, 2010, 43, 8664-8669.	2.2	29
86	Dynamics of the Crystal to Plastic Crystal Transition in the Hydrogen Bonded $\langle i \rangle N \langle /i \rangle$ -Isopropylpropionamide. Journal of Physical Chemistry B, 2010, 114, 13944-13949.	1.2	20
87	Unusual Deviations from Bulk Behavior in Ultrathin Films of Poly( $\langle i \rangle$ tert $\langle /i \rangle$ -butylstyrene): Can Dead Layers Induce a Reduction of $\langle i \rangle T \langle /i \rangle$ $\langle \text{sub} \rangle g \langle /sub \rangle$ ?. ACS Nano, 2010, 4, 841-848.	7.3	97
88	Piezo- and pyroelectric microscopy. Current Opinion in Solid State and Materials Science, 2010, 14, 107-115.	5.6	46
89	Phase Separation as a Tool to Control Dispersion of Multiwall Carbon Nanotubes in Polymeric Blends. ACS Applied Materials & Interfaces, 2010, 2, 800-807.	4.0	94
90	Structural Relaxation in Nanometer Thin Layers of Glycerol. Journal of Physical Chemistry C, 2010, 114, 16696-16699.	1.5	33

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91	Segmental Mobility and Glass Transition Temperature of Freely Suspended Ultrathin Polymer Membranes. <i>Macromolecules</i> , 2009, 42, 1415-1417.	2.2	90
92	Thermotropic Phase Behavior of Trialkyl Cyclohexanetriamides. <i>Journal of Physical Chemistry B</i> , 2009, 113, 14158-14164.	1.2	23
93	Temperature dependence of the electrical conductivity of imidazolium ionic liquids. <i>Journal of Chemical Physics</i> , 2008, 128, 064509.	1.2	169
94	Modeling Dielectric Relaxation in Polymer Glass Simulations: Dynamics in the Bulk and in Supported Polymer Films. <i>Macromolecules</i> , 2008, 41, 7729-7743.	2.2	66
95	Polarity formation in molecular crystals studied by scanning pyroelectric microscopy. , 2008, , .		0
96	Temperature Dependence of the Deviations from Bulk Behavior in Ultrathin Polymer Films. <i>Macromolecules</i> , 2008, 41, 1061-1063.	2.2	78
97	Dielectric pretransitional effects in the isotropic phase of chiral liquid crystals. <i>Liquid Crystals</i> , 2007, 34, 749-759.	0.9	8
98	Monitoring the cold crystallization of poly(3-hydroxy butyrate) via dielectric spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 4357-4361.	1.5	36
99	Optical and broadband dielectric investigations of photochromic polymethacrylates. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 4303-4312.	1.5	7
100	Effect of a Reduced Mobility Layer on the Interplay between Molecular Relaxations and Diffusion-Limited Crystallization Rate in Ultrathin Polymer Films. <i>Journal of Physical Chemistry B</i> , 2007, 111, 5775-5780.	1.2	58
101	Molecular Dynamics of Atactic Poly(propylene) Investigated by Broadband Dielectric Spectroscopy. <i>Macromolecules</i> , 2007, 40, 1786-1788.	2.2	32
102	Dielectric Signature of a Dead Layer in Ultrathin Films of a Nonpolar Polymer. <i>Journal of Physical Chemistry B</i> , 2007, 111, 9197-9199.	1.2	99
103	Deviation from bulk behaviour in the cold crystallization kinetics of ultrathin films of poly(3-hydroxybutyrate). <i>Journal of Physics Condensed Matter</i> , 2007, 19, 205121.	0.7	21
104	Vapor diffusion in porous/nonporous polymer coatings by dielectric sorption analysis. <i>Journal of Applied Polymer Science</i> , 2007, 105, 1471-1479.	1.3	8
105	Structure and Dynamics of a Discotic Liquid-Crystalline Charge-Transfer Complex. <i>ChemPhysChem</i> , 2007, 8, 1338-1344.	1.0	29
106	Water sorption in UV degraded clear and pigmented epoxy coatings assessed by dielectric sorption analysis. <i>Polymer Degradation and Stability</i> , 2007, 92, 1247-1254.	2.7	8
107	Dielectric sorption analysis of pigmented epoxy coatings UV degraded at elevated pressures. <i>Polymer Degradation and Stability</i> , 2007, 92, 1857-1866.	2.7	1
108	Physical crosslinking effects in $\hat{\pm}$ , $\hat{\imath}$ %-dihydroxy terminated polybutadienes. <i>Polymer</i> , 2007, 48, 2079-2086.	1.8	8

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109	Dielectric Spectroscopy of Water Confined Between Aerosil Nanoparticles and in Vycor Nanoporous Glass. <i>International Journal of Thermophysics</i> , 2007, 28, 616-628.	1.0	6
110	Slowing Down of the Crystallization Kinetics in Ultrathin Polymer Films: A Size or an Interface Effect?. <i>Macromolecules</i> , 2006, 39, 5967-5970.	2.2	110
111	Scanning pyroelectric microscopy revealing the spatial polarity distribution in topologically centric crystals of trans-4-chloro-4-nitrostilbene. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 4132.	1.3	15
112	Fullerene-Modified Poly(2,6-dimethyl-1,4-phenylene oxide) Gas Separation Membranes: Why Binding Is Better than Dispersing. <i>Macromolecules</i> , 2006, 39, 9234-9242.	2.2	45
113	Dynamics of T2G2Helices in Atactic and Syndiotactic Polystyrene: A New Evidence from Dielectric Spectroscopy and FTIR. <i>Macromolecules</i> , 2006, 39, 5152-5158.	2.2	34
114	Cooperative and non-cooperative dynamics in ultra-thin films of polystyrene studied by dielectric spectroscopy and capacitive dilatometry. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 5594-5600.	1.5	86
115	Photochromism and diffraction grating in cyanoazobenzene polymer films. , 2006, , .		2
116	Optical and dielectric characteristics of photochromic hybrid sol-gel materials. <i>Journal of Sol-Gel Science and Technology</i> , 2006, 40, 39-44.	1.1	6
117	A Wavelength-Shifting Fluorescent Probe for Investigating Physical Aging. <i>Macromolecules</i> , 2006, 39, 224-231.	2.2	29
118	Dielectric water sorption analysis. <i>Review of Scientific Instruments</i> , 2006, 77, 115107.	0.6	16
119	(trans)-4-Chloro-4'-nitrostilbene a detailed structure analysis of a polar material. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2006, 62, s72-s72.	0.3	0
120	Distribution of oil in olefinic thermoplastic elastomer blends. <i>Polymer</i> , 2005, 46, 6391-6401.	1.8	64
121	Dielectric spectroscopy using dielectric probes: a new approach to study glass transition dynamics in immiscible apolar polymer blends. <i>Polymer</i> , 2005, 46, 6064-6074.	1.8	40
122	Specific heat and dielectric relaxations in ultra-thin polystyrene layers. <i>Thermochimica Acta</i> , 2005, 432, 222-228.	1.2	89
123	Kinetics of phase transitions and dielectric relaxations in poly-bis(trifluoroethoxy- phosphazene) (PBFP). <i>Journal of Materials Science</i> , 2005, 40, 1661-1671.	1.7	9
124	Amorphous-amorphous transition in glassy polymers subjected to cold rolling studied by means of positron annihilation lifetime spectroscopy. <i>Journal of Chemical Physics</i> , 2005, 122, 064702.	1.2	23
125	Prediction of Growth-Induced Polarity in Centrosymmetric Molecular Crystals Using Force Field Methods. <i>Chemistry of Materials</i> , 2005, 17, 85-94.	3.2	19
126	Characteristic size of molecular dynamics in polymers probed by dielectric probes of variable length. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 2694-2702.	1.5	49



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127	Diffusion mechanism for physical aging of polycarbonate far below the glass transition temperature studied by means of dielectric spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 2605-2610.	1.5	33
128	Multiple glass transitions in the plastic crystal phase of triphenylene derivatives. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 2622-2628.	1.5	37
129	Relaxation of Free Volume in Polycarbonate and Polystyrene Studied by Positron Annihilation Lifetime Spectroscopy. <i>Acta Physica Polonica A</i> , 2005, 107, 690-696.	0.2	7
130	Dynamics of polycarbonate far below the glass transition temperature: $\mu$ SR positron annihilation lifetime study. <i>Physical Review B</i> , 2004, 69, .	1.1	38
131	Positron Annihilation Lifetime Spectroscopy to Study the Structural Relaxation of PC Far Below the Glass Transition Temperature. <i>Materials Science Forum</i> , 2004, 445-446, 271-273.	0.3	2
132	Dynamics and Phase Transitions in Discotic and Calamitic Liquid Crystal Side-chain Polymers. <i>Molecular Crystals and Liquid Crystals</i> , 2004, 411, 503-513.	0.4	3
133	Orientational properties and dynamics of nematic liquid crystals mixed with dendrimers for electro-optical switches. <i>Liquid Crystals</i> , 2004, 31, 1207-1218.	0.9	16
134	Physical aging of polycarbonate far below the glass transition temperature: Evidence for the diffusion mechanism. <i>Physical Review B</i> , 2004, 70, .	1.1	66
135	Dielectric and Fluorescent Probes To Investigate Glass Transition, Melt, and Crystallization in Polyolefins. <i>Macromolecules</i> , 2004, 37, 2460-2470.	2.2	85
136	Thickness dependence of the dynamics in thin films of isotactic poly (methylmethacrylate). <i>European Physical Journal E</i> , 2003, 12, 97-101.	0.7	27
137	Dielectric relaxations in ultrathin isotactic PMMA films and PS-PMMA-PS trilayer films. <i>European Physical Journal E</i> , 2003, 12, 109-112.	0.7	41
138	Accumulation of charges in polycarbonate due to positron irradiation. <i>Radiation Physics and Chemistry</i> , 2003, 68, 507-510.	1.4	14
139	A dielectric study on the relaxation and switching behaviour of liquid crystals confined within a colloidal network. <i>Liquid Crystals</i> , 2003, 30, 235-249.	0.9	21
140	Photocurrent generation of bi-functional carbazole containing polymers. <i>Synthetic Metals</i> , 2003, 139, 515-520.	2.1	22
141	Photothermal imaging of localized delamination between organic coatings and metallic substrates using a scanning photopyroelectric microscope. <i>Journal of Applied Physics</i> , 2003, 93, 2019-2027.	1.1	11
142	Analysis of complex dielectric spectra. I. One-dimensional derivative techniques and three-dimensional modelling. <i>Journal of Non-Crystalline Solids</i> , 2002, 305, 40-49.	1.5	484
143	Analysis of complex dielectric spectra. II: Evaluation of the activation energy landscape by differential sampling. <i>Journal of Non-Crystalline Solids</i> , 2002, 305, 50-58.	1.5	81
144	Ultralow-k Dielectrics Made by Supercritical Foaming of Thin Polymer Films. <i>Advanced Materials</i> , 2002, 14, 1041.	11.1	164

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145	Structure of inhomogeneous polymer networks prepared from telechelic polybutadiene. <i>Polymer</i> , 2002, 43, 4989-4996.	1.8	12
146	Ultralow-k Dielectrics Made by Supercritical Foaming of Thin Polymer Films. , 2002, 14, 1041.		2
147	Complex dynamics of hydrogen bonded self-assembling polymers. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2001, 8, 365-372.	1.8	39
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