Joachim Loos

List of Publications by Year
in descending order

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76	9,121	76326	79698
papers	citations	40 h-index	73 g-index

83	83	83	9678
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Latexâ€<scp>B</scp>ased Route to Disperse Carbon Nanotubes in Poly(2,6â€<scp>D</scp>imethylâ€1,4â€<scp>P</scp>henylene Ether)/<scp>P</scp>olystyrene Blends. Macromolecular Materials and Engineering, 2014, 299, 228-236.	3.6	4
2	Three-dimensional imaging of polymer materials by Scanning Probe Tomography. European Polymer Journal, 2014, 52, 154-165.	5.4	25
3	Structureâ€"function relations in diF-TES-ADT blend organic field effect transistors studied by scanning probe microscopy. Journal of Materials Chemistry C, 2014, 2, 245-255.	5.5	37
4	Morphology and Performance of Poly(2â€methoxyâ€5â€(20â€ethylâ€hexyloxy)â€pâ€phenylenevinylene) (MEHâ€PPV):(6,6)â€phenylâ€C₆₁â€butyric Acid Methyl Ester (PCBM) Based Polymer Solar Cells. Chinese Journal of Chemistry, 2013, 31, 731-736.	4.9	8
5	Ternary Donorâ€"Insulatorâ€"Acceptor Systems for Polymer Solar Cells. Macromolecular Rapid Communications, 2012, 33, 1882-1887.	3.9	4
6	Epitaxy-Induced Crystallization of Olefin Block Copolymers. Macromolecules, 2012, 45, 5979-5985.	4.8	42
7	Graphene Network Organisation in Conductive Polymer Composites. Macromolecular Chemistry and Physics, 2012, 213, 1251-1258.	2.2	41
8	Local Organization of Graphene Network Inside Graphene/Polymer Composites. Advanced Functional Materials, 2012, 22, 1311-1318.	14.9	44
9	Nano-morphology characterization of organic bulk heterojunctions based on mono and bis-adduct fullerenes. Organic Electronics, 2012, 13, 1315-1321.	2.6	16
10	Triplet Exciton Generation in Bulk-Heterojunction Solar Cells Based on Endohedral Fullerenes. Journal of the American Chemical Society, 2011, 133, 9088-9094.	13.7	91
11	High-Resolution Chemical Identification of Polymer Blend Thin Films Using Tip-Enhanced Raman Mapping. Macromolecules, 2011, 44, 2852-2858.	4.8	56
12	On the Importance of Morphology Control for Printable Solar Cells. Green Energy and Technology, 2011, , 227-249.	0.6	0
13	Controlling the Morphology and Efficiency of Hybrid ZnO:Polythiophene Solar Cells Via Side Chain Functionalization. Advanced Energy Materials, 2011, 1, 90-96.	19.5	80
14	A MULTISCALE APPROACH TO THE REPRESENTATION OF 3D IMAGES, WITH APPLICATION TO POLYMER SOLAR CELLS. Image Analysis and Stereology, 2011, 30, 19.	0.9	8
15	Characterization of polypropylene/layered silicate nanocomposites prepared by single-step method. Journal of Thermal Analysis and Calorimetry, 2010, 100, 629-639.	3.6	15
16	Nanomorphology and Charge Generation in Bulk Heterojunctions Based on Lowâ€Bandgap Dithiophene Polymers with Different Bridging Atoms. Advanced Functional Materials, 2010, 20, 1180-1188.	14.9	173
17	P3HT/PCBM Bulk Heterojunction Solar Cells: Impact of Blend Composition and 3D Morphology on Device Performance. Advanced Functional Materials, 2010, 20, 1458-1463.	14.9	259
18	Volume Organization of Polymer and Hybrid Solar Cells as Revealed by Electron Tomography. Advanced Functional Materials, 2010, 20, 3217-3234.	14.9	39

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19	Modification of EPDM with Alkylphenol Polysulfide for Use in Tire Sidewalls, 2 â€“ Mechanistic and Morphological Characterizations. Macromolecular Materials and Engineering, 2010, 295, 76-83.	3.6	6
20	On the Importance of Morphology Control in Polymer Solar Cells. Macromolecular Rapid Communications, 2010, 31, 1835-1845.	3.9	77
21	Isotactic polypropylene/carbon nanotube composites prepared by latex technology: Electrical conductivity study. European Polymer Journal, 2010, 46, 1833-1843.	5.4	42
22	Volume morphology of printable solar cells. Materials Today, 2010, 13, 14-20.	14.2	16
23	Latex-based concept for the preparation of graphene-based polymer nanocomposites. Journal of Materials Chemistry, 2010, 20, 3035.	6.7	188
24	Threeâ€dimensional Electrical Property Mapping with Nanometer Resolution. Advanced Materials, 2009, 21, 4915-4919.	21.0	41
25	The effect of three-dimensional morphology on the efficiency of hybrid polymer solar cells. Nature Materials, 2009, 8, 818-824.	27.5	511
26	Characterization of latex-based isotactic polypropylene/clay nanocomposites. Polymer, 2009, 50, 3739-3746.	3.8	41
27	Imaging Polymer Systems with High-Angle Annular Dark Field Scanning Transmission Electron Microscopy (HAADFâ"STEM). Macromolecules, 2009, 42, 2581-2586.	4.8	54
28	Photoconductance of Bulk Heterojunctions with Tunable Nanomorphology Consisting of P3HT and Naphthalene Diimide Siloxane Oligomers. Journal of Physical Chemistry C, 2009, 113, 7863-7869.	3.1	3
29	Relation between Photoactive Layer Thickness, 3D Morphology, and Device Performance in P3HT/PCBM Bulk-Heterojunction Solar Cells. Macromolecules, 2009, 42, 7396-7403.	4.8	180
30	Three-Dimensional Nanoscale Organization of Bulk Heterojunction Polymer Solar Cells. Nano Letters, 2009, 9, 507-513.	9.1	476
31	High-Angle Annular Dark Field Scanning Transmission Electron Microscopy on Carbon-Based Functional Polymer Systems. Microscopy and Microanalysis, 2009, 15, 251-258.	0.4	18
32	Three-dimensional nanoscale organization of polymer solar cells. Journal of Materials Chemistry, 2009, 19, 5388.	6.7	62
33	Highâ€Conductivity Polymer Nanocomposites Obtained by Tailoring the Characteristics of Carbon Nanotube Fillers. Advanced Functional Materials, 2008, 18, 3226-3234.	14.9	217
34	On the influence of the processing conditions on the performance of electrically conductive carbon nanotube/polymer nanocomposites. Polymer, 2008, 49, 2866-2872.	3.8	94
35	Conductive atomic force microscopy (C-AFM) analysis of photoactive layers in inert atmosphere. Organic Electronics, 2008, 9, 149-154.	2.6	26
36	Carbon Nanotube/Isotactic Polypropylene Composites Prepared by Latex Technology: Morphology Analysis of CNT-Induced Nucleation. Macromolecules, 2008, 41, 8081-8085.	4.8	138

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37	Isotactic Polypropylene/Carbon Nanotube Composites Prepared by Latex Technology. Thermal Analysis of Carbon Nanotube-Induced Nucleation. Macromolecules, 2008, 41, 5753-5762.	4.8	126
38	Compositional and Electric Field Dependence of the Dissociation of Charge Transfer Excitons in Alternating Polyfluorene Copolymer/Fullerene Blends. Journal of the American Chemical Society, 2008, 130, 7721-7735.	13.7	544
39	Scanning Probe Microscopy on Polymer Solar Cells. , 2008, , 183-215.		1
40	Analysis of nano-composites based on carbon nanoparticles imbedded in polymers. , 2008, , 769-770.		0
41	Toward High-Performance Polymer Solar Cells:Â The Importance of Morphology Control. Macromolecules, 2007, 40, 1353-1362.	4.8	588
42	On the Crucial Role of Wetting in the Preparation of Conductive Polystyreneâ^'Carbon Nanotube Composites. Chemistry of Materials, 2007, 19, 3787-3792.	6.7	84
43	On the overdrawing of melt-spun isotactic polypropylene tapes. Journal of Applied Polymer Science, 2007, 103, 2920-2931.	2.6	25
44	On the fate of carbon nanotubes: Morphological characterisations. Composites Science and Technology, 2007, 67, 783-788.	7.8	25
45	Controlling the dispersion of multi-wall carbon nanotubes in aqueous surfactant solution. Carbon, 2007, 45, 618-623.	10.3	652
46	Characterization of conductive multiwall carbon nanotube/polystyrene composites prepared by latex technology. Carbon, 2007, 45, 2897-2903.	10.3	152
47	Nanoscale structure of solar cells based on pure conjugated polymer blends. Progress in Photovoltaics: Research and Applications, 2007, 15, 727-740.	8.1	78
48	Improving Polymer Based Photovoltaic Devices by Reducing the Voltage Loss at the Donor-Acceptor Interface. Materials Research Society Symposia Proceedings, 2006, 974, 1.	0.1	4
49	Quantitative Insight into Morphology Evolution of Thin PPV/PCBM Composite Films upon Thermal Treatment. Macromolecules, 2006, 39, 218-223.	4.8	46
50	Toolbox for Dispersing Carbon Nanotubes into Polymers To Get Conductive Nanocomposites. Chemistry of Materials, 2006, 18, 1089-1099.	6.7	496
51	Effect of 1-hexene comonomer on polyethylene particle growth and copolymer chemical composition distribution. Journal of Polymer Science Part A, 2006, 44, 2883-2890.	2.3	34
52	Effects of propylene prepolymerization on ethylene/1-hexene and ethylene/1-octene copolymerization with an immobilized metallocene catalyst. Journal of Polymer Science Part A, 2006, 44, 6652-6657.	2.3	16
53	The formation of crystalline P3HT fibrils upon annealing of a PCBM:P3HT bulk heterojunction. Thin Solid Films, 2006, 511-512, 2-6.	1.8	93
54	Influence of Copolymerization on Fragmentation Behavior Using Ziegler-Natta Catalysts. Macromolecular Rapid Communications, 2006, 27, 15-20.	3.9	38

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55	Block-Copolymer-Assisted Solubilization of Carbon Nanotubes and Exfoliation Monitoring Through Viscosity. Macromolecular Rapid Communications, 2006, 27, 1073-1078.	3.9	52
56	Morphology Evolution in the Early Stages of Olefin Polymerization. Macromolecular Symposia, 2006, 236, 249-258.	0.7	42
57	Efficient polymer:polymer bulk heterojunction solar cells. Applied Physics Letters, 2006, 88, 083504.	3.3	129
58	Influence of Porosity on the Fragmentation of Ziegler-Natta Catalyst in the Early Stages of Propylene Polymerization. E-Polymers, 2006, 6, .	3.0	4
59	Accurately evaluating Youngâ€™s modulus of polymers through nanoindentations: A phenomenological correction factor to the Oliver and Pharr procedure. Applied Physics Letters, 2006, 89, 171905.	3.3	62
60	Visualization of single-wall carbon nanotube (SWNT) networks in conductive polystyrene nanocomposites by charge contrast imaging. Ultramicroscopy, 2005, 104, 160-167.	1.9	146
61	Morphology determination of functional poly[2-methoxy-5-(3,7-dimethyloctyloxy)-1,4-phenylenevinylene]/poly[oxa-1,4-phenylene-1,2-(1-cyanovinylene)-2-methoxy,5-(2,7-dimeth blends as used for all-polymer solar cells. Journal of Applied Polymer Science, 2005, 97, 1001-1007.	2.3	25
62	Effects of methylaluminoxane immobilization on silica on the performance of zirconocene catalysts in propylene polymerization. Journal of Polymer Science Part A, 2005, 43, 2734-2748.	2.3	30
63	Time-Dependent Study of the Exfoliation Process of Carbon Nanotubes in Aqueous Dispersions by Using UVâ^'Visible Spectroscopy. Analytical Chemistry, 2005, 77, 5135-5139.	6.5	223
64	Fragmentation Behavior of Silica-Supported Metallocene/MAO Catalyst in the Early Stages of Olefin Polymerization. Macromolecules, 2005, 38, 4673-4678.	4.8	70
65	Nanoscale Morphology of High-Performance Polymer Solar Cells. Nano Letters, 2005, 5, 579-583.	9.1	1,499
66	Effect of Spatial Confinement on the Morphology Evolution of Thin Poly(p-phenylenevinylene)/Methanofullerene Composite Films. Macromolecules, 2005, 38, 4289-4295.	4.8	81
67	Strategies for dispersing carbon nanotubes in highly viscous polymers. Journal of Materials Chemistry, 2005, 15, 2349.	6.7	115
68	Morphology and Thermal Stability of the Active Layer in Poly(p-phenylenevinylene)/Methanofullerene Plastic Photovoltaic Devices. Macromolecules, 2004, 37, 2151-2158.	4.8	339
69	Automated Scanning Probe Microscopy as a New Tool for Combinatorial Polymer Research: Conductive Carbon Black/Poly(dimethylsiloxane) Composites. Macromolecular Rapid Communications, 2003, 24, 113-117.	3.9	25
70	Organisation and melting of solution grown truncated lozenge polyethylene single crystals. E-Polymers, 2003, 3, .	3.0	1
71	Surface Model for Gas-Phase Polymerizations of Ethylene and Propylene Using Supported Metallocene/Methylalumoxane Catalysts. Israel Journal of Chemistry, 2002, 42, 367-372.	2.3	2
72	Melting behavior of nascent polyolefins synthesized at various polymerization conditions. Polymer Bulletin, 2002, 48, 191-198.	3.3	32

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73	The use of the focused ion beam technique to prepare cross-sectional transmission electron microscopy specimen of polymer solar cells deposited on glass. Polymer, 2002, 43, 7493-7496.	3.8	45
74	Observation of shish crystal growth into nondeformed melts. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 1183-1187.	2.1	46
75	Observation of shish crystal growth into nondeformed melts. , 2000, 38, 1183.		1
76	Observation of shish crystal growth into nondeformed melts. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 1183.	2.1	2