

Do Y Yoon

List of Publications by Year in descending order

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2,057
citations

331670

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docs citations

41
times ranked

2524
citing authors

#	ARTICLE	IF	CITATIONS
1	An optimized united atom model for simulations of polymethylene melts. <i>Journal of Chemical Physics</i> , 1995, 103, 1702-1709.	3.0	293
2	Off-lattice Monte Carlo simulations of polymer melts confined between two plates. <i>Journal of Chemical Physics</i> , 1988, 89, 5206-5215.	3.0	238
3	Tuning of Ag work functions by self-assembled monolayers of aromatic thiols for an efficient hole injection for solution processed triisopropylsilylethynyl pentacene organic thin film transistors. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	233
4	Low-Dielectric, Nanoporous Organosilicate Films Prepared via Inorganic/Organic Polymer Hybrid Templates. <i>Chemistry of Materials</i> , 1999, 11, 3080-3085.	6.7	214
5	Equilibrium and dynamic properties of polymethylene melts from molecular dynamics simulations. I. n- α -tridecane. <i>Journal of Chemical Physics</i> , 1994, 100, 649-658.	3.0	106
6	Vertically Segregated Structure and Properties of Small Molecule-Polymer Blend Semiconductors for Organic Thin-Film Transistors. <i>Advanced Functional Materials</i> , 2013, 23, 366-376.	14.9	106
7	Chain Dynamics of Ring and Linear Polyethylene Melts from Molecular Dynamics Simulations. <i>Macromolecules</i> , 2011, 44, 2311-2315.	4.8	96
8	Improvement of electron injection in inverted bottom-emission blue phosphorescent organic light emitting diodes using zinc oxide nanoparticles. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	85
9	Correlations between Ion Conductivity and Polymer Dynamics in Hyperbranched Poly(ethylene oxide) Electrolytes for Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2011, 23, 2685-2688.	6.7	72
10	Structure and Properties of Polymer Electrolyte Membranes Containing Phosphonic Acids for Anhydrous Fuel Cells. <i>Chemistry of Materials</i> , 2012, 24, 115-122.	6.7	71
11	Novel Inorganic-Organic Hybrid Block Copolymers as Pore Generators for Nanoporous Ultralow-Dielectric-Constant Films. <i>Macromolecules</i> , 2005, 38, 1031-1034.	4.8	50
12	Concentration Dependence of Ring Polymer Conformations from Monte Carlo Simulations. <i>ACS Macro Letters</i> , 2013, 2, 296-300.	4.8	48
13	Structure and properties of polymethylene melt surfaces from molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 2001, 115, 2831-2840.	3.0	46
14	Charge Transport in Self-Assembled Semiconducting Organic Layers: Role of Dynamic and Static Disorder. <i>Journal of Physical Chemistry C</i> , 2010, 114, 10592-10597.	3.1	44
15	Conformations of polymer melts between parallel surfaces: comparison of the Scheutjens-Fleer lattice theory with Monte Carlo simulations. <i>Macromolecules</i> , 1992, 25, 7011-7017.	4.8	35
16	Structure-Property Relationships for Methylsilsesquioxanes. <i>Chemistry of Materials</i> , 2010, 22, 1330-1339.	6.7	35
17	Structure and properties of polynorbornene derivatives: Poly(norbornene dicarboxylic acid dialkyl) Tj ETQq1 1 0.784314 rgBT/Overlock 2.4 29	2.4	29
18	Substituent Effects on Microstructure and Polymerization of Polyalkylsilsesquioxanes. <i>Journal of the American Chemical Society</i> , 2001, 123, 12121-12122.	13.7	26

#	ARTICLE	IF	CITATIONS
19	Synthesis of Poly(methyl-co-trifluoropropyl)silsesquioxanes and Their Thin Films for Low Dielectric Application. <i>Macromolecular Materials and Engineering</i> , 2003, 288, 455-461.	3.6	23
20	Surface Characteristics of Polyfluorene Films Studied by Polarization-Dependent NEXAFS Spectroscopy. <i>Macromolecules</i> , 2005, 38, 867-872.	4.8	23
21	Interfacial and topological effects on the glass transition in free-standing polystyrene films. <i>Journal of Chemical Physics</i> , 2017, 146, 203314.	3.0	22
22	Synthesis and Rheological Properties of Poly(5-n-hexylnorbornene). <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 193-200.	2.2	20
23	Synthesis and structure-property comparisons of hydrogenated poly(oxanorbornene-imide)s and poly(norbornene-imide)s prepared by ring-opening metathesis polymerization. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3914-3921.	2.3	19
24	Interface characteristics of polystyrene melts in free-standing thin films and on graphite surface from molecular dynamics simulations. <i>Polymer</i> , 2017, 116, 540-548.	3.8	19
25	Self-Sealing of Nanoporous Low Dielectric Constant Patterns Fabricated by Nanoimprint Lithography. <i>Advanced Materials</i> , 2008, 20, 1934-1939.	21.0	16
26	Novel Organosilicate Polymer Resists for High Resolution E-Beam Lithography. <i>Chemistry of Materials</i> , 2010, 22, 3021-3023.	6.7	16
27	Surface and Thin Film Characteristics of Poly(tetrafluoroethylene) Melts from Molecular Dynamics Simulations. <i>Macromolecules</i> , 2007, 40, 7407-7412.	4.8	10
28	Vinyl-type Polymerization of Alkylester-Substituted Norbornenes Without Endo/Exo Separation. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 1595-1601.	2.2	10
29	Synthesis and characterization of novel organic-inorganic hybrid block copolymers. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 1458-1462.	2.8	9
30	Effects of Comonomers on Lamellar and Noncrystalline Microstructure of Ethylene Copolymers. <i>Macromolecular Rapid Communications</i> , 2006, 27, 322-327.	3.9	9
31	Structure and Properties of Polysilsesquioxanes and Copolymers for Ultra-Low Dielectric Films. <i>Materials Research Society Symposia Proceedings</i> , 2003, 766, 651.	0.1	8
32	Parallel Pool Analysis of Transient Spectroscopy Reveals Origins of and Perspectives for ZnO Hybrid Solar Cell Performance Enhancement Using Semiconducting Surfactants. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2665-2670.	4.6	7
33	Temperature Dependence and Impedance Characteristics of Hybrid Solar Cells Based on Poly(phenylene) Tj ETQq1 1 0.784314 rgBT /Ov	2.5	4
34	Thermally Cross-Linkable Poly(oxilylene)s for Advanced Low-Dielectric Applications. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 705-712.	2.2	3
35	Temperature dependence of surface reorganization characteristics of amphiphilic block copolymer in air and in water studied by scanning force microscopy. <i>Journal of Plastic Film and Sheeting</i> , 2015, 31, 434-448.	2.2	3
36	Polyimide-PEG Segmented Block Copolymer Membranes with High Proton Conductivity by Improving Bicontinuous Nanostructure of Ionic Liquid-Doped Films. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900006.	2.2	3

#	ARTICLE	IF	CITATIONS
37	Interface Characteristics of Neat Melts and Binary Mixtures of Polyethylenes from Atomistic Molecular Dynamics Simulations. <i>Polymers</i> , 2020, 12, 1059.	4.5	3
38	Organosilicate polymer e-beam resists with high resolution, sensitivity and stability. <i>Applied Organometallic Chemistry</i> , 2013, 27, 644-651.	3.5	2
39	Polymer-nanoparticle hybrid solar cell. , 2012, , .		1
40	P : Highly Efficient Inverted Bottom&#Emission OLEDs with ZnO Nanoparticles as an Electron&#Injection Layer. <i>Digest of Technical Papers SID International Symposium</i> , 2010, 41, 1849-1852.	0.3	0
41	Surface Characteristics of Poly(alkyl methacrylate)s from Molecular Dynamics Simulations Using All&#Atom Force Field. <i>Macromolecular Rapid Communications</i> , 2021, , 2100614.	3.9	0