

Do Y Yoon

List of Publications by Year in descending order

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41
papers

2,057
citations

331670

21
h-index

315739

38
g-index

41
all docs

41
docs citations

41
times ranked

2524
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Interface Characteristics of Neat Melts and Binary Mixtures of Polyethylenes from Atomistic Molecular Dynamics Simulations. <i>Polymers</i> , 2020, 12, 1059.	4.5	3
3	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
4	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
5	Temperature Dependence and Impedance Characteristics of Hybrid Solar Cells Based on Poly(phenylene) Tj ETQq1 1,0.784314 rgBT / Qv 2.5 4	2.5	4
6	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
7	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
8	Concentration Dependence of Ring Polymer Conformations from Monte Carlo Simulations. <i>ACS Macro Letters</i> , 2013, 2, 296-300.	4.8	48
9	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
10	Organosilicate polymer e-beam resists with high resolution, sensitivity and stability. <i>Applied Organometallic Chemistry</i> , 2013, 27, 644-651.	3.5	2
11	Polymer-nanoparticle hybrid solar cell. , 2012, , .		1
12	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
13	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
14	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
15	Thermally Cross-Linkable Poly(<i>p</i> -xylylene)s for Advanced Low-Dielectric Applications. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 705-712.	2.2	3
16	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
17	Chain Dynamics of Ring and Linear Polyethylene Melts from Molecular Dynamics Simulations. <i>Macromolecules</i> , 2011, 44, 2311-2315.	4.8	96
18	Vinyl-Type Polymerization of Alkylester-Substituted Norbornenes Without Endo/Exo Separation. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 1595-1601.	2.2	10

#	ARTICLE	IF	CITATIONS
19	Improvement of electron injection in inverted bottom-emission blue phosphorescent organic light emitting diodes using zinc oxide nanoparticles. Applied Physics Letters, 2010, 96, .	3.3	85
20	P Highly Efficient Inverted Bottom Emission OLEDs with ZnO Nanoparticles as an Electron Injection Layer. Digest of Technical Papers SID International Symposium, 2010, 41, 1849-1852.	0.3	0
21	Charge Transport in Self-Assembled Semiconducting Organic Layers: Role of Dynamic and Static Disorder. Journal of Physical Chemistry C, 2010, 114, 10592-10597.	3.1	44
22	Novel Organosilicate Polymer Resists for High Resolution E-Beam Lithography. Chemistry of Materials, 2010, 22, 3021-3023.	6.7	16
23	Structure Property Relationships for Methylsilsesquioxanes. Chemistry of Materials, 2010, 22, 1330-1339.	6.7	35
24	Self Sealing of Nanoporous Low Dielectric Constant Patterns Fabricated by Nanoimprint Lithography. Advanced Materials, 2008, 20, 1934-1939.	21.0	16
25	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. Applied Physics Letters, 2008, 92, .	3.3	233
26	Surface and Thin Film Characteristics of Poly(tetrafluoroethylene) Melts from Molecular Dynamics Simulations. Macromolecules, 2007, 40, 7407-7412.	4.8	10
27	Structure and properties of polynorbornene derivatives: Poly(norbornene dicarboxylic acid dialkyl) Tj ETQq1 1 0.784314 rgBT/Overloc	2.4	29
28	Synthesis and Rheological Properties of Poly(5-n-hexylnorbornene). Macromolecular Chemistry and Physics, 2006, 207, 193-200.	2.2	20
29	Effects of Comonomers on Lamellar and Noncrystalline Microstructure of Ethylene Copolymers. Macromolecular Rapid Communications, 2006, 27, 322-327.	3.9	9
30	Surface Characteristics of Polyfluorene Films Studied by Polarization-Dependent NEXAFS Spectroscopy. Macromolecules, 2005, 38, 867-872.	4.8	23
31	Novel Inorganic Organic Hybrid Block Copolymers as Pore Generators for Nanoporous Ultralow-Dielectric-Constant Films. Macromolecules, 2005, 38, 1031-1034.	4.8	50
32	Synthesis and characterization of novel organic inorganic hybrid block copolymers. Physical Chemistry Chemical Physics, 2004, 6, 1458-1462.	2.8	9
33	Synthesis of Poly(methyl-co-trifluoropropyl)silsesquioxanes and Their Thin Films for Low Dielectric Application. Macromolecular Materials and Engineering, 2003, 288, 455-461.	3.6	23
34	Structure and Properties of Polysilsesquioxanes and Copolymers for Ultra-Low Dielectric Films. Materials Research Society Symposia Proceedings, 2003, 766, 651.	0.1	8
35	Structure and properties of polymethylene melt surfaces from molecular dynamics simulations. Journal of Chemical Physics, 2001, 115, 2831-2840.	3.0	46
36	Substituent Effects on Microstructure and Polymerization of Polyalkylsilsesquioxanes. Journal of the American Chemical Society, 2001, 123, 12121-12122.	13.7	26

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37	Low-Dielectric, Nanoporous Organosilicate Films Prepared via Inorganic/Organic Polymer Hybrid Templates. <i>Chemistry of Materials</i> , 1999, 11, 3080-3085.	6.7	214
38	An optimized united atom model for simulations of polymethylene melts. <i>Journal of Chemical Physics</i> , 1995, 103, 1702-1709.	3.0	293
39	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
40	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
41	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