

Yecheol Rho

List of Publications by Year in descending order

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35
papers

1,228
citations

361413

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times ranked

1792
citing authors

#	ARTICLE	IF	CITATIONS
1	pH-Dependent Structures of Ferritin and Apoferritin in Solution: Disassembly and Reassembly. <i>Biomacromolecules</i> , 2011, 12, 1629-1640.	5.4	252
2	Small-angle x-ray scattering station 4C2 BL of pohang accelerator laboratory for advance in Korean polymer science. <i>Macromolecular Research</i> , 2008, 16, 575-585.	2.4	69
3	Preparation of Nanoporous Poly(3-hexylthiophene) Films Based on a Template System of Block Copolymers via Ionic Interaction. <i>Macromolecules</i> , 2010, 43, 4843-4852.	4.8	66
4	pH-Dependent Structures of an i-Motif DNA in Solution. <i>Journal of Physical Chemistry B</i> , 2009, 113, 1852-1856.	2.6	64
5	Synchrotron Small-Angle X-ray Scattering Studies of the Structure of Porcine Pepsin under Various pH Conditions. <i>Journal of Physical Chemistry B</i> , 2008, 112, 15821-15827.	2.6	52
6	Hierarchical Structure in Nanoscale Thin Films of a Poly(styrene- <i>b</i> -methacrylate grafted with) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.8	51
7	A Lattice-Strained Organic Single-Crystal Nanowire Array Fabricated via Solution-Phase Nanograting-Assisted Pattern Transfer for Use in High-Mobility Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2016, 28, 3209-3215.	21.0	49
8	High-Performance n-Channel Thin-Film Field-Effect Transistors Based on a Nanowire-Forming Polymer. <i>Advanced Functional Materials</i> , 2013, 23, 2060-2071.	14.9	44
9	Well-Defined Functional Linear Aliphatic Diblock Copolyethers: A Versatile Linear Aliphatic Polyether Platform for Selective Functionalizations and Various Nanostructures. <i>Advanced Functional Materials</i> , 2012, 22, 5194-5208.	14.9	43
10	Facile and Microcontrolled Blade Coating of Organic Semiconductor Blends for Uniaxial Crystal Alignment and Reliable Flexible Organic Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13481-13490.	8.0	38
11	Biaxially extended quaterthiophene-thiophene and -selenophene conjugated polymers for optoelectronic device applications. <i>Polymer Chemistry</i> , 2012, 3, 767.	3.9	36
12	Synchrotron Grazing Incidence X-ray Scattering Study of the Morphological Structures in Thin Films of a Polymethacrylate Diblock Copolymer Bearing POSS Moieties. <i>Journal of Physical Chemistry B</i> , 2010, 114, 8033-8042.	2.6	33
13	Complex Self-Assembled Morphologies of Thin Films of an Asymmetric A ₃ B ₃ C ₃ Star Polymer. <i>ACS Macro Letters</i> , 2013, 2, 849-855.	4.8	31
14	Phase Transitions in Thin Films of a Diblock Copolymer Composed of a Linear Polymer Block and a Brush Polymer Block with Mesogenic Oligothiophenyl Bristles. <i>Macromolecules</i> , 2008, 41, 8778-8784.	4.8	29
15	Reversible conformation-driven order-order transition of peptide-mimic poly(n-alkyl isocyanate) in thin films via selective solvent-annealing. <i>NPG Asia Materials</i> , 2012, 4, e29-e29.	7.9	29
16	Well-Defined DNA-Mimic Brush Polymers Bearing Adenine Moieties: Synthesis, Layer-by-Layer Self-Assembly, and Biocompatibility. <i>Biomacromolecules</i> , 2011, 12, 2822-2833.	5.4	24
17	Synthesis of block copolymers consisting of poly(3-hexylthiophene) and polystyrene segments through ionic interaction and their self-assembly behavior. <i>Polymer Journal</i> , 2010, 42, 43-50.	2.7	23
18	Effect of C60 Fullerene on the Duplex Formation of i-Motif DNA with Complementary DNA in Solution. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4783-4788.	2.6	23

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19	Synthesis and Characterization of Polythiophenes Bearing Aromatic Groups at the 3-Position. <i>Macromolecules</i> , 2011, 44, 719-727.	4.8	22
20	Structural characterization of the Fddd phase in a diblock copolymer thin film by electron microtomography. <i>Soft Matter</i> , 2011, 7, 10424.	2.7	21
21	Nanostructure- and Orientation-Controlled Digital Memory Behaviors of Linear-Brush Diblock Copolymers in Nanoscale Thin Films. <i>Macromolecules</i> , 2014, 47, 4397-4407.	4.8	21
22	The biocompatibility of self-assembled brush polymers bearing glycine derivatives. <i>Biomaterials</i> , 2010, 31, 3816-3826.	11.4	19
23	Solution structures of RseA and its complex with RseB. <i>Journal of Synchrotron Radiation</i> , 2008, 15, 219-222.	2.4	18
24	Small-Angle X-ray Scattering Studies on Structures of an Estrogen-Related Receptor $\hat{\pm}$ Ligand Binding Domain and Its Complexes with Ligands and Coactivators. <i>Journal of Physical Chemistry B</i> , 2008, 112, 9603-9612.	2.6	18
25	Bacterial adherence on self-assembled films of brush polymers bearing zwitterionic sulfobetaine moieties. <i>Journal of Materials Chemistry</i> , 2012, 22, 19418.	6.7	18
26	Morphology-Driven High-Performance Polymeric Photodetector. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 4758-4763.	8.0	17
27	Polymer electrolyte membrane based on polyacrylate with phosphonic acid via long alkyl side chains. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1457-1464.	10.3	17
28	Synchrotron X-ray Scattering Characterization of the Molecular Structures of Star Polystyrenes with Varying Numbers of Arms. <i>Journal of Physical Chemistry B</i> , 2010, 114, 6247-6257.	2.6	16
29	Molecular Layer-by-Layer Self-Assembly and Mercury Sensing Characteristics of Novel Brush Polymers Bearing Thymine Moieties. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2655-2664.	8.0	15
30	Comprehensive synchrotron grazing-incidence X-ray scattering analysis of nanostructures in porous polymethylsilsequioxane dielectric thin films. <i>Journal of Applied Crystallography</i> , 2013, 46, 466-475.	4.5	15
31	New self-assembled brush glycopolymers: synthesis, structure and properties. <i>Polymer Chemistry</i> , 2013, 4, 2260.	3.9	14
32	Enhanced thermomechanical property of a self-healing polymer <i>via</i> self-assembly of a reversibly cross-linkable block copolymer. <i>Polymer Chemistry</i> , 2020, 11, 3701-3708.	3.9	13
33	Chemically Denatured Structures of Porcine Pepsin using Small-Angle X-ray Scattering. <i>Polymers</i> , 2019, 11, 2104.	4.5	12
34	Transparent, Water-Repellent, Antiviral, Antistatic, and Flexible Cu^{II} -Plasma-Polymerized Fluorocarbon Nanocomposite Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 10301-10312.	8.0	11
35	Reprogrammable Three-Dimensional Configurations Using Ionomer Bilayers. <i>ACS Applied Polymer Materials</i> , 2019, 1, 2760-2767.	4.4	5