Seung Woo Lee

List of Publications by Year
in descending order

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55 papers	1,040 citations	516710 16 h-index	434195 31 g-index
56 all docs	56 docs citations	56 times ranked	1180 citing authors

#	Article	IF	Citations
1	Surface Morphology, Molecular Reorientation, and Liquid Crystal Alignment Properties of Rubbed Nanofilms of a Well-Defined Brush Polyimide with a Fully Rodlike Backbone. Macromolecules, 2002, 35, 10119-10130.	4.8	106
2	Photoreactions and Photoinduced Molecular Orientations of Films of a Photoreactive Polyimide and Their Alignment of Liquid Crystals. Macromolecules, 2003, 36, 6527-6536.	4.8	88
3	Rubbing-Induced Surface Morphology and Polymer Segmental Reorientations of a Model Brush Polyimide and Interactions with Liquid Crystals at the Surface. Chemistry of Materials, 2003, 15, 3105-3112.	6.7	63
4	Transparent and Colorless Polyimides Containing Multiple Trifluoromethyl Groups as Gate Insulators for Flexible Organic Transistors with Superior Electrical Stability. ACS Applied Materials & Interfaces, 2020, 12, 18739-18747.	8.0	58
5	A Soluble Photoreactive Polyimide Bearing the Coumarin Chromophore in the Side Group:Â Photoreaction, Photoinduced Molecular Reorientation, and Liquid-Crystal Alignability in Thin Films. Langmuir, 2003, 19, 10381-10389.	3.5	56
6	Direct Observation of Plasmon-Induced Interfacial Charge Separation in Metal/Semiconductor Hybrid Nanostructures by Measuring Surface Potentials. Nano Letters, 2018, 18, 109-116.	9.1	55
7	Ultra-Low Power Electrochromic Heat Shutters Through Tailoring Diffusion-Controlled Behaviors. ACS Applied Materials & Interfaces, 2020, 12, 30635-30642.	8.0	55
8	Fluorinated Polyimide Gate Dielectrics for the Advancing the Electrical Stability of Organic Field-Effect Transistors. ACS Applied Materials & Interfaces, 2014, 6, 15209-15216.	8.0	47
9	Light-responsive spiropyran based polymer thin films for use in organic field-effect transistor memories. Journal of Materials Chemistry C, 2016, 4, 5398-5406.	5.5	45
10	Inhibition of TCR-Induced CD8 T Cell Death by IL-12: Regulation of Fas Ligand and Cellular FLIP Expression and Caspase Activation by IL-12. Journal of Immunology, 2003, 170, 2456-2460.	0.8	41
11	Synthesis of novel polypyromellitimides withn-alkyloxy side chains and their liquid-crystal aligning property. Journal of Polymer Science Part A, 2004, 42, 3130-3142.	2.3	39
12	Printed ion-gel transistor using electrohydrodynamic (EHD) jet printing process. Organic Electronics, 2018, 52, 123-129.	2.6	38
13	Synthesis and properties of photoalignable aromatic polyesters containing phenylenediacrylate units in their backbones andn-alkyl moieties in their side groups. Journal of Polymer Science Part A, 2004, 42, 1322-1334.	2.3	24
14	Preparation and Characterization of Transparent Polyimideâ€“Silica Composite Films Using Polyimide with Carboxylic Acid Groups. Polymers, 2019, 11, 489.	4.5	22
15	A hot-electron-triggered catalytic oxidation reaction of plasmonic silver nanoparticles evidenced by surface potential mapping. Journal of Materials Chemistry A, 2018, 6, 20939-20946.	10.3	18
16	Various Coating Methodologies of WO3 According to the Purpose for Electrochromic Devices. Nanomaterials, 2020, 10, 821.	4.1	18
17	Tuning the Work Function of Printed Polymer Electrodes by Introducing a Fluorinated Polymer To Enhance the Operational Stability in Bottom-Contact Organic Field-Effect Transistors. ACS Applied Materials & Interfaces, 2017, 9, 12637-12646.	8.0	15
18	Fabrication of Solid-State Asymmetric Supercapacitors Based on Aniline Oligomers and Graphene Electrodes with Enhanced Electrochemical Performances. ACS Omega, 2019, 4, 1244-1253.	3.5	15

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19	Novel triphenylamine containing poly-viologen for voltage-tunable multi-color electrochromic device. Dyes and Pigments, 2021, 190, 109321.	3.7	15
20	Imidization induced structural changes of 6FDA-ODA poly(amic acid) by two-dimensional (2D) infrared correlation spectroscopy. Journal of Molecular Structure, 2014, 1069, 196-199.	3.6	14
21	Printed Water-Based ITO Nanoparticle via Electrohydrodynamic (EHD) Jet Printing and Its Application of ZnO Transistors. Electronic Materials Letters, 2019, 15, 595-604.	2.2	14
22	Efficient direct electron transfer via band alignment in hybrid metal-semiconductor nanostructures toward enhanced photocatalysts. Nano Energy, 2019, 63, 103841.	16.0	13
23	Thermal induced structural changes of polyhydroxyamide by two-dimensional (2D) infrared correlation study. Journal of Molecular Structure, 2018, 1167, 169-173.	3.6	12
24	Tunable electrochromic behavior of biphenyl poly(viologen)-based ion gels in all-in-one devices. Organic Electronics, 2022, 100, 106395.	2.6	12
25	Investigation of phase separated polyimide blend films containing boron nitride using FTIR imaging. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 195, 1-6.	3.9	11
26	Preparation and Electrochemical Properties of Porous Carbon Nanofiber Electrodes Derived from New Precursor Polymer: 6FDA-TFMB. Polymers, 2020, 12, 1851.	4.5	11
27	Synthesis and non-isothermal crystallization behavior of poly(ethylene phthalate-co-terephthalate)s. Polymer Engineering and Science, 2004, 44, 1682-1691.	3.1	10
28	Isomeric effects of poly-viologens on electrochromic performance and applications in low-power electrochemical devices. Solar Energy Materials and Solar Cells, 2022, 240, 111734.	6.2	10
29	Photo-enhanced polymer memory device based on polyimide containing spiropyran. Electronic Materials Letters, 2016, 12, 537-544.	2.2	9
30	Synthesis and non-isothermal crystallization behavior of poly(ethylene-co-1,4-butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (te	2.4	8
31	Synthesis and characterization of sulfonated copolyimides via thermal imidization for polymer electrolyte membrane application. Solid State Ionics, 2012, 216, 95-99.	2.7	8
32	Structural characterization of triphenylamine (TPA)-based polymers during the oxidative reaction by two-dimensional (2D) infrared correlation study. Journal of Molecular Structure, 2014, 1069, 200-204.	3.6	8
33	Hybrid flexible ambipolar thin-film transistors based on pentacene and ZnO capable of low-voltage operation. Chinese Journal of Physics, 2016, 54, 471-474.	3.9	8
34	Glutathione-responsive gemini polymeric micelles as controlled drug carriers. Macromolecular Research, 2015, 23, 196-204.	2.4	7
35	Exploration of highly active bidentate ligands for iron (III)-catalyzed ATRP. Polymer, 2016, 90, 309-316.	3.8	7
36	Synthesis, characterization and electrochromic properties of polyamides having triphenylamine derivatives. Polymer Bulletin, 2016, 73, 2427-2438.	3.3	7

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37	Synthesis, Characterization, and Liquid Crystal Alignment Properties of Photosensitive Polyimide. Molecular Crystals and Liquid Crystals, 2009, 513, 89-97.	0.9	6
38	Synthesis and Characterization of Hybrid Poly(phenylenemethylene) Having Functionalized Silsesquioxanes (POSS). Polymer Journal, 2009, 41, 303-307.	2.7	5
39	Evolution of ppm amount of Ru(III) complexes for effective living radical polymerization of <scp>MMA</scp>. Journal of Polymer Science Part A, 2015, 53, 1961-1965.	2.3	5
40	Thermal imidization behaviors of 6FDA-ODA poly(amic acid) containing curing accelerators by in-situ FTIR spectroscopy. Vibrational Spectroscopy, 2020, 106, 103007.	2.2	5
41	A reactive polythiophene for protein immobilization. Polymers for Advanced Technologies, 2009, 20, 298-302.	3.2	4
42	Polypyrrole and Polypyrrole-Multi Wall Carbon Nanotube for Alternative Counter Electrodes in Dye-sensitized Solar Cells. Molecular Crystals and Liquid Crystals, 2015, 620, 71-77.	0.9	4
43	Electrochromism Properties of Polyimides Possessing Triphenylamine Moieties with Different Substituents. Molecular Crystals and Liquid Crystals, 2014, 598, 6-15.	0.9	3
44	Dual-responsive Gemini Micelles for Efficient Delivery of Anticancer Therapeutics. Polymers, 2019, 11, 604.	4.5	3
45	Preparation and Characterization of Transparent Polyimide Composite Films for Flexible Substrate. Journal of Nanoelectronics and Optoelectronics, 2013, 8, 588-593.	0.5	3
46	Comparison of Liquid Crystal Alignments on Rubbed and Linearly Polarized UV-Irradiated Polyimide Surfaces. Molecular Crystals and Liquid Crystals, 2012, 563, 10-18.	0.9	2
47	Photosensitive Polyimides with Rigid Side Chain and Their Thermal Stable Liquid-Crystal Alignment Properties. Molecular Crystals and Liquid Crystals, 2014, 601, 20-28.	0.9	2
48	Nanomaterials for detection of primary aromatic amine derivatives based on a fluorescent probe. Molecular Crystals and Liquid Crystals, 2020, 704, 57-65.	0.9	2
49	Synthesis and characterization of polyimides having phenylenediacryloyl moieties in the main chain for flexible solar cell. , 2011, , .		1
50	Liquid Crystal Alignment Properties on Polyamide Films Bearing a Phenylenediacryloyl Moiety in the Main Chain. Molecular Crystals and Liquid Crystals, 2012, 563, 1-9.	0.9	1
51	Preparation and Characterization of Transparent Polyimide/Silica Composite Films by a Sol-Gel Reaction. Molecular Crystals and Liquid Crystals, 2013, 584, 9-17.	0.9	1
52	Study of mercury-adsorption behavior in the exhaust gas of KI-impregnated ACF. Korean Journal of Chemical Engineering, 2020, 37, 159-165.	2.7	1
53	Synthesis of Macro-Porous De-NOx Catalysts for Poly-Tetra-Fluoro-Ethylene Membrane Bag Filter. Journal of Nanoscience and Nanotechnology, 2021, 21, 4537-4543.	0.9	1
54	Hybrid Nanomaterials for the Detection of Amine Derivatives Based on a Fluorescent Probe. Science of Advanced Materials, 2014, 6, 2554-2557.	0.7	1

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55	Synthesis and characterization of positive-tone photo-patternable poly(benzoxazole)s: effect of the maleic anhydride end-capper content. Molecular Crystals and Liquid Crystals, 2020, 707, 66-73.	0.9	1