

Seung Woo Lee

List of Publications by Year in descending order

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55
papers

1,040
citations

516710

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434195

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all docs

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docs citations

56
times ranked

1180
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable electrochromic behavior of biphenyl poly(viologen)-based ion gels in all-in-one devices. <i>Organic Electronics</i> , 2022, 100, 106395.	2.6	12
2	Isomeric effects of poly-viologens on electrochromic performance and applications in low-power electrochemical devices. <i>Solar Energy Materials and Solar Cells</i> , 2022, 240, 111734.	6.2	10
3	Novel triphenylamine containing poly-viologen for voltage-tunable multi-color electrochromic device. <i>Dyes and Pigments</i> , 2021, 190, 109321.	3.7	15
4	Synthesis of Macro-Porous De-NO _x Catalysts for Poly-Tetra-Fluoro-Ethylene Membrane Bag Filter. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 4537-4543.	0.9	1
5	Thermal imidization behaviors of 6FDA-ODA poly(amic acid) containing curing accelerators by in-situ FTIR spectroscopy. <i>Vibrational Spectroscopy</i> , 2020, 106, 103007.	2.2	5
6	Nanomaterials for detection of primary aromatic amine derivatives based on a fluorescent probe. <i>Molecular Crystals and Liquid Crystals</i> , 2020, 704, 57-65.	0.9	2
7	Preparation and Electrochemical Properties of Porous Carbon Nanofiber Electrodes Derived from New Precursor Polymer: 6FDA-TFMB. <i>Polymers</i> , 2020, 12, 1851.	4.5	11
8	Ultra-Low Power Electrochromic Heat Shutters Through Tailoring Diffusion-Controlled Behaviors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 30635-30642.	8.0	55
9	Study of mercury-adsorption behavior in the exhaust gas of KI-impregnated ACF. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 159-165.	2.7	1
10	Various Coating Methodologies of WO ₃ According to the Purpose for Electrochromic Devices. <i>Nanomaterials</i> , 2020, 10, 821.	4.1	18
11	Transparent and Colorless Polyimides Containing Multiple Trifluoromethyl Groups as Gate Insulators for Flexible Organic Transistors with Superior Electrical Stability. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 18739-18747.	8.0	58
12	Synthesis and characterization of positive-tone photo-patternable poly(benzoxazole)s: effect of the maleic anhydride end-capper content. <i>Molecular Crystals and Liquid Crystals</i> , 2020, 707, 66-73.	0.9	1
13	Printed Water-Based ITO Nanoparticle via Electrohydrodynamic (EHD) Jet Printing and Its Application of ZnO Transistors. <i>Electronic Materials Letters</i> , 2019, 15, 595-604.	2.2	14
14	Efficient direct electron transfer via band alignment in hybrid metal-semiconductor nanostructures toward enhanced photocatalysts. <i>Nano Energy</i> , 2019, 63, 103841.	16.0	13
15	Fabrication of Solid-State Asymmetric Supercapacitors Based on Aniline Oligomers and Graphene Electrodes with Enhanced Electrochemical Performances. <i>ACS Omega</i> , 2019, 4, 1244-1253.	3.5	15
16	Dual-responsive Gemini Micelles for Efficient Delivery of Anticancer Therapeutics. <i>Polymers</i> , 2019, 11, 604.	4.5	3
17	Preparation and Characterization of Transparent Polyimide/Silica Composite Films Using Polyimide with Carboxylic Acid Groups. <i>Polymers</i> , 2019, 11, 489.	4.5	22
18	Investigation of phase separated polyimide blend films containing boron nitride using FTIR imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 195, 1-6.	3.9	11

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19	Thermal induced structural changes of polyhydroxyamide by two-dimensional (2D) infrared correlation study. <i>Journal of Molecular Structure</i> , 2018, 1167, 169-173.	3.6	12
20	Printed ion-gel transistor using electrohydrodynamic (EHD) jet printing process. <i>Organic Electronics</i> , 2018, 52, 123-129.	2.6	38
21	Direct Observation of Plasmon-Induced Interfacial Charge Separation in Metal/Semiconductor Hybrid Nanostructures by Measuring Surface Potentials. <i>Nano Letters</i> , 2018, 18, 109-116.	9.1	55
22	A hot-electron-triggered catalytic oxidation reaction of plasmonic silver nanoparticles evidenced by surface potential mapping. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20939-20946.	10.3	18
23	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. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12637-12646.	8.0	15
24	Photo-enhanced polymer memory device based on polyimide containing spiropyran. <i>Electronic Materials Letters</i> , 2016, 12, 537-544.	2.2	9
25	Exploration of highly active bidentate ligands for iron (III)-catalyzed ATRP. <i>Polymer</i> , 2016, 90, 309-316.	3.8	7
26	Hybrid flexible ambipolar thin-film transistors based on pentacene and ZnO capable of low-voltage operation. <i>Chinese Journal of Physics</i> , 2016, 54, 471-474.	3.9	8
27	Synthesis, characterization and electrochromic properties of polyamides having triphenylamine derivatives. <i>Polymer Bulletin</i> , 2016, 73, 2427-2438.	3.3	7
28	Light-responsive spiropyran based polymer thin films for use in organic field-effect transistor memories. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5398-5406.	5.5	45
29	Polypyrrole and Polypyrrole-Multi Wall Carbon Nanotube for Alternative Counter Electrodes in Dye-sensitized Solar Cells. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 620, 71-77.	0.9	4
30	Glutathione-responsive gemini polymeric micelles as controlled drug carriers. <i>Macromolecular Research</i> , 2015, 23, 196-204.	2.4	7
31	Evolution of ppm amount of Ru(III) complexes for effective living radical polymerization of MMA. <i>Journal of Polymer Science Part A</i> , 2015, 53, 1961-1965.	2.3	5
32	Photosensitive Polyimides with Rigid Side Chain and Their Thermal Stable Liquid-Crystal Alignment Properties. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 601, 20-28.	0.9	2
33	Electrochromism Properties of Polyimides Possessing Triphenylamine Moieties with Different Substituents. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 598, 6-15.	0.9	3
34	Structural characterization of triphenylamine (TPA)-based polymers during the oxidative reaction by two-dimensional (2D) infrared correlation study. <i>Journal of Molecular Structure</i> , 2014, 1069, 200-204.	3.6	8
35	Fluorinated Polyimide Gate Dielectrics for the Advancing the Electrical Stability of Organic Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 15209-15216.	8.0	47
36	Imidization induced structural changes of 6FDA-ODA poly(amic acid) by two-dimensional (2D) infrared correlation spectroscopy. <i>Journal of Molecular Structure</i> , 2014, 1069, 196-199.	3.6	14

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37	Hybrid Nanomaterials for the Detection of Amine Derivatives Based on a Fluorescent Probe. <i>Science of Advanced Materials</i> , 2014, 6, 2554-2557.	0.7	1
38	Preparation and Characterization of Transparent Polyimide/Silica Composite Films by a Sol-Gel Reaction. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 584, 9-17.	0.9	1
39	Preparation and Characterization of Transparent Polyimide Composite Films for Flexible Substrate. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2013, 8, 588-593.	0.5	3
40	Comparison of Liquid Crystal Alignments on Rubbed and Linearly Polarized UV-Irradiated Polyimide Surfaces. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 563, 10-18.	0.9	2
41	Liquid Crystal Alignment Properties on Polyamide Films Bearing a Phenylenediacryloyl Moiety in the Main Chain. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 563, 1-9.	0.9	1
42	Synthesis and characterization of sulfonated copolyimides via thermal imidization for polymer electrolyte membrane application. <i>Solid State Ionics</i> , 2012, 216, 95-99.	2.7	8
43	Synthesis and characterization of polyimides having phenylenediacryloyl moieties in the main chain for flexible solar cell. , 2011, , .		1
44	A reactive polythiophene for protein immobilization. <i>Polymers for Advanced Technologies</i> , 2009, 20, 298-302.	3.2	4
45	Synthesis and Characterization of Hybrid Poly(phenylenemethylene) Having Functionalized Silsesquioxanes (POSS). <i>Polymer Journal</i> , 2009, 41, 303-307.	2.7	5
46	Synthesis, Characterization, and Liquid Crystal Alignment Properties of Photosensitive Polyimide. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 513, 89-97.	0.9	6
47	Synthesis and non-isothermal crystallization behavior of poly(ethylene phthalate-co-terephthalate)s. <i>Polymer Engineering and Science</i> , 2004, 44, 1682-1691.	3.1	10
48	Synthesis and properties of photoalignable aromatic polyesters containing phenylenediacrylate units in their backbones and n-alkyl moieties in their side groups. <i>Journal of Polymer Science Part A</i> , 2004, 42, 1322-1334.	2.3	24
49	Synthesis of novel polypyromellitimides with n-alkyloxy side chains and their liquid-crystal aligning property. <i>Journal of Polymer Science Part A</i> , 2004, 42, 3130-3142.	2.3	39
50	Synthesis and non-isothermal crystallization behavior of poly(ethylene-co-1,4-butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (te	2.4	8
51	A Soluble Photoreactive Polyimide Bearing the Coumarin Chromophore in the Side Group: A Photoreaction, Photoinduced Molecular Reorientation, and Liquid-Crystal Alignability in Thin Films. <i>Langmuir</i> , 2003, 19, 10381-10389.	3.5	56
52	Photoreactions and Photoinduced Molecular Orientations of Films of a Photoreactive Polyimide and Their Alignment of Liquid Crystals. <i>Macromolecules</i> , 2003, 36, 6527-6536.	4.8	88
53	Rubbing-Induced Surface Morphology and Polymer Segmental Reorientations of a Model Brush Polyimide and Interactions with Liquid Crystals at the Surface. <i>Chemistry of Materials</i> , 2003, 15, 3105-3112.	6.7	63
54	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. <i>Journal of Immunology</i> , 2003, 170, 2456-2460.	0.8	41

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55	Surface Morphology, Molecular Reorientation, and Liquid Crystal Alignment Properties of Rubbed Nanofilms of a Well-Defined Brush Polyimide with a Fully Rodlike Backbone. <i>Macromolecules</i> , 2002, 35, 10119-10130.	4.8	106