

Jae-Won Ka

List of Publications by Year in descending order

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papers

1,514
citations

304743

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docs citations

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times ranked

1939
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#	ARTICLE	IF	CITATIONS
1	A Conceptual Study on Photodynamic Control-Mediated Holographic Composites. <i>Advanced Photonics Research</i> , 2022, 3, .	3.6	1
2	Synthesis of Vinyl-Addition Polynorbornene Copolymers Bearing Pendant <i>n</i> -Alkyl Chains and Systematic Investigation of Their Properties. <i>Macromolecules</i> , 2021, 54, 6762-6771.	4.8	11
3	Highly sensitive updatable green hologram recording polymer with photoisomerizable azobenzene with highly birefringent acetylene as the side chain. <i>Polymer Journal</i> , 2021, 53, 539-547.	2.7	4
4	Simultaneous effects of silver-decorated graphite nanoplatelets and anisotropic alignments on improving thermal conductivity of stretchable poly(vinyl alcohol) composite films. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 138, 106045.	7.6	11
5	Coplanar Electrode Polymer Modulators Incorporating Fluorinated Polyimide Backbone Electro-Optic Polymer. <i>Photonics</i> , 2020, 7, 100.	2.0	4
6	A photo-functional electro-optic polyimide with excellent high-temperature stability. <i>Dyes and Pigments</i> , 2019, 163, 547-552.	3.7	11
7	Acetylene-containing highly birefringent rod-type reactive liquid crystals based on 2-methylhydroquinone. <i>Liquid Crystals</i> , 2018, 45, 279-291.	2.2	4
8	Surface-induced orientation of pentacene molecules and transport anisotropy on nanogroove SiO ₂ dielectric layer by simple scratched method: The study of surface roughness and molecular alignment on the mobility of organic thin film transistors. <i>Organic Electronics</i> , 2017, 42, 316-321.	2.6	5
9	Metal-oxide assisted surface treatment of polyimide gate insulators for high-performance organic thin-film transistors. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 15521-15529.	2.8	11
10	High birefringent reactive discotic liquid crystals based on asymmetrical triphenylene with phenyl-acetylene moieties. <i>Liquid Crystals</i> , 2017, 44, 1069-1077.	2.2	3
11	Robust photonic microparticles comprising cholesteric liquid crystals for anti-forgery materials. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7567-7573.	5.5	37
12	The effect of thermal annealing on the layered structure of smectic liquid crystalline organic semiconductor on polyimide gate insulator and its OFET performance. <i>Synthetic Metals</i> , 2016, 220, 311-317.	3.9	19
13	Polyimide/polyvinyl alcohol bilayer gate insulator for low-voltage organic thin-film transistors. <i>Organic Electronics</i> , 2015, 23, 213-218.	2.6	25
14	Alkylated Fullerene Derivatives for Solution-Processable Organic Thin-Film Transistors and Bulkheterojunction Solar Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 2515-2519.	0.9	1
15	A high-temperature resistant polyimide gate insulator surface-modified with a YO _x interlayer for high-performance, solution-processed Li-doped ZnO thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2191.	5.5	19
16	Poly(imide-benzoxazole) gate insulators with high thermal resistance for solution-processed flexible indium-zinc oxide thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6395-6401.	5.5	25
17	Low-temperature-annealed alumina/polyimide gate insulators for solution-processed ZnO thin-film transistors. <i>Applied Surface Science</i> , 2014, 313, 382-388.	6.1	10
18	Solvent-Free Directed Patterning of a Highly Ordered Liquid Crystalline Organic Semiconductor via Template-Assisted Self-Assembly for Organic Transistors. <i>Advanced Materials</i> , 2013, 25, 6219-6225.	21.0	73

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19	Photo-patternable polyimide gate insulator with fluorine groups for improving performance of 2,7-didecyl[1]benzothieno[3,2-b][1]benzothiophene (C10-BTBT) thin-film transistors. <i>Organic Electronics</i> , 2013, 14, 1777-1786.	2.6	30
20	Surface modification of polyimide gate insulators for solution-processed 2,7-didecyl[1]benzothieno[3,2-b][1]benzothiophene (C ₁₀ -BTBT) thin-film transistors. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 950-956.	2.8	26
21	Facile photo-patterning of source and drain electrodes with photo-sensitive polyimide for organic thin-film transistors. <i>Synthetic Metals</i> , 2013, 163, 47-50.	3.9	4
22	Surface Modification of a Polyimide Gate Insulator with an Yttrium Oxide Interlayer for Aqueous-Solution-Processed ZnO Thin-Film Transistors. <i>Langmuir</i> , 2013, 29, 7143-7150.	3.5	26
23	Enhanced Performance of Solution-Processed Organic Thin-Film Transistors with a Low-Temperature-Annealed Alumina Interlayer between the Polyimide Gate Insulator and the Semiconductor. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 5149-5155.	8.0	32
24	Direct photo-patternable, low-temperature processable polyimide gate insulator for pentacene thin-film transistors. <i>Organic Electronics</i> , 2012, 13, 1665-1670.	2.6	35
25	Synthesis and thermal transition behaviour of new reactive mesogens with propiolate (-C≡C-COO-) linkages. <i>Liquid Crystals</i> , 2012, 39, 803-811.	2.2	2
26	Modified Polyvinyl Alcohol Layer with Hydrophobic Surface for the Passivation of Pentacene Thin-Film Transistor. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 3214-3218.	0.9	6
27	Calix[2]pyreno[2]pyrrole as a Fluorescence Chemical Probe for Polynitroaromatics. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 675-677.	1.9	4
28	Printed Cu source/drain electrode capped by CuO hole injection layer for organic thin film transistors. <i>Journal of Materials Chemistry</i> , 2011, 21, 10619.	6.7	27
29	Synthesis and characterisation of photopolymerisable liquid crystals based on the Æ-extended fluorene core and their corresponding non-reactive analogues. <i>Liquid Crystals</i> , 2011, 38, 589-599.	2.2	7
30	Synthesis and Structure of Calix[n]bifurano[n]thiophene (n = 2-5) Hybrid Macrocycles. <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 3094-3096.	1.9	0
31	Mesomorphic phase transition behaviour of photopolymerisable liquid crystalline triphenylene ether compounds. <i>Liquid Crystals</i> , 2009, 36, 1451-1457.	2.2	6
32	Thermally Cross-Linkable Hole-Transporting Materials for Improving Hole Injection in Multilayer Blue-Emitting Phosphorescent Polymer Light-Emitting Diodes. <i>Macromolecules</i> , 2008, 41, 9570-9580.	4.8	89
33	Thermally Cross-Linkable Hole-Transporting Materials on Conducting Polymer: Synthesis, Characterization, and Applications for Polymer Light-Emitting Devices. <i>Chemistry of Materials</i> , 2008, 20, 413-422.	6.7	119
34	Ultralarge and Thermally Stable Electro-Optic Activities from Supramolecular Self-Assembled Molecular Glasses. <i>Journal of the American Chemical Society</i> , 2007, 129, 488-489.	13.7	300
35	Nanostructured Functional Block Copolymers for Electrooptic Devices. <i>Macromolecules</i> , 2007, 40, 97-104.	4.8	30
36	Two-Photon Absorbing Block Copolymer as a Nanocarrier for Porphyrin: Energy Transfer and Singlet Oxygen Generation in Micellar Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2007, 129, 7220-7221.	13.7	74

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37	Diels-Alder "Click Chemistry" for Highly Efficient Electrooptic Polymers. <i>Macromolecules</i> , 2006, 39, 1676-1680.	4.8	125
38	LANTHANIDE(III)-CORED SUPRAMOLECULAR COMPLEXES WITH LIGHT-HARVESTING DENDRITIC ARRAYS FOR ADVANCED PHOTONICS APPLICATIONS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2005, 14, 555-564.	1.8	3
39	New synthetic methodology and luminescent properties of lanthanide-cored supramolecular complexes based on metalloporphyrins for optical amplification. <i>Materials Science and Engineering C</i> , 2004, 24, 257-260.	7.3	25
40	One-pot synthesis of new functionalized azacryptands from resorcinol derivatives for advanced photonic materials. <i>Tetrahedron Letters</i> , 2004, 45, 4519-4523.	1.4	11
41	Lanthanide-cored supramolecular systems with highly efficient light-harvesting dendritic arrays towards tomorrow's information technology. <i>Macromolecular Research</i> , 2003, 11, 133-145.	2.4	30
42	Synthesis of expanded calix[n]pyrroles and their furan or thiophene analogues. <i>Tetrahedron</i> , 2001, 57, 7323-7330.	1.9	54
43	Unusual phlorins from the oxidative coupling of pentapyromethanes: their facile conversion to meso-substituted porphyrins. <i>Tetrahedron Letters</i> , 2001, 42, 4527-4529.	1.4	25
44	Optimizing the synthesis of 5,10-disubstituted tripyromethanes. <i>Tetrahedron Letters</i> , 2000, 41, 4609-4613.	1.4	91
45	Expedient synthesis of corroles by oxidant-mediated, direct $\text{I}^{\pm}\text{-I}^{\pm}$ coupling of tetrapyrromethanes. <i>Tetrahedron Letters</i> , 2000, 41, 8121-8125.	1.4	48
46	New corrinoid macrocycles from Schiff-base forming reactions. <i>Tetrahedron Letters</i> , 1999, 40, 6799-6802.	1.4	11