Jong Chan Won

List of Publications by Year
in descending order

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55	1,425	304602	330025
papers	citations	22 h-index	37 g-index

56	56	56	2090
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highâ€“aspect ratio zeolitic imidazolate framework (ZIF) nanoplates for hydrocarbon separation membranes. Science Advances, 2022, 8, eabl6841.	4.7	40
2	A dual cross-linked aromatic polythiourea gate dielectric with multifunctional capabilities for organic field-effect transistors. Journal of Materials Chemistry C, 2021, 9, 77-81.	2.7	2
3	Scalable ultrarobust thermoconductive nonflammable bioinspired papers of graphene nanoplatelet crosslinked aramid nanofibers for thermal management and electromagnetic shielding. Journal of Materials Chemistry A, 2021, 9, 8527-8540.	5.2	53
4	Tailored Polymer Gate Dielectric Engineering to Optimize Flexible Organic Field-Effect Transistors and Complementary Integrated Circuits. ACS Applied Materials & Interfaces, 2021, 13, 30921-30929.	4.0	11
5	Resistâ€•and Etchingâ€Free Patterning Mediated by Predefined Photosensitive Polyimide for Twoâ€Dimensional Semiconductorâ€Based Photodetectors. Advanced Materials Interfaces, 2021, 8, 2001817.	1.9	7
6	Eco-Friendly Water-Processable Polyimide Binders with High Adhesion to Silicon Anodes for Lithium-Ion Batteries. Nanomaterials, 2021, 11, 3164.	1.9	13
7	Porous boron nitride/polyimide composite films with high thermal diffusivity and low dielectric properties via high internal phase Pickering emulsion method. Journal of Industrial and Engineering Chemistry, 2020, 82, 173-179.	2.9	31
8	Ultrathin thermally conductive yet electrically insulating exfoliated graphene fluoride film for high performance heat dissipation. Carbon, 2020, 157, 741-749.	5.4	69
9	Highly Stable Porous Polyimide Sponge as a Separator for Lithium-Metal Secondary Batteries. Nanomaterials, 2020, 10, 1976.	1.9	6
10	Enhanced hydrolytic and electrical stability of eco-friendly processed polyimide gate dielectrics for organic transistors. Journal of Materials Chemistry C, 2020, 8, 14370-14377.	2.7	7
11	Highly conductive polyimide nanocomposite prepared using a graphene oxide liquid crystal scaffold. Carbon, 2020, 169, 155-162.	5.4	18
12	Room-temperature, printed, low-voltage, flexible organic field-effect transistors using soluble polyimide gate dielectrics. APL Materials, 2020, 8, 011112.	2.2	18
13	Laser-induced photothermal generation of flexible and salt-resistant monolithic bilayer membranes for efficient solar desalination. Carbon, 2020, 164, 349-356.	5.4	51
14	The true liquid crystal phases of 2D polymeric carbon nitride and macroscopic assembled fibers. Materials Horizons, 2019, 6, 1726-1732.	6.4	9
15	Low-Temperature Solution-Processed Soluble Polyimide Gate Dielectrics: From Molecular-Level Design to Electrically Stable and Flexible Organic Transistors. ACS Applied Materials & Interfaces, 2019, 11, 45949-45958.	4.0	34
16	Polyimide-Coated Glass Microfiber as Polysulfide Perm-Selective Separator for High-Performance Lithium-Sulphur Batteries. Nanomaterials, 2019, 9, 1612.	1.9	7
17	Viscoelastic properties of a 3D-Printable high-dielectric paste with surface-modified BaTiO3. Composites Science and Technology, 2018, 159, 225-231.	3.8	9
18	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.	2.0	11

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19	Solution-Processable, Thin, and High-Î¹ Dielectric Polyurea Gate Insulator with Strong Hydrogen Bonding for Low-Voltage Organic Thin-Film Transistors. ACS Applied Materials & Interfaces, 2018, 10, 32462-32470.	4.0	25
20	Surface-induced orientation of pentacene molecules and transport anisotropy on nanogroove SiO2 dielectric layer by simple scratched method: The study of surface roughness and molecular alignment on the mobility of organic thin film transistors. Organic Electronics, 2017, 42, 316-321.	1.4	5
21	Enhanced dielectric properties of polyimide/BaTiO3 nanocomposite by embedding the polypyrrole@polyimide core-shell nanoparticles. Macromolecular Research, 2017, 25, 290-296.	1.0	8
22	Metal-oxide assisted surface treatment of polyimide gate insulators for high-performance organic thin-film transistors. Physical Chemistry Chemical Physics, 2017, 19, 15521-15529.	1.3	11
23	Highly anisotropic thermal conductivity of discotic nematic liquid crystalline films with homeotropic alignment. Chemical Communications, 2017, 53, 8227-8230.	2.2	23
24	Robust photonic microparticles comprising cholesteric liquid crystals for anti-forgery materials. Journal of Materials Chemistry C, 2017, 5, 7567-7573.	2.7	37
25	Synthesis and Characterization of Polyimide with Improved Adhesion Property for Copper Foil. Porrime, 2017, 41, 882-888.	0.0	2
26	Preparation and Characterization of BaTiOâ‚ƒ/Polyimide Composite Nanofibers and Nanocomposites via Electrospinning with Enhanced Dielectric Properties. Porrime, 2017, 41, 978-983.	0.0	0
27	Nano-scale insulation effect of polypyrrole/polyimide coreâ€“shell nanoparticles for dielectric composites. Composites Science and Technology, 2016, 129, 153-159.	3.8	23
28	The effect of thermal annealing on the layered structure of smectic liquid crystalline organic semiconductor on polyimide gate insulator and its OFET performance. Synthetic Metals, 2016, 220, 311-317.	2.1	19
29	Siteâ€Selective Multiâ€Stacked Assembly of Silver Nanoparticles on Amineâ€Functionalized Printed Patterns: Comparative Studies on the Role of Electrostatic Interaction and Meniscus. Advanced Materials Interfaces, 2015, 2, 1500129.	1.9	3
30	Reconfigurable Photonic Capsules Containing Cholesteric Liquid Crystals with Planar Alignment. Angewandte Chemie - International Edition, 2015, 54, 15266-15270.	7.2	73
31	Thermally conductive polyamide 6/carbon filler composites based on a hybrid filler system. Science and Technology of Advanced Materials, 2015, 16, 065001.	2.8	25
32	Robust Microfluidic Encapsulation of Cholesteric Liquid Crystals Toward Photonic Ink Capsules. Advanced Materials, 2015, 27, 627-633.	11.1	111
33	The Preparation of Sizeâ€<scp>C</scp>ontrollable Hollow Polyimide Microspheres by Surface Imidization of Electrosprayed Droplets. Macromolecular Materials and Engineering, 2014, 299, 424-429.	1.7	6
34	Polymeric mold soft-patterned metal oxide field-effect transistors: critical factors determining device performance. Journal of Materials Chemistry C, 2014, 2, 8486-8491.	2.7	6
35	Thermal conductivity improvement of surface-enhanced polyetherimide (PEI) composites using polyimide-coated h-BN particles. Physical Chemistry Chemical Physics, 2014, 16, 20041.	1.3	58
36	Effect of graphite and carbon fiber contents on the morphology and properties of thermally conductive composites based on polyamide 6. Polymer International, 2014, 63, 151-157.	1.6	72

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37	The Novel Diamine, Dianhydride, and Polyimide Based on Anthracene Core. Materials Research Society Symposia Proceedings, 2014, 1692, 13.	0.1	0
38	Solventâ€Free Directed Patterning of a Highly Ordered Liquid Crystalline Organic Semiconductor via Templateâ€Assisted Selfâ€Assembly for Organic Transistors. Advanced Materials, 2013, 25, 6219-6225.	11.1	73
39	Thermal conductivity of graphite filled liquid crystal polymer composites and theoretical predictions. Composites Science and Technology, 2013, 88, 113-119.	3.8	55
40	Photo-patternable polyimide gate insulator with fluorine groups for improving performance of 2,7-didecyl[1]benzothieno[3,2-b][1]benzothiopene (C10-BTBT) thin-film transistors. Organic Electronics, 2013, 14, 1777-1786.	1.4	30
41	Preparation and Characterization of Transparent Polyimide/Silica Composite Films by a Sol-Gel Reaction. Molecular Crystals and Liquid Crystals, 2013, 584, 9-17.	0.4	1
42	Surface modification of polyimide gate insulators for solution-processed 2,7-didecyl[1]benzothieno[3,2-b][1]benzothiophene (C₁₀-BTBT) thin-film transistors. Physical Chemistry Chemical Physics, 2013, 15, 950-956.	1.3	26
43	Facile fabrication of superhydrophobic coatings with polyimide particles using a reactive electrospraying process. Journal of Materials Chemistry, 2012, 22, 16005.	6.7	29
44	Barium Titanate Nanoparticles with Diblock Copolymer Shielding Layers for High-Energy Density Nanocomposites. Chemistry of Materials, 2010, 22, 450-456.	3.2	149
45	Extended lifetime of pentacene thin-film transistor with polyvinyl alcohol (PVA)/layered silicate nanocomposite passivation layer. Microelectronic Engineering, 2009, 86, 41-46.	1.1	15
46	Changing the dielectric properties of BaTiO3 filled poly(phenylene oxide) composites by control of their structure. Applied Physics Letters, 2009, 95, 052907.	1.5	6
47	Preparation and characteristics of crossâ€linkable polysulfone having methylene methacrylate sideâ€chain. Journal of Applied Polymer Science, 2008, 109, 1-8.	1.3	18
48	Hollow hybrid spheres with silica inner shell for non-deformable, core exchangeable properties. Chemical Communications, 2008, , 5405.	2.2	7
49	Lifetime enhancement of organic thin-film transistors protected with organic layer. Applied Physics Letters, 2008, 92, .	1.5	31
50	Synthesis and characterization of new polyimides containing ethynylene linkages. European Polymer Journal, 2007, 43, 1541-1548.	2.6	10
51	Sonocrystallization of polycarbonate melts. Polymers for Advanced Technologies, 2007, 18, 1015-1019.	1.6	5
52	Preparation and properties of transparent poly(methyl methacrylate) nanocomposite films. Composite Interfaces, 2006, 13, 205-214.	1.3	0
53	Studies of Thermal Imidization Kinetics of Polyisoimide Based upon 4,4â€²-[1,4-Phenylenebis-(1-methyl) Tj ETQq1 1 0.784314 rgBT /Ov 2005, 17, 19-34.	0.8	5
54	Enhancement of the thermal stability, mechanical properties and morphologies of recycled PVC/clay nanocomposites. Polymer Bulletin, 2004, 52, 373-380.	1.7	41

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55	Porous polyimide films prepared by thermolysis of porogens with hyperbranched structure. Journal of Applied Polymer Science, 2004, 93, 1711-1718.	1.3	4