

Hyun Min Jung

List of Publications by Year in descending order

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35
papers

1,457
citations

471509

17
h-index

434195

31
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all docs

42
docs citations

42
times ranked

1976
citing authors

#	ARTICLE	IF	CITATIONS
1	One-Pot Synthesis of Diarylalkynes Using Palladium-Catalyzed Sonogashira Reaction and Decarboxylative Coupling of sp Carbon and sp^2 Carbon. <i>Organic Letters</i> , 2008, 10, 945-948.	4.6	281
2	Baylis-Hillman Mechanism: A New Interpretation in Aprotic Solvents. <i>Organic Letters</i> , 2005, 7, 147-150.	4.6	184
3	Barium Titanate Nanoparticles with Diblock Copolymer Shielding Layers for High-Energy Density Nanocomposites. <i>Chemistry of Materials</i> , 2010, 22, 450-456.	6.7	149
4	Aminocarbonylation of Aryl Halides Using a Nickel Phosphite Catalytic System. <i>Organic Letters</i> , 2007, 9, 4615-4618.	4.6	116
5	Fluorinated Polyimide as a Novel High-Voltage Binder for High-Capacity Cathode of Lithium Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1704690.	14.9	100
6	Synthesis and Characterization of Cross-Linked Reverse Micelles. <i>Journal of the American Chemical Society</i> , 2003, 125, 5351-5355.	13.7	76
7	Fluoropropane sultone as an SEI-forming additive that outperforms vinylene carbonate. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11975.	10.3	76
8	Performance Enhancement of 4.8 V $Li_{1.2}Mn_{0.525}Ni_{0.175}Co_{0.1}O_2$ Battery Cathode Using Fluorinated Linear Carbonate as a High-Voltage Additive. <i>Journal of the Electrochemical Society</i> , 2014, 161, A2002-A2011.	2.9	68
9	Non-flammable $LiNi_{0.8}Co_{0.1}Mn_{0.1}O_2$ cathode via functional binder; stabilizing high-voltage interface and performance for safer and high-energy lithium rechargeable batteries. <i>Electrochimica Acta</i> , 2019, 317, 711-721.	5.2	43
10	Fully aromatic polyimide gate insulators with low temperature processability for pentacene organic thin-film transistors. <i>Organic Electronics</i> , 2009, 10, 12-17.	2.6	40
11	Enhanced Catalytic Performance by Zirconium Phosphate-Modified SiO_2 -Supported $Ru^{II}Co$ Catalyst for Fischer-Tropsch Synthesis. <i>ChemCatChem</i> , 2011, 3, 1342-1347.	3.7	39
12	Palladium-catalyzed cross-coupling of trimethoxysilylbenzene with aryl bromides and chlorides using phosphite ligands. <i>Tetrahedron Letters</i> , 2006, 47, 8673-8678.	1.4	38
13	Thin cathode for thermal batteries using a tape-casting process. <i>Ceramics International</i> , 2017, 43, 5789-5793.	4.8	30
14	Facile fabrication of superhydrophobic coatings with polyimide particles using a reactive electro-spraying process. <i>Journal of Materials Chemistry</i> , 2012, 22, 16005.	6.7	29
15	Enhanced catalytic glycolysis conditions for chemical recycling of glycol-modified poly(ethylene Terephthalate). <i>Journal of Applied Polymer Science</i> , 2018, 141, 4651-4658.	0.784314	5.8
16	Nano-scale insulation effect of polypyrrole/polyimide core-shell nanoparticles for dielectric composites. <i>Composites Science and Technology</i> , 2016, 129, 153-159.	7.8	23
17	Palladium-Catalyzed Carbonylation with $Mo(CO)_6$ for the Synthesis of Benzoylacetone. <i>Synthesis</i> , 2012, 44, 2885-2888.	2.3	21
18	Preparation of copper(II) oxide bound on polystyrene beads and its application in the aryl aminations: synthesis of Imatinib. <i>Tetrahedron Letters</i> , 2012, 53, 6657-6661.	1.4	14

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19	Synergistic Effects of Fe ₂ O ₃ Nanotube/Polyaniline Composites for an Electrochemical Supercapacitor with Enhanced Capacitance. <i>Nanomaterials</i> , 2021, 11, 1557.	4.1	14
20	Preparation of polymer-bound palladium catalyst and its application to the reduction of nitro arenes and the hydrodehalogenation of aryl halides. <i>Journal of Organometallic Chemistry</i> , 2014, 755, 7-11.	1.8	13
21	Synthesis of Phosphinodiselenoic Acid Ester Derivatives and their Application in the Controlled Radical Polymerization of Styrene. <i>Bulletin of the Korean Chemical Society</i> , 2009, 30, 2129-2131.	1.9	13
22	Poly(imide-co-siloxane) as a Thermo-Stable Binder for a Thin Layer Cathode of Thermal Batteries. <i>Energies</i> , 2018, 11, 3154.	3.1	10
23	Interfacial generation of plates assembled with \pm -Fe ₂ O ₃ nano-flakes for electrochemical capacitors. <i>Journal of Electroanalytical Chemistry</i> , 2016, 770, 44-49.	3.8	9
24	Copper-catalyzed Synthesis of Amino-substituted Polycyclic Aromatic Hydrocarbons by the Sequential Reaction between Aryl Alkynyl Carboxylic Acids and Amines. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 969-974.	2.7	8
25	Enhanced dielectric properties of polyimide/BaTiO ₃ nanocomposite by embedding the polypyrrole@polyimide core-shell nanoparticles. <i>Macromolecular Research</i> , 2017, 25, 290-296.	2.4	8
26	Amide-based oligomers for low-viscosity composites of polyamide 66. <i>Macromolecular Research</i> , 2017, 25, 1000-1006.	2.4	8
27	Hollow hybrid spheres with silica inner shell for non-deformable, core exchangeable properties. <i>Chemical Communications</i> , 2008, , 5405.	4.1	7
28	The Preparation of Size-controllable Hollow Polyimide Microspheres by Surface Imidization of Electrospayed Droplets. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 424-429.	3.6	6
29	Ligand-free Palladium-Catalyzed Mizoroki-Heck-type Reaction of Arylboronic Acids and Alkenes Using Silver Cation. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 1789-1792.	1.9	5
30	Suzuki-Miyaura Coupling Reactions Using Phosphite Ligands. <i>Synthesis</i> , 2009, 2009, 2073-2075.	2.3	2
31	Glycolysis reactivity of D-isosorbide-containing copolyesters for chemical recycling of glycol-modified polyesters. <i>Polymer Degradation and Stability</i> , 2020, 180, 109300.	5.8	1
32	Controlled ionic complexation of positively charged phenylene-based conjugated polymers by modulated backbone structures. <i>Polymer International</i> , 2018, 67, 1629-1637.	3.1	0
33	Preparation of Aminosiloxane-grafted Poly(imidesiloxane) Copolymer and its Morphology and Adhesive Properties in Film. <i>Porrime</i> , 2013, 37, 547-552.	0.2	0
34	Preparation of Thermostable Polyimide/Polysiloxane Double Layered Films with Pressure-sensitive Adhesion Property. <i>Porrime</i> , 2014, 38, 544-549.	0.2	0
35	Catalyzed Transesterification Kinetics in Early Stage of Polycarbonate Melt Polymerization. <i>Porrime</i> , 2015, 39, 235-239.	0.2	0