

Tae-Ho Yoon

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52
papers

711
citations

16
h-index

25
g-index

52
ext. papers

754
ext. citations

3.5
avg, IF

3.72
L-index

#	Paper	IF	Citations
52	Synthesis and characterization of novel polyimides with 2,2-bis[4(4-aminophenoxy)phenyl]phthalein-3,5-bis(trifluoromethyl)anilide. <i>Journal of Polymer Science Part A</i> , 2003 , 41, 3361-3374	2.5	55
51	Synthesis and characterization of novel 3,6-di[3,5-bis(trifluoromethyl)phenyl]pyromellitic dianhydride for polyimide synthesis. <i>Journal of Polymer Science Part A</i> , 2002 , 40, 4217-4227	2.5	49
50	Effects of molecular weight of polysulfone on phase separation behavior for cyanate ester/polysulfone blends. <i>Journal of Applied Polymer Science</i> , 2000 , 77, 921-927	2.9	48
49	Synthesis and characterization of polyimides from bis(3-aminophenyl)-4-(1-adamantyl)phenoxyphenyl phosphine oxide. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 2567-2578	2.5	43
48	Enhanced interfacial adhesion of ultra-high molecular weight polyethylene (UHMWPE) fibers by oxygen plasma treatment. <i>Journal of Adhesion Science and Technology</i> , 1998 , 12, 731-748	2	36
47	Plasma surface modification of silica and its effect on properties of styrene-Butadiene rubber compound. <i>Polymer International</i> , 2002 , 51, 510-518	3.3	34
46	Adhesive and Thermo-Mechanical Behavior of Phosphorus-Containing Thermoplastic Polyimides 1995 , 55, 165-177		33
45	Effect of solubility and miscibility on the adhesion behavior of polymer-coated carbon fibers with vinyl ester resins. <i>Journal of Applied Polymer Science</i> , 2001 , 79, 1042-1053	2.9	28
44	Synthesis and characterization of novel polyimide from bis-(3-aminophenyl)-4-(trifluoromethyl)phenyl phosphine oxide. <i>Journal of Polymer Science Part A</i> , 2001 , 39, 3335-3347	2.5	27
43	Digital memory behaviors of aromatic polyimides bearing bis(trifluoromethyl)- and bithiophenyl-triphenylamine units. <i>Polymer</i> , 2012 , 53, 1703-1710	3.9	26
42	Adhesive and dielectric properties of novel polyimides with bis(3,3'-aminophenyl)-2,3,5,6-tetrafluoro-4-trifluoromethyl phenyl phosphine oxide (mDA7FPPO). <i>European Polymer Journal</i> , 2009 , 45, 1652-1658	5.2	24
41	Surface Modification via Plasma Polymerization of Allylamine for Antibody Immobilization. <i>Macromolecular Symposia</i> , 2007 , 249-250, 61-66	0.8	24
40	Plasma etching and plasma polymerization coating of carbon fibers. Part 1. Interfacial adhesion study. <i>Journal of Adhesion Science and Technology</i> , 2002 , 16, 1809-1823	2	22
39	Plasma-modified halloysite nanocomposites: effect of plasma modification on the structure and dynamic mechanical properties of halloysite/polystyrene nanocomposites. <i>Polymer International</i> , 2010 , 59, 1492-1498	3.3	19
38	Synthesis and characterization of polyimides from triphenylamine-based diamine monomers with thiophene or trifluoromethyl side group. <i>Synthetic Metals</i> , 2010 , 160, 1938-1944	3.6	17
37	Enhanced adhesion of steel filaments to rubber via plasma etching and plasma-polymerized coatings. <i>Journal of Adhesion Science and Technology</i> , 2001 , 15, 467-481	2	16
36	Adhesion property of novel polyimides with 1-[3,5-bis(trifluoromethyl)phenyl] pyromellitic dianhydride. <i>Journal of Applied Polymer Science</i> , 2005 , 96, 1801-1809	2.9	15

35	Synthesis and characterization of polyimides from 4-(diphenyl phosphine oxide)phenyl pyromellitic dianhydride. <i>Journal of Applied Polymer Science</i> , 2012 , 123, 3298-3308	2.9	14
34	Synthesis and characterization of poly(triphenylamine)s with electron-withdrawing trifluoromethyl side groups for emissive and hole-transporting layer. <i>Synthetic Metals</i> , 2011 , 161, 2092-2096	3.6	13
33	Synthesis and property measurements of polyimides with substituted pyromellitic dianhydride for flexible printed circuits applications. <i>Journal of Applied Polymer Science</i> , 2010 , 117, 736-741	2.9	13
32	Adhesive and flame resistance behavior of poly(arylene ether phosphine oxide) (PEPO) and PEPO-modified epoxy resins. <i>Journal of Applied Polymer Science</i> , 2001 , 80, 1198-1205	2.9	11
31	Morphological Control over ZnO Nanostructures from Self-Emulsion Polymerization. <i>Crystal Growth and Design</i> , 2016 , 16, 3905-3911	3.5	11
30	Nanocomposite Supercapacitor Electrode from Sulfonated Graphene Oxide and Poly(pyrrole-(biphenyldisulfonic acid)-pyrrole). <i>ACS Applied Energy Materials</i> , 2020 , 3, 6743-6751	6.1	10
29	Preparation of gold patterns on polyimide coating via layer-by-layer deposition of gold nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2010 , 352, 11-8	9.3	10
28	Flexible Transparent Nanogenerators Utilizing Shape-Modulated ZnO Nanorod Arrays on Graphene Electrodes. <i>Advanced Materials Technologies</i> , 2018 , 3, 1700355	6.8	9
27	Sonication-assisted layer-by-layer deposition of gold nanoparticles for highly conductive gold patterns. <i>Ultrasonics Sonochemistry</i> , 2012 , 19, 621-6	8.9	9
26	Preparation of gamma-APS monolayer with complete coverage via contact printing. <i>Journal of Colloid and Interface Science</i> , 2009 , 336, 393-7	9.3	9
25	Synthesis and characterization of semicrystalline cycloaliphatic polyester/poly(dimethylsiloxane) segmented copolymers. <i>Journal of Polymer Science Part A</i> , 1997 , 35, 3495-3506	2.5	8
24	Curing and toughening of a styrene-modified epoxy resin. <i>Journal of Applied Polymer Science</i> , 2001 , 80, 1504-1513	2.9	8
23	Enhanced interfacial adhesion of carbon fibers to vinyl ester resin using poly(arylene ether phosphine oxide) coatings as adhesion promoters. <i>Journal of Adhesion Science and Technology</i> , 2000 , 14, 545-559	2	8
22	Effect of Surface Area on the Interfacial Adhesion of UHMWPE fibers. <i>Journal of Polymer Engineering</i> , 1998 , 18, 49-62	1.4	8
21	Electrochemical properties of polypropylene membranes modified by the plasma polymerization coating of SO ₂ /acetylene. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 3692-3699	2.9	7
20	Enhanced fracture toughness of epoxy resins with novel amine-terminated poly(arylene ether sulfone)carboxylic-terminated butadiene-acrylonitrilepoly(arylene ether sulfone) triblock copolymers. <i>Journal of Applied Polymer Science</i> , 2002 , 84, 1556-1565	2.9	6
19	Synthesis and characterization of novel poly(2-methoxy-(5-(6-(dimethylphosphonate)-hexyloxy)-1,4-phenylenevinylene-ran-2-methoxy-5-(2-ethylhexyloxy)-1,4-pyridine) (MEH-PO-PPVs) and their tunable emission colors. <i>European Polymer Journal</i> , 2010 , 46, 2282-2289	2.5	6
18	Self-emulsion polymerization of amphiphilic monomers green route to synthesis of polymeric nanoscaffolds. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 1165-1172	2.5	4

17	Few-layer-graphene with high yield and low sheet resistance via mild oxidation of natural graphite. <i>RSC Advances</i> , 2017 , 7, 35717-35723	3.7	4
16	Titanium 6/4 Single Lap Shear Adhesive Performance of Polyimide Homopolymers and Poly(Siloxane Imide) Segmented Copolymers. <i>Materials Research Society Symposia Proceedings</i> , 1989 , 153, 211		4
15	Preparation of highly conductive gold patterns on polyimide via shaking-assisted layer-by-layer deposition of gold nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 393, 27-31	5.1	3
14	Plasma polymerization coating of silica fillers for Epoxy Molding Compounds (EMCs). <i>Journal of Adhesion Science and Technology</i> , 2003 , 17, 383-396	2	3
13	Adhesion properties of 12FPMDA-based polyimides containing a trifluoromethylphenyl moiety. <i>Journal of Adhesion Science and Technology</i> , 2003 , 17, 1669-1684	2	3
12	Adhesion property of novel polyimides containing fluorine and phosphine oxide moieties. <i>Journal of Adhesion Science and Technology</i> , 2001 , 15, 1787-1803	2	3
11	Monolithic carbon xerogel with co-continuous hierarchical porosity one-step, template- and catalyst-free hydrothermal reaction with resorcinol and formaldehyde.. <i>RSC Advances</i> , 2019 , 9, 9480-9485	3.7	2
10	Template-free synthesis of monolithic carbon xerogels with hierarchical porosity from resorcinol and formaldehyde hydrothermal reaction.. <i>RSC Advances</i> , 2018 , 8, 21326-21331	3.7	2
9	Adhesion property of sulfonated poly(arylene ether sulfone)s. <i>Journal of Applied Polymer Science</i> , 2004 , 93, 1211-1218	2.9	2
8	Electrochemical properties of an activated carbon xerogel monolith from resorcinol-formaldehyde for supercapacitor electrode applications.. <i>RSC Advances</i> , 2021 , 11, 33192-33201	3.7	2
7	Millstone Exfoliation: a True Shear Exfoliation for Large-Size Few-Layer Graphene Oxide. <i>Nanoscale Research Letters</i> , 2018 , 13, 186	5	2
6	Effect of the thermal history of a rubber composite on the adhesion strength. <i>Polymer International</i> , 2004 , 53, 344-348	3.3	1
5	Electrochemical properties of kenaf-based activated carbon monolith for supercapacitor electrode applications.. <i>RSC Advances</i> , 2021 , 11, 38515-38522	3.7	1
4	Flexible Nanogenerators: Flexible Transparent Nanogenerators Utilizing Shape-Modulated ZnO Nanorod Arrays on Graphene Electrodes (Adv. Mater. Technol. 4/2018). <i>Advanced Materials Technologies</i> , 2018 , 3, 1870014	6.8	
3	Adhesion Property of Novel Polyimides Containing Fluorine and Phosphine Oxide Moieties. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 734, 291		
2	Effect of Surface Preparation and Thermoplastic Adhesive Structure on the Adhesion Behavior of Peek /Graphite Composites. <i>Materials Research Society Symposia Proceedings</i> , 1990 , 190, 137		
1	Synthesis and characterization of novel polyimides with diamines containing thiophene moieties. <i>Rapid Communication in Photoscience</i> , 2012 , 1, 27-29		