Tae-Ho Yoon

List of Publications by Year in Descending Order

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	Electrochemical properties of kenaf-based activated carbon monolith for supercapacitor electrode applications.. *RSC Advances*, **2021**, 11, 38515-38522	3.7	1
51	Electrochemical properties of an activated carbon xerogel monolith from resorcinol-formaldehyde for supercapacitor electrode applications.. *RSC Advances*, **2021**, 11, 33192-33201	3.7	2
50	Nanocomposite Supercapacitor Electrode from Sulfonated Graphene Oxide and Poly(pyrrole-(biphenyldisulfonic acid)-pyrrole). *ACS Applied Energy Materials*, **2020**, 3, 6743-6751	6.1	10
49	Self-emulsion polymerization of amphiphilic monomers□ green route to synthesis of polymeric nanoscaffolds. *Journal of Polymer Science Part A*, **2019**, 57, 1165-1172	2.5	4
48	Monolithic carbon xerogel with co-continuous hierarchical porosity one-step, template- and catalyst-free hydrothermal reaction with resorcinol and formaldehyde.. *RSC Advances*, **2019**, 9, 9480-9485	3.7	2
47	Flexible Nanogenerators: Flexible Transparent Nanogenerators Utilizing Shape-Modulated ZnO Nanorod Arrays on Graphene Electrodes (Adv. Mater. Technol. 4/2018). *Advanced Materials Technologies*, **2018**, 3, 1870014	6.8	
46	Flexible Transparent Nanogenerators Utilizing Shape-Modulated ZnO Nanorod Arrays on Graphene Electrodes. *Advanced Materials Technologies*, **2018**, 3, 1700355	6.8	9
45	Template-free synthesis of monolithic carbon xerogels with hierarchical porosity from resorcinol and formaldehyde hydrothermal reaction.. *RSC Advances*, **2018**, 8, 21326-21331	3.7	2
44	Millstone Exfoliation: a True Shear Exfoliation for Large-Size Few-Layer Graphene Oxide. *Nanoscale Research Letters*, **2018**, 13, 186	5	2
43	Few-layer-graphene with high yield and low sheet resistance via mild oxidation of natural graphite. *RSC Advances*, **2017**, 7, 35717-35723	3.7	4
42	Morphological Control over ZnO Nanostructures from Self-Emulsion Polymerization. *Crystal Growth and Design*, **2016**, 16, 3905-3911	3.5	11
41	Sonication-assisted layer-by-layer deposition of gold nanoparticles for highly conductive gold patterns. *Ultrasonics Sonochemistry*, **2012**, 19, 621-6	8.9	9
40	Digital memory behaviors of aromatic polyimides bearing bis(trifluoromethyl)- and bithiophenyl-triphenylamine units. *Polymer*, **2012**, 53, 1703-1710	3.9	26
39	Synthesis and characterization of polyimides from 4-(diphenyl phosphine oxide)phenyl pyrromellitic dianhydride. *Journal of Applied Polymer Science*, **2012**, 123, 3298-3308	2.9	14
38	Preparation of highly conductive gold patterns on polyimide via shaking-assisted layer-by-layer deposition of gold nanoparticles. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2012**, 393, 27-31	5.1	3
37	Synthesis and characterization of novel polyimides with diamines containing thiophene moieties. *Rapid Communication in Photoscience*, **2012**, 1, 27-29		
36	Synthesis and characterization of poly(triphenylamine)s with electron-withdrawing trifluoromethyl side groups for emissive and hole-transporting layer. *Synthetic Metals*, **2011**, 161, 2092-2096	3.6	13

35	Synthesis and characterization of polyimides from triphenylamine-based diamine monomers with thiophene or trifluoromethyl side group. *Synthetic Metals*, **2010**, 160, 1938-1944	3.6	17
34	Synthesis and property measurements of polyimides with substituted pyromellitic dianhydride for flexible printed circuits applications. *Journal of Applied Polymer Science*, **2010**, 117, 736-741	2.9	13
33	Preparation of gold patterns on polyimide coating via layer-by-layer deposition of gold nanoparticles. *Journal of Colloid and Interface Science*, **2010**, 352, 11-8	9.3	10
32	Synthesis and characterization of novel poly(2-methoxy-(5-(6?-dimethylphosphonate)-hexyloxy)-1,4-phenylenevinylene-ran-2-methoxy-5-(2?-ethylhexyloxy)-1,4-p (MEH-PO-PPVs) and their tunable emission colors. *European Polymer Journal*, **2010**, 46, 2282-2289	3.2	9
31	Plasma-modified halloysite nanocomposites: effect of plasma modification on the structure and dynamic mechanical properties of halloysite polystyrene nanocomposites. *Polymer International*, **2010**, 59, 1492-1498	3.3	19
30	Adhesive and dielectric properties of novel polyimides with bis(3,3?-aminophenyl)-2,3,5,6-tetrafluoro-4-trifluoromethyl phenyl phosphine oxide (mDA7FPPO). *European Polymer Journal*, **2009**, 45, 1652-1658	5.2	24
29	Preparation of gamma-APS monolayer with complete coverage via contact printing. *Journal of Colloid and Interface Science*, **2009**, 336, 393-7	9.3	9
28	Surface Modification via Plasma Polymerization of Allylamine for Antibody Immobilization. *Macromolecular Symposia*, **2007**, 249-250, 61-66	0.8	24
27	Electrochemical properties of polypropylene membranes modified by the plasma polymerization coating of SO2/acetylene. *Journal of Applied Polymer Science*, **2006**, 99, 3692-3699	2.9	7
26	Synthesis and characterization of polyimides from bis(3-aminophenyl)-4-(1-adamantyl)phenoxyphenyl phosphine oxide. *Journal of Polymer Science Part A*, **2006**, 44, 2567-2578	2.5	43
25	Adhesion property of novel polyimides with 1-[3?,5?-bis(trifluoromethyl)phenyl] pyromellitic dianhydride. *Journal of Applied Polymer Science*, **2005**, 96, 1801-1809	2.9	15
24	Effect of the thermal history of a rubber composite on the adhesion strength. *Polymer International* , **2004**, 53, 344-348	3.3	1
23	Adhesion property of sulfonated poly(arylene ether sulfone)s. *Journal of Applied Polymer Science*, **2004**, 93, 1211-1218	2.9	2
22	Plasma polymerization coating of silica fillers for Epoxy Molding Compounds (EMCs). *Journal of Adhesion Science and Technology*, **2003**, 17, 383-396	2	3
21	Synthesis and characterization of novel polyimides with 2,2-bis[4(4-aminophenoxy)phenyl]phthalein-3?,5?-bis(trifluoromethyl)anilide. *Journal of Polymer Science Part A*, **2003**, 41, 3361-3374	2.5	55
20	Adhesion properties of 12FPMDA-based polyimides containing a trifluoromethylphenyl moiety. *Journal of Adhesion Science and Technology*, **2003**, 17, 1669-1684	2	3
19	Enhanced fracture toughness of epoxy resins with novel amine-terminated poly(arylene ether sulfone) carboxylic-terminated butadiene-acrylonitrile poly(arylene ether sulfone) triblock copolymers. *Journal of Applied Polymer Science*, **2002**, 84, 1556-1565	2.9	6
18	Plasma surface modification of silica and its effect on properties of styrene utadiene rubber compound. *Polymer International*, **2002**, 51, 510-518	3.3	34

17	Synthesis and characterization of novel 3,6-di[3?,5?-bis(trifluoromethyl)phenyl]pyromellitic dianhydride for polyimide synthesis. *Journal of Polymer Science Part A*, **2002**, 40, 4217-4227	2.5	49
16	Plasma etching and plasma polymerization coating of carbon fibers. Part 1. Interfacial adhesion study. *Journal of Adhesion Science and Technology*, **2002**, 16, 1809-1823	2	22
15	Adhesion Property of Novel Polyimides Containing Fluorine and Phosphine Oxide Moieties. *Materials Research Society Symposia Proceedings*, **2002**, 734, 291		
14	Synthesis and characterization of novel polyimide from bis-(3-aminophenyl)-4-(trifluoromethyl)phenyl phosphine oxide. *Journal of Polymer Science Part A*, **2001**, 39, 3335-3347	2.5	27
13	Effect of solubility and miscibility on the adhesion behavior of polymer-coated carbon fibers with vinyl ester resins. *Journal of Applied Polymer Science*, **2001**, 79, 1042-1053	2.9	28
12	Adhesive and flame resistance behavior of poly(arylene ether phosphine oxide) (PEPO) and PEPO-modified epoxy resins. *Journal of Applied Polymer Science*, **2001**, 80, 1198-1205	2.9	11
11	Curing and toughening of a styrene-modified epoxy resin. *Journal of Applied Polymer Science*, **2001**, 80, 1504-1513	2.9	8
10	Enhanced adhesion of steel filaments to rubber via plasma etching and plasma-polymerized coatings. *Journal of Adhesion Science and Technology*, **2001**, 15, 467-481	2	16
9	Adhesion property of novel polyimides containing fluorine and phosphine oxide moieties. *Journal of Adhesion Science and Technology*, **2001**, 15, 1787-1803	2	3
8	Effects of molecular weight of polysulfone on phase separation behavior for cyanate ester/polysulfone blends. *Journal of Applied Polymer Science*, **2000**, 77, 921-927	2.9	48
7	Enhanced interfacial adhesion of carbon fibers to vinyl ester resin using poly(arylene ether phosphine oxide) coatings as adhesion promoters. *Journal of Adhesion Science and Technology*, **2000**, 14, 545-559	2	8
6	Enhanced interfacial adhesion of ultra-high molecular weight polyethylene (UHMWPE) fibers by oxygen plasma treatment. *Journal of Adhesion Science and Technology*, **1998**, 12, 731-748	2	36
5	Effect of Surface Area on the Interfacial Adhesion of UHMWPE fibers. *Journal of Polymer Engineering*, **1998**, 18, 49-62	1.4	8
4	Synthesis and characterization of semicrystalline cycloaliphatic polyester/poly(dimethylsiloxane) segmented copolymers. *Journal of Polymer Science Part A*, **1997**, 35, 3495-3506	2.5	8
3	Adhesive and Thermo-Mechanical Behavior of Phosphorus-Containing Thermoplastic Polyimides **1995**, 55, 165-177		33
2	Effect of Surface Preparation and Thermoplastic Adhesive Structure on the Adhesion Behavior of Peek /Graphite Composites. *Materials Research Society Symposia Proceedings*, **1990**, 190, 137		
1	Titanium 6/4 Single Lap Shear Adhesive Performance of Polyimide Homopolymers and Poly(Siloxane Imide) Segmented Copolymers. *Materials Research Society Symposia Proceedings*, **1989**, 153, 211		4