

Junghwan Shin

List of Publications by Citations

Source: <https://exaly.com/author-pdf/434437/junghwan-shin-publications-by-citations.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

111
papers

4,497
citations

33
h-index

64
g-index

114
ext. papers

4,715
ext. citations

3.3
avg, IF

5.48
L-index

#	Paper	IF	Citations
111	Properties of Graphene/Waterborne Polyurethane Nanocomposites Cast from Colloidal Dispersion Mixtures. <i>Journal of Macromolecular Science - Physics</i> , 2012 , 51, 197-207	1.4	257
110	Synthesis of MWCNTs-core/thiophene polymer-sheath composite nanocables by a cationic surfactant-assisted chemical oxidative polymerization and their structural properties. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 1477-1484	2.5	253
109	Properties of Waterborne Polyurethane/Functionalized Graphene Sheet Nanocomposites Prepared by an in situ Method. <i>Macromolecular Chemistry and Physics</i> , 2009 , 210, 1247-1254	2.6	242
108	Morphology and properties of waterborne polyurethane/clay nanocomposites. <i>European Polymer Journal</i> , 2003 , 39, 85-91	5.2	233
107	Graphite oxides as effective fire retardants of epoxy resin. <i>Macromolecular Research</i> , 2011 , 19, 66-71	1.9	232
106	Morphological and physical properties of a thermoplastic polyurethane reinforced with functionalized graphene sheet. <i>Polymer International</i> , 2009 , 58, 412-417	3.3	217
105	Preparation and Physical Properties of Waterborne Polyurethane/Functionalized Graphene Sheet Nanocomposites. <i>Macromolecular Chemistry and Physics</i> , 2008 , 209, 2487-2493	2.6	207
104	Graphene Modified Lipophilically by Stearic Acid and its Composite With Low Density Polyethylene. <i>Journal of Macromolecular Science - Physics</i> , 2014 , 53, 1193-1204	1.4	170
103	Compatibility of Thermally Reduced Graphene with Polyesters. <i>Journal of Macromolecular Science - Physics</i> , 2016 , 55, 1099-1110	1.4	168
102	Segmented Polythiourethane Elastomers through Sequential Thiolene and Thiocyanate Reactions. <i>Macromolecules</i> , 2009 , 42, 3294-3301	5.5	141
101	Shape-memory behavior of segmented polyurethanes with an amorphous reversible phase: The effect of block length and content. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000 , 38, 2652-2657	2.6	118
100	Shape memory polyurethane containing amorphous reversible phase. <i>Journal of Materials Science</i> , 2000 , 35, 1579-1583	4.3	107
99	Functionalized graphene sheet/polyurethane nanocomposites: Effect of particle size on physical properties. <i>Macromolecular Research</i> , 2011 , 19, 809-814	1.9	92
98	Water vapor permeability of shape memory polyurethane with amorphous reversible phase. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000 , 38, 3009-3017	2.6	86
97	Temperature sensitive water vapour permeability and shape memory effect of polyurethane with crystalline reversible phase and hydrophilic segments. <i>Polymer International</i> , 2000 , 49, 1714-1721	3.3	79
96	Sound damping of a polyurethane foam nanocomposite. <i>Macromolecular Research</i> , 2007 , 15, 443-448	1.9	72
95	Novel stearic acid/graphene core-shell composite microcapsule as a phase change material exhibiting high shape stability and performance. <i>Solar Energy Materials and Solar Cells</i> , 2015 , 137, 227-234	6.4	66

94	Miscibility and shape memory property of poly(vinyl chloride)/thermoplastic polyurethane blends. <i>Journal of Materials Science</i> , 2001 , 36, 5457-5463	4.3	64
93	Preparation and Characterization of Poly(ethylene oxide)/Graphene Nanocomposites from an Aqueous Medium. <i>Journal of Macromolecular Science - Physics</i> , 2010 , 49, 802-809	1.4	60
92	Graphene prepared by thermal reduction/exfoliation of graphite oxide: Effect of raw graphite particle size on the properties of graphite oxide and graphene. <i>Materials Research Bulletin</i> , 2015 , 70, 651-657	5.1	55
91	Novel Thermo-responsive Polymers Tunable by pH. <i>Macromolecules</i> , 2011 , 44, 1628-1634	5.5	55
90	Synthesis and characterization of novel polyurethanes based on N1,N4-bis[(4-hydroxyphenyl)methylene]succinohydrazide hard segment. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 2315-2320	2.9	52
89	Properties of Graphene/Shape Memory Thermoplastic Polyurethane Composites Actuating by Various Methods. <i>Materials</i> , 2014 , 7, 1520-1538	3.5	51
88	Synthesis, characterization of novel dihydrazide containing polyurethanes based on N1,N2-bis[(4-hydroxyphenyl)methylene]ethanedihydrazide and various diisocyanates. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 3401-3407	2.9	47
87	Thermo-responsive ureido-derivatized polymers: the effect of quaternization on UCST properties. <i>Polymer Chemistry</i> , 2014 , 5, 2411	4.9	45
86	Shape memory and physical properties of poly(ethyl methacrylate)/Na-MMT nanocomposites prepared by macroazoinitiator intercalated in Na-MMT. <i>Composites Science and Technology</i> , 2008 , 68, 1919-1926	8.6	44
85	The properties of polyurethanes with mixed chain extenders and mixed soft segments. <i>Journal of Applied Polymer Science</i> , 1994 , 51, 43-49	2.9	43
84	Thiol-isocyanate-acrylate ternary networks by selective thiol-click chemistry. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 3255-3264	2.5	42
83	Enthalpy Relaxation of Photopolymerized Thiol-Ene Networks: Structural Effects. <i>Macromolecules</i> , 2008 , 41, 6741-6746	5.5	42
82	Synthesis and characterization of novel Schiff base polyurethanes. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 2747-2754	2.9	38
81	Waterborne polyurethane modified with poly(ethylene glycol) macromer for waterproof breathable coating. <i>Progress in Organic Coatings</i> , 2017 , 103, 69-75	4.8	37
80	Synthesis and characterization of novel polyurethanes based on 4-((4-hydroxyphenyl)iminomethyl)phenol. <i>Macromolecular Research</i> , 2008 , 16, 194-199	1.9	36
79	Characterization of mouthguard materials: physical and mechanical properties of commercialized products. <i>Dental Materials</i> , 2009 , 25, 771-80	5.7	33
78	Thermo-responsive fluorinated polyacrylamides with low cytotoxicity. <i>Polymer Chemistry</i> , 2013 , 4, 2219-2223	4.3	31
77	The modification of graphene with alcohols and its use in shape memory polyurethane composites. <i>Polymer International</i> , 2013 , 62, 54-63	3.3	31

76	Properties of waterborne polyurethane/nanosilica composite. <i>Macromolecular Research</i> , 2003 , 11, 198-201	2.1	31
75	Super-tough functionalized graphene paper as a high-capacity anode for lithium ion batteries. <i>Chemical Engineering Journal</i> , 2014 , 250, 257-266	14.7	30
74	Compatibility enhancement of ABS/PVC blends. <i>Journal of Applied Polymer Science</i> , 1998 , 70, 705-709	2.9	30
73	Structure and properties of EVOH/organoclay nanocomposites. <i>Journal of Materials Science</i> , 2005 , 40, 3783-3787	4.3	30
72	Ultralow density polyethylene blends with polypropylene. <i>Polymer Engineering and Science</i> , 1991 , 31, 944-953	2.3	30
71	Thermal and mechanical properties of thermoplastic polyurethane elastomers from different polymerization methods. <i>Polymer International</i> , 1993 , 31, 329-333	3.3	30
70	Alumina-coated graphene nanosheet and its composite of acrylic rubber. <i>Journal of Colloid and Interface Science</i> , 2014 , 416, 38-43	9.3	29
69	Effects of Chemical Modification of Thiol/Ene Networks on Enthalpy Relaxation. <i>Macromolecules</i> , 2009 , 42, 6549-6557	5.5	29
68	Solid-state functionalization of graphene with amino acids toward water-dispersity: implications on a composite with polyaniline and its characteristics as a supercapacitor electrode material. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12526	13	28
67	Morphology and properties of polyacrylonitrile/Na-MMT nanocomposites prepared via in-situ polymerization with macroazoinitiator. <i>Macromolecular Research</i> , 2006 , 14, 312-317	1.9	27
66	Shape memory effect of poly(methylene-1,3-cyclopentane) and its copolymer with polyethylene. <i>Polymer International</i> , 2002 , 51, 275-280	3.3	25
65	Compatibilizing effect of graphite oxide in graphene/PMMA nanocomposites. <i>Macromolecular Research</i> , 2009 , 17, 626-629	1.9	23
64	Characterization of mouthguard materials: thermal properties of commercialized products. <i>Dental Materials</i> , 2009 , 25, 1593-602	5.7	22
63	Binary blends of nylons with ethylene vinyl alcohol copolymers: Morphological, thermal, rheological, and mechanical behavior. <i>Polymer Engineering and Science</i> , 1990 , 30, 341-349	2.3	22
62	Melt rheology of poly(ethylene terephthalate), polyarylate, and their blends. <i>Journal of Applied Polymer Science</i> , 1990 , 40, 1805-1818	2.9	22
61	Electrically Conductive Graphene/Poly(methyl methacrylate) Composites with Ultra-Low Percolation Threshold by Electrostatic Self-Assembly in Aqueous Medium. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 770-782	2.6	21
60	Effect of graphene doping of holographic polymer-dispersed liquid crystals. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 1418-1423	2.5	21
59	Effect of pyrene treatment on the properties of graphene/epoxy nanocomposites. <i>Macromolecular Research</i> , 2010 , 18, 1125-1128	1.9	20

58	Effects of Monomer Functionality and Hydrogen Bonding on the Polymerization Kinetics and Properties of Thiol-Ene Networks. <i>Macromolecules</i> , 2009 , 42, 2994-2999	5.5	19
57	Properties of polythiourethanes prepared by thiol-βocyanate click reaction. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46070	2.9	18
56	Direct covalent modification of thermally exfoliated graphene forming functionalized graphene stably dispersible in water and poly(vinyl alcohol). <i>Colloid and Polymer Science</i> , 2013 , 291, 2365-2374	2.4	17
55	Physical and chemical modifications of thiol-ene networks to control activation energy of enthalpy relaxation. <i>Polymer</i> , 2009 , 50, 6281-6286	3.9	17
54	Properties of Waterborne Polyurethanes Based on Polycarbonate Diol Reinforced with Organophilic Clay. <i>Journal of Macromolecular Science - Physics</i> , 2003 , 42, 1249-1263	1.4	17
53	Properties of Waterborne Polyurethane/PMMA/Clay Hybrid Materials. <i>Journal of Macromolecular Science - Physics</i> , 2003 , 42, 1153-1167	1.4	17
52	Aluminum hydroxide-CNT hybrid material for synergizing the thermal conductivity of alumina sphere/thermoplastic polyurethane composite with minimal increase of electrical conductivity. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 33, 150-155	6.3	16
51	The properties of functionalized graphene sheet/poly(ethyl methacrylate) nanocomposites: The effects of preparation method. <i>Macromolecular Research</i> , 2011 , 19, 379-384	1.9	15
50	Thermoplastic polyurethane elastomer/thermoplastic polyolefin elastomer blends compatibilized with a polyolefinic segment in TPU. <i>Macromolecular Research</i> , 2010 , 18, 177-184	1.9	15
49	Effect of molecular structure on performance of electroactive ionic acrylic copolymer-βatinum composites. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 1732-1739	2.9	15
48	Preparation of poly(methyl methacrylate)/Na-MMT Nanocomposites via in-Situ polymerization with macroazoinitiator. <i>Macromolecular Research</i> , 2005 , 13, 102-106	1.9	14
47	Polyarylate-βpolystyrene block copolymer from macro-azoinitiator: Synthesis and its thermal properties. <i>Journal of Polymer Science Part A</i> , 1993 , 31, 435-441	2.5	14
46	Inorganic-βrganic hybrid nanoporous materials as adsorbent to remove VOCs. <i>Journal of Industrial and Engineering Chemistry</i> , 2008 , 14, 194-201	6.3	12
45	Dynamic mechanical properties of poly(vinyl chloride) and polyurethane carboxylate blends. <i>Journal of Applied Polymer Science</i> , 1994 , 51, 2187-2190	2.9	12
44	Characteristics of polystyrene/organoclay nanocomposites prepared by in-situ polymerization with macroazoinitiator containing poly(dimethylsiloxane) segment. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 2841-2847	2.9	11
43	Thermal and mechanical properties of the polymers synthesized by the sequential polymerization of propylene and 1-hexadecene. <i>Journal of Applied Polymer Science</i> , 2002 , 84, 1709-1715	2.9	11
42	Miscibility of thermoplastic polyurethane elastomers with chlorine-containing polymers. <i>Polymer International</i> , 1992 , 29, 115-120	3.3	11
41	Reactive hot melt polyurethane adhesives modified by acrylic copolymer nanocomposites. <i>Macromolecular Research</i> , 2009 , 17, 879-885	1.9	10

40	Properties of reactive hot melt polyurethane adhesives with acrylic polymer or macromonomer modifications. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 1757-1763	2.9	10
39	Preparation and characterization of electroactive acrylic polymer-platinum composites. <i>Macromolecular Research</i> , 2004 , 12, 593-597	1.9	10
38	Compatibilizing effect of polyarylate-polystyrene block copolymer in polyarylate/polystyrene blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1994 , 32, 21-28	2.6	10
37	Characterization of ultra low density polyethylenes (PE-ULD). <i>Angewandte Makromolekulare Chemie</i> , 1992 , 194, 91-101		10
36	Styrenic polymer/organoclay nanocomposite prepared via in-situ polymerization with an azoinitiator linked to an epoxy oligomer. <i>Macromolecular Research</i> , 2006 , 14, 610-616	1.9	9
35	Preparation and Characterization of Electroactive Anion-Exchange Acrylic Polymer/Gold Composites. <i>Journal of Macromolecular Science - Physics</i> , 2006 , 45, 789-799	1.4	9
34	The effect of organoclay on the properties of a reactive hot melt polyurethane adhesive. <i>Composite Interfaces</i> , 2007 , 14, 467-476	2.3	9
33	Modification of polystyrene by reactive extrusion with peroxide and trimethylolpropane triacrylate. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 1672-1679	2.9	9
32	Morphology and physical properties of SAN/NBR blends: The effect of AN content in NBR. <i>Journal of Applied Polymer Science</i> , 2000 , 78, 1861-1868	2.9	9
31	Graphenes for low percolation threshold in electroconductive nylon 6 composites. <i>Polymer International</i> , 2014 , 63, 1003-1010	3.3	8
30	Influence of interchange reactions on the miscibility of polyesterurethanes/polycarbonate binary blends. <i>Journal of Applied Polymer Science</i> , 1997 , 64, 2363-2369	2.9	8
29	Adhesion behavior of PDMS-containing polyimide to glass. <i>Journal of Adhesion Science and Technology</i> , 1998 , 12, 253-269	2	8
28	Thermal and mechanical properties of poly(esterurethane) modified by copolyamide segments of various molecular weight. <i>Polymer International</i> , 1995 , 36, 239-245	3.3	8
27	Graphene functionalized with poly(vinyl alcohol) as a Pickering stabilizer for suspension polymerization of poly(methyl methacrylate). <i>Journal of Colloid and Interface Science</i> , 2016 , 476, 47-54	9.3	8
26	Characteristics of Rubber/Sodium Montmorillonite Nanocomposites Prepared by a Novel Method. <i>Journal of Macromolecular Science - Physics</i> , 2007 , 46, 1151-1163	1.4	7
25	Thermal and mechanical properties of poly(ether urethane) modified by copolyamide segments. <i>Macromolecular Chemistry and Physics</i> , 1994 , 195, 2559-2567	2.6	7
24	Miscibility of polyarylate/phenoxy/poly(butylene terephthalate) ternary blends. <i>Angewandte Makromolekulare Chemie</i> , 1991 , 192, 133-144		7
23	Miscibility of tetramethyl polysulfone and poly(styrene-co-acrylonitrile). <i>Macromolecular Rapid Communications</i> , 1994 , 15, 265-270	4.8	6

22	The Properties of Reactive Hot Melt Polyurethane Adhesives: Effects of Molecular Weight and Reactive Organoclay. <i>Polymer-Plastics Technology and Engineering</i> , 2009 , 48, 932-938		5
21	Acrylic copolymer intercalated in sodium montmorillonite: a modifier of reactive hot melt polyurethane adhesive. <i>Composite Interfaces</i> , 2008 , 15, 577-587	2.3	5
20	The Effect of Cross-Linking on the Actuation of an Electroactive IPMC Prepared with a Fluorinated Acrylic Copolymer. <i>Journal of Macromolecular Science - Physics</i> , 2006 , 45, 119-130	1.4	5
19	Sodium montmorillonite intercalated with poly(ethylene glycol): a modifier of reactive hot-melt polyurethane adhesive. <i>Journal of Adhesion Science and Technology</i> , 2007 , 21, 841-853	2	5
18	Influence of copolymer composition of polyestercarbonate on miscibility with poly(butylene terephthalate). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000 , 38, 803-811	2.6	5
17	Morphology and physical properties of SAN/NBR blends: The effect of AN content and melt viscosity of SAN 1999 , 73, 935-941		5
16	Poly(methyl methacrylate)/Graphene Microparticles Having a Core/Shell Structure Prepared with Carboxylated Graphene as a Pickering Stabilizer. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 570-580	2.6	4
15	Maleic anhydride grafted polyethylene powder coated with epoxy resin: A novel reactive hot melt adhesive. <i>Journal of Applied Polymer Science</i> , 2010 , 116, 328-332	2.9	4
14	Morphology and Physical Properties of ABS/NBR: The Effect of Melt Viscosity of SAN and the Content of NBR. <i>Journal of Macromolecular Science - Physics</i> , 2000 , 39, 691-700	1.4	4
13	Miscibility of poly(styrene-co-acrylonitrile) with random copolymers of tetramethyl bisphenol-A polyarylate and tetrabromo bisphenol-A polyarylate. <i>Polymer Bulletin</i> , 1994 , 33, 237-239	2.4	4
12	Functionalized graphene sheets/polycarbonate nanocomposites compatibilized by poly(phenylenevinylene). <i>Macromolecular Research</i> , 2012 , 20, 768-771	1.9	3
11	Synthesis of tailor-made nanoporous polyaniline derived with PVA/alkaline metal system for metal complexation. <i>Journal of Applied Polymer Science</i> , 2011 , 122, 2497-2502	2.9	3
10	The phase behavior of tetramethyl bisphenol-A polyarylate/aliphatic polyester blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1998 , 36, 201-212	2.6	3
9	Miscibility of tetramethyl bisphenol-A polyarylate with poly(butylene sebacate). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1995 , 33, 327-329	2.6	3
8	Compatibilizing effect of poly(butylene terephthalate)-g-polystyrene synthesized from macromonomer. <i>Journal of Macromolecular Science - Physics</i> , 1995 , 34, 215-229	1.4	3
7	Waterborne polyurethane modified with silicone macromer and the nylon airbag coated with it. <i>Textile Research Journal</i> , 2016 , 86, 2015-2021	1.7	2
6	Shape memory polyurethane nanocomposites with a functionalized graphene 2013 ,		2
5	Miscibility of polyamide-6,6 with aromatic polyamides. <i>Polymer Bulletin</i> , 1996 , 37, 361-367	2.4	2

4	Functionalized graphene sheet/polyurethane nanocomposites: Effect of particle size on the physical properties 2010 ,		1
3	Compatibilizing Effect of Poly(Styrene-co-Glycidyl Methacrylate) in MPPO/PBT Blend. <i>Journal of Polymer Engineering</i> , 1998 , 18, 101-114	1.4	○
2	Tetramethylpolyarylate-polyarylate block copolymer: Synthesis and miscibility with polyarylate and poly(styrene-co-acrylonitrile). <i>Journal of Macromolecular Science - Physics</i> , 1997 , 36, 429-440	1.4	
1	Temperature gradient of vertical air column in gravitational field.. <i>Scientific Reports</i> , 2022 , 12, 6756	4.9	