

# Kyunghwan Yoon

## List of Publications by Year in descending order

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27  
papers

3,114  
citations

279798

23  
h-index

477307

29  
g-index

29  
all docs

29  
docs citations

29  
times ranked

3427  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoclay-Directed Structure and Morphology in PVDF Electrospun Membranes. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-7.	2.7	7
2	Effect of degumming condition on the solution properties and electrospinnability of regenerated silk solution. <i>International Journal of Biological Macromolecules</i> , 2013, 55, 161-168.	7.5	67
3	Effects of degumming conditions on electro-spinning rate of regenerated silk. <i>International Journal of Biological Macromolecules</i> , 2013, 61, 50-57.	7.5	32
4	A Highly Reactive and Sinter-Resistant Catalytic System Based on Platinum Nanoparticles Embedded in the Inner Surfaces of CeO <sub>2</sub> Hollow Fibers. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9543-9546.	13.8	121
5	Fabrication of thin-film nanofibrous composite membranes by interfacial polymerization using ionic liquids as additives. <i>Journal of Membrane Science</i> , 2010, 365, 52-58.	8.2	98
6	Thin-Film Nanofibrous Composite Ultrafiltration Membranes Based on Polyvinyl Alcohol Barrier Layer Containing Directional Water Channels. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 11978-11984.	3.7	47
7	High-flux thin-film nanofibrous composite ultrafiltration membranes containing cellulose barrier layer. <i>Journal of Materials Chemistry</i> , 2010, 20, 4692.	6.7	125
8	Design and fabrication of electrospun polyethersulfone nanofibrous scaffold for high-flux nanofiltration membranes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 2288-2300.	2.1	84
9	High flux nanofiltration membranes based on interfacially polymerized polyamide barrier layer on polyacrylonitrile nanofibrous scaffolds. <i>Journal of Membrane Science</i> , 2009, 326, 484-492.	8.2	237
10	UV-cured poly(vinyl alcohol) ultrafiltration nanofibrous membrane based on electrospun nanofiber scaffolds. <i>Journal of Membrane Science</i> , 2009, 328, 1-5.	8.2	91
11	High flux ultrafiltration nanofibrous membranes based on polyacrylonitrile electrospun scaffolds and crosslinked polyvinyl alcohol coating. <i>Journal of Membrane Science</i> , 2009, 338, 145-152.	8.2	138
12	Formation of functional polyethersulfone electrospun membrane for water purification by mixed solvent and oxidation processes. <i>Polymer</i> , 2009, 50, 2893-2899.	3.8	156
13	Optical transparency in a polymer blend induced by clay nanofillers. <i>European Polymer Journal</i> , 2008, 44, 3941-3945.	5.4	21
14	Functional nanofibers for environmental applications. <i>Journal of Materials Chemistry</i> , 2008, 18, 5326.	6.7	388
15	Stabilizing Thin Film Polymer Bilayers against Dewetting Using Multiwalled Carbon Nanotubes. <i>Macromolecules</i> , 2007, 40, 9510-9516.	4.8	29
16	Morphological features and melting behavior of nanocomposites based on isotactic polypropylene and multiwalled carbon nanotubes. <i>Journal of Applied Polymer Science</i> , 2007, 106, 2640-2647.	2.6	46
17	Structure-properties relationships in clay nanocomposites based on PVDF/(ethylene vinyl acetate) copolymer blends. <i>Polymer</i> , 2007, 48, 7567-7572.	3.8	55
18	Shear-Induced Orientation and Structure Development in Isotactic Polypropylene Melt Containing Modified Carbon Nanofibers. <i>Journal of Macromolecular Science - Physics</i> , 2006, 45, 247-261.	1.0	31

#	ARTICLE	IF	CITATIONS
19	In-Situ X-ray Deformation Study of Fluorinated Multiwalled Carbon Nanotube and Fluorinated Ethylene <sup>^</sup> Propylene Nanocomposite Fibers. <i>Macromolecules</i> , 2006, 39, 5427-5437.	4.8	40
20	High flux ultrafiltration membranes based on electrospun nanofibrous PAN scaffolds and chitosan coating. <i>Polymer</i> , 2006, 47, 2434-2441.	3.8	503
21	Relationship between structure and dynamic mechanical properties of a carbon nanofiber reinforced elastomeric nanocomposite. <i>Polymer</i> , 2006, 47, 6797-6807.	3.8	17
22	High performance ultrafiltration composite membranes based on poly(vinyl alcohol) hydrogel coating on crosslinked nanofibrous poly(vinyl alcohol) scaffold. <i>Journal of Membrane Science</i> , 2006, 278, 261-268.	8.2	225
23	Uniaxial deformation of an elastomer nanocomposite containing modified carbon nanofibers by in situ synchrotron X-ray diffraction. <i>Polymer</i> , 2005, 46, 5103-5117.	3.8	45
24	Rheological study of carbon nanofiber induced physical gelation in polyolefin nanocomposite melt. <i>Polymer</i> , 2005, 46, 11591-11599.	3.8	55
25	In-Situ X-ray Scattering Studies of a Unique Toughening Mechanism in Surface-Modified Carbon Nanofiber/UHMWPE Nanocomposite Films. <i>Macromolecules</i> , 2005, 38, 3883-3893.	4.8	70
26	High Flux Filtration Medium Based on Nanofibrous Substrate with Hydrophilic Nanocomposite Coating. <i>Environmental Science &amp; Technology</i> , 2005, 39, 7684-7691.	10.0	348
27	In situ synchrotron SAXS/WAXD studies during melt spinning of modified carbon nanofiber and isotactic polypropylene nanocomposite. <i>Colloid and Polymer Science</i> , 2004, 282, 802-809.	2.1	19