

# Fangming Xiang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3364185/publications.pdf>

Version: 2024-02-01

32  
papers

1,007  
citations

361045

20  
h-index

433756

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1333  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cocontinuous morphology of immiscible high density polyethylene/polyamide 6 blend induced by multiwalled carbon nanotubes network. <i>European Polymer Journal</i> , 2012, 48, 350-361.	2.6	87
2	Crystallization improvement of poly(L-lactide) induced by functionalized multiwalled carbon nanotubes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 326-339.	2.4	76
3	Improving the Gas Barrier Property of Clay-Polymer Multilayer Thin Films Using Shorter Deposition Times. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 6040-6048.	4.0	60
4	Influence of annealing on microstructure and physical properties of isotactic polypropylene/calcium carbonate composites with $\beta$ -phase nucleating agent. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 3176-3185.	2.6	56
5	Synergistic effects of PEG and MWCNTs on crystallization behavior of PLLA. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 520-528.	2.4	53
6	Layer-by-layer assembled polymer/MOF membrane for H <sub>2</sub> /CO <sub>2</sub> separation. <i>Journal of Membrane Science</i> , 2018, 556, 146-153.	4.1	53
7	Crystallization and mechanical properties of T-ZnOw/HDPE composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 501, 220-228.	2.6	51
8	Structural tailoring of hydrogen-bonded poly(acrylic acid)/poly(ethylene oxide) multilayer thin films for reduced gas permeability. <i>Soft Matter</i> , 2015, 11, 1001-1007.	1.2	45
9	Combined Ionic and Hydrogen Bonding in Polymer Multilayer Thin Film for High Gas Barrier and Stretchiness. <i>Macromolecules</i> , 2015, 48, 5723-5729.	2.2	38
10	Carbon nanotubes induced microstructure and mechanical properties changes in cocontinuous poly(L-lactide)/poly(ethylene oxide) blends. <i>Journal of Membrane Science</i> , 2012, 23, 783-790.	1.6	37
11	Stiff and Transparent Multilayer Thin Films Prepared Through Hydrogen Bonding Layer-by-Layer Assembly of Graphene and Polymer. <i>Advanced Functional Materials</i> , 2016, 26, 2143-2149.	7.8	36
12	Largely enhanced ductility of immiscible high density polyethylene/polyamide 6 blends via nano-bridge effect of functionalized multiwalled carbon nanotubes. <i>Polymers for Advanced Technologies</i> , 2011, 22, 2533-2542.	1.6	35
13	$\beta$ -to- $\alpha$ Transformation of $\beta$ -polypropylene during tensile deformation: effect of crystalline morphology. <i>Colloid and Polymer Science</i> , 2010, 288, 1539-1549.	1.0	33
14	High gas barrier imparted by similarly charged multilayers in nanobrick wall thin films. <i>RSC Advances</i> , 2014, 4, 18354-18359.	1.7	31
15	Crystallization, rheological, and mechanical properties of PLLA/PEG blend with multiwalled carbon nanotubes. <i>Polymers for Advanced Technologies</i> , 2011, 22, 1959-1970.	1.6	29
16	Super Stretchy Polymer Multilayer Thin Film with High Gas Barrier. <i>ACS Macro Letters</i> , 2014, 3, 1055-1058.	2.3	29
17	Elastomeric Polymer Multilayer Thin Film with Sustainable Gas Barrier at High Strain. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 16148-16151.	4.0	29
18	Morphology, rheological, crystallization behavior, and mechanical properties of poly(L-lactide)/ethylene vinyl acetate blends with different VA contents. <i>Journal of Applied Polymer Science</i> , 2011, 121, 2688-2698.	1.3	27

#	ARTICLE	IF	CITATIONS
19	Mixed Matrix Membranes from a Microporous Polymer Blend and Nanosized Metal-Organic Frameworks with Exceptional CO <sub>2</sub> /N <sub>2</sub> Separation Performance. , 2020, 2, 821-828.		27
20	Selective distribution, reinforcement, and toughening roles of MWCNTs in immiscible polypropylene/ethylene-co-vinyl acetate blends. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 1882-1892.	2.4	23
21	Effects of functionalized multiwalled carbon nanotubes on the morphologies and mechanical properties of PP/EVA blend. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 1481-1491.	2.4	21
22	Morphology and mechanical property changes in compatibilized high density polyethylene/polyamide 6 nanocomposites induced by carbon nanotubes. Polymer International, 2012, 61, 1334-1343.	1.6	18
23	Water-Based Melanin Multilayer Thin Films with Broadband UV Absorption. ACS Macro Letters, 2015, 4, 335-338.	2.3	18
24	Microstructure evolution of isotactic polypropylene during annealing: Effect of poly(ethylene) Tj ETQq0 0 0 rgBT /Oyerlock 10 Tf 50 542	2.0	14
25	Fast Spray Deposition of Super Gas Barrier Polyelectrolyte Multilayer Thin Films. Industrial & Engineering Chemistry Research, 2015, 54, 5254-5260.	1.8	14
26	Studies on fracture behaviors of immiscible polypropylene/ethylene-co-vinyl acetate blends with multiwalled carbon nanotubes. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 1331-1344.	2.4	13
27	Synthesis of Cu <sub>2</sub> O/T-ZnO nanocompound and characterization of its photocatalytic activity and stability property under UV irradiation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2013, 178, 158-166.	1.7	13
28	Effects of carbon nanotubes on glass transition and crystallization behaviors in immiscible polystyrene/polypropylene blends. Polymer Engineering and Science, 2011, 51, 585-591.	1.5	12
29	Crystallization, mechanical and thermal properties of sorbitol derivatives nucleated polypropylene/calcium carbonate composites. Chinese Journal of Polymer Science (English Edition), 2010, 28, 457-466.	2.0	11
30	Environmentally Friendly Tannic Acid Multilayer Coating for Reducing Corrosion of Carbon Steel. Industrial & Engineering Chemistry Research, 2021, 60, 243-250.	1.8	11
31	Layer-by-layer assembly of metal-organic framework nanosheets with polymer. Nanotechnology, 2019, 30, 345602.	1.3	5
32	Effect of mechanical pre-conditioning on fracture resistance of polypropylene. Chinese Journal of Polymer Science (English Edition), 2011, 29, 318-324.	2.0	2