Fangming Xiang

List of Publications by Year
in descending order

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

Version: 2024-02-01

32	1,007	361045 20	433756 31
papers	citations	h-index	g-index

32	32	32	1333
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Environmentally Friendly Tannic Acid Multilayer Coating for Reducing Corrosion of Carbon Steel. Industrial & Engineering Chemistry Research, 2021, 60, 243-250.	1.8	11
2	Mixed Matrix Membranes from a Microporous Polymer Blend and Nanosized Metalâ€“Organic Frameworks with Exceptional CO₂/N₂ Separation Performance. , 2020, 2, 821-828.		27
3	Layer-by-layer assembly of metal-organic framework nanosheets with polymer. Nanotechnology, 2019, 30, 345602.	1.3	5
4	Layer-by-layer assembled polymer/MOF membrane for H2/CO2 separation. Journal of Membrane Science, 2018, 556, 146-153.	4.1	53
5	Stiff and Transparent Multilayer Thin Films Prepared Through Hydrogenâ€Bonding Layerâ€byâ€Layer Assembly of Graphene and Polymer. Advanced Functional Materials, 2016, 26, 2143-2149.	7.8	36
6	Fast Spray Deposition of Super Gas Barrier Polyelectrolyte Multilayer Thin Films. Industrial & Engineering Chemistry Research, 2015, 54, 5254-5260.	1.8	14
7	Water-Based Melanin Multilayer Thin Films with Broadband UV Absorption. ACS Macro Letters, 2015, 4, 335-338.	2.3	18
8	Combined Ionic and Hydrogen Bonding in Polymer Multilayer Thin Film for High Gas Barrier and Stretchiness. Macromolecules, 2015, 48, 5723-5729.	2.2	38
9	Elastomeric Polymer Multilayer Thin Film with Sustainable Gas Barrier at High Strain. ACS Applied Materials & Interfaces, 2015, 7, 16148-16151.	4.0	29
10	Structural tailoring of hydrogen-bonded poly(acrylic acid)/poly(ethylene oxide) multilayer thin films for reduced gas permeability. Soft Matter, 2015, 11, 1001-1007.	1.2	45
11	High gas barrier imparted by similarly charged multilayers in nanobrick wall thin films. RSC Advances, 2014, 4, 18354-18359.	1.7	31
12	Super Stretchy Polymer Multilayer Thin Film with High Gas Barrier. ACS Macro Letters, 2014, 3, 1055-1058.	2.3	29
13	Improving the Gas Barrier Property of Clayâ€“Polymer Multilayer Thin Films Using Shorter Deposition Times. ACS Applied Materials & Interfaces, 2014, 6, 6040-6048.	4.0	60
14	Synthesis of Cu2O/T-ZnOW 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
15	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
16	Carbon nanotubes induced microstructure and mechanical properties changes in cocontinuous poly() Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2012, 23, 783-790.	1.6	37
17	Cocontinuous morphology of immiscible high density polyethylene/polyamide 6 blend induced by multiwalled carbon nanotubes network. European Polymer Journal, 2012, 48, 350-361.	2.6	87
18	Microstructure evolution of isotactic polypropylene during annealing: Effect of poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T	2.0	14

#	Article	IF	Citations
19	Effect of mechanical pre-conditioning on fracture resistance of polypropylene. Chinese Journal of Polymer Science (English Edition), 2011, 29, 318-324.	2.0	2
20	Crystallization, rheological, and mechanical properties of PLLA/PEG blend with multiwalled carbon nanotubes. Polymers for Advanced Technologies, 2011, 22, 1959-1970.	1.6	29
21	Largely enhanced ductility of immiscible high density polyethylene/polyamide 6 blends via nanoâ€bridge effect of functionalized multiwalled carbon nanotubes. Polymers for Advanced Technologies, 2011, 22, 2533-2542.	1.6	35
22	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
23	Morphology, rheological, crystallization behavior, and mechanical properties of poly(<scp>L</scp>â€lactide)/ethyleneâ€coâ€vinyl acetate blends with different VA contents. Journal of Applied Polymer Science, 2011, 121, 2688-2698.	1.3	27
24	Influence of annealing on microstructure and physical properties of isotactic polypropylene/calcium carbonate composites with Î²-phase nucleating agent. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 3176-3185.	2.6	56
25	Î²/Î± Transformation of Î²-polypropylene during tensile deformation: effect of crystalline morphology. Colloid and Polymer Science, 2010, 288, 1539-1549.	1.0	33
26	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
27	Synergistic effects of PEG and MWCNTs on crystallization behavior of PLLA. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 520-528.	2.4	53
28	Selective distribution, reinforcement, and toughening roles of MWCNTs in immiscible polypropylene/ethyleneâ€coâ€vinyl acetate blends. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 1882-1892.	2.4	23
29	Crystallization improvement of poly(<scp>L</scp>â€lactide) induced by functionalized multiwalled carbon nanotubes. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 326-339.	2.4	76
30	Studies on fracture behaviors of immiscible polypropylene/ethyleneâ€coâ€vinyl acetate blends with multiwalled carbon nanotubes. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 1331-1344.	2.4	13
31	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
32	Crystallization and mechanical properties of T-ZnOw/HDPE composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 501, 220-228.	2.6	51