

Yankun Xie

List of Publications by Year in descending order

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81
papers

1,491
citations

279798

23
h-index

395702

33
g-index

81
all docs

81
docs citations

81
times ranked

1392
citing authors

#	ARTICLE	IF	CITATIONS
1	Design on the corrosion protection of eco-friendly and multifunctional polyhedral oligomeric silsesquioxane functionalized graphene oxide reinforced waterborne polyurethane. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 640, 127718.	4.7	18
2	Synthesis of carboxymethyl chitosan-functionalized graphene nanomaterial for anticorrosive reinforcement of waterborne epoxy coating. Carbohydrate Polymers, 2021, 252, 117249.	10.2	33
3	An amino-terminated polyether-grafted graphene oxide for mechanical and thermal properties reinforcement of waterborne epoxy composites. Journal of Macromolecular Science - Pure and Applied Chemistry, 2021, 58, 448-460.	2.2	2
4	Preparation of a Dmap-Catalysis Lignin Epoxide and the Study of Its High Mechanical-Strength Epoxy Resins with High-Biomass Content. Polymers, 2021, 13, 750.	4.5	6
5	Rational design of non-hazardous phytic acid-functionalized graphene oxide for polymer nanocomposites toward reinforcing corrosion resistance performance applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 617, 126390.	4.7	12
6	Surface functionalization of Ti3C2Tx and its application in aqueous polymer nanocomposites for reinforcing corrosion protection. Composites Part B: Engineering, 2021, 217, 108900.	12.0	34
7	Insight into anticorrosion/thermal stability behavior of protection system composed of waterborne polyurethane containing SiOx/TiO2@Ti3C2. Journal of Materials Science, 2021, 56, 19840-19856.	3.7	3
8	Engineering MXenes (Ti3C2Tx) surface with TiO2 for enhancing anti-corrosion performance of coatings. Polymer, 2021, 230, 124086.	3.8	24
9	A self-supported electrode for supercapacitors based on nanocellulose/multi-walled carbon nanotubes/polypyrrole composite. RSC Advances, 2021, 11, 1109-1114.	3.6	8
10	A water-rich system of constructing durable and fluorine-free superhydrophobic surfaces for oil/water separation. Applied Surface Science, 2020, 507, 145165.	6.1	29
11	A mild strategy to construct superhydrophobic cotton with dual self-cleaning and oil/water separation abilities based on TiO2 and POSS via thiol-ene click reaction. Cellulose, 2020, 27, 2847-2857.	4.9	33
12	Waterborne epoxy resins modified by reactive polyacrylate modifier with fluorinated side chains. Journal of Coatings Technology Research, 2020, 17, 427-437.	2.5	7
13	Application of polyether amine intercalated graphene oxide as filler for enhancing hydrophobicity, thermal stability, mechanical and anti-corrosion properties of waterborne polyurethane. Diamond and Related Materials, 2020, 109, 108077.	3.9	22
14	A Versatile Method to Construct Superhydrophobic Fabrics with Good Durability and Self-cleaning Performance. Fibers and Polymers, 2020, 21, 1678-1684.	2.1	2
15	Applications of hydrophobic 1,3-bis(amino)-terminated polydimethylsiloxane-graphene oxide in enhancement of anti-corrosion ability of waterborne polyurethane. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 600, 124981.	4.7	19
16	Incorporation of silica network and modified graphene oxide into epoxy resin for improving thermal and anticorrosion properties. Journal of Applied Polymer Science, 2020, 137, 49405.	2.6	15
17	The effect of functional graphene oxide nanoparticles on corrosion resistance of waterborne polyurethane. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 591, 124565.	4.7	46
18	A novel approach to fabricate polyacrylate modified graphene oxide for improving the corrosion resistance of epoxy coatings. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 593, 124627.	4.7	47

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19	A novel and feasible approach for polymer amine modified graphene oxide to improve water resistance, thermal, and mechanical ability of waterborne polyurethane. <i>Applied Surface Science</i> , 2019, 491, 301-312.	6.1	44
20	Facile fabrication of robust fluorine-free superhydrophobic cellulosic fabric for self-cleaning, photocatalysis and UV shielding. <i>Cellulose</i> , 2019, 26, 8153-8164.	4.9	15
21	A less harmful system of preparing robust fabrics for integrated self-cleaning, oil-water separation and water purification. <i>Environmental Pollution</i> , 2019, 255, 113277.	7.5	25
22	UV-curable waterborne epoxy acrylate coating modified by monomethacryloyloxy-terminated fluorinated oligomer. <i>Journal of Coatings Technology Research</i> , 2019, 16, 1305-1316.	2.5	13
23	Investigation of covalently grafted polyacrylate chains onto graphene oxide for epoxy composites with reinforced mechanical performance. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47842.	2.6	22
24	Highly exfoliated epoxy/clay nanocomposites filled with novel cationic fluorinated polyacrylate modified montmorillonite: Morphology and mechanical properties. <i>Polymer Composites</i> , 2019, 40, 4266-4280.	4.6	5
25	Facile construction of robust superhydrophobic cotton textiles for effective UV protection, self-cleaning and oil-water separation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 570, 172-181.	4.7	74
26	Hydrophobic Waterborne Epoxy Coating Modified by Low Concentrations of Fluorinated Reactive Modifier. <i>Macromolecular Research</i> , 2019, 27, 412-420.	2.4	9
27	Robust fabrication of superhydrophobic and photocatalytic self-cleaning cotton textiles for oil-water separation via thiol-ene click reaction. <i>Journal of Materials Science</i> , 2019, 54, 7369-7382.	3.7	29
28	Preparation and characterization of soybean oil-based waterborne polyurethane/acrylate hybrid emulsions for self-matting coatings. <i>New Journal of Chemistry</i> , 2019, 43, 19193-19199.	2.8	18
29	Facile Preparation of Robust Superhydrophobic Cotton Textile for Self-Cleaning and Oil-Water Separation. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 187-194.	3.7	38
30	Robust fabrication of superhydrophobic and photocatalytic self-cleaning cotton textile based on TiO ₂ and fluoroalkylsilane. <i>Journal of Materials Science</i> , 2019, 54, 2079-2092.	3.7	40
31	Fluorinated polyacrylates containing amino side chains for the surface modification of waterborne epoxy resin. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47091.	2.6	8
32	Oligo-fluoropolymer Modified Cycloaliphatic Epoxy Resins with Excellent Compatibility, Waterproof and Mechanical Properties for LED Encapsulation. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 326-332.	2.6	3
33	Properties of (meth)acrylate copolymer grafted with long fluorinated side chain prepared by "graft onto" strategy. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45894.	2.6	10
34	Preparation and properties of waterborne epoxy resin modified by poly(meth)acrylates containing long fluorinated side chains. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2018, 55, 618-629.	2.2	4
35	Fabrication of superhydrophobic cotton fabric with fluorinated TiO ₂ sol by a green and one-step sol-gel process. <i>Carbohydrate Polymers</i> , 2018, 197, 75-82.	10.2	130
36	Synthesis of superhydrophobic fluoro-containing silica sol coatings for cotton textile by one-step sol-gel process. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 87, 455-463.	2.4	21

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37	Hydrophobic epoxy resins modified by low concentrations of comb-shaped fluorinated reactive modifier. <i>Progress in Organic Coatings</i> , 2017, 105, 353-361.	3.9	29
38	Preparation and performance of waterborne UV-curable polyurethane containing long fluorinated side chains. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	13
39	Waterborne UV-curable comb-shaped (meth)acrylate graft copolymer containing long fluorinated and/or polysiloxane side chains. <i>RSC Advances</i> , 2016, 6, 34364-34375.	3.6	13
40	Preparation and self-assembly of pH-sensitive amphiphilic comb-shaped copolymer containing long fluorinated side chains. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2016, 53, 716-724.	2.2	2
41	Synthesis and surface properties of a new fluorinated acrylic diblock copolymer via AGET ATRP. <i>Polymer Science - Series B</i> , 2016, 58, 313-320.	0.8	5
42	A novel mono- ϵ -methacryloyloxy terminated fluorinated macromonomer used for the modification of UV curable acrylic copolymers. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	6
43	Synthesis and properties of fluorine-containing polyurethane based on long chain fluorinated polyacrylate. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2016, 53, 41-48.	2.2	14
44	Nano- and micro-structured random copolymer modified cycloaliphatic epoxy resins for use as light-emitting diode encapsulation. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2016, 53, 201-209.	2.2	11
45	Preparation and properties of UV-curable waterborne comb-like (meth)acrylate copolymers with long fluorinated side chains. <i>Progress in Organic Coatings</i> , 2016, 94, 62-72.	3.9	25
46	Synthesis and characterization of novel UV-curable fluorinated polyurethane-acrylate copolymer. <i>Chemical Research in Chinese Universities</i> , 2016, 32, 311-317.	2.6	6
47	Synthesis and characterization of UV-curable acrylate films modified by functional methacrylate terminated polysiloxane hybrid oligomers. <i>RSC Advances</i> , 2015, 5, 81838-81846.	3.6	12
48	Synthesis and Characterization of Fluorinated Acrylic Polymer and the Properties of Epoxy Thermosets Modified With It. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2015, 52, 838-846.	2.2	4
49	Synthesis and characterization of novel acrylic comb-shaped copolymer containing long fluorinated side chains. <i>Journal of Polymer Research</i> , 2015, 22, 1.	2.4	6
50	Synthesis and Properties of Polyurethanes Graft Modified by Long Polydimethylsiloxane Side Chain. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2014, 51, 966-975.	2.2	3
51	Synthesis of epoxy-terminated fluoropolymer via ATRP and the properties of epoxy thermosets modified with it. <i>Polymer Bulletin</i> , 2013, 70, 1531-1542.	3.3	7
52	Synthesis and properties of a novel UV-cured fluorinated siloxane graft copolymer for improved surface, dielectric and tribological properties of epoxy acrylate coating. <i>Applied Surface Science</i> , 2013, 284, 683-691.	6.1	38
53	Synthesis and characterization of a novel difunctional fluorinated acrylic oligomer used for UV-cured coatings. <i>Journal of Fluorine Chemistry</i> , 2013, 147, 49-55.	1.7	27
54	Controlled Synthesis, Characterization and Application of Novel Functional Fluorinated Polymer By Metal-Free Anionic Polymerization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2012, 49, 764-771.	2.2	2

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55	Curing Behavior and Thermal Properties of Autocatalytic Cycloaliphatic Epoxy. Journal of Macromolecular Science - Pure and Applied Chemistry, 2012, 49, 81-84.	2.2	11
56	Surface properties of the epoxy resin modified by a novel functional fluorinated oligomer. Iranian Polymer Journal (English Edition), 2012, 21, 721-730.	2.4	12
57	Silicone/silica nanocomposites as cultureâ€stone protective materials. Journal of Applied Polymer Science, 2012, 125, E282.	2.6	6
58	Synthesis and properties of cross-linkable block copolymer end-capped with 2, 2, 3, 4, 4, 4-hexafluorobutyl methacrylate. Journal of Polymer Research, 2012, 19, 1.	2.4	8
59	Cycloaliphatic epoxy resin modified by two kinds of oligo-fluorosiloxanes for potential application in light-emitting diode (LED) encapsulation. Journal of Polymer Research, 2012, 19, 1.	2.4	30
60	Synthesis and properties of triblock copolymers containing PDMS via AGET ATRP. Polymer Bulletin, 2012, 68, 1815-1829.	3.3	11
61	Synthesis of cationic UVâ€curable methacrylate copolymers and properties of the cured films of their composites with alicyclic epoxy resin. Journal of Applied Polymer Science, 2012, 123, 1724-1731.	2.6	11
62	Synthesis of small-molecule initiators derived from fluorinated acrylates and their application in atom transfer radical polymerization (ATRP). Polymer Bulletin, 2012, 68, 15-26.	3.3	5
63	Preparation and properties of an organicâ€inorganic hybrid materials based on fluorinated block copolymer. Journal of Materials Science, 2012, 47, 1803-1810.	3.7	11
64	Morphologies and Mechanical and Thermal Properties of Epoxy Resins Modified by a Novel Polysiloxane Capped with Silane Coupling Agent, Epoxide, and Imino Groups. Journal of Macromolecular Science - Physics, 2011, 50, 975-987.	1.0	14
65	Synthesis and properties of LED-packaging epoxy resin toughened by a novel polysiloxane from hydrolysis and condensation. Macromolecular Research, 2011, 19, 972-979.	2.4	21
66	Study on the modification of epoxy resin by a phosphorusâ€and silicaâ€containing hybrid. Journal of Applied Polymer Science, 2011, 121, 2213-2219.	2.6	10
67	Synthesis and characterization of a new fluorinated macroinitiator and its diblock copolymer by AGET ATRP. Journal of Fluorine Chemistry, 2011, 132, 9-14.	1.7	22
68	Synthesis, thermal properties, and flame retardance of phosphorusâ€containing epoxyâ€silica hybrid resins. Polymer Composites, 2010, 31, 334-339.	4.6	5
69	Modification of epoxy resin with polyether-grafted-polysiloxane and epoxy-miscible polysiloxane particles. Macromolecular Research, 2010, 18, 22-28.	2.4	36
70	Toughening of epoxy resin system using a novel dendritic polysiloxane. Macromolecular Research, 2010, 18, 392-398.	2.4	33
71	Morphologies and mechanical and thermal properties of highly epoxidized polysiloxane toughened epoxy resin composites. Macromolecular Research, 2010, 18, 853-861.	2.4	31
72	Syntheses of novel photosensitive polysiloxanes and their effects on properties of UV-cured epoxy methacrylate coatings. Journal of Coatings Technology Research, 2010, 7, 651-658.	2.5	9

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73	Sol-gel composite coatings from methyltriethoxysilane and polymethylhydrosiloxane. Journal of Sol-Gel Science and Technology, 2010, 55, 261-268.	2.4	16
74	Investigation on properties of new fluorine- and silicon- modified UV-cured epoxy methacrylate resin. Journal of Applied Polymer Science, 2010, 117, 1859-1866.	2.6	5
75	UV-cured Epoxy Methacrylate Composite Containing Fluorine and Siloxane. Polymers and Polymer Composites, 2010, 18, 405-410.	1.9	0
76	Mechanical and Thermal Properties and Morphology of Epoxy Resins Modified by a Silicon Compound. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 1084-1090.	2.2	26
77	Simultaneously Increasing Impact Resistance and Thermal Properties of Epoxy Resins Modified by Polyether-Grafted-Epoxy Polysiloxane. Polymer-Plastics Technology and Engineering, 2010, 49, 467-473.	1.9	11
78	Studies on the Thermal Properties of Epoxy Resins Modified with Two Kinds of Silanes. Journal of Macromolecular Science - Physics, 2010, 49, 43-56.	1.0	14
79	Aggregates of amphiphilic fluorinated copolymers and their encapsulating and unloading homopolymer behaviors. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 1000-1006.	2.1	10
80	Studies on the Thermal Properties and Flame Retardancy of Epoxy Resins Modified with Polysiloxane Containing Organophosphorus and Epoxide Groups. Polymer Journal, 2007, 39, 696-702.	2.7	26
81	Synthesis of associating poly(acrylic acid) in supercritical carbon dioxide and its solution properties. Colloid and Polymer Science, 2004, 282, 1228-1235.	2.1	6