

# Pengfei Yang

## List of Publications by Year in descending order

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28  
papers

293  
citations

758635

12  
h-index

940134

16  
g-index

28  
all docs

28  
docs citations

28  
times ranked

361  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and Properties of Cationic Gelatin Cross-Linked with Tannin. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 9537-9545.	2.4	33
2	Effect of siloxane spacer length on organosilicon bi-quaternary ammonium amphiphiles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 128, 528-536.	2.5	29
3	Self-healing polyurethane nanocomposite films with recoverable surface hydrophobicity. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46421.	1.3	18
4	Preparation and antibacterial properties of gelatin grafted with an epoxy silicone quaternary ammonium salt. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016, 27, 1017-1028.	1.9	17
5	Surface hydrophobic modification of polymers with fluorodiazomethanes. <i>Materials Letters</i> , 2018, 210, 295-297.	1.3	17
6	Surface modification of polymers with bis(arylcarbene)s from bis(aryldiazomethane)s: preparation, dyeing and characterization. <i>RSC Advances</i> , 2016, 6, 111276-111290.	1.7	16
7	Surface hydrophobic modification of polyurethanes by diaryl carbene chemistry: Synthesis and characterization. <i>Applied Surface Science</i> , 2018, 435, 346-351.	3.1	16
8	One-pot, one-step, catalytic synthesis of 2,5-diformylfuran from fructose. <i>Russian Journal of Physical Chemistry A</i> , 2014, 88, 1091-1096.	0.1	15
9	Surface modification using crosslinking of diamine and a bis(diarylcarbene): synthesis, characterization, and antibacterial activity via binding hydrogen peroxide. <i>RSC Advances</i> , 2017, 7, 29645-29655.	1.7	14
10	Ag NP-Loaded Cotton Fiber Materials: Preparation, Surface Deposition, and Antibacterial Activity with Different Chemical Structures. <i>ACS Applied Bio Materials</i> , 2019, 2, 510-517.	2.3	14
11	Synthesis of collagen-modified polylactide and its application in drug delivery. <i>Journal of Applied Polymer Science</i> , 2013, 129, 3290-3296.	1.3	13
12	Electrospun Gelatin Membrane Cross-Linked by a Bis(diarylcarbene) for Oil/Water Separation: A New Strategy To Prepare Porous Organic Polymers. <i>ACS Omega</i> , 2018, 3, 3928-3935.	1.6	12
13	Kinetics and Mechanism of Carbamate Reaction of 4-Hydroxybenzyl Alcohol with Phenyl Isocyanate. <i>Progress in Reaction Kinetics and Mechanism</i> , 2010, 35, 93-104.	1.1	11
14	Temperature-controlled cross-linking of silver nanoparticles with diels-alder reaction and its application on antibacterial property. <i>Applied Surface Science</i> , 2017, 403, 435-440.	3.1	10
15	Direct functionalization of benzylic and non-benzylic C(sp <sup>3</sup> )-H bonds via keteniminium ion initiated cascade [1,5]-hydrogen transfer/cyclization. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1854-1858.	2.3	10
16	Synthesis and Micellization of Organosilicon Gemini Quaternary Ammonium Surfactants. <i>Journal of Surfactants and Detergents</i> , 2015, 18, 155-161.	1.0	6
17	Synthesis and carbene-insertion preparation of hydrophobic natural polymer materials for rapid and efficient oil/water separation. <i>Applied Surface Science</i> , 2022, 581, 152394.	3.1	6
18	Preparation, Post-Modification, and Antibacterial Application of Gelatin Electrospun Membranes. <i>Macromolecular Bioscience</i> , 2018, 18, e1800093.	2.1	5

#	ARTICLE	IF	CITATIONS
19	The influence of furanyl monomer on the self-healing polyurethanes by reverse Diels-Alder crosslink. <i>Polymers for Advanced Technologies</i> , 2019, 30, 804-807.	1.6	5
20	Radical/Addition polymerization silicone hydrogels with simultaneous interpenetrating hydrophilic/hydrophobic networks. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	4
21	Preparation and properties of gelatin hydrolysate modified with polysiloxane quaternary ammonium salts. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2019, 30, 593-607.	1.9	4
22	Diamine-catalyzed urethane reaction of 1,3-propanediol with phenyl isocyanate. <i>Journal of Coatings Technology Research</i> , 2013, 10, 859-864.	1.2	3
23	Kinetic and Thermodynamic Studies of the Urethane Reaction Based on 1,3-diazetidone-2,4-dione and 4-(Tetrahydro-Pyran-2-yloxy)-butan-1-ol. <i>International Journal of Polymer Analysis and Characterization</i> , 2014, 19, 107-114.	0.9	3
24	Preparation and aqueous solution behavior of a pH-responsive branched copolymer based on 2-(diethylamino)ethyl methacrylate. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	3
25	Kinetics and thermodynamics of the blocking reaction of several aliphatic isocyanates. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2016, 53, 574-578.	1.2	3
26	Bottleneck for reactive molar mass in the polymerization of propylene oxide initiated with potassium <i>n</i> -butoxide. <i>Journal of Applied Polymer Science</i> , 2009, 113, 3656-3660.	1.3	2
27	Catalytic Kinetics and Mechanism Transformation of Fe(acac) <sub>3</sub> on the Urethane Reaction of 1,2-Propanediol with Phenyl Isocyanate. <i>International Journal of Chemical Kinetics</i> , 2013, 45, 623-628.	1.0	2
28	Carbene modification and reversible crosslinking of silver nanoparticles for controlled antibacterial activity. <i>Scientific Reports</i> , 2020, 10, 14937.	1.6	2