

# Teng Fu

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

1,173  
citations

471509

17  
h-index

610901

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g-index

24  
all docs

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docs citations

24  
times ranked

857  
citing authors

#	ARTICLE	IF	CITATIONS
1	Trinity effect of potassium sulfonate-benzimidazole towards self-intumescent flame-retarded polyester with low fire hazards. <i>Chemical Engineering Journal</i> , 2022, 429, 132121.	12.7	13
2	Bio-Based Flame-Retardant and Smoke-Suppressing Wood Plastic Composites Enabled by Phytic Acid Tyramine Salt. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 5055-5066.	6.7	35
3	Flame-retardation of thermoplastic polyesters via cyclotetramerization from phthalonitrile to phthalocyanine: Pyrolysis processes and fire behaviour. <i>Polymer Degradation and Stability</i> , 2022, 200, 109939.	5.8	5
4	An Effective Green Porous Structural Adhesive for Thermal Insulating, Flame-Retardant, and Smoke-Suppressant Expandable Polystyrene Foam. <i>Engineering</i> , 2022, 17, 151-160.	6.7	23
5	Ultra-high fire-safety unsaturated polyesters enabled by self-assembled micro/nano rod from Schiff base, diphenylphosphinyl group and nickel (II) metal. <i>Composites Part B: Engineering</i> , 2022, 242, 110032.	12.0	19
6	Flame-responsive aryl ether nitrile structure towards multiple fire hazards suppression of thermoplastic polyester. <i>Journal of Hazardous Materials</i> , 2021, 403, 123714.	12.4	38
7	Targeted Copolymerization in Amorphous Regions for Constructing Crystallizable Functionalized Copolymers. <i>Macromolecules</i> , 2021, 54, 4412-4422.	4.8	7
8	Ultralight Biomass Aerogels with Multifunctionality and Superelasticity Under Extreme Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 59231-59242.	8.0	32
9	A highly-effective ionic liquid flame retardant towards fire-safety waterborne polyurethane (WPU) with excellent comprehensive performance. <i>Polymer</i> , 2020, 205, 122780.	3.8	29
10	Synergy effect between quaternary phosphonium ionic liquid and ammonium polyphosphate toward flame retardant PLA with improved toughness. <i>Composites Part B: Engineering</i> , 2020, 197, 108192.	12.0	87
11	<i>In situ</i> phthalocyanine synthesis chemistry in flames towards molecular fireproof engineering. <i>Chemical Communications</i> , 2020, 56, 9525-9528.	4.1	11
12	Fire hazards management for polymeric materials via synergy effects of pyrolysates-fixation and aromatized-charring. <i>Journal of Hazardous Materials</i> , 2020, 389, 122040.	12.4	29
13	New methods for flame-retarding PET without melt dripping. <i>Chinese Science Bulletin</i> , 2020, 65, 3160-3172.	0.7	7
14	3D printable robust shape memory PET copolyesters with fire safety $\pi$ -stacking and synergistic crosslinking. <i>Journal of Materials Chemistry A</i> , 2019, 7, 17037-17045.	10.3	69
15	Bioinspired Color Changing Molecular Sensor toward Early Fire Detection Based on Transformation of Phthalonitrile to Phthalocyanine. <i>Advanced Functional Materials</i> , 2019, 29, 1806586.	14.9	86
16	New application for aromatic Schiff base: High efficient flame-retardant and anti-dripping action for polyesters. <i>Chemical Engineering Journal</i> , 2018, 336, 622-632.	12.7	228
17	Effect of biphenyl biimide structure on the thermal stability, flame retardancy and pyrolysis behavior of PET. <i>Polymer Degradation and Stability</i> , 2018, 155, 162-172.	5.8	18
18	Novel phosphorus-containing halogen-free ionic liquid toward fire safety epoxy resin with well-balanced comprehensive performance. <i>Chemical Engineering Journal</i> , 2018, 354, 208-219.	12.7	178

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19	Flame-Retardant Pressure-Sensitive Adhesives Derived from Epoxidized Soybean Oil and Phosphorus-Containing Dicarboxylic Acids. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3353-3361.	6.7	69
20	Coated vs. naked red phosphorus: A comparative study on their fire retardancy and smoke suppression for rigid polyurethane foams. <i>Polymer Degradation and Stability</i> , 2017, 136, 103-111.	5.8	68
21	Novel phosphorus-containing halogen-free ionic liquids: effect of sulfonate anion size on physical properties, biocompatibility, and flame retardancy. <i>RSC Advances</i> , 2016, 6, 52485-52494.	3.6	23
22	Inherent flame retardation of semi-aromatic polyesters via binding small-molecule free radicals and charring. <i>Polymer Chemistry</i> , 2016, 7, 1584-1592.	3.9	43
23	PET-based copolyesters with bisphenol A or bisphenol F structural units: Their distinct differences in pyrolysis behaviours and flame-retardant performances. <i>Polymer Degradation and Stability</i> , 2015, 120, 158-168.	5.8	17
24	A new approach to improving flame retardancy, smoke suppression and anti-dripping of PET: Via arylene-ether units rearrangement reactions at high temperature. <i>Polymer</i> , 2015, 77, 21-31.	3.8	39