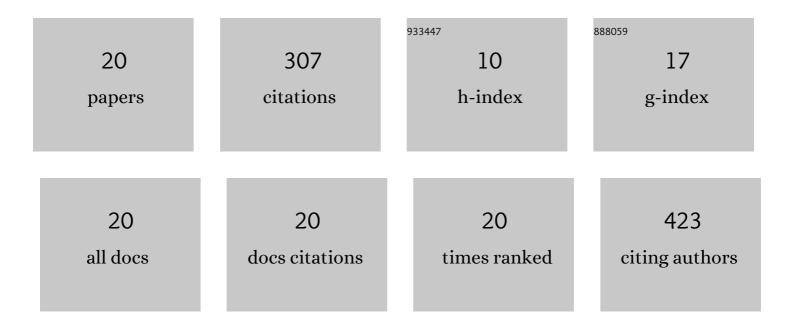
## Pudun Zhang

List of Publications by Year in descending order

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Ридим 7нллс

#	Article	IF	CITATIONS
1	Influence of maleic anhydride grafted polypropylene on the miscibility of polypropylene/polyamide-6 blends using ATR-FTIR mapping. Vibrational Spectroscopy, 2009, 49, 17-21.	2.2	44
2	An FTIR standard addition method for quantification of bound styrene in its copolymers. Polymer Testing, 2008, 27, 153-157.	4.8	32
3	A simple and rapid Fourier transform infrared method for the determination of the degree of acetyl substitution of cellulose nanocrystals. Journal of Materials Science, 2019, 54, 8047-8056.	3.7	26
4	De novo growth of poly(amidoamine) dendrimers on the surface of multi-walled carbon nanotubes. Journal of Materials Science, 2014, 49, 3469-3477.	3.7	22
5	Attenuated total reflectance/Fourier transform infrared (ATR/FTIR) mapping coupled with principal component analysis for the study of in vitro degradation of porous polylactide/hydroxyapatite composite material. Analytical Methods, 2014, 6, 5590-5595.	2.7	22
6	Fourier Transform Infrared (FT-IR) Imaging Coupled with Principal Component Analysis (PCA) for the Study of Photooxidation of Polypropylene. Applied Spectroscopy, 2012, 66, 566-573.	2.2	20
7	Determination of the content of Eucommia ulmoides gum by Variable Temperature Fourier Transform Infrared Spectrum. Polymer Testing, 2017, 63, 582-586.	4.8	20
8	Three-Dimensional Visualization for Early-Stage Evolution of Polymer Aging. ACS Central Science, 2020, 6, 771-778.	11.3	19
9	Soy Protein Isolate and Glycerol Hydrogen Bonding Using Two-Dimensional Correlation (2D-COS) Attenuated Total Reflection Fourier Transform Infrared (ATR FT-IR) Spectroscopy. Applied Spectroscopy, 2017, 71, 2437-2445.	2.2	17
10	Miscibility Behavior of Ethylene/Vinyl Acetate and C5 Petroleum Resin by FTIR Imaging. Analytical Sciences, 2007, 23, 877-880.	1.6	15
11	Characterization of solution-phase DNA hybridization by fluorescence correlation spectroscopy: Rapid genotyping of C677T from methylenetetrahydrofolate reductase gene. Talanta, 2007, 71, 1192-1197.	5.5	10
12	Variable-temperature Fourier-transform infrared studies of poly(l-lactic acid) in different states of order: A 2DCOS and PCMW2D analysis. Journal of Molecular Structure, 2016, 1124, 256-261.	3.6	10
13	In vitro mineralization kinetics of poly(l-lactic acid)/hydroxyapatite nanocomposite material by attenuated total reflection Fourier transform infrared mapping coupled with principal component analysis. Journal of Materials Science, 2018, 53, 8009-8019.	3.7	10
14	Isothermal crystalline polymorphs of poly(l-lactic acid) by FTIR coupled with two-dimensional correlation spectroscopy and perturbation-correlation moving-window two-dimensional analysis. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 229, 117953.	3.9	10
15	Identification of trace additives in polymer materials by attenuated total reflection Fourier transform infrared mapping coupled with multivariate curve resolution. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 180, 154-160.	3.9	9
16	Effects of montmorillonite (MMT) on the crystallization behavior of poly(L-lactic acid) (PLLA) by variable-temperature FTIR coupled with difference spectrometry, PCMW2D and 2DCOS analyses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 277, 121289.	3.9	6
17	Depth profiling of SBS/PET layered materials using step-scan phase modulation Fourier transform infrared photoacoustic spectroscopy and two-dimensional correlation analysis. Science China Chemistry, 2010, 53, 1190-1194.	8.2	5
18	Characterization of In vitro Mineralization of Porous Poly (L-Lactic Acid)/Bioactive Glass Composites by Attenuated Total Reflectance-Fourier Transform Infrared Mapping. Chinese Journal of Analytical Chemistry, 2014, 42, 221-226.	1.7	5

#	Article	IF	CITATIONS
19	Attenuated Total Reflection Fourier Transform Infrared Spectroscopy (ATR FT-IR) Mapping Coupled with Multivariate Curve Resolution (MCR) for Studying the Miscibility of Chlorobutyl Rubber/Polyamide-12 Blends. Applied Spectroscopy, 2015, 69, 1319-1326.	2.2	4
20	Evolution of the structural polymorphs of poly(l-lactic acid) during the in vitro mineralization of its hydroxyapatite nanocomposites by attenuated total reflection fourier transform infrared mapping coupled with principal component analysis. Polymer, 2021, 236, 124318.	3.8	1