

# Zhidan Lin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7559562/publications.pdf>

Version: 2024-02-01

58  
papers

925  
citations

471509

17  
h-index

526287

27  
g-index

58  
all docs

58  
docs citations

58  
times ranked

1128  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystallization and melting behavior of nano-CaCO <sub>3</sub> /polypropylene composites modified by acrylic acid. <i>Journal of Applied Polymer Science</i> , 2004, 91, 2443-2453.	2.6	67
2	Transforming waste polypropylene face masks into S-doped porous carbon as the cathode electrode for supercapacitors. <i>Ionics</i> , 2021, 27, 2169-2179.	2.4	66
3	New Bacterial Cellulose/Polyaniline Nanocomposite Film with One Conductive Side through Constrained Interfacial Polymerization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 2869-2874.	3.7	54
4	Self-healing flexible and strong hydrogel nanocomposites based on polyaniline for supercapacitors. <i>Ionics</i> , 2020, 26, 3015-3025.	2.4	42
5	Preparation and properties of eggshell/Î²-PP/polypropylene bio-composites. <i>Journal of Applied Polymer Science</i> , 2012, 125, 61-66.	2.6	38
6	Crystallization and melting behavior of polypropylene in Î²-PP/polyamide 6 blends containing PP-g-MA. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 692-697.	5.8	32
7	Preparation, structures and properties of shell/polypropylene biocomposites. <i>Thermochimica Acta</i> , 2013, 551, 149-154.	2.7	32
8	The Preparation of Ag Nanoparticle and Ink Used for Inkjet Printing of Paper Based Conductive Patterns. <i>Materials</i> , 2017, 10, 1004.	2.9	32
9	Nanodiamond as an efficient nucleating agent for polyphenylene sulfide. <i>Thermochimica Acta</i> , 2014, 584, 51-57.	2.7	31
10	Preparation and Photocatalysis Properties of Bacterial Cellulose/TiO <sub>2</sub> Composite Membrane Doped with Rare Earth Elements. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2011, 41, 997-1004.	0.6	28
11	Carbon Nanotube prepared by catalytic pyrolysis as the electrode for supercapacitors from polypropylene wasted face masks. <i>Ionics</i> , 2022, 28, 3489-3500.	2.4	26
12	In Situ Growth of a High-Performance All-Solid-State Electrode for Flexible Supercapacitors Based on a PANI/CNT/EVA Composite. <i>Polymers</i> , 2019, 11, 178.	4.5	25
13	Direct Writing Supercapacitors Using a Carbon Nanotube/Ag Nanoparticle-Based Ink on Cellulose Acetate Membrane Paper. <i>Polymers</i> , 2019, 11, 973.	4.5	24
14	Research on High-Value Utilization of Carbon Derived from Tobacco Waste in Supercapacitors. <i>Materials</i> , 2021, 14, 1714.	2.9	24
15	Crystallization and melt behavior of magnesium hydroxide/polypropylene composites modified by functionalized polypropylene. <i>Journal of Applied Polymer Science</i> , 2004, 91, 3899-3908.	2.6	23
16	Monetaria moneta as a novel Î²-nucleating agent for isotactic polypropylene. <i>Composites Science and Technology</i> , 2013, 87, 58-63.	7.8	18
17	Removal of Basic Fuchsin Dye by Adsorption Onto Polyacrylamide/Laponite Nanocomposite Hydrogels. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2012, 42, 1273-1277.	0.6	17
18	Effects of Carbon Fillers on Crystallization Properties and Thermal Conductivity of Poly(phenylene) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.9	17

#	ARTICLE	IF	CITATIONS
19	N, S-Codoped Activated Carbon Material with Ultra-High Surface Area for High-Performance Supercapacitors. <i>Polymers</i> , 2020, 12, 1982.	4.5	17
20	Rapid and Facile Synthesis of High-Performance Silver Nanowires by a Halide-Mediated, Modified Polyol Method for Transparent Conductive Films. <i>Nanomaterials</i> , 2020, 10, 1139.	4.1	17
21	A compatibilized composite of recycled polypropylene filled with cellulosic fiber from recycled corrugated paper board: Mechanical properties, morphology, and thermal behavior. <i>Journal of Applied Polymer Science</i> , 2011, 122, 2789-2797.	2.6	16
22	Isothermal crystallization kinetics, morphology, and thermal conductivity of graphene nanoplatelets/polyphenylene sulfide composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 118, 197-203.	3.6	16
23	Ti-Based Biomedical Material Modified with TiO <sub>x</sub> /TiN <sub>x</sub> Duplex Bioactivity Film via Micro-Arc Oxidation and Nitrogen Ion Implantation. <i>Nanomaterials</i> , 2017, 7, 343.	4.1	16
24	Biomass Straw-Derived Porous Carbon Synthesized for Supercapacitor by Ball Milling. <i>Materials</i> , 2022, 15, 924.	2.9	15
25	Photocatalytic Degradation of a Methyl Orange Wastewater Solution Using Titanium Dioxide Loaded on Bacterial Cellulose. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2011, 41, 1141-1147.	0.6	13
26	Preparation and characterization of polypropylene composites with nonmetallic materials recycled from printed circuit boards. <i>Journal of Thermoplastic Composite Materials</i> , 2016, 29, 48-57.	4.2	13
27	Effect of Inorganic Filler on the Crystallization, Mechanical Properties and Rheological Behavior of Poly(trimethylene terephthalate). <i>Polymer-Plastics Technology and Engineering</i> , 2007, 46, 417-420.	1.9	12
28	Polypropylene/Poly (Lactic Acid) Semibiocomposites Modified with Two Kinds of Intumescent Flame Retardants. <i>Polymer-Plastics Technology and Engineering</i> , 2012, 51, 991-997.	1.9	12
29	Corrosion Wear Performance of Pure Titanium Laser Texturing Surface by Nitrogen Ion Implantation. <i>Metals</i> , 2020, 10, 990.	2.3	11
30	Crystallization and melt behavior of Mg(OH) <sub>2</sub> /PP composites modified by functionalized polypropylene. <i>Journal of Applied Polymer Science</i> , 2004, 92, 3610-3621.	2.6	10
31	The effect of thermal history of polyamide 6 on the crystallization and melting behavior of $\hat{\Gamma}^2$ -nucleated polypropylene/polyamide 6 blends. <i>Thermochimica Acta</i> , 2012, 543, 59-65.	2.7	10
32	The $\hat{\Gamma}^2$ -nucleated ternary composites of polypropylene/nano-CaCO <sub>3</sub> /short poly(ethylene-terephthalate) fiber. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 114, 229-237.	3.6	10
33	PPS/recycled PEEK/ carbon nanotube composites: Structure, properties and compatibility. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	10
34	Enhancement of Carbon Nanotube Particle Distribution in PPS/PEEK/Carbon Nanotube Ternary Composites with Sausage-Like Structure. <i>Polymers</i> , 2016, 8, 50.	4.5	10
35	Low-cost high-performance asymmetric supercapacitors based on ribbon-like Ni(OH) <sub>2</sub> and biomass carbon nanofibers enriched with nitrogen and phosphorus. <i>Ionics</i> , 2019, 25, 4341-4350.	2.4	10
36	Compatibility, morphology, and crystallization behavior of compatibilized $\hat{\Gamma}^2$ -nucleated polypropylene/poly(trimethylene terephthalate) blends. <i>Journal of Applied Polymer Science</i> , 2012, 125, 1616-1624.	2.6	9

#	ARTICLE	IF	CITATIONS
37	Preparation of guar gum bonded with $\beta$ -cyclodextrin microspheres and the absorption on basic fuchsine. <i>Journal of Applied Polymer Science</i> , 2012, 123, 2250-2256.	2.6	8
38	Effects of carbon nanotube on mechanical, crystallization, and electrical properties of binary blends of poly(phenylene sulfide) and polyphthalamide. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 125, 927-934.	3.6	8
39	Carbon nano bowl array derived from a corn cob sponge/carbon nanotubes/polymer composite and its electrochemical properties. <i>Composites Science and Technology</i> , 2019, 183, 107792.	7.8	8
40	Preparation of 3D carbon conductive composite derived from nitrogen-rich resin/MWCNT and its application in supercapacitors. <i>Ionics</i> , 2021, 27, 1757-1767.	2.4	8
41	Fracture morphology of Mg(OH) <sub>2</sub> /polypropylene composites modified by functionalized polypropylene. <i>Journal of Applied Polymer Science</i> , 2003, 88, 2148-2159.	2.6	7
42	Improvement of electrochemical performance of titania nanowires for supercapacitor electrodes by in-situ growth of polyaniline nanoparticles. <i>Ceramics International</i> , 2022, 48, 1731-1739.	4.8	7
43	Crystallization and thermal behavior of recycled polypropylene composites containing nonmetallic printed circuit board powder and $\beta$ -nucleating agents. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 869-878.	3.6	6
44	Surface Characteristic Effect of Ag/TiO <sub>2</sub> Nanoarray Composite Structure on Supercapacitor Electrode Properties. <i>Scanning</i> , 2018, 2018, 1-10.	1.5	6
45	Preparation and properties of coral/ $\beta$ -polypropylene biocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 122, 1005-1011.	3.6	5
46	Preparation and characterization of low temperature curing conductive silver paste for screen printing. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	5
47	Preparation and properties of polyvinyl acetal sponge modified by chitosan. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2008, 3, 172-177.	0.4	4
48	Mechanical properties, thermal, and crystallization behavior of polypropylene composites reinforced by starch and wasted cotton cloth. <i>Journal of Applied Polymer Science</i> , 2012, 123, 562-570.	2.6	4
49	Construction of K-doped mixed-phase TiO <sub>2</sub> nanowires@MoS <sub>2</sub> nanosheets core-shell structure for researching on supercapacitors. <i>Ionics</i> , 2020, 26, 2513-2523.	2.4	4
50	Double-cross-linked polyaniline hydrogel and its application in supercapacitors. <i>Ionics</i> , 2022, 28, 423-432.	2.4	4
51	Characteristics of poly(lactic acid) reinforced composites with waste cotton. <i>Journal of Polymer Engineering</i> , 2011, 31, .	1.4	3
52	sPS/PPS/Carbon Nanotube Ternary Composites with Improved Conductivity by Controlled Melt Blending Process. <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 850-859.	1.9	3
53	Preparation and characterization of micro/nano-silver powders. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	3
54	A research on sintering process of conductive silver paste in low temperature used for silk-screen printing. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	3

#	ARTICLE	IF	CITATIONS
55	Tobacco Stalk Flour/Magnesium Oxysulfate Whiskers Reinforced Hybrid Composites of Recycled Polypropylene: Mechanical and Thermal and Antibacterial Properties. <i>Polymers</i> , 2022, 14, 815.	4.5	3
56	Tobacco stalks core-derived activated carbon with high capacitance by ZnCl <sub>2</sub> for supercapacitors. <i>Vibroengineering PROCEDIA</i> , 2021, 39, 121-126.	0.5	2
57	Grafting polypropylene and treatment of calcium carbonate to improve structure and properties of polypropylene composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 117, 765-772.	3.6	1
58	Evaluation of tribological and biological properties of TaB <sub>2</sub> / PEEK composite coatings prepared by electrodeposition. <i>Journal of Applied Polymer Science</i> , 0, , 52265.	2.6	0