

# Yan Wu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60  
papers

784  
citations

14  
h-index

26  
g-index

64  
ext. papers

1,171  
ext. citations

3.6  
avg, IF

4.94  
L-index

#	Paper	IF	Citations
60	Aerogel nanoarchitectonics based on cellulose nanocrystals and nanofibers from eucalyptus pulp: preparation and comparative study. <i>Cellulose</i> , <b>2022</b> , 29, 817-833	5.5	3
59	Thermoresistant Hybrid Ag/RGO Fiber Supercapacitors. <i>Fibers and Polymers</i> , <b>2022</b> , 23, 626-635	2	1
58	A highly transparent compressed wood prepared by cell wall densification. <i>Wood Science and Technology</i> , <b>2022</b> , 56, 669-686	2.5	2
57	Wood-cellulose photoluminescence material based on carbon quantum dot for light conversion.. <i>Carbohydrate Polymers</i> , <b>2022</b> , 290, 119429	10.3	2
56	A Multilayer Transparent Bamboo with Good Optical Properties and UV Shielding Prepared by Different Lamination Methods. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2022</b> , 10, 6106-6116	8.3	1
55	UV-Filtering Cellulose Nanocrystal/Carbon Quantum Dot Composite Films for Light Conversion in Glass Windows. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 12552-12560	5.6	3
54	Chemical modification of poplar wood featuring compressible rebound 3D structure as water treatment absorbents. <i>Journal of Cleaner Production</i> , <b>2021</b> , 129952	10.3	1
53	Properties of Multilayer Transparent Bamboo Materials.. <i>ACS Omega</i> , <b>2021</b> , 6, 33747-33756	3.9	3
52	A Superhydrophobic Moso Bamboo Cellulose Nano-Fibril Film Modified by Dopamine Hydrochloride. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 756839	5.8	1
51	Preparation and antibacterial properties of waterborne UV cured coating modified by quaternary ammonium compounds. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 5042	2.9	2
50	Comparison of Multilayer Transparent Wood and Single Layer Transparent Wood With the Same Thickness. <i>Frontiers in Materials</i> , <b>2021</b> , 8,	4	10
49	The preparation of cotton fabric with super-hydrophobicity and antibacterial properties by the modification of the stearic acid. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 50717	2.9	6
48	Wood Sponge Reinforced with Polyvinyl Alcohol for Sustainable Oil-Water Separation. <i>ACS Omega</i> , <b>2021</b> , 6, 12866-12876	3.9	12
47	A wood textile fiber made from natural wood. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 15122-15133	4.3	2
46	Study on the silica-polymer hybrid coated SrAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> , Dy <sup>3+</sup> phosphor as a photoluminescence pigment in a waterborne UV acrylic coating. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 13, 1230-1242	5.5	7
45	Understanding the effect of extractives on the mechanical properties of the waterborne coating on wood surface by nanoindentation 3D mapping. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 1401-1412	4.3	6
44	A novel waterborne polyurethane coating modified by highly dispersed nano-boron carbide particles. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 50214	2.9	0

43	A conductive polymer composed of a cellulose-based flexible film and carbon nanotubes.. <i>RSC Advances</i> , <b>2021</b> , 11, 20081-20088	3.7	2
42	Effects of two-organic-acid-dissolved chitosan on antibacterial properties of bamboo pulp-based fabrics. <i>Journal of Engineered Fibers and Fabrics</i> , <b>2021</b> , 16, 155892502110181	0.9	1
41	Using Cellulose Nanocrystal as Adjuvant to Improve the Dispersion Ability of Multilayer Graphene in Aqueous Suspension. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 638744	5.8	2
40	A strong multilayered transparent wood with natural wood color and texture. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 8000-8013	4.3	14
39	A Superhydrophobic, Antibacterial, and Durable Surface of Poplar Wood. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	6
38	A flower-like waterborne coating with self-cleaning, self-repairing properties for superhydrophobic applications. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 14, 1820-1829	5.5	5
37	Preparation process and characterization of mechanical properties of twisted bamboo spun fiber bundles. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 14, 2131-2139	5.5	5
36	Study on the Properties of Partially Transparent Wood under Different Delignification Processes. <i>Polymers</i> , <b>2020</b> , 12,	4.5	12
35	Preparation and Characterization of Waterborne UV Lacquer Product Modified by Zinc Oxide with Flower Shape. <i>Polymers</i> , <b>2020</b> , 12,	4.5	17
34	Study on the Colorimetry Properties of Transparent Wood Prepared from Six Wood Species. <i>ACS Omega</i> , <b>2020</b> , 5, 1782-1788	3.9	26
33	Study on the Properties of Transparent Bamboo Prepared by Epoxy Resin Impregnation. <i>Polymers</i> , <b>2020</b> , 12,	4.5	16
32	Mechanical and Thermal Properties of Waterborne Polyurethane Coating Modified through One-Step Cellulose Nanocrystals/Graphene Materials Sols Method. <i>Coatings</i> , <b>2020</b> , 10, 40	2.9	16
31	Characterization and Application of Lignin-Carbohydrate Complexes from Lignocellulosic Materials as Antioxidants for Scavenging In Vitro and In Vivo Reactive Oxygen Species. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 256-266	8.3	140
30	Softened Wood Treated by Deep Eutectic Solvents. <i>ACS Omega</i> , <b>2020</b> , 5, 22163-22170	3.9	6
29	Preparation of Graphene-Like Porous Carbons With Enhanced Thermal Conductivities From Lignin Nano-particles by Combining Hydrothermal Carbonization and Pyrolysis. <i>Frontiers in Energy Research</i> , <b>2020</b> , 8,	3.8	20
28	Effect of Thermal Modification on the Nano-Mechanical Properties of the Wood Cell Wall and Waterborne Polyacrylic Coating. <i>Forests</i> , <b>2020</b> , 11, 1247	2.8	4
27	Preparation and Properties of Chitosan/Graphene Modified Bamboo Fiber Fabrics. <i>Polymers</i> , <b>2019</b> , 11,	4.5	10
26	Preparation of Nanocellulose Aerogel from the Poplar ( <i>Populus tomentosa</i> ) Catkin Fiber. <i>Forests</i> , <b>2019</b> , 10, 749	2.8	10

25	Measurement of mechanical properties of multilayer waterborne coatings on wood by nanoindentation. <i>Holzforschung</i> , <b>2019</b> , 73, 871-877	2	19
24	Effect of HO Bleaching Treatment on the Properties of Finished Transparent Wood. <i>Polymers</i> , <b>2019</b> , 11,	4.5	26
23	Synthesis of Carbon Quantum Dot Nanoparticles Derived from Byproducts in Bio-Refinery Process for Cell Imaging and In Vivo Bioimaging. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	83
22	Mechanical and thermal properties of rice straw cellulose nanofibrils-enhanced polyvinyl alcohol films using freezing-and-thawing cycle method. <i>Cellulose</i> , <b>2019</b> , 26, 3193-3204	5.5	22
21	The Implication of Benzene Ethanol Extractive on Mechanical Properties of Waterborne Coating and Wood Cell Wall by Nanoindentation. <i>Coatings</i> , <b>2019</b> , 9, 449	2.9	14
20	Synthesis and characterisation of superhydrophobic CNC/ZnO nanocomposites by using stearic acid. <i>Micro and Nano Letters</i> , <b>2019</b> , 14, 1317-1321	0.9	3
19	The Microstructure and Mechanical Properties of Poplar Catkin Fibers Evaluated by Atomic Force Microscope (AFM) and Nanoindentation. <i>Forests</i> , <b>2019</b> , 10, 938	2.8	8
18	Impact of delignification on morphological, optical and mechanical properties of transparent wood. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2019</b> , 117, 324-331	8.4	51
17	Effect of alkali treatment on wettability and thermal stability of individual bamboo fibers. <i>Journal of Wood Science</i> , <b>2018</b> , 64, 398-405	2.4	49
16	Effects of thermal modification on the physical, chemical and micromechanical properties of Masson pine wood ( <i>Pinus massoniana</i> Lamb.). <i>Holzforschung</i> , <b>2018</b> , 72, 1063-1070	2	35
15	Microcrystalline Cellulose/Polyurethane Wood Material Preparation and Properties Research. <i>Applied Mechanics and Materials</i> , <b>2016</b> , 851, 122-126	0.3	1
14	Preparation and Characterization of Silica Nanotubes with Cellulose as Template. <i>Applied Mechanics and Materials</i> , <b>2016</b> , 851, 61-65	0.3	2
13	Performance of Wood Flooring UV Coatings Interfacial Modified by Nano-Silica. <i>Key Engineering Materials</i> , <b>2014</b> , 609-610, 118-123	0.4	
12	Influence of Sonomechanical Treatment on the Structure of Cellulose Micro/Nano Fibrils. <i>Key Engineering Materials</i> , <b>2014</b> , 609-610, 526-530	0.4	4
11	Biodegradable polyvinyl alcohol nanocomposites made from rice straw fibrils: Mechanical and thermal properties. <i>Journal of Composite Materials</i> , <b>2013</b> , 47, 1449-1459	2.7	11
10	Lifetime Prediction of EPU/Al Low Infrared Emissivity Coatings in Damp Heat. <i>Applied Mechanics and Materials</i> , <b>2013</b> , 442, 104-109	0.3	1
9	Preparation of Cellulose Micro/Nano Fibrils by Sonochemical Method and its Morphological Characterization. <i>Key Engineering Materials</i> , <b>2013</b> , 562-565, 864-868	0.4	
8	Prediction of Bending Creep Behavior of Rice Hull Flour/Polypropylene Composite. <i>Applied Mechanics and Materials</i> , <b>2012</b> , 200, 203-206	0.3	

7	Research on Performance of Vetier ( <i>Vetiveria zizanioides</i> ) Cellulose Micro/Nano Fibrils Isolated by High Intensity Ultrasonication. <i>Advanced Materials Research</i> , <b>2011</b> , 393-395, 1405-1408	0.5	
6	Mechanical and Thermal Properties of Poly(Vinyl Alcohol) Nanocomposite Material Reinforced with Rice Straw Fibril and Fibril Aggregates. <i>Advanced Materials Research</i> , <b>2011</b> , 183-185, 1883-1887	0.5	
5	Influence of Extruder Conditions on Mechanical Properties of Polypropylene Nanocomposites Reinforced with Rice Straw Micro/Nano Fibrils. <i>Advanced Materials Research</i> , <b>2011</b> , 236-238, 1877-1880	0.5	
4	Investigation of Morphology of Vetier ( <i>Vetiveria zizanioides</i> ) Cellulose Micro/Nano Fibrils Isolated by High Intensity Ultrasonication. <i>Advanced Materials Research</i> , <b>2011</b> , 284-286, 796-800	0.5	
3	Research on Melamine Formaldehyde Resin Modified by Vetier ( <i>Vetiveria zizanioides</i> ) Micro/Nano Fibrils. <i>Advanced Materials Research</i> , <b>2011</b> , 261-263, 537-541	0.5	
2	Evaluation of elastic modulus and hardness of crop stalks cell walls by nano-indentation. <i>Bioresource Technology</i> , <b>2010</b> , 101, 2867-71	11	73
1	A multilayer transparent wood prepared by laminating two kinds of tree species. <i>Journal of Applied Polymer Science</i> , 51872	2.9	2