

# Supachok Tanpichai

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/5418594/supachok-tanpichai-publications-by-citations.pdf>

**Version:** 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

39  
papers

1,440  
citations

19  
h-index

37  
g-index

40  
ext. papers

1,803  
ext. citations

5.4  
avg. IF

5.16  
L-index

#	Paper	IF	Citations
39	Review of the recent developments in cellulose nanocomposite processing. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2016</b> , 83, 2-18	8.4	466
38	Effective Young's modulus of bacterial and microfibrillated cellulose fibrils in fibrous networks. <i>Biomacromolecules</i> , <b>2012</b> , 13, 1340-9	6.9	160
37	Cross-linked nanocomposite hydrogels based on cellulose nanocrystals and PVA: Mechanical properties and creep recovery. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2016</b> , 88, 226-233	8.4	96
36	Surface and Interface Engineering for Nanocellulosic Advanced Materials. <i>Advanced Materials</i> , <b>2021</b> , 33, e2002264	24	87
35	Keratin Extracted from Chicken Feather Waste: Extraction, Preparation, and Structural Characterization of the Keratin and Keratin/Biopolymer Films and Electrospuns. <i>Journal of Polymers and the Environment</i> , <b>2015</b> , 23, 506-516	4.5	62
34	Cross-linked polyvinyl alcohol (PVA) foams reinforced with cellulose nanocrystals (CNCs). <i>Cellulose</i> , <b>2016</b> , 23, 1925-1938	5.5	56
33	Micromechanics of TEMPO-oxidized fibrillated cellulose composites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 331-7	9.5	49
32	Stress-transfer in microfibrillated cellulose reinforced poly(lactic acid) composites using Raman spectroscopy. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2012</b> , 43, 1145-1152	8.4	41
31	Water Hyacinth: A Sustainable Lignin-Poor Cellulose Source for the Production of Cellulose Nanofibers. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 18884-18893	8.3	38
30	Porosity, density and mechanical properties of the paper of steam exploded bamboo microfibers controlled by nanofibrillated cellulose. <i>Journal of Materials Research and Technology</i> , <b>2019</b> , 8, 3612-3622	5.5	37
29	Stress transfer in microfibrillated cellulose reinforced poly(vinyl alcohol) composites. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2014</b> , 65, 186-191	8.4	37
28	Study on structural and thermal properties of cellulose microfibers isolated from pineapple leaves using steam explosion. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 102836	6.8	34
27	Enhancement of thermal, mechanical and barrier properties of EVA solar cell encapsulating films by reinforcing with esterified cellulose nanofibres. <i>Polymer Testing</i> , <b>2015</b> , 48, 12-22	4.5	28
26	Crosslinked poly(vinyl alcohol) composite films with cellulose nanocrystals: Mechanical and thermal properties. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 45710	2.9	26
25	Effect of clay content on morphology and processability of electrospun keratin/poly(lactic acid) nanofiber. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 85, 585-95	7.9	25
24	Polyurethane/esterified cellulose nanocrystal composites as a transparent moisture barrier coating for encapsulation of dye sensitized solar cells. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134, 45010	2.9	22
23	Effects of Two Different Cellulose Nanofiber Types on Properties of Poly(vinyl alcohol) Composite Films. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-10	3.2	21

22	Mechanical and antibacterial properties of the chitosan coated cellulose paper for packaging applications: Effects of molecular weight types and concentrations of chitosan. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 155, 1510-1519	7.9	21
21	All-cellulose composites from pineapple leaf microfibers: Structural, thermal, and mechanical properties. <i>Polymer Composites</i> , <b>2018</b> , 39, 895-903	3	20
20	Optically transparent tough nanocomposites with a hierarchical structure of cellulose nanofiber networks prepared by the Pickering emulsion method. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2020</b> , 132, 105811	8.4	18
19	All-cellulose composite laminates prepared from pineapple leaf fibers treated with steam explosion and alkaline treatment. <i>Journal of Reinforced Plastics and Composites</i> , <b>2017</b> , 36, 1146-1155	2.9	13
18	Thermally Superstable Cellulosic-Nanorod-Reinforced Transparent Substrates Featuring Microscale Surface Patterns. <i>ACS Nano</i> , <b>2019</b> , 13, 2015-2023	16.7	11
17	Highly Thermal-Resilient AgNW Transparent Electrode and Optical Device on Thermomechanically Superstable Cellulose Nanorod-Reinforced Nanocomposites. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900532	8.1	10
16	Mechanical Properties of All-Cellulose Composites Made from Pineapple Leaf Microfibers. <i>Key Engineering Materials</i> , <b>2015</b> , 659, 453-457	0.4	7
15	Reinforcing abilities of microfibers and nanofibrillated cellulose in poly(lactic acid) composites. <i>Science and Engineering of Composite Materials</i> , <b>2018</b> , 25, 395-401	1.5	7
14	Review of the recent developments in all-cellulose nanocomposites: Properties and applications.. <i>Carbohydrate Polymers</i> , <b>2022</b> , 286, 119192	10.3	7
13	Extraction of Nanofibrillated Cellulose from Water Hyacinth Using a High Speed Homogenizer. <i>Journal of Natural Fibers</i> , 1-21	1.8	6
12	Transparency, moisture barrier property, and performance of the alternative solar cell encapsulants based on PU/PVDC blend reinforced with different types of cellulose nanocrystals. <i>Materials for Renewable and Sustainable Energy</i> , <b>2018</b> , 7, 1	4.7	5
11	Preparation and Characterization of Iron Oxide Decorated Graphene Nanoplatelets for Use as Barrier Enhancing Fillers in Polyurethane Based Solar Cell Encapsulant. <i>Materials Today: Proceedings</i> , <b>2020</b> , 23, 703-711	1.4	4
10	Microfibrillated Cellulose Reinforced Poly(vinyl alcohol) Composites. <i>Advanced Materials Research</i> , <b>2013</b> , 747, 359-362	0.5	4
9	Using borax as a cross-linking agent in cellulose-based hydrogels. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 600, 012013	0.4	4
8	Properties of Cellulose Microfibers Extracted from Pineapple Leaves by Steam Explosion. <i>Advanced Materials Research</i> , <b>2015</b> , 1131, 231-234	0.5	3
7	Recent development of plant-derived nanocellulose in polymer nanocomposite foams and multifunctional applications: A mini-review. <i>EXPRESS Polymer Letters</i> , <b>2022</b> , 16, 52-74	3.4	3
6	Chitosan coating for the preparation of multilayer coated paper for food-contact packaging: Wettability, mechanical properties, and overall migration. <i>International Journal of Biological Macromolecules</i> , <b>2022</b> , 213, 534-545	7.9	3
5	Facile Single-step Preparation of Cellulose Nanofibers by TEMPO-mediated Oxidation and Their Nanocomposites. <i>Journal of Natural Fibers</i> , 1-17	1.8	2

4	Aligned-porous-structured poly(vinyl alcohol) foams with cellulose nanocrystals <b>2018</b> ,		2
3	Effects of Preparation Parameters on Morphology of Cellulose Nanowhiskers. <i>Advanced Materials Research</i> , <b>2014</b> , 1044-1045, 35-38	0.5	1
2	Physical Properties of PP/Recycled PET Blends Prepared by Pulverization Technique. <i>Advanced Materials Research</i> , <b>2012</b> , 488-489, 109-113	0.5	1
1	Functionalized graphene nanoplatelets as a barrier enhancing filler in organic photovoltaic encapsulant. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 50351	2.9	