Supachok Tanpichai

List of Publications by Year in Descending Order

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39	1,440	19	37
papers	citations	h-index	g-index
40	**1,803**	**5.4**	**5.16**
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
39	Review of the recent developments in all-cellulose nanocomposites: Properties and applications.. *Carbohydrate Polymers*, **2022**, 286, 119192	10.3	7
38	Recent development of plant-derived nanocellulose in polymer nanocomposite foams and multifunctional applications: A mini-review. *EXPRESS Polymer Letters*, **2022**, 16, 52-74	3.4	3
37	Chitosan coating for the preparation of multilayer coated paper for food-contact packaging: Wettability, mechanical properties, and overall migration. *International Journal of Biological Macromolecules*, **2022**, 213, 534-545	7.9	3
36	Surface and Interface Engineering for Nanocellulosic Advanced Materials. *Advanced Materials*, **2021** , 33, e2002264	24	87
35	Functionalized graphene nanoplatelets as a barrier enhancing filler in organic photovoltaic encapsulant. *Journal of Applied Polymer Science*, **2021**, 138, 50351	2.9	
34	Preparation and Characterization of Iron Oxide Decorated Graphene Nanoplatelets for Use as Barrier Enhancing Fillers in Polyurethane Based Solar Cell Encapsulant. *Materials Today: Proceedings* , **2020**, 23, 703-711	1.4	4
33	Optically transparent tough nanocomposites with a hierarchical structure of cellulose nanofiber networks prepared by the Pickering emulsion method. *Composites Part A: Applied Science and Manufacturing*, **2020**, 132, 105811	8.4	18
32	Mechanical and antibacterial properties of the chitosan coated cellulose paper for packaging applications: Effects of molecular weight types and concentrations of chitosan. *International Journal of Biological Macromolecules*, **2020**, 155, 1510-1519	7.9	21
31	Thermally Superstable Cellulosic-Nanorod-Reinforced Transparent Substrates Featuring Microscale Surface Patterns. *ACS Nano*, **2019**, 13, 2015-2023	16.7	11
30	Porosity, density and mechanical properties of the paper of steam exploded bamboo microfibers controlled by nanofibrillated cellulose. *Journal of Materials Research and Technology*, **2019**, 8, 3612-3622	5.5	37
29	Highly Thermal-Resilient AgNW Transparent Electrode and Optical Device on Thermomechanically Superstable Cellulose Nanorod-Reinforced Nanocomposites. *Advanced Optical Materials*, **2019**, 7, 1900532	8.1	10
28	Water Hyacinth: A Sustainable Lignin-Poor Cellulose Source for the Production of Cellulose Nanofibers. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 18884-18893	8.3	38
27	Using borax as a cross-linking agent in cellulose-based hydrogels. *IOP Conference Series: Materials Science and Engineering*, **2019**, 600, 012013	0.4	4
26	Study on structural and thermal properties of cellulose microfibers isolated from pineapple leaves using steam explosion. *Journal of Environmental Chemical Engineering*, **2019**, 7, 102836	6.8	34
25	All-cellulose composites from pineapple leaf microfibers: Structural, thermal, and mechanical properties. *Polymer Composites*, **2018**, 39, 895-903	3	20
24	Reinforcing abilities of microfibers and nanofibrillated cellulose in poly(lactic acid) composites. *Science and Engineering of Composite Materials*, **2018**, 25, 395-401	1.5	7
23	Crosslinked poly(vinyl alcohol) composite films with cellulose nanocrystals: Mechanical and thermal properties. *Journal of Applied Polymer Science*, **2018**, 135, 45710	2.9	26

22	Transparency, moisture barrier property, and performance of the alternative solar cell encapsulants based on PU/PVDC blend reinforced with different types of cellulose nanocrystals. *Materials for Renewable and Sustainable Energy*, **2018**, 7, 1	4.7	5
21	Aligned-porous-structured poly(vinyl alcohol) foams with cellulose nanocrystals **2018**,		2
20	Polyurethane/esterified cellulose nanocrystal composites as a transparent moisture barrier coating for encapsulation of dye sensitized solar cells. *Journal of Applied Polymer Science*, **2017**, 134, 45010	2.9	22
19	All-cellulose composite laminates prepared from pineapple leaf fibers treated with steam explosion and alkaline treatment. *Journal of Reinforced Plastics and Composites*, **2017**, 36, 1146-1155	2.9	13
18	Cross-linked nanocomposite hydrogels based on cellulose nanocrystals and PVA: Mechanical properties and creep recovery. *Composites Part A: Applied Science and Manufacturing*, **2016**, 88, 226-233	8.4	96
17	Effect of clay content on morphology and processability of electrospun keratin/poly(lactic acid) nanofiber. *International Journal of Biological Macromolecules*, **2016**, 85, 585-95	7.9	25
16	Review of the recent developments in cellulose nanocomposite processing. *Composites Part A: Applied Science and Manufacturing*, **2016**, 83, 2-18	8.4	466
15	Cross-linked polyvinyl alcohol (PVA) foams reinforced with cellulose nanocrystals (CNCs). *Cellulose*, **2016**, 23, 1925-1938	5.5	56
14	Keratin Extracted from Chicken Feather Waste: Extraction, Preparation, and Structural Characterization of the Keratin and Keratin/Biopolymer Films and Electrospuns. *Journal of Polymers and the Environment*, **2015**, 23, 506-516	4.5	62
13	Enhancement of thermal, mechanical and barrier properties of EVA solar cell encapsulating films by reinforcing with esterified cellulose nanofibres. *Polymer Testing*, **2015**, 48, 12-22	4.5	28
12	Mechanical Properties of All-Cellulose Composites Made from Pineapple Leaf Microfibers. *Key Engineering Materials*, **2015**, 659, 453-457	0.4	7
11	Effects of Two Different Cellulose Nanofiber Types on Properties of Poly(vinyl alcohol) Composite Films. *Journal of Nanomaterials*, **2015**, 2015, 1-10	3.2	21
10	Properties of Cellulose Microfibers Extracted from Pineapple Leaves by Steam Explosion. *Advanced Materials Research*, **2015**, 1131, 231-234	0.5	3
9	Effects of Preparation Parameters on Morphology of Cellulose Nanowhiskers. *Advanced Materials Research*, **2014**, 1044-1045, 35-38	0.5	1
8	Stress transfer in microfibrillated cellulose reinforced poly(vinyl alcohol) composites. *Composites Part A: Applied Science and Manufacturing*, **2014**, 65, 186-191	8.4	37
7	Microfibrillated Cellulose Reinforced Poly(vinyl alcohol) Composites. *Advanced Materials Research*, **2013**, 747, 359-362	0.5	4
6	Stress-transfer in microfibrillated cellulose reinforced poly(lactic acid) composites using Raman spectroscopy. *Composites Part A: Applied Science and Manufacturing*, **2012**, 43, 1145-1152	8.4	41
5	Micromechanics of TEMPO-oxidized fibrillated cellulose composites. *ACS Applied Materials & Interfaces*, **2012**, 4, 331-7	9.5	49

4	Effective Young's modulus of bacterial and microfibrillated cellulose fibrils in fibrous networks. *Biomacromolecules*, **2012**, 13, 1340-9	6.9	160
3	Physical Properties of PP/Recycled PET Blends Prepared by Pulverization Technique. *Advanced Materials Research*, **2012**, 488-489, 109-113	0.5	1
2	Facile Single-step Preparation of Cellulose Nanofibers by TEMPO-mediated Oxidation and Their Nanocomposites. *Journal of Natural Fibers*,1-17	1.8	2
1	Extraction of Nanofibrillated Cellulose from Water Hyacinth Using a High Speed Homogenizer. *Journal of Natural Fibers*,1-21	1.8	6