Jyh-Horng Wu

List of Publications by Year
in descending order

83	2,413	201385 27	233125 45
papers	citations	h-index	g-index

85	85	85	2572
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antioxidant Activity of Extracts fromAcacia confusaBark and Heartwood. Journal of Agricultural and Food Chemistry, 2001, 49, 3420-3424.	2.4	380
2	Antioxidant activities of natural phenolic compounds from Acacia confusa bark. Bioresource Technology, 2007, 98, 1120-1123.	4.8	127
3	Online RP-HPLC-DPPH Screening Method for Detection of Radical-Scavenging Phytochemicals from Flowers of Acacia confusa. Journal of Agricultural and Food Chemistry, 2008, 56, 328-332.	2.4	84
4	Mechanical properties and extended creep behavior of bamboo fiber reinforced recycled poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Materials, 2015, 93, 558-563.	3.2	83
5	Protective effect of Acacia confusa bark extract and its active compound gallic acid against carbon tetrachloride-induced chronic liver injury in rats. Food and Chemical Toxicology, 2009, 47, 1385-1392.	1.8	81
6	Natural weathering properties of acetylated bamboo plastic composites. Polymer Degradation and Stability, 2012, 97, 1680-1685.	2.7	81
7	Phenolic Antioxidants from the Heartwood ofAcacia confusa. Journal of Agricultural and Food Chemistry, 2005, 53, 5917-5921.	2.4	73
8	A Galactolipid Possesses Novel Cancer Chemopreventive Effects by Suppressing Inflammatory Mediators and Mouse B16 Melanoma. Cancer Research, 2007, 67, 6907-6915.	0.4	73
9	Assessing the effect of wood acetylation on mechanical properties and extended creep behavior of wood/recycled-polypropylene composites. Construction and Building Materials, 2016, 108, 139-145.	3.2	69
10	Antioxidant activities and phytochemical characteristics of extracts from Acacia confusa bark. Bioresource Technology, 2009, 100, 509-514.	4.8	56
11	Effect of Phytocompounds from the Heartwood of Acacia confusa on Inflammatory Mediator Production. Journal of Agricultural and Food Chemistry, 2008, 56, 1567-1573.	2.4	51
12	Free radical-scavenging phytochemicals of hot water extracts of Acacia confusa leaves detected by an on-line screening method. Food Chemistry, 2009, 115, 1019-1024.	4.2	50
13	Mechanical and interfacial properties of plastic composite panels made from esterified bamboo particles. Journal of Wood Science, 2010, 56, 216-221.	0.9	45
14	Effects of heat treatment on the chemical compositions and thermal decomposition kinetics of Japanese cedar and beech wood. Polymer Degradation and Stability, 2018, 158, 220-227.	2.7	45
15	Bioactive Phytochemicals of Leaf Essential Oils of Cinnamomum osmophloeum Prevent Lipopolysaccharide/<scp>d</scp>-Galactosamine (LPS/<scp>d</scp>-GalN)-Induced Acute Hepatitis in Mice. Journal of Agricultural and Food Chemistry, 2011, 59, 8117-8123.	2.4	38
16	Whole-Body Vibration Training Effect on Physical Performance and Obesity in Mice. International Journal of Medical Sciences, 2014, 11, 1218-1227.	1.1	37
17	Effect of titanium dioxide on chemical and molecular changes in PVC sidings during QUV accelerated weathering. Polymer Degradation and Stability, 2014, 104, 33-39.	2.7	37
18	Green-color conservation of ma bamboo (Dendrocalamus latiflorus) treated with chromium-based reagents. Journal of Wood Science, 2000, 46, 40-44.	0.9	35

#	Article	IF	Citations
19	Characteristics and discrimination of five types of wood-plastic composites by FTIR spectroscopy combined with principal component analysis. Holzforschung, 2010, 64, .	0.9	34
20	Cytotoxic C₃₅ Terpenoid Cryptotrione from the Bark of Cryptomeria japonica. Organic Letters, 2010, 12, 2786-2789.	2.4	34
21	Antioxidative phytochemicals from Rhododendron oldhamii Maxim. leaf extracts reduce serum uric acid levels in potassium oxonate-induced hyperuricemic mice. BMC Complementary and Alternative Medicine, 2015, 15, 423.	3.7	34
22	Proteomics Analysis to Identify and Characterize the Molecular Signatures of Hepatic Steatosis in Ovariectomized Rats as a Model of Postmenopausal Status. Nutrients, 2015, 7, 8752-8766.	1.7	33
23	Ferruginol Inhibits Nonâ€“Small Cell Lung Cancer Growth by Inducing Caspase-Associated Apoptosis. Integrative Cancer Therapies, 2015, 14, 86-97.	0.8	33
24	Antioxidant activity of extracts from Calocedrus formosana leaf, bark, and heartwood. Journal of Wood Science, 2004, 50, 422-426.	0.9	32
25	Effects of polymeric matrix on accelerated UV weathering properties of wood-plastic composites. Holzforschung, 2012, 66, 981-987.	0.9	30
26	Anti-inflammatory Lanostanoids and Lactone Derivatives from Antrodia camphorata. Journal of Natural Products, 2013, 76, 489-494.	1.5	30
27	Screening, determination and quantification of major antioxidants from Balanophora laxiflora flowers. Food Chemistry, 2010, 122, 584-588.	4.2	29
28	The Effect of Maleated Polypropylene on the Non-Isothermal Crystallization Kinetics of Wood Fiber-Reinforced Polypropylene Composites. Polymers, 2018, 10, 382.	2.0	23
29	The influence of hot-press temperature and cooling rate on thermal and physicomechanical properties of bamboo particle-polylactic acid composites. Holzforschung, 2013, 67, 325-331.	0.9	22
30	A comparison of annealing process and nucleating agent (zinc phenylphosphonate) on the crystallization, viscoelasticity, and creep behavior of compression-molded poly(lactic acid) blends. Polymer Degradation and Stability, 2015, 121, 230-237.	2.7	22
31	Rhododendron oldhamii leaf extract improves fatty liver syndrome by increasing lipid oxidation and decreasing the lipogenesis pathway in mice. International Journal of Medical Sciences, 2017, 14, 862-870.	1.1	22
32	Nonisothermal Crystallization Kinetics of Acetylated Bamboo Fiber-Reinforced Polypropylene Composites. Polymers, 2019, 11, 1078.	2.0	22
33	Effects of maleated polypropylene content on the extended creep behavior of woodâ€'polypropylene composites using the stepped isothermal method and the stepped isostress method. Wood Science and Technology, 2018, 52, 1313-1330.	1.4	21
34	Characterization of Wood-Plastic Composites Made with Different Lignocellulosic Materials that Vary in Their Morphology, Chemical Composition and Thermal Stability. Polymers, 2017, 9, 726.	2.0	20
35	Effects of copper-phosphorous salt treatments on green colour protection and fastness of ma bamboo (Dendrocalamus latiflorus). Polymer Degradation and Stability, 2002, 78, 379-384.	2.7	19
36	Characteristics and thermal decomposition kinetics of wood-SiO₂composites derived by the sol-gel process. Holzforschung, 2017, 71, 233-240.	0.9	19

#	Article	IF	Citations
37	Stabilizing Effect of Chromated Salt Treatment on the Green Color of Ma Bamboo (Dendrocalamus) Tj ETQq1 1 0.784314 rgBT /Overl	0.9	18
38	Effect of titanium dioxide particles on the surface morphology and the mechanical properties of PVC composites during QUV accelerated weathering. Polymer Composites, 2016, 37, 3391-3397.	2.3	18
39	Antifatigue Activity and Exercise Performance of Phenolic-Rich Extracts from Calendula officinalis, Ribes nigrum, and Vaccinium myrtillus. Nutrients, 2019, 11, 1715.	1.7	18
40	Comparison and Characterization of the Antioxidant Potential of 3 Wild Grapesâ€•Vitis thunbergii,â€,V. flexuosa, andâ€,V. kelungeusis. Journal of Food Science, 2011, 76, C701-6.	1.5	17
41	Extraction and determination of chlorophylls from moso bamboo (Phyllostachys pubescens) culm. Perspectives on Global Development and Technology, 2002, 1, 171-180.	0.2	16
42	Antioxidant Activities and Phytochemical Study of Leaf Extracts from 18 Indigenous Tree Species in Taiwan. Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-8.	0.5	16
43	Modification of lignin in sugarcane bagasse by a monocopper hydrogen peroxide-generating oxidase from Thermobifida fusca. Process Biochemistry, 2016, 51, 1486-1495.	1.8	16
44	Green colour protection of makino bamboo (Phyllostachys makinoi) treated with ammoniacal copper quaternary and copper azole preservatives. Polymer Degradation and Stability, 2005, 90, 167-172.	2.7	15
45	Baicalein Triggers Mitochondria-Mediated Apoptosis and Enhances the Antileukemic Effect of Vincristine in Childhood Acute Lymphoblastic Leukemia CCRF-CEM Cells. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-19.	0.5	15
46	Rapid extraction of epidermis chlorophyll of moso bamboo (Phyllostachys pubescens) culm using ultrasonics. Journal of Wood Science, 1998, 44, 78-80.	0.9	14
47	Effects of chromated-phosphate treatment process on the green color protection of ma bamboo (Dendrocalamus latiflorus). Journal of Wood Science, 2002, 48, 227-231.	0.9	14
48	Triterpenoids and Aromatics from Derris laxiflora. Journal of Natural Products, 2008, 71, 1829-1832.	1.5	14
49	Phytocompounds from Vitis kelungensis stem prevent carbon tetrachloride-induced acute liver injury in mice. Food Chemistry, 2011, 125, 726-731.	4.2	14
50	Antioxidant Activities and Phytochemicals of Leaf Extracts from 10 NativeRhododendronSpecies in Taiwan. Evidence-based Complementary and Alternative Medicine, 2014, 2014, 1-9.	0.5	14
51	Effects of Heat-Treated Wood Particles on the Physico-Mechanical Properties and Extended Creep Behavior of Wood/Recycled-HDPE Composites Using the Timeâ€“Temperature Superposition Principle. Materials, 2017, 10, 365.	1.3	14
52	Mechanisms for the surface colour protection of bamboo treated with chromated phosphate. Polymer Degradation and Stability, 2001, 74, 551-557.	2.7	13
53	Effect of SiO2 Content on the Extended Creep Behavior of SiO2-Based Wood-Inorganic Composites Derived via the Solâ€“Gel Process Using the Stepped Isostress Method. Polymers, 2018, 10, 409.	2.0	13
54	Anti-NAFLD Effect of Djulis Hull and Its Major Compound, Rutin, in Mice with High-Fat Diet (HFD)-Induced Obesity. Antioxidants, 2021, 10, 1694.	2.2	13

#	Article	IF	Citations
55	Characterization and Thermal Stability of Acetylated Slicewood Production by Alkali-Catalyzed Esterification. Materials, 2017, 10, 393.	1.3	12
56	Green color protection of bamboo culms using one-step alkali pretreatment-free process. Journal of Wood Science, 2005, 51, 622-627.	0.9	11
57	Antioxidant activity and constituents of extracts from the root of Garcinia multiflora. Journal of Wood Science, 2008, 54, 383-389.	0.9	11
58	Leaf Extracts ofCalocedrus formosana(Florin) Induce G2/M Cell Cycle Arrest and Apoptosis in Human Bladder Cancer Cells. Evidence-based Complementary and Alternative Medicine, 2011, 2011, 1-10.	0.5	11
59	The Hypouricemic Effect ofBalanophora laxifloraExtracts and Derived Phytochemicals in Hyperuricemic Mice. Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-7.	0.5	11
60	The influence of bamboo fiber content on the non-isothermal crystallization kinetics of bamboo fiber-reinforced polypropylene composites (BPCs). Holzforschung, 2018, 72, 329-336.	0.9	11
61	Reaction Characteristics on the Green Surface of Moso Bamboo (Phyllostachys pubescens Mazel) Treated with Chromated Phosphate. Holzforschung, 2002, 56, 130-134.	0.9	10
62	Evaluation of the effectiveness of alcohol-borne reagents on the green colour protection of makino bamboo (Phyllostachys makinoi). Polymer Degradation and Stability, 2004, 83, 473-479.	2.7	10
63	Comparison of physical and thermal properties of various wood-inorganic composites (WICs) derived by the sol-gel process. Holzforschung, 2018, 72, 379-386.	0.9	10
64	Preparation of Biomorphic Porous SiC Ceramics from Bamboo by Combining Solâ€“Gel Impregnation and Carbothermal Reduction. Polymers, 2019, 11, 1442.	2.0	10
65	Molecular Mechanisms Underlying Yatein-Induced Cell-Cycle Arrest and Microtubule Destabilization in Human Lung Adenocarcinoma Cells. Cancers, 2019, 11, 1384.	1.7	10
66	Comparisons and Characteristics of Slicewood Acetylation with Acetic Anhydride by Liquid Phase, Microwave, and Vapor Phase Reactions. BioResources, 2014, 9, .	0.5	9
67	Long-Term Creep Behavior Prediction of Sol-Gel Derived SiO2- and TiO2-Wood Composites Using the Stepped Isostress Method. Polymers, 2019, 11, 1215.	2.0	9
68	Effects of acetylation on the thermal decomposition kinetics of makino bamboo fibers. Wood Science and Technology, 2019, 53, 873-887.	1.4	9
69	Two Novel 15(10â†'1)Abeomuurolane Sesquiterpenes fromCosmos sulphureus. Helvetica Chimica Acta, 2010, 93, 753-756.	1.0	8
70	EVALUATION AND APPLICATION OF THE INVASIVE WEED MIKANIA MICRANTHA AS AN ALTERNATIVE REINFORCEMENT IN RECYCLED HIGH DENSITY POLYETHYLENE. BioResources, 2012, 7, .	0.5	8
71	Effect of Coriolus versicolor Mycelia Extract on Exercise Performance and Physical Fatigue in Mice. International Journal of Medical Sciences, 2017, 14, 1110-1117.	1.1	8
72	Physicomechanical properties and creep behavior of plywood composed of fully and partially heat-treated veneers. Wood Science and Technology, 2021, 55, 445-460.	1.4	8

#	Article	IF	Citations
73	Djulis Hull Improves Insulin Resistance and Modulates the Gut Microbiota in High-Fat Diet (HFD)-Induced Hyperglycaemia. Antioxidants, 2022, 11, 45.	2.2	8
74	Effects of a layered structure on the physicomechanical properties and extended creep behavior of bamboo-polypropylene composites (BPCs) determined by the stepped isostress method. Holzforschung, 2018, 72, 589-597.	0.9	6
75	Effects of Acetylated Veneer on the Natural Weathering Properties of Adhesive-Free Veneer Overlaid Woodâ€'Plastic Composites. Polymers, 2020, 12, 513.	2.0	6
76	Proteomics Reveals Octyl Gallate as an Environmentally Friendly Wood Preservative Leading to Reactive Oxygen Species-Driven Metabolic Inflexibility and Growth Inhibition in White-Rot Fungi (Lenzites betulina and Trametes versicolor). Journal of Fungi (Basel, Switzerland), 2021, 7, 145.	1.5	6
77	Two new flavonoids from Derris laxiflora Benth. Phytochemistry Letters, 2017, 21, 29-31.	0.6	5
78	Immune-regulatory activity of methanolic extract of Acacia confusa heartwood and melanoxetin isolated from the extract. Holzforschung, 2015, 69, 645-652.	0.9	3
79	Transcrystallization of the acetylated bamboo fiber/polypropylene composite under isothermal crystallization. Wood Science and Technology, 2021, 55, 797-810.	1.4	3
80	Comparison of the Physico-Mechanical and Weathering Properties of Woodâ€"Plastic Composites Made of Wood Fibers from Discarded Parts of Pomelo Trees and Polypropylene. Polymers, 2021, 13, 2681.	2.0	2
81	Antitumor agent yatein from Calocedrus formosana Florin leaf induces apoptosis in non-small-cell lung cancer cells. Journal of Wood Science, 2019, 65, .	0.9	2
82	Two New Lignans from the Wood of Cunninghamia konishii. Natural Product Communications, 2013, 8, 1934578X1300800.	0.2	0
83	Pterocarpans from Derris Laxiflora. Natural Product Communications, 2016, 11, 1934578X1601100.	0.2	0