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Structural analysis of photodegraded wood by means of FTIR spectroscopy

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412	Structural FTIR analysis and thermal characterisation of lyocell and viscose-type fibres. 2004 , 40, 2229-2234		406
411	Investigation of wood wettability changes during heat treatment on the basis of chemical analysis. <i>Polymer Degradation and Stability</i> , 2005 , 89, 1-5	4.7	222
410	Degradability of composites, prepared from ethylene-propylene copolymer and jute fiber under accelerated aging and biotic environments. 2005 , 92, 458-469		62
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408	Comparative Study of Wood Samples of the Northern Area of Catalonia by FTIR. 2005 , 25, 1-11		39
407	The application of FTIR spectroscopy on characterization of paper samples, modified by Bookkeeper process. 2006 , 41, 112-117		26
406	The efficacy of photostabilizers on the color change of wood filled plastic composites. <i>Polymer Degradation and Stability</i> , 2006 , 91, 1156-1165	4.7	123
405	Biodegradability of bio-flour filled biodegradable poly(butylene succinate) bio-composites in natural and compost soil. <i>Polymer Degradation and Stability</i> , 2006 , 91, 1117-1127	4.7	188
404	Surface modification of lignocellulosic fibers using high-frequency ultrasound. 2006 , 13, 9-22		27
403	Spectral characterization of eucalyptus wood. 2007 , 61, 1168-77		193
402	Synthesis and characterization of methylcellulose from sugar cane bagasse cellulose. 2007 , 67, 182-189		141
401	CP-MAS 13C NMR and FT-IR investigation of the degradation reactions of polymer constituents in wood welding. <i>Polymer Degradation and Stability</i> , 2008 , 93, 406-412	4.7	62
400	Accelerated weathering of polypropylene/wood flour composites. <i>Polymer Degradation and Stability</i> , 2008 , 93, 1252-1258	4.7	58
399	The influence of viscoelastic thermal compression on the chemistry and surface energetics of wood. 2008 , 329, 82-86		27
398	Durability of wood polymer composites: Part 1. Influence of wood on the photochemical properties. 2008 , 68, 2779-2784		71

397	Influence of chemical modifications on water-sorption and mechanical properties of Agave fibres. 2008 , 39, 29-45		101
396	Natural fibers and their composites. 2008 , 1-58		18
395	TEMPO-mediated oxidation of softwood thermomechanical pulp. 2009 , 63,		72
394	Accelerated Ultraviolet Weathering of Recycled Polypropylene Sawdust Composites. 2009 , 22, 661-679		15
393	Clean conversion of cellulose into fermentable glucose. 2009 , 27, 625-32		41
392	Surface deterioration of moso bamboo (<i>Phyllostachys pubescens</i>) induced by exposure to artificial sunlight. 2009 , 55, 47-52		25
391	Influence of mechanical activation on the graft copolymerization of sugarcane bagasse and acrylic acid. <i>Polymer Degradation and Stability</i> , 2009 , 94, 1737-1745	4-7	37
390	Effect of chemical treatments on water sorption and mechanical properties of flax fibres. 2009 , 100, 4742-9		177
389	Effects of pigments on the UV degradation of wood-flour/HDPE composites. 2010 , 118, n/a-n/a		14
388	FTIR and color change of the modified wood as a result of artificial light irradiation. 2010 , 99, 144-9		101
387	Near infrared spectroscopic investigation of the thermal degradation of wood. 2010 , 507-508, 60-65		31
386	Surface characteristics of coated soft- and hardwoods due to UV-B ageing. 2010 , 256, 7504-7509		7
385	Transient modeling of combined conduction and radiation in wood fibre insulation and comparison with experimental data. 2010 , 49, 2169-2176		17
384	Characterization of fungal-degraded lime wood by X-ray diffraction and cross-polarization magic-angle-spinning ¹³ C-nuclear magnetic resonance spectroscopy. 2010 , 64, 1054-60		13
383	PHYSICO-CHEMICAL CHARACTERIZATION OF THE ACQUALADRONE ROSTRUM. 2011 , 53, 547-562		9
382	Chemical changes of beech wood due to CO ₂ laser irradiation. 2011 , 222, 105-110		17
381	Improvement of biogas production from oil palm empty fruit bunches (OPEFB). 2011 , 34, 1097-1101		109
380	Microscopic structure and properties changes of cassava stillage residue pretreated by mechanical activation. 2011 , 102, 7953-8		72

379	The combined effects of boron and oil heat treatment on beech and Scots pine wood properties. Part 1: Boron leaching, thermogravimetric analysis, and chemical composition. 2011 , 46, 598-607		22
378	Mid-IR fiber-optic reflectance spectroscopy for identifying the finish on wooden furniture. 2011 , 400, 1161-71		27
377	Carbon-13 CP/MAS solid state NMR and X-ray diffraction spectroscopy studies on lime wood decayed by <i>Chaetomium globosum</i> . 2011 , 83, 808-812		25
376	Optimization of culture conditions for bacterial cellulose production from <i>Gluconacetobacter hansenii</i> UAC09. 2011 , 61, 781-787		36
375	Stabilizations of molecular structures and mechanical properties of PVC and wood/PVC composites by Tinuvin and TiO ₂ stabilizers. 2011 , 51, 1354-1365		28
374	Efficacy of hindered amines in woodflour-polypropylene composites compatibilized with vinyltrimethoxysilane after accelerated weathering and moisture absorption. 2011 , 120, 2017-2026		8
373	Properties of bacterial cellulose produced in grape medium by native isolate <i>Gluconacetobacter</i> sp. 2011 , 120, 2835-2841		28
372	Chemical compositions, infrared spectroscopy, and X-ray diffractometry study on brown-rotted woods. 2011 , 85, 560-564		24
371	Effects of thermo-hygro-mechanical densification on the surface characteristics of trembling aspen and hybrid poplar wood veneers. 2011 , 257, 3558-3564		57
370	Evaluation of morphological and chemical aspects of different wood species by spectroscopy and thermal methods. 2011 , 988, 65-72		198
369	Ultraviolet weathering of HDPE/wood-flour composites coextruded with a clear HDPE cap layer. <i>Polymer Degradation and Stability</i> , 2011 , 96, 97-106	4-7	93
368	Crystalline properties and decomposition kinetics of cellulose fibers in wood pulp obtained by two pulping processes. <i>Polymer Degradation and Stability</i> , 2011 , 96, 679-685	4-7	133
367	FTIR spectroscopy of biodegraded historical textiles. <i>Polymer Degradation and Stability</i> , 2011 , 96, 574-580	4-7	50
366	Investigation of biodeteriorated historical textiles by conventional and synchrotron radiation FTIR spectroscopy. <i>Polymer Degradation and Stability</i> , 2011 , 96, 1081-1086	4-7	14
365	Wax treatment of wood slows photodegradation. <i>Polymer Degradation and Stability</i> , 2011 , 96, 1271-1278	4-7	57
364	Monitoring Wood Degradation during Weathering by Cellulose Crystallinity. 2012 , 5, 1910-1922		159
363	Effects of thermal treatment and maleic anhydride-grafted polyethylene on the interfacial shear stress between cotton stalk and high-density polyethylene. 2012 ,		
362	Investigations of Accelerated Climate Aged Wood Substrates by Fourier Transform Infrared Material Characterization. 2012 , 2012, 1-6		3

361	Accelerated climate aging of building materials and their characterization by Fourier transform infrared radiation analysis. 2012 , 36, 99-112		26
360	Biodegradability of Banana and Plantain Cellulose Microfibrils Films in Anaerobic Conditions. 2012 , 20, 774-782		3
359	Photodegradation of thermally modified wood. 2012 , 117, 140-5		58
358	Efficient Conversion of Rice Straw to Bioethanol Using Sodium Carbonate Pretreatment. 2012 , 26, 7354-7361		53
357	Study of the degradation behavior of heat-treated jack pine (<i>Pinus banksiana</i>) under artificial sunlight irradiation. <i>Polymer Degradation and Stability</i> , 2012 , 97, 1197-1214	4-7	68
356	Liquefaction of Softwoods and Hardwoods in Supercritical Methanol: A Novel Approach to Bio-Oil Production. 2012 , 421-433		7
355	Nanoparticles Synthesis from Corn Cob (Xylan) and Their Potential Application as Colon-Specific Drug Carrier. 2012 , 320, 75-80		6
354	Changes in wettability of heat-treated wood due to artificial weathering. 2012 , 46, 1215-1237		43
353	Effects of ultraviolet absorbers on the ultraviolet degradation of rice-hull/high-density polyethylene composites. 2012 , 126, 906-915		12
352	Accelerated climate ageing of building materials, components and structures in the laboratory. 2012 , 47, 6475-6496		84
351	Effects of surface treatment of ramie fibers in a ramie/poly(lactic acid) composite. 2012 , 13, 217-223		71
350	Synthesis and characterization of methylcellulose/PVA based porous composite. 2012 , 88, 1364-1372		76
349	A study of surface changes of wood-polypropylene composites as the result of exterior weathering. <i>Polymer Degradation and Stability</i> , 2012 , 97, 337-345	4-7	88
348	Quantitative characterization of chemical degradation of heat-treated wood surfaces during artificial weathering using XPS. 2013 , 45, 639-649		54
347	Improvement of saccharification and ethanol production from rice straw by NMMO and [BMIM][OAc] pretreatments. 2013 , 41, 408-413		102
346	Optimization of Reaction Conditions for Preparing Carboxymethyl Cellulose from Corn Cob Agricultural Waste. 2013 , 4, 129-137		30
345	Synergistic Effect of Nano-TiO ₂ and Nanoclay on the Ultraviolet Degradation and Physical Properties of Wood Polymer Nanocomposites. 2013 , 52, 13536-13546		19
344	Characterization of Cellulose regenerated from solutions of pine and eucalyptus woods in 1-allyl-3-methylimidazolium chloride. 2013 , 92, 1946-52		30

343	Weathering performance of spruce coated with water based acrylic paint modified with TiO ₂ and clay nanoparticles. 2013 , 76, 1543-1548	26
342	Plasma Deposition of ZnO Thin Film on Sugar Maple: The Effect on Contact Angle. 2013 , 311-328	
341	Catalytic Investigation of in Situ Generated Ni Metal Nanoparticles for Tar Conversion during Biomass Pyrolysis. 2013 , 117, 23812-23831	81
340	Polypropylene-based composites reinforced by toluene diisocyanate modified wood. 2013 , 47, 3451-3464	9
339	Enhanced biodegradation resistance of biomodified jute fibers. 2013 , 93, 597-603	10
338	Physico-chemical properties investigation of softwood surface after treatment with organic anhydride. 2013 , 11, 2098-2106	7
337	Effect of surface treatment of ramie fiber on the interfacial adhesion of ramie/acetylated epoxidized soybean oil (AESO) green composite. 2013 , 27, 1335-1347	26
336	Effect of thermal treatment on physicochemical properties of Gympie messmate wood. 2013 , 45, 360-366	59
335	Sugar cane plant fibres: Separation and characterisation. 2013 , 47, 1-12	38
334	Ultra-structural mapping of sugarcane bagasse after oxalic acid fiber expansion (OAFEX) and ethanol production by <i>Candida shehatae</i> and <i>Saccharomyces cerevisiae</i> . 2013 , 6, 4	43
333	Catalytic hydrolysis of cellulose to reducing sugar over acid-activated montmorillonite catalysts. 2013 , 74, 147-153	44
332	Green Jute-Based Cross-Linked Soy Flour Nanocomposites Reinforced with Cellulose Whiskers and Nanoclay. 2013 , 52, 6969-6983	44
331	Improvement of biogas production from pine wood by alkali pretreatment. 2013 , 106, 484-489	119
330	Poplar wood-methylolurea composites prepared by in situ polymerization. 2013 , 130, 933-938	5
329	Processing of unidirectional hemp fiber reinforced composites with micro-braiding technique. 2013 , 46, 173-179	33
328	Structural analysis of heat-treated birch (<i>Betula papyrifera</i>) surface during artificial weathering. 2013 , 264, 117-127	52
327	An investigation of thermochemical changes in Canadian hardwood species during wood welding. 2013 , 71, 245-257	13
326	Dissolution of <i>Pinus radiata</i> and <i>Eucalyptus Globulus</i> Woods in 1-Allyl-3-methylimidazolium Chloride for Cellulose or Lignin Regeneration. 2013 , 52, 3628-3636	14

325	Alkali Pretreatment for Improvement of Biogas and Ethanol Production from Different Waste Parts of Pine Tree. 2013 , 52, 972-978	56
324	Surface properties of tannin treated wood during natural and artificial weathering. 2013 , 4, 150-157	19
323	Natural weathering studies of oil palm trunk lumber (OPTL) green polymer composites enhanced with oil palm shell (OPS) nanoparticles. 2013 , 2, 592	8
322	Surface Investigation of Photo-Degraded Wood by Colour Monitoring, Infrared Spectroscopy, and Hyperspectral Imaging. 2013 , 2013, 1-13	38
321	Colour and chemical changes on photodegraded beech wood with or without red heartwood. 2014 , 48, 1167-1180	22
320	Effect of photodegradation of lignocellulosic fibers transesterified with vegetable oil. 2014 , 15, 2345-2354	5
319	Enhanced ethanol and biogas production from pinewood by NMMO pretreatment and detailed biomass analysis. 2014 , 2014, 469378	13
318	Properties of rice husk-HDPE composites after exposure to thermo-treatment. 2014 , 35, 2180-2186	11
317	Study on biodegradation process of lignin by FTIR and DSC. 2014 , 21, 14004-13	63
316	Host responses and metabolic profiles of wood components in Dutch elm hybrids with a contrasting tolerance to Dutch elm disease. 2014 , 114, 47-59	8
315	Effect of Chemical Treatment on the Mechanical and Physical Properties of Wood Saw Dust Particles Reinforced Polymer Matrix Composites. 2014 , 90, 39-45	12
314	Effect of Ionic Liquid Pretreatment on the Structure and Enzymatic Saccharification of Cassava Stillage Residues. 2014 , 884-885, 59-63	1
313	Properties of wood-plastic composites (WPCs) reinforced with extracted and delignified wood flour. 2014 , 68, 933-940	6
312	Improving biogas production from wheat plant using alkaline pretreatment. 2014 , 115, 714-719	87
311	Elemental analysis, chemical composition, cellulose crystallinity, and FT-IR spectra of <i>Toona sinensis</i> wood. 2014 , 145, 175-185	32
310	Explaining the heat capacity of wood constituents by molecular vibrations. 2014 , 49, 1317-1327	12
309	Colour and chemical changes of the lime wood surface due to CO ₂ laser thermal modification. 2014 , 321, 261-267	14
308	Biodeterioration of wood from two fast-growing eucalypts exposed to field test. 2014 , 93, 210-215	8

307	Effect of ozonation on fungal resistance of bamboo and oak flooring materials. 2014 , 81, 226-233		11
306	Sequential Generation of Fermentative Hydrogen and Methane from Swine Manure with Physicochemical Characterization. 2014 , 28, 563-570		16
305	Structural changes and enhanced accessibility of natural cellulose pretreated by mechanical activation. 2014 , 71, 453-464		27
304	Multi-scale structural and chemical analysis of sugarcane bagasse in the process of sequential acid-base pretreatment and ethanol production by <i>Scheffersomyces shehatae</i> and <i>Saccharomyces cerevisiae</i> . 2014 , 7, 63		103
303	Castor plant for biodiesel, biogas, and ethanol production with a biorefinery processing perspective. 2014 , 136, 14-22		88
302	Light-induced color changes and chemical modification of treated and untreated chestnut wood surface. 2015 , 60, 131-139		17
301	Effect of thermal treatments on technological properties of wood from two <i>Eucalyptus</i> species. 2015 , 87, 471-81		14
300	Modification of rapeseed straw with organic acid anhydrides. 2015 , 49, 1369-1378		3
299	A Multi-Analytical Approach for the Evaluation of the Efficiency of the Conservation-Restoration Treatment of Moroccan Historical Manuscripts Dating to the 16th, 17th, and 18th Centuries. 2015 , 69, 920-38		13
298	Deterioration of contemporary and artificially aged cotton by selected fungal species. <i>Polymer Degradation and Stability</i> , 2015 , 113, 1-9	4-7	2
297	Modeling color and chemical changes on normal and red heart beech wood by reflectance spectrophotometry, Fourier Transform Infrared spectroscopy and hyperspectral imaging. <i>Polymer Degradation and Stability</i> , 2015 , 113, 10-21	4-7	25
296	Changes in mechanical and chemical wood properties by electron beam irradiation. 2015 , 332, 704-709		12
295	Effect of UV and water spraying on the mechanical properties of flax fabric reinforced polymer composites used for civil engineering applications. 2015 , 71, 17-25		105
294	Surface photo-discoloration and degradation of dyed wood veneer exposed to different wavelengths of artificial light. 2015 , 331, 353-361		36
293	Efficient conversion of sweet sorghum stalks to biogas and ethanol using organosolv pretreatment. 2015 , 66, 170-177		73
292	Enhanced biogas production from sunflower stalks using hydrothermal and organosolv pretreatment. 2015 , 76, 449-455		71
291	Application of cellulose/lignin hydrogel beads as novel supports for immobilizing lipase. 2015 , 119, 33-39		54
290	Comparative evaluation of steam-assisted treatments of biomass components and sweet sorghum bagasse. 2015 , 6, 87-99		1

289	An environmentally safe and nondestructive process for bleaching birch veneer with peracetic acid. 2015 , 92, 37-43	24
288	Properties of heat-treated sisal fiber/poly lactide composites. 2015 , 28, 777-790	14
287	Characterization of Miscanthus pyrolysis by DRIFTS, UV Raman spectroscopy and mass spectrometry. 2015 , 113, 402-411	22
286	In situ deposition of graphene nanosheets on wood surface by one-pot hydrothermal method for enhanced UV-resistant ability. 2015 , 347, 891-897	19
285	Synthesis of highly substituted carboxymethyl cellulose depending on cellulose particle size. 2015 , 80, 725-31	54
284	Improved conversion of rice straw to ethanol and xylitol by combination of moderate temperature ammonia pretreatment and sequential fermentation using <i>Candida tropicalis</i> . 2015 , 77, 1039-1046	43
283	Biodegradation of Chemically Modified Jute Fibers. 2015 , 12, 542-551	2
282	Cell wall components in torrefied softwood and hardwood samples. 2015 , 116, 102-113	11
281	Effects of grinding processes on anaerobic digestion of wheat straw. 2015 , 74, 450-456	40
280	Physical properties and fibrillation tendency of regenerated cellulose fiber dry jet-wet spun from high-molecular weight cotton linter Pulp/NMMO solution. 2015 , 16, 1618-1628	6
279	Biodegradation of chemically modified lignocellulosic sisal fibers: study of the mechanism for enzymatic degradation of cellulose. 2015 , 15, 185-194	5
278	FTIR spectroscopy of woods: A new approach to study the weathering of the carving face of a sculpture. 2015 , 136 Pt C, 1255-9	52
277	Changes of wood cell walls in response to hygro-mechanical steam treatment. 2015 , 115, 207-14	73
276	Conservation of Moroccan manuscript papers aged 150, 200 and 800 years. Analysis by infrared spectroscopy (ATR-FTIR), X-ray diffraction (XRD), and scanning electron microscopy energy dispersive spectrometry (SEM-EDS). 2015 , 136 Pt B, 1038-46	33
275	Influence of poly(vinyl alcohol) on cellulose photochemical stability in cryogels during UV irradiation. 2015 , 297, 20-30	8
274	Photochemical Process of Wood-Thermoplastic Composites. 2016 , 291-346	2
273	Enhanced Biogas and Biohydrogen Production from Cotton Plant Wastes Using Alkaline Pretreatment. 2016 , 30, 10484-10493	24
272	Pretreatment of Eastern White Pine (<i>Pinus strobes</i> L.) for Enzymatic Hydrolysis and Ethanol Production by Organic Electrolyte Solutions. 2016 , 4, 2822-2829	12

271	Enhanced biohydrogen and subsequent biomethane production from sugarcane bagasse using nano-titanium dioxide pretreatment. 2016 , 214, 670-678	23
270	Integrated ethanol and biogas production from pinewood. 2016 , 6, 36441-36449	18
269	Interaction of bio-coke with different coal tar pitches. 2016 , 179, 179-192	17
268	Enhanced the weatherability of bamboo fiber-based outdoor building decoration materials by rutile nano-TiO ₂ . 2016 , 114, 307-316	38
267	Influence of adhesive layer on the stability of kozo paper. 2016 , 23, 853-872	3
266	Structural analysis of lime wood biodegraded by white rot fungi through infrared and two dimensional correlation spectroscopy techniques. 2016 , 1124, 78-84	10
265	Pyrolysis of biomass in a batch fluidized bed reactor: Effect of the pyrolysis conditions and the nature of the biomass on the physicochemical properties and the reactivity of char. 2016 , 122, 511-523	59
264	Wood biomass characterization by DSC or FT-IR spectroscopy. 2016 , 126, 27-35	49
263	Industrial valorization of Quercus cerris bark: Pilot scale fractionation. 2016 , 92, 42-49	10
262	Effect of Mixed Acid Catalysis on Pretreatment and Enzymatic Digestibility of Sugar Cane Bagasse. 2016 , 30, 7310-7318	19
261	The effects of both insoluble lignin and the macromolecular traits of cellulose on the content of saccharides within solids during hydrothermal pretreatment of hybrid poplar wood. 2016 , 91, 22-31	15
260	Processing and structure-property relationships of natural rubber/wheat bran biocomposites. 2016 , 23, 3157-3175	44
259	The influence of dilute sulfuric acid pretreatment on biogas production from wheat plant. 2016 , 13, 1129-1134	35
258	Effects of ball milling on structural changes and hydrolysis of lignocellulosic biomass in liquid hot-water compressed carbon dioxide. 2016 , 33, 2134-2141	28
257	Polyvinyl alcohol-modified Pithecellobium Clypearia Benth herbal residue fiber/polypropylene composites. 2016 , 37, 915-924	52
256	Comparative study of photodegradation of six wood species after short-time UV exposure. 2016 , 50, 135-163	35
255	Waste paper as a cheap source of natural fibre to reinforce polyester resin in production of bio-composites. 2016 , 36, 441-447	8
254	Hydrothermal ageing mechanisms of unidirectional flax fabric reinforced epoxy composites. <i>Polymer Degradation and Stability</i> , 2016 , 126, 144-158	4-7 35

253	The impact of UV radiation on the change of colour and composition of the surface of lime wood treated with a CO ₂ laser. 2016 , 322-323, 60-66	13
252	Development of abamectin loaded lignocellulosic matrices for the controlled release of nematicide for crop protection. 2016 , 23, 673-687	7
251	FTIR Analysis and Optimization of Simultaneous Saccharification and Fermentation Parameters for Sustainable Production of Ethanol from Peels of Ananas cosmosus by Mucor indicus MTCC 4349. 2016 , 7, 427-438	5
250	Surface chemical composition analysis of heat-treated bamboo. 2016 , 371, 383-390	69
249	Wood degradation under UV irradiation: A lignin characterization. 2016 , 158, 184-91	88
248	Synthesis and characterization of enzymatically cross-linked feruloyl amylopectin for curcumin encapsulation. 2016 , 85, 126-32	5
247	Protection against Weathering Using Micronized Copper Quat and Heat Treatment Methods on Wood for Construction of Mountain Houses. 2016 , 28, 04016015	3
246	In vivo investigation of chemical alteration in oak wood decayed by Pleurotus ostreatus. 2016 , 108, 127-132	22
245	Application of FTIR spectroscopy to the characterization of archeological wood. 2016 , 153, 63-70	108
244	Loblolly pine pretreatment by ionic liquid-glycerol mixtures. 2016 , 6, 247-260	5
243	Anaerobic stabilized landfill leachate treatment using chemically activated sugarcane bagasse activated carbon: kinetic and equilibrium study. 2016 , 57, 3916-3927	24
242	Effect of chemical treatment on thermal properties of bagasse fiber-reinforced epoxy composite. 2017 , 24, 237-243	8
241	Measurement of three wood materials against weathering during long natural sunlight exposure. 2017 , 102, 179-185	15
240	Hydrocracking of Jatropha Oil over non-sulfided PTA-NiMo/ZSM-5 Catalyst. 2017 , 7, 41654	19
239	Mechanism of cassava tuber cell wall weakening by dilute sodium hydroxide steeping. 2017 , 228, 338-347	7
238	Fruit pomace as a source of alternative fibers and cellulose nanofiber as reinforcement agent to create molded pulp packaging boards. 2017 , 99, 48-57	20
237	Monitoring Chemical Changes on the Surface of Kenaf Fiber during Degumming Process Using Infrared Microspectroscopy. 2017 , 7, 1240	11
236	An overview on cellulose-based material in tailoring bio-hybrid nanostructured photocatalysts for water treatment and renewable energy applications. 2017 , 103, 1232-1256	95

235	Fourier transform infrared spectroscopy (FTIR) analysis of paddy straw pulp treated using deep eutectic solvent. 2017 ,	14
234	A prototype of novel agro-waste based column bed device for removal of textile dye Optilan Red. 2017 , 76, 1251-1260	5
233	Investigation of cross-linked PVA/starch biocomposites reinforced by cellulose nanofibrils isolated from aspen wood sawdust. 2017 , 24, 3323-3339	32
232	Characterization and photodegradation mechanism of three Algerian wood species. 2017 , 63, 288-294	10
231	Xylem. 2017 ,	2
230	Lignin Analysis by HPLC and FTIR. 2017 , 1544, 193-211	21
229	Enhancement of ethanol production by novel morpholinium ionic liquids. 2017 , 168, 952-962	21
228	Structure-property modification of microcrystalline cellulose film using agar and propylene glycol alginate. 2017 , 134, 45533	22
227	Potential of pyrolysis-GCMS molecular fingerprint as a proxy of Modern Age Iberian shipwreck wood preservation. 2017 , 126, 1-13	17
226	Sustainable Electrochemical Depolymerization of Lignin in Reusable Ionic Liquids. 2017 , 7, 5041	49
225	Performance properties of rigid polyurethane-polyisocyanurate/brewers spent grain foamed composites as function of isocyanate index. 2017 , 17, 427-437	15
224	An investigation of accelerated temperature-induced ageing of four wood species: colour and FTIR. 2017 , 51, 357-378	24
223	Protective behaviour monitoring on wood photo-degradation by spectroscopic techniques coupled with chemometrics. 2017 , 172, 34-42	19
222	Evaluation and Selection of Potential Biomass Sources of North-East India towards Sustainable Bioethanol Production. 2017 , 5,	3
221	Science Applied for the Investigation of Imperial Gate from Eighteenth Century Wooden Church of Nicula Monastery. 2017 , 2017, 1-7	7
220	Differentiation between pine woods according to species and growing location using FTIR-ATR. 2018 , 52, 487-504	62
219	Aging of novel membranes made of PVA and cellulose nanocrystals extracted from Egyptian rice husk manufactured by compression moulding process. 2018 , 75, 750-762	16
218	Efficient degradation of lignin in raw wood via pretreatment with heteropoly acids in Valerolactone/water. 2018 , 261, 70-75	23

217	Effect of autohydrolysis on Pinus radiata wood for hemicellulose extraction. 2018 , 194, 285-293	21
216	UV stabilization of wood by nano metal oxides dispersed in propylene glycol. 2018 , 183, 1-10	24
215	Temperature dependence of wood photodegradation. Part 2: Evaluation by Arrhenius law. 2018 , 356, 329-333	8
214	Study on the changes in surface characteristics of Populus tomentosa due to thermo-hydro-process. 2018 , 64, 264-278	9
213	Properties of an industrial extruded HDPE-WPC: The effect of the size distribution of wood flour particles. 2018 , 162, 543-552	35
212	Removal of metals from industrial wastewater and urban runoff by mineral and bio-based sorbents. 2018 , 209, 316-327	20
211	Effects of two-step post heat-treatment in palm oil on the properties of oil palm trunk particleboard. 2018 , 116, 249-258	24
210	Effects of ageing on the cell wall and its hygroscopicity of wood in ancient timber construction. 2018 , 52, 131-147	12
209	A Microscopic Study of Paper Decayed by Trichoderma harzianum and Paecilomyces variotii. 2018 , 26, 2698-2707	7
208	The impact of natural and artificial weathering on the visual, colour and structural changes of seven tropical woods. 2018 , 76, 175-190	22
207	Chemical and biology aging of novel green membranes made of PVA and wood flour fibers reinforced with nanosilica manufactured by compression molding process. 2018 , 23, 156-169	11
206	Chitosan-Based Coatings to Prevent the Decay of Populus spp. Wood Caused by Trametes Versicolor. 2018 , 8, 415	10
205	Influence of drying process on reactivity of cellulose and xylan in acetylation of willow (Salix schwerinii E. L. Wolf) kraft pulp monitored by HSQC-NMR spectroscopy. 2018 , 25, 6319-6331	4
204	Effects of heat treatment on the chemical compositions and thermal decomposition kinetics of Japanese cedar and beech wood. <i>Polymer Degradation and Stability</i> , 2018 , 158, 220-227	4-7 11
203	Aging of membranes prepared from PVA and cellulose nanocrystals by use of thermal compression. 2018 , 75, 950-964	8
202	Insights into the improvement of alkaline hydrogen peroxide (AHP) pretreatment on the enzymatic hydrolysis of corn stover: Chemical and microstructural analyses. 2018 , 265, 1-7	43
201	Cold remote plasma modification of wood: Optimization process using experimental design. 2018 , 453, 423-435	4
200	Effects of wet-pressing induced fiber hornification on hydrogen bonds of cellulose and on properties of eucalyptus paper sheets. 2018 , 72, 829-837	7

199	Effects of density and heat treatment on the physico-mechanical properties of unidirectional round bamboo stick boards (UBSBs) made of Makino bamboo (<i>Phyllostachys makinoi</i>). 2018 , 187, 406-413	19
198	Isolation and characterization of lignin from beech wood and chestnut sawdust for the preparation of lignin nanoparticles (LNPs) from wood industry side-streams. 2018 , 72, 961-972	15
197	A new analytical approach to characterize the effect of Eray sterilization on wood. 2018 , 143, 493-502	6
196	Preliminary study of Cell Wall Structure and its Mechanical Properties of C3H and HCT RNAi Transgenic Poplar Sapling. 2018 , 8, 10508	10
195	Nanofibrillated bacterial cellulose and pectin edible films added with fruit purees. 2018 , 196, 27-32	58
194	Improvement of ethanol and biogas production from sugarcane bagasse using sodium alkaline pretreatments. 2018 , 226, 329-339	37
193	Surface chemical changes analysis of UV-light irradiated Moso bamboo (Mazel). 2018 , 5, 180110	5
192	Light stabilizers added to the shell of co-extruded wood/high-density polyethylene composites to improve mechanical and anti-UV ageing properties. 2018 , 5, 180074	15
191	Diffuse Reflectance Infrared Fourier Transform (DRIFT) Spectroscopy to Assess Decomposition Dynamics of Sugarcane Straw. 2019 , 12, 909-919	3
190	Cellulose Fibers Hydrophobization via a Hybrid Chemical Modification. 2019 , 11,	29
189	Enhanced Weathering Resistance of Radiata Pine Wood by Treatment with an Aqueous Styrene/Acrylic Acid Copolymer Dispersion. 2019 , 39, 421-435	4
188	Influence of Natural Fillers on Thermal and Mechanical Properties and Surface Morphology of Cellulose Acetate-Based Biocomposites. 2019 , 2019, 1-17	7
187	FTIR Spectroscopy in Cultural Heritage Studies: Non-destructive Analysis of Chinese Handmade Papers. 2019 , 35, 586-591	1
186	A comparative study on the artificial UV and natural ageing of beeswax and Chinese wax and influence of wax finishing on the ageing of Chinese Ash (<i>Fraxinus mandshurica</i>) wood surfaces. 2019 , 201, 111607	7
185	Wetting Behavior of Alder (<i>Alnus cordata</i> (Loisel) Duby) Wood Surface: Effect of Thermo-Treatment and Alkyl Ketene Dimer (AKD). 2019 , 10, 770	2
184	Cyclic hygrothermal ageing of flax fibers bundles and unidirectional flax/epoxy composite. Are bio-based reinforced composites so sensitive?. 2019 , 141, 111730	18
183	Prediction of the color change of heat-treated wood during artificial weathering by artificial neural network. 2019 , 77, 1107-1116	10
182	INFLUENCE OF PRETREATMENTS ON CRYSTALLINITY AND ENZYMATIC HYDROLYSIS IN SUGAR CANE RESIDUES. 2019 , 36, 131-141	16

181	Structural characterization of Moroccan wooden artifacts during natural degradation progress using infrared spectroscopy (ATR-FTIR) and X-Ray diffraction (XRD). 2019 , 5, e02477	48
180	Effect of chemical treatments on properties of raffia palm (<i>Raphia farinifera</i>) fibers. 2019 , 26, 9463-9482	7
179	Surface Chemical Changes of Sugar Maple Wood Induced by Thermo-Hygro-mechanical (THM) Treatment. 2019 , 12,	5
178	Preparation of magnetic hydrogel microspheres of lignin derivate for application in water. 2019 , 685, 847-855	40
177	Mechanical behaviour of acetylated rubber wood subjected to artificial weathering. 2019 , 73, 1005-1016	5
176	Comparison on the Aging of Woods Exposed to Natural Sunlight and Artificial Xenon Light. 2019 , 11,	10
175	Antimicrobial effect and toxicity of cellulose nanofibril/silver nanoparticle nanocomposites prepared by an ultraviolet irradiation method. 2019 , 180, 212-220	18
174	Preparation of Lignin Nanoparticles from Wood Waste for Wood Surface Treatment. 2019 , 9,	37
173	Influence of Temperature on Kraft Pulping of Whole Bagasse and Depithed Bagasse. 2019 , 21, 1003-1015	6
172	Evolution of extractive composition in thermally modified Scots pine during artificial weathering. 2019 , 73, 747-755	5
171	Effective Bipyridine and Pyrazine-Based Polysulfide Dissolution Resistant Complex Framework Material Systems for High Capacity Rechargeable Lithium Sulfur Batteries. 2019 , 7, 1900141	4
170	Amorphous paracrystalline structures from native crystalline cellulose: A molecular dynamics protocol. 2019 , 491, 56-76	13
169	Effect of Hot-Pressing Temperature on Characteristics of Straw-Based Binderless Fiberboards with Pulping Effluent. 2019 , 12,	5
168	Surface characterization of wood treated with boron compounds combined with water repellents. 2019 , 44, 462-472	5
167	Tetrahydro-2-furanmethanol pretreatment of eucalyptus to enhance cellulose enzymatic hydrolysis and to produce high-quality lignin. 2019 , 280, 489-492	12
166	Xylan from Pineapple Stem Waste: a Potential Biopolymer for Colonic Targeting of Anti-inflammatory Agent Mesalamine. 2019 , 20, 112	4
165	Degradation of wood by UV light: A study by EGA-MS and Py-GC/MS with on line irradiation system. 2019 , 139, 224-232	22
164	Cellulose nanofibril/silver nanoparticle composite as an active food packaging system and its toxicity to human colon cells. 2019 , 129, 887-894	57

163	Wood Surface Changes of Heat-Treated <i>Cunninghamia lanceolata</i> Following Natural Weathering. 2019 , 10, 791	4
162	Fiber structures and properties of eucalyptus kraft pulp via different bleaching methods. 2019 , 34, 280-288	2
161	High-performance flexible and self-healable quasi-solid-state zinc-ion hybrid supercapacitor based on borax-crosslinked polyvinyl alcohol/nanocellulose hydrogel electrolyte. 2019 , 7, 26524-26532	90
160	Fabrication, physical and optical properties of functionalized cellulose based polymethylmethacrylate nanocomposites. 2019 , 1	
159	Lignin Nanoparticle-Coated Celgard Separator for High-Performance Lithium-Sulfur Batteries. 2019 , 11,	13
158	Development of a Method for Identifying Wood Species in Archaeological Materials by IR Spectroscopy. 2019 , 74, 1192-1201	3
157	Surface characterization of <i>Miscanthus giganteus</i> and Willow subjected to torrefaction. 2019 , 138, 231-241	16
156	Modification of Oil Palm Empty Fruit Bunch and Sugarcane Bagasse Biomass as Potential Reinforcement for Composites Panel and Thermal Insulation Materials. 2019 , 16, 175-188	30
155	High-pressure steam: A facile strategy for the scalable fabrication of flattened bamboo biomass. 2019 , 129, 97-104	25
154	Preparation of cellulose nanofibers by TEMPO-oxidation of bleached chemi-thermomechanical pulp for cement applications. 2019 , 203, 238-245	33
153	Effect of three tree species on UV weathering of wood flour-HDPE composites. 2020 , 31, 1071-1079	8
152	Insight of Weathering Processes Based on Monitoring Surface Characteristic of Tropical Wood Species. 2020 , 10, 877	6
151	Development of One Pot Strategy for Hyper Production and In Vivo Evaluation of Lovastatin. 2020 , 25,	0
150	The effect of particle size, temperature and residence time on the yields and reactivity of olive stones from torrefaction. 2020 , 160, 998-1011	21
149	Degradative Ability of Mushrooms Cultivated on Corn Silage Digestate. 2020 , 25,	3
148	Tree-ring chronologies, stable strontium isotopes and biochemical compounds: Towards reference datasets to provenance Iberian shipwreck timbers. 2020 , 34, 102640	6
147	Spectroscopic characterization of organic matter transformation during composting of textile solid waste using UV-visible spectroscopy, Infrared spectroscopy and X-ray diffraction (XRD). 2020 , 159, 105314	14
146	Leaching effect of water on photodegraded hardwood species monitored by IR spectroscopy. 2020 , 54, 1407-1421	7

145	A Study of the Effects of Adjacent Cu/Cu-Zn Alloy Components on Wood in Historic Architecture: IC, HPLC, and FTIR-ATR Analyses of Degraded Cu(II)/Zn(II) Impregnated Wood. 2020 , 1-14	1
144	Conversion of spent Juncao Substrate into reducing sugar using a one-step method. 2020 , 1-13	
143	Effects of two-year weather exposure on thermally modified <i>Picea abies</i> , <i>Pinus sylvestris</i> , and <i>Fraxinus excelsior</i> wood. 2020 , 50, 1160-1171	2
142	Gellan Gum Microgels as Effective Agents for a Rapid Cleaning of Paper. 2020 , 2, 2791-2801	11
141	Evaluation of solvent recyclability in fast microwave liquefaction with glycol ether of pine wood for preparation of lignocellulosic micro-fines. 2020 , 78, 821-829	0
140	Consolidation of Fir Wood by Poly(vinyl butyral--vinyl alcohol--vinyl acetate) Treatment: Study of Surface and Mechanical Characteristics. 2020 , 12,	2
139	Bacterial cellulose/cashew gum films as probiotic carriers. 2020 , 130, 109699	11
138	Superiority of Cellulose Non-Solvent Chemical Modification over Solvent-Involving Treatment: Solution for Green Chemistry (Part I). 2020 , 13,	6
137	Understanding the Formation of Heartwood in Larch Using Synchrotron Infrared Imaging Combined With Multivariate Analysis and Atomic Force Microscope Infrared Spectroscopy. 2019 , 10, 1701	8
136	A lignin-based carbon aerogel enhanced by graphene oxide and application in oil/water separation. 2020 , 278, 118376	17
135	On the rapid and non-destructive approach for wood identification using ATR-FTIR spectroscopy and chemometric methods. 2020 , 110, 103097	21
134	Characterization of Licorice Root Waste for Prospective Use as Filler in more Eco-Friendly Composite Materials. 2020 , 8, 733	5
133	Limitations of methods used for monitoring of various cellulose degradation mechanisms. 2020 , 90, 1770-1782	1
132	Structural Changes of Oak Wood Main Components Caused by Thermal Modification. 2020 , 12,	71
131	Evaluating the influence of paper characteristics on the efficacy of new poly(vinyl alcohol) based hydrogels for cleaning modern and ancient paper. 2020 , 155, 104716	5
130	Hydrochar-derived activated carbon from sugar cane bagasse employing hydrothermal carbonization and steam activation for syrup decolorization. 2020 , 1	8
129	Direct Reduction of Graphene Oxide/Nanofibrillated Cellulose Composite Film and its Electrical Conductivity Research. 2020 , 10, 3124	16
128	Drying of the Natural Fibers as A Solvent-Free Way to Improve the Cellulose-Filled Polymer Composite Performance. 2020 , 12,	10

127	Synthesis of Silver Nanoparticle Employing Corn Cob Xylan as a Reducing Agent with Anti- Activity. 2020 , 15, 965-979	14
126	Dispersion of quinacridone pigments using cellulose nanofibers promoted by CH ₂ interactions and hydrogen bonds. 2020 , 27, 3153-3165	7
125	Comparison on Reduction of VOCs Emissions from Radiata Pine (Don) between Sodium Bicarbonate and Ozone Treatments. 2020 , 25,	2
124	Molecular engineering of supramolecular precursor to modulate g-C ₃ N ₄ for boosting photocatalytic hydrogen evolution. 2020 , 164, 337-348	19
123	Biomimic-Inspired and Recyclable Nanogel for Contamination Removal from Water and the Application in Treating Bleaching Effluents. 2020 , 59, 8622-8631	4
122	High-temperature pyrolysis of biomass pellets: The effect of ash melting on the structure of the char residue. 2021 , 285, 119084	10
121	Effects of pinewood extractives on bioconversion of pinewood. 2021 , 283, 119302	3
120	Microtubule-based hierarchical porous carbon for lightweight and strong wideband microwave absorption. 2021 , 9, 1649-1656	5
119	Natural weathering of sixteen wood species: Changes on surface properties. <i>Polymer Degradation and Stability</i> , 2021 , 183, 109415	4-7 7
118	Evaluation of the Disparity Effect in the Amounts of Weathering Agents on the Archaeological Pine Wood <i>Pinus sp.</i>. 2021 , 09, 135-150	1
117	Diffuse reflectance infrared Fourier transform spectroscopy for a qualitative evaluation of plant leaf pigment extraction. 2021 , 146, 3440-3448	2
116	Multi-scale study of the integrated use of the carbohydrate fractions of sugarcane bagasse for ethanol and xylitol production. 2021 , 163, 1343-1355	13
115	Natural fibers and their composites. 2021 , 1-59	14
114	Impact of NaOH Concentration on Deweaving of Cotton Fabric in Aqueous Solutions. 2021 , 13, 2015	2
113	Colloidal Particles for Pickering Emulsion Stabilization Prepared via Antisolvent Precipitation of Lignin-Rich Cocoa Shell Extract. 2021 , 10,	1
112	Microstructure and biodegradation of long-established <i>Salix psammophila</i> sand barriers on sand dunes. 2021 , 21, 101366	3
111	Effects of Various Transition Metals on the Thermal Oxidative Stabilization of Polyacrylonitrile Nanofibers. 2021 , 31, 3368-3377	1
110	Thermal decomposition behavior of thin Makino bamboo (<i>Phyllostachys makinoi</i>) slivers under nitrogen atmosphere. 2021 , 26, 102054	3

109	Rapid Process Natural Bamboo into Outdoor Bamboo-Fiber-Reinforced Composite with High Surface Photostability. 2021 , 12, 446	3
108	Recovery and evaluation of cellulose from agroindustrial residues of corn, grape, pomegranate, strawberry-tree fruit and fava. 2021 , 8,	11
107	Surface properties of coated MDF pre-treated with atmospheric plasma and the influence of artificial weathering. 2021 , 263, 124358	3
106	Bio-oil derived from banana pseudo-stem via fast pyrolysis process. 2021 , 148, 106034	5
105	Effect of hot-pressing temperature on characteristics of alkali pretreated reed straw bio-board. 2021 , 41, 160-168	1
104	Bioinspired Living Coating System in Service: Evaluation of the Wood Protected with Biofinish during One-Year Natural Weathering. 2021 , 11, 701	1
103	Effect of Water Leaching on Photodegraded Scots Pine and Spruce Timbers Monitored by FTIR Spectroscopy. 2021 , 12, 833	1
102	Anaerobic Co-Digestion of Tannery Wastes and Untreated/Pretreated Oat Straw. 1	3
101	Effect of MgCl ₂ solution pretreatment on pubescens conversion at room temperature. 2021 , 171, 287-298	2
100	Integrating chemical and biological catalysis for simultaneous production of polyphenolics and butyric acid from waste pomegranate peels. 2021 , 778, 146095	5
99	Comparison of chemical compositions in wood and bark of Persian silk tree (<i>Albizia julibrissin</i> Durazz.). 1-12	1
98	Thermal conductivity of untreated and chemically treated poplar bark and wood. 2021 ,	2
97	Controlled Dispersion and Setting of Cellulose Nanofibril - Carboxymethyl Cellulose Pastes. 2021 , 28, 9149-9168	2
96	Advanced Characterization of Organic Matter Decaying during Composting of Industrial Waste Using Spectral Methods. 2021 , 9, 1364	2
95	Photodegradation of Unmodified and Thermally Modified Wood Due to Indoor Lighting. 2021 , 12, 1060	2
94	Hızlı ve Kolay Yöntemlerle Odunlarda Meydana Gelen Renk, FTIR ve Mikroskopik Değişimlerin Belirlenmesi. 2021 , 23, 1-1	
93	Kinetics and isotherms of lead ions removal from wastewater using modified corncob nanocomposite. 2021 , 130, 108742	3
92	Co-production of functional xylo-oligosaccharides and fermentable sugars from corn stover through fast and facile ball mill-assisted alkaline peroxide pretreatment. 2021 , 337, 125327	4

91	Dielectric properties and thermal stability of cellulose high-density polyethylene bio-based composites. 2021 , 171, 113928	8
90	Unveiling the photosensitive and magnetic properties of amorphous iron nanoparticles with its application towards decontamination of water and cancer treatment. 2021 , 15, 99-118	3
89	Hot waxing treatment improves the aging resistance of wood surface under UV radiation and water. 2021 , 161, 106468	2
88	Ultra-Structural Mapping of Sugarcane Bagasse After Oxalic Acid Fiber Expansion (OAFEX) and Ethanol Production by <i>Candida Shehatae</i> and <i>Saccharomyces Cerevisiae</i> . 2015 , 103-137	1
87	Bending Strength of Sandwich-Type Particleboard Manufactured from Giant Reed (<i>Arundo donax</i>). 2015 , 65, 292-300	2
86	Characterization of Residue and Bio-Oil Produced by Liquefaction of Loblolly Pine at Different Reaction Times. 2016 , 66, 29-36	5
85	Thermal characteristics of birch and its cellulose and hemicelluloses isolated by alkaline solution. 2020 , 74, 1099-1112	5
84	Changes in moisture exclusion efficiency and crystallinity of thermally modified wood with aging. 2019 , 12, 92-97	12
83	Multi-Scale Structural Studies of Sequential Ionic Liquids and Alkali Pretreated Corn Stover and Sugarcane Bagasse. 2018 , 08, 92-114	2
82	Possible Radiation-Induced Damage to the Molecular Structure of Wooden Artifacts Due to Micro-Computed Tomography, Handheld X-Ray Fluorescence, and X-Ray Photoelectron Spectroscopic Techniques. 2016 , 14,	2
81	Preparation of Cellulose Acetate Produced from Lignocellulosic Biomass. 2016 , 44, 241-252	4
80	Chemical Micronization of Woody Biomass using the Microwave. 2017 , 49, 150-158	2
79	Low Temperature, Atmospheric Pressure and Short Reaction Time (LAS) Pulping of Korean Mixed Oak with Glycol Ether. 2018 , 50, 44-51	0
78	Identification of Pulp Fibers in the Chronological Academic Journals using Spectroscopic Method. 2018 , 50, 61-70	0
77	Study on Improvement of Preparation Efficiency of Lignin Rich Micro-Cellulosic Fines. 2018 , 50, 114-122	1
76	Structural Investigation of UV Aged Tent Fabrics.	
75	The study of colour changes under artificial weathering of light red meranti and yellow balau wood from <i>Shorea</i> genus. 2020 , 111, 37-42	
74	Scientific Approach to Confirm the Excellence of Seokgayeoraehaengjeoksong as Korean Cultural Heritage. 2020 , 52, 73-81	0

73	Mild fractionation of poplar into reactive lignin via lignin-first strategy and its enhancement on cellulose saccharification. 2022 , 343, 126122	5
72	Biochemical response of <i>Sonneratia alba</i> Sm. branches infested by a wood boring moth (Gazi Bay, Kenya). 2021 , 16, e0259261	
71	Kinetics, thermodynamics, and combustion characteristics of <i>Poinciana</i> pods using TG/DTG/DTA techniques. 1	4
70	Chemically modified sugarcane bagasse-based biocomposites for efficient removal of acid red 1 dye: Kinetics, isotherms, thermodynamics, and desorption studies. 2021 , 132796	10
69	The effect of repeated alkali pretreatments on the morphological characteristics of cellulose from oil palm empty fruit bunch fiber-reinforced epoxy adhesive composite. 2022 , 114, 103095	0
68	Protection of wood in ancient timber construction by surface painting of waterborne siloxane-modified polyurethane against water destroy. 1-8	2
67	Surface analysis of solid products of thermal treatment of lignocellulosic biomass. 2022 , 161, 105429	0
66	Influence of UV Radiation on the Color Change of the Surface of Steamed Maple Wood with Saturated Water Steam.. 2022 , 14,	2
65	Photostability of white oak wood stained with metal salts during indoor sunlight exposure. 1	1
64	UV resistant wood coating based on zinc oxide and cerium oxide dispersed linseed oil nano-emulsion. 2022 , 30, 103177	2
63	Influence of Ageing on Abrasion Volume Loss, Density, and Structural Components of Subfossil Oak. 2022 , 12, 1814	0
62	Wood Modification for Wood Protection. 2022 , 647-663	
61	Surface modification of natural fibers through esterification treatments. 2022 , 47-65	
60	Insight into fermentable sugar recovery process from sugarcane bagasse: in silico elucidation of enzymatic hydrolysis and techno-economic assessment. 2022 , 16, 204-213	0
59	A Comparative Study of Various Pretreatment Approaches for Bio-Ethanol Production from Willow Sawdust, Using Co-Cultures and Mono-Cultures of Different Yeast Strains.. 2022 , 27,	0
58	Optical properties of transparent wood composites prepared using transverse sections of poplar wood. 2022 ,	
57	One-pot levulinic acid production from rice straw by acid hydrolysis in deep eutectic solvent. 1-13	2
56	Study on antibacterial wood coatings with soybean protein isolate nano-silver hydrosol.. 2022 , 106766	5

55	Dilute-acid pretreatment for enhancing the enzymatic saccharification of agro-residues using a <i>Botrytis ricini</i> endoglucanase.. 2022 ,	1
54	Natural Deterioration Processes of Sand Barriers in Atmospheric Exposure Section.. 2022 , 13, 850391	
53	Characterization of the UV-aging and antimicrobial resistance of cellulose / ethylene-norbornene composites.. 2022 , 289, 119459	0
52	The Influence of Nanoparticles on Fire Retardancy of Pedunculate Oak Wood.. 2021 , 11,	0
51	Physical and Chemical Changes in Hydrothermally Modified Wood. 2021 , 12, 1771	
50	Insight on the biogas generation and structural morphology of cottonseed hull under various chemical treatments during anaerobic digestion. 1-27	
49	Physicochemical transformation and enzymatic hydrolysis promotion of reed straw after pretreatment with a new deep eutectic solvent.. 2022 , 290, 119472	1
48	Image_1.tiff. 2020 ,	
47	Image_2.tif. 2020 ,	
46	Image_3.tiff. 2020 ,	
45	Image_4.tiff. 2020 ,	
44	Investigating the Antibacterial Characteristics of Japanese Bamboo. 2022 , 11, 569	2
43	Influence of electrochemically deposited TiO ₂ on the anti-weathering properties of heat-treated wood. 1-9	0
42	Enhancement of biogas production by anaerobic co-digestion of leather waste with raw and pretreated wheat straw. 2022 , 253, 124051	1
41	Ability of metallic nano-particles to provide UV protection to wood surface: a preliminary experiment.	1
40	Characterization of the incense sacrificed to the sarira of Sakyamuni from Famen Royal Temple during the ninth century in China.. 2022 , 119, e2112724119	
39	Isolation Lignin Degradation Bacteria <i>Acinetobacter</i> Sp. B213 Pretreatment Effectively Improved Hydrolysis of Corn Straw by Enhance Cellulose Retention and Reduce Lignin Degradation Inhibitor.	
38	Effect of High-Temperature Hydrothermal Treatment on the Cellulose Derived from the Buxus Plant. 2022 , 14, 2053	

- 37 Study of natural degradation effect on lignocellulose fibers of archaeological cedar wood: monitoring by Fourier Transform Infrared (FTIR) spectroscopy. **2022**, 360, 00006
- 36 Cellulose Hollow Annular Nanoparticles Prepared from High-Intensity Ultrasonic Treatment. ○
- 35 Application of image processing programs in color analysis of wood photodegradation. **2022**, 2288, 012003 1
- 34 A Primary Study on Mechanical Properties of Heat-Treated Wood via in-situ Synthesis of Calcium Carbonate. **2022**, 1-17
- 33 Effects of Pressurized Superheated Steam Treatment on Dimensional Stability and Its Mechanisms in Surface-Compressed Wood. **2022**, 13, 1230
- 32 Surface characterization of wood treated with acidic deep eutectic solvents.
- 31 Wood photosensitivity to different artificial light sources.
- 30 Study of Interactions between Titanium Dioxide Coating and Wood Cell Wall Ultrastructure. **2022**, 12, 2678 1
- 29 Treatment of wood by sulfate and hydroxyl radical oxidation produced from thermally-activated persulfate: VOC emission and wood property evaluation. 1-11
- 28 Application of hydrophobically modified cellulose from oil palm frond in Pickering emulsions stabilization. **2022**, 4, 100248 ○
- 27 Titica Vine Fiber (*Heteropsis flexuosa*): A Hidden Amazon Fiber with Potential Applications as Reinforcement in Polymer Matrix Composites. **2022**, 6, 251 ○
- 26 A newly isolated lignin degradation bacterium *Acinetobacter* sp. B213 pretreatment effectively improved hydrolysis of corn straw by enhance cellulose retention and reduce lignin degradation inhibitor. ○
- 25 Thermal Modification and Alkyl Ketene Dimer Effects on the Surface Protection of Deodar Cedar (*Cedrus deodara* Roxb.) Wood. **2022**, 13, 1551 1
- 24 RESPONSE SURFACE METHODOLOGY FOR OPTIMIZATION OF PERACETIC ACID PRETREATMENT OF PULP TO REDUCE POLLUTANTS FROM BLEACHING EFFLUENT. **2022**, 56, 827-838 ○
- 23 Biochemical and functional characterization of rice straw for alternative industrial uses. ○
- 22 Molecular and crystal structures of cellulose in severely deteriorated archaeological wood. **2022**, 29, 9549-9568 ○
- 21 Modification of wood with organic-inorganic hybrid silica sol. ○
- 20 Colour and Surface Chemistry Changes of Wood Surfaces Coated with Two Types of Waxes after Seven Years Exposure to Natural Light in Indoor Conditions. **2022**, 12, 1689 1

- 19 Acid and alkali chemical treatments on synthetic and natural cellulosic, fibroin and keratin-based fabrics: study of structural changes. 1-11 ○
- 18 Fabrication of ionic wood crosslinked by Ca²⁺ with high strength, toughness, and weather resistance. **2022**, 21, 5045-5055 ○
- 17 Influence of Irradiation Parameters on Structure and Properties of Oak Wood Surface Engraved with a CO₂ Laser. **2022**, 15, 8384 ○
- 16 The Relationship between Structural Features of Lignocellulosic Materials and Ethanol Production Yield. **2022**, 6, 119 ○
- 15 Differentiating between Natural and Modified Cellulosic Fibres Using ATR-FTIR Spectroscopy. **2022**, 5, 4114-4139 2
- 14 "UV accelerated aging of unidirectional flax composites: Comparative study between recycled and virgin polypropylene matrix. **2023**, 110268 ○
- 13 From Natural Woods to High Density Materials: An Ecofriendly Approach. **2023**, 15, 2055 ○
- 12 Role of Fe₂O₃ and ZnO nano-particles in reducing photodegradation of wood components. ○
- 11 A Century-Old Tradition and Sustainable Technique to Protect Natural Bamboo Through Smoke Treatment Advantages and Limitations. **2023**, 211-240 ○
- 10 A novel integrated biorefinery approach for apple pomace valorization with significant socioeconomic benefits. **2023**, 208, 275-286 ○
- 9 Efficient bioenergy recovery from different date palm industrial wastes. **2023**, 272, 127057 ○
- 8 Preliminary study on the strength enhancement of Klucel E with cellulose nanofibrils (CNFs) for the conservation of wooden artifacts. **2023**, 60, 41-49 ○
- 7 Impact of thermal modification on color and chemical changes of African padauk, merbau, mahogany, and iroko wood species. **2023**, 62, ○
- 6 Organic/inorganic hybrid of silica sol to promote flame retardant and mechanical properties of wood. ○
- 5 Valorization of Delonix regia Pods for Bioethanol Production. **2023**, 9, 289 ○
- 4 Removal of Dye by Adsorption on Nitric Acid Treated Sugar Bagasse Wastes, an Experimentally, Theoretically, and Computational Studies. **2022**, 96, 3232-3243 ○
- 3 A comparative assessment of biomass pretreatment methods for the sustainable industrial upscaling of rice straw into cellulose. ○
- 2 Hydrophobic modification of cellulose from oil palm waste in aqueous medium. ○

- 1 Deciphering the biochemical and functional characterization of rice straw cultivars for industrial applications. **2023**, e16339

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