



## Supplement

The following supplementary materials are available for this article: Su, S.-H. 2025 WoodProperty.tw: a wood property database for tree and bamboo species in Taiwan. *Taiwania* 70(1): 58-64. doi: 10.6165/ta.2024.70.58

**Table S1.** Academic journals and serial publications surveyed in this study.

Category	Publication title	Time coverage	Publication title in Chinese	Former publication title in Chinese
Journal	Quarterly Journal of Chinese Forestry	1955-2023	中華林學季刊	臺灣森林、臺灣林業季刊
Journal	Taiwan Timber Journal	1968-1974	木材產銷月刊	
Journal	Taiwan Forestry Journal	1974-2023	臺灣林業	
Journal	Taiwan Journal of Forest Science	1986-2023	台灣林業科學	林業試驗所研究報告季刊
Journal	Ilan University Journal of Bioresources	2004-2019	宜蘭大學生物資源學刊	
Journal	Journal of Ilan University	1989-2004	宜蘭大學學報	宜蘭農工學報、宜蘭技術學報
Journal	Forest Products Industries	1982-2021	林產工業	
Journal	Quarterly Journal of Forest Research	1979-2023	林業研究季刊	國立中興大學農學院實驗林研究報告、國立中興大學農學院實驗林森林系所研究報告、國立中興大學實驗林研究報告、國立中興大學實驗林研究彙刊
Journal	Forestry Research Newsletter	1994-2023	林業研究專訊	台灣省林業試驗所簡訊
Journal	Bulletin of National Pingtung University of Science and Technology	1958-2002	國立屏東科技大學學報	農專學報、國立屏東技術學院學報
Journal	Journal of the Experimental Forest of National Taiwan University	1952-2023	國立臺灣大學生物資源暨農學院實驗林研究報告	國立臺灣大學農學院實驗林研究報告
Journal	Memoirs of the College of Agriculture, National Taiwan University	1946-1996	國立臺灣大學農學院研究報告	
Journal	(No publication title in English)	1966-1971	森林(臺灣大學森林學會出版)	
Journal	Journal of Forestry	1972-1978	森林學報(中興大學森林學系出版)	
Journal	Chia Yi Forestry Journal	1970-1972	森林學報(嘉義農專森林學會出版)	
Journal	The Forestry Journal	1962-2001	森林學會學報(屏東科技大學森林學系出版)	
Journal	Journal of Agriculture and Forestry	1952-2023	農林學報	國立中興大學農林學報
Journal	Journal of Agriculture and Forestry, National Chiayi University	2004-2023	嘉大農林學報	
Journal	Journal of National Chiayi University	1968-2005	嘉義大學學報	嘉義農專學報、嘉義技術學院學報、嘉義學報
Journal	Taiwan Wood Industry	1962-1974	臺灣木材工業	
Journal	(No publication title in English)	1947-1971	臺灣省林業試驗所所訊	臺灣省林業試驗所通訊
Other serial publications	Technical Bulletin of the Department of Forestry of National Chung Hsing University	1950-1971	中興大學農學院森林學系研究報告	
Other serial publications	Co-operative Bulletin of Taiwan Forestry Research Institute in Co-operation with the Joint Commission on Rural Reconstruction	1955-1973	臺灣省林業試驗所/中國農村復興聯合委員會合作報告	
Other serial publications	Bulletin of Taiwan Forestry Research Institute in Cooperation with Taiwan Forest Bureau	1951-1973	臺灣省林業試驗所/林務局合作試驗報告	臺灣省林業試驗所/林產管理局合作試驗報告
Other serial publications	(No publication title in English)	1974-2023	林業試驗所林業叢刊	
Other serial publications	Special Bulletin of Taiwan Forestry Research Institute	1956-1968	臺灣省林業試驗所特種研究報告	
Other serial publications	(No publication title in English)	1954-1972	臺灣省林業試驗所推廣專刊	
Other serial publications	Bulletin of Taiwan Forestry Research Institute	1947-1986	臺灣省林業試驗所報告	臺灣省林業試驗所試驗報告
Other serial publications	Research Note of Taiwan Forestry Research Institute	1985-1986	臺灣省林業試驗所試驗簡報	

**Table S2.** Metadata of the wood property data table: **A.** English version, **B.** Chinese version, and **C.** three additional statistical columns. English version**A.** English version

Field name	Category of field	Definition	Additional note	Data type	Unit
<b>dataID</b>	basic database fields	data ID	ID of each tabular data record collected from the source document, coded as a combination of "docID" and "number" attached by an underline symbol (i.e., "docID_number").	text	NA
<b>docID</b>	basic database fields	source document ID	ID of the source document, coded as a combination of the last name of the first author and the publication year. If duplicated, then suffixed with a lowercase letter (e.g., a, b, c, ..... ) to distinguish.	text	NA
<b>number</b>	basic database fields	serial number of each tabular data record in the source document	Serial number of each tabular data record in the source document. It is assigned during the data entry procedures of this database, and the serial numbers are renewed when switched to another document.	text	NA
<b>spID</b>	taxonomic information	species ID	A Species ID coded as "sp#### (serial numbers)".	text	NA
<b>taxonRemarks</b>	taxonomic information	note on taxonomy	Note on the taxonomic information of the species (taxon).	text	NA
<b>sp.source</b>	taxonomic information	species source	Indicating the sources of species (taxon): native or introduced.	text	NA
<b>vernacularName.ref</b>	taxonomic information	Chinese name used in the source document	Chinese name of the species (taxon) used in the source document.	text	NA
<b>vernacularName2.ref</b>	taxonomic information	vernacular name in Chinese described in the source document	Other vernacular names in Chinese described in the source document.	text	NA
<b>scientificName.ref</b>	taxonomic information	scientific name used in the source document	Scientific name of the species (taxon) used in the source document.	text	NA
<b>synonym.ref</b>	taxonomic information	other scientific names (synonyms) described in the source document	Other scientific names (synonyms) of the species (taxon) described in the source document.	text	NA
<b>family.ref</b>	taxonomic information	family name used in the source document	Family name of the species (taxon) used in the source document.	text	NA
<b>cfamily.ref</b>	taxonomic information	family name in Chinese used in the source document	Family name of the species (taxon) in Chinese used in the source document.	text	NA
<b>englishName.ref</b>	taxonomic information	English name described in the source document	English names of the species (taxon) described in the source document.	text	NA
<b>growth</b>	sample tree information	tree growth rate	Average number of growth rings per one-centimeter width on the cross section of sample wood.	numeric (ratio data)	ring counts/cm
<b>age</b>	sample tree information	tree age	If there are multiple data records, they are separated by semicolons. Besides, some data records contain parenthesized numbers, which represent uncertain estimates on tree age.	text	year
<b>DBH</b>	sample tree information	diameter at breast height	In Taiwan, the diameter at breast height is generally measured at 1.3-m height above the ground. If there are multiple data records, they are separated by semicolons.	text	cm
<b>H</b>	sample tree information	tree height	If there are multiple data records, they are separated by semicolons.	text	m



<b>locality</b>	sample tree information	locality where the sample trees were collected	The content of this variable principally follows the source document and keeps untranslated.	text	NA
<b>position</b>	sample tree information	position at which the wood samples were collected from the sample tree	NA	text	NA
<b>note</b>	sample tree information	note on sampling and data	NA	text	NA
<b>sapheart</b>	morphology	contrast between sapwood and heartwood	The content of this variable principally follows the source document and keeps untranslated.	text	NA
<b>ring</b>	morphology	visibility of tree (growth) rings	The content of this variable principally follows the source document and keeps untranslated.	text	NA
<b>porus</b>	morphology	porosity (pore arrangement)	The content of this variable principally follows the source document and keeps untranslated.	text	NA
<b>fiber.L</b>	morphology	fiber length	NA	numeric (ratio data)	mm
<b>fiber.Lmin</b>	morphology	fiber length: minimum	NA	numeric (ratio data)	mm
<b>fiber.Lmax</b>	morphology	fiber length: maximum	NA	numeric (ratio data)	mm
<b>fiber.W</b>	morphology	fiber width	NA	numeric (ratio data)	$\mu$ m
<b>fiber.Wmin</b>	morphology	fiber width: minimum	NA	numeric (ratio data)	$\mu$ m
<b>fiber.Wmax</b>	morphology	fiber width: maximum	NA	numeric (ratio data)	$\mu$ m
<b>fiber.LW</b>	morphology	length-to-width ratio of fibers	NA	numeric (ratio data)	dimensionless
<b>fiber.cellwall.T</b>	morphology	fiber cell wall thickness	NA	numeric (ratio data)	mm
<b>fiber.cellwall.Tmin</b>	morphology	fiber cell wall thickness: minimum	NA	numeric (ratio data)	mm
<b>fiber.cellwall.Tmax</b>	morphology	fiber cell wall thickness: maximum	NA	numeric (ratio data)	mm
<b>fiber.cellwall.T.tang</b>	morphology	fiber cell wall thickness: tangential	NA	numeric (ratio data)	mm
<b>fiber.cellwall.T.rad</b>	morphology	fiber cell wall thickness: radial	NA	numeric (ratio data)	mm
<b>fiber.cell.D.tang</b>	morphology	fiber cell diameter: tangential	NA	numeric (ratio data)	$\mu$ m
<b>fiber.cell.D.rad</b>	morphology	fiber cell diameter: radial	NA	numeric (ratio data)	$\mu$ m
<b>Runkel</b>	morphology	Runkel ratio	NA	numeric (ratio data)	dimensionless
<b>tracheid.Dmin</b>	morphology	tracheid diameter: minimum	NA	numeric (ratio data)	$\mu$ m



<b>tracheid.Dmax</b>	morphology	tracheid diameter: maximum	NA	numeric (ratio data)	μ m
<b>tracheid.L</b>	morphology	tracheid length	NA	numeric (ratio data)	mm
<b>resin.canal.min</b>	morphology	resin canal size: minimum	NA	numeric (ratio data)	μ m
<b>resin.canal.max</b>	morphology	resin canal size: maximum	NA	numeric (ratio data)	μ m
<b>vessel.D</b>	morphology	vessel diameter	NA	numeric (ratio data)	μ m
<b>vessel.Dmin</b>	morphology	vessel diameter: minimum	NA	numeric (ratio data)	μ m
<b>vessel.Dmax</b>	morphology	vessel diameter: maximum	NA	numeric (ratio data)	μ m
<b>bark</b>	morphology	percentage of bark (based on oven-dry weight)	NA	numeric (ratio data)	%
<b>latewood</b>	morphology	percentage of latewood (based on tree ring width on the cross section)	NA	numeric (ratio data)	%
<b>juvenile</b>	morphology	percentage of juvenile wood (based on cross-sectional area)	NA	numeric (ratio data)	%
<b>heartwood</b>	morphology	percentage of heartwood (based on cross-sectional area)	NA	numeric (ratio data)	%
<b>cellwall</b>	morphology	percentage of cell wall	Calculated based on the oven dry specific gravity and the true specific gravity.	numeric (ratio data)	%
<b>wsg.basic</b>	physical property	basic specific gravity (bulk density)	Calculated as oven dry weight (Wo) divided by green volume (Vg) of wood: Wo/Vg.	numeric (ratio data)	dimensionless
<b>wsg.oven</b>	physical property	oven dry specific gravity	Calculated as oven dry weight (Wo) divided by oven dry volume (Vo) of wood: Wo/Vo.	numeric (ratio data)	dimensionless
<b>wsg.air1</b>	physical property	air dry specific gravity (formula 1)	Calculated as oven dry weight (Wo) divided by air dry volume (Va) of wood: Wo/Va.	numeric (ratio data)	dimensionless
<b>wsg.air2</b>	physical property	air dry specific gravity (formula 2)	Calculated as air dry weight (Wa) divided by air dry volume (Va) of wood: Wa/Va. This formula was commonly used in wood science literature in Taiwan.	numeric (ratio data)	dimensionless
<b>wsg.green</b>	physical property	green specific gravity	Calculated as green weight (Wg) divided by green volume (Vg) of wood: Wg/Vg.	numeric (ratio data)	dimensionless
<b>wsg.true</b>	physical property	true (real) specific gravity of wood and bamboo substance	NA	numeric (ratio data)	dimensionless
<b>wsg.basic.branch</b>	physical property	basic specific gravity (bulk density) for branch wood	Calculated as oven dry weight (Wo) divided by green volume (Vg) of wood: Wo/Vg.	numeric (ratio data)	dimensionless
<b>wsg.oven.branch</b>	physical property	oven dry specific gravity for branch wood	Calculated as oven dry weight (Wo) divided by oven dry volume (Vo) of wood: Wo/Vo.	numeric (ratio data)	dimensionless
<b>wsg.air1.branch</b>	physical property	air dry specific gravity for branch wood (formula 1)	Calculated as oven dry weight (Wo) divided by air dry volume (Va) of wood: Wo/Va.	numeric (ratio data)	dimensionless



<b>wsg.green.branch</b>	physical property	green specific gravity for branch wood	Calculated as green weight (Wg) divided by green volume (Vg) of wood: $Wg/Vg$ .	numeric (ratio data)	dimensionless
<b>mc.air</b>	physical property	moisture content of air dry wood	NA	numeric (ratio data)	%
<b>mc.green</b>	physical property	moisture content of green wood	NA	numeric (ratio data)	%
<b>mc.air.branch</b>	physical property	moisture content of air dry wood for branch wood	NA	numeric (ratio data)	%
<b>mc.green.branch</b>	physical property	moisture content of green wood for branch wood	NA	numeric (ratio data)	%
<b>shrink.rad</b>	physical property	shrinkage ratio from green to oven dry states: radial	NA	numeric (ratio data)	%
<b>shrink.tang</b>	physical property	shrinkage ratio from green to oven dry states: tangential	NA	numeric (ratio data)	%
<b>shrink.vol</b>	physical property	shrinkage ratio from green to oven dry states: volumetric	NA	numeric (ratio data)	%
<b>shrink.long</b>	physical property	shrinkage ratio from green to oven dry states: longitudinal	NA	numeric (ratio data)	%
<b>shrink.air.rad</b>	physical property	shrinkage ratio from green to air dry states: radial	NA	numeric (ratio data)	%
<b>shrink.air.tang</b>	physical property	shrinkage ratio from green to air dry states: tangential	NA	numeric (ratio data)	%
<b>shrink.air.long</b>	physical property	shrinkage ratio from green to air dry states: longitudinal	NA	numeric (ratio data)	%
<b>shrink.rate.rad</b>	physical property	average shrinkage ratio from air dry to oven dry states per 1% moisture content change: radial	NA	numeric (ratio data)	%/%
<b>shrink.rate.tang</b>	physical property	average shrinkage ratio from air dry to oven dry states per 1% moisture content change: tangential	NA	numeric (ratio data)	%/%
<b>shrink.rate.long</b>	physical property	average shrinkage ratio from air dry to oven dry states per 1% moisture content change: longitudinal	NA	numeric (ratio data)	%/%
<b>shrink.rate.vol</b>	physical property	average shrinkage ratio from air dry to oven dry states per 1% moisture content change: volumetric	NA	numeric (ratio data)	%/%
<b>shrink.L</b>	physical property	shrinkage ratio of bamboos from green to oven dry states: length	NA	numeric (ratio data)	%
<b>shrink.W</b>	physical property	shrinkage ratio of bamboos from green to oven dry states: width	NA	numeric (ratio data)	%
<b>shrink.T</b>	physical property	shrinkage ratio of bamboos from green to oven dry states: thickness	NA	numeric (ratio data)	%



<b>FSP.int</b>	physical property	fiber saturation point estimated by the intersection method	NA	numeric (ratio data)	%
<b>FSP.int.rad</b>	physical property	fiber saturation point estimated by the intersection method: radial	NA	numeric (ratio data)	%
<b>FSP.int.tang</b>	physical property	fiber saturation point estimated by the intersection method: tangential	NA	numeric (ratio data)	%
<b>FSP.ext</b>	physical property	fiber saturation point estimated by the extrapolation method	NA	numeric (ratio data)	%
<b>MOE</b>	mechanical property	static bending: modulus of elasticity	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>MOE.min</b>	mechanical property	static bending: modulus of elasticity: minimum	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>MOE.max</b>	mechanical property	static bending: modulus of elasticity: maximum	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>MOE.green</b>	mechanical property	static bending: modulus of elasticity of green wood	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>MOE.rad</b>	mechanical property	static bending: modulus of elasticity: radial section	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>MOE.tang</b>	mechanical property	static bending: modulus of elasticity: tangential section	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>MOE.45deg</b>	mechanical property	static bending: modulus of elasticity: 45-degree section	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>MOR</b>	mechanical property	static bending: modulus of rupture	The "modulus of rupture" is also named as "bending strength".	numeric (ratio data)	kg/cm <sup>2</sup>
<b>MOR.min</b>	mechanical property	static bending: modulus of rupture: minimum	The "modulus of rupture" is also named as "bending strength".	numeric (ratio data)	kg/cm <sup>2</sup>
<b>MOR.max</b>	mechanical property	static bending: modulus of rupture: maximum	The "modulus of rupture" is also named as "bending strength".	numeric (ratio data)	kg/cm <sup>2</sup>
<b>MOR.green</b>	mechanical property	static bending: modulus of rupture of green wood	The "modulus of rupture" is also named as "bending strength".	numeric (ratio data)	kg/cm <sup>2</sup>
<b>MOR.rad</b>	mechanical property	static bending: modulus of rupture: radial section	The "modulus of rupture" is also named as "bending strength".	numeric (ratio data)	kg/cm <sup>2</sup>
<b>MOR.tang</b>	mechanical property	static bending: modulus of rupture: tangential section	The "modulus of rupture" is also named as "bending strength".	numeric (ratio data)	kg/cm <sup>2</sup>
<b>MOR.45deg</b>	mechanical property	static bending: modulus of rupture: 45-degree section	The "modulus of rupture" is also named as "bending strength".	numeric (ratio data)	kg/cm <sup>2</sup>
<b>fiberstr</b>	mechanical property	static bending: fiber stress at elastic limit	The "fiber stress at elastic limit" is also named as "fiber stress at proportional limit in bending".	numeric (ratio data)	kg/cm <sup>2</sup>
<b>fiberstr.green</b>	mechanical property	static bending: fiber stress at elastic limit of green wood	The "fiber stress at elastic limit" is also named as "fiber stress at proportional limit in bending".	numeric (ratio data)	kg/cm <sup>2</sup>
<b>fiberstr.rad</b>	mechanical property	static bending: fiber stress at elastic limit: radial section	The "fiber stress at elastic limit" is also named as "fiber stress at proportional limit in bending".	numeric (ratio data)	kg/cm <sup>2</sup>
<b>fiberstr.tang</b>	mechanical property	static bending: fiber stress at elastic limit: tangential section	The "fiber stress at elastic limit" is also named as "fiber stress at proportional limit in bending".	numeric (ratio data)	kg/cm <sup>2</sup>



<b>fiberstr.45deg</b>	mechanical property	static bending: fiber stress at elastic limit: 45-degree section	The "fiber stress at elastic limit" is also named as "fiber stress at proportional limit in bending".	numeric (ratio data)	kg/cm <sup>2</sup>
<b>longshear</b>	mechanical property	static bending: greatest calculated longitudinal shear	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>longshear.green</b>	mechanical property	static bending: greatest calculated longitudinal shear of green wood	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>toughness</b>	mechanical property	static bending: modulus of Janka toughness in bending	NA	numeric (ratio data)	cm/kg
<b>compr.parall</b>	mechanical property	compression strength: compression parallel to grain	The "compression parallel to grain" is also named as "crushing strength parallel to grain".	numeric (ratio data)	kg/cm <sup>2</sup>
<b>compr.parall.min</b>	mechanical property	compression strength: compression parallel to grain: minimum	The "compression parallel to grain" is also named as "crushing strength parallel to grain".	numeric (ratio data)	kg/cm <sup>2</sup>
<b>compr.parall.max</b>	mechanical property	compression strength: compression parallel to grain: maximum	The "compression parallel to grain" is also named as "crushing strength parallel to grain".	numeric (ratio data)	kg/cm <sup>2</sup>
<b>compr.parall.green</b>	mechanical property	compression strength: compression parallel to grain of green wood	The "compression parallel to grain" is also named as "crushing strength parallel to grain".	numeric (ratio data)	kg/cm <sup>2</sup>
<b>compr.str.parall</b>	mechanical property	compression strength: compression stress at proportional limit parallel to grain	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>compr.MOE.parall</b>	mechanical property	compression strength: compression modulus of elasticity parallel to grain	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>compr.perpend1</b>	mechanical property	compression strength: compression perpendicular to grain	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>compr.perpend1.rad</b>	mechanical property	compression strength: compression perpendicular to grain: radial section	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>compr.perpend1.tang</b>	mechanical property	compression strength: compression perpendicular to grain: tangential section	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>compr.perpend2</b>	mechanical property	compression strength: compression perpendicular to grain (wood sample specified as 2.5 x 2.5 x 10 cm with $\varphi = 0^\circ$ )	Some literature specified the measurement as taken with wood samples of 2.5 cm x 2.5 cm x 10 cm with $\varphi = 0^\circ$ to make a comparison of different measuring methods.	numeric (ratio data)	kg/cm <sup>2</sup>
<b>compr.perpend3</b>	mechanical property	compression strength: compression perpendicular to grain (wood sample specified as 2.5 x 2.5 x 2.5 cm with $\varphi = 0^\circ$ )	Some literature specified the measurement as taken with wood samples of 2.5 cm x 2.5 cm x 2.5 cm with $\varphi = 0^\circ$ to make a comparison of different measuring methods.	numeric (ratio data)	kg/cm <sup>2</sup>
<b>compr.perpend4</b>	mechanical property	compression strength: compression perpendicular to grain (wood sample specified as 2.5 x 2.5 x 2.5 cm with $\varphi = 90^\circ$ )	Some literature specified the measurement as taken with wood samples of 2.5 cm x 2.5 cm x 2.5 cm with $\varphi = 90^\circ$ to make a comparison of different measuring methods.	numeric (ratio data)	kg/cm <sup>2</sup>



<b>compr.perpend1.green</b>	mechanical property	compression strength: compression perpendicular to grain of green wood	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>compr.str.perpend</b>	mechanical property	compression strength: compression stress at proportional limit perpendicular to grain	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>compr.str.perpend.ang1</b>	mechanical property	compression strength: compression stress at proportional limit perpendicular to grain: perpendicular to tree rings	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>compr.str.perpend.ang2</b>	mechanical property	compression strength: compression stress at proportional limit perpendicular to grain: parallel to tree rings	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>compr.str.perpend.ang3</b>	mechanical property	compression strength: compression stress at proportional limit perpendicular to grain: 45-degree angle to tree rings	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>compr.MOE.perpend.ang1</b>	mechanical property	compression strength: compression modulus of elasticity perpendicular to grain: perpendicular to tree rings	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>compr.MOE.perpend.ang2</b>	mechanical property	compression strength: compression modulus of elasticity perpendicular to grain: parallel to tree rings	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>compr.MOE.perpend.ang3</b>	mechanical property	compression strength: compression modulus of elasticity perpendicular to grain: 45-degree angle to tree rings	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>tens.parall</b>	mechanical property	tensile strength: tension parallel to grain	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>tens.parall.min</b>	mechanical property	tensile strength: tension parallel to grain: min	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>tens.parall.max</b>	mechanical property	tensile strength: tension parallel to grain: max	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>tens.parall.green</b>	mechanical property	tensile strength: tension parallel to grain of green wood	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>tens.MOE.parall</b>	mechanical property	tensile strength: tensile modulus of elasticity parallel to grain	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>tens.perpend</b>	mechanical property	tensile strength: tension perpendicular to grain	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>tens.perpend.green</b>	mechanical property	tensile strength: tension perpendicular to grain of green wood	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>shear</b>	mechanical property	shearing strength	The "shearing strength" is also named as "shear parallel to grain".	numeric (ratio data)	kg/cm <sup>2</sup>





<b>shear.rad</b>	mechanical property	shearing strength: radial section	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>shear.tang</b>	mechanical property	shearing strength: tangential section	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>shear.45deg</b>	mechanical property	shearing strength: 45-degree section	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>shear.green</b>	mechanical property	shearing strength of green wood	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>impact.bend1</b>	mechanical property	impact bending (toughness): energy absorbed	NA	numeric (ratio data)	cm·kg/sample
<b>impact.bend1.green</b>	mechanical property	impact bending (toughness): energy absorbed of green wood	NA	numeric (ratio data)	cm·kg/sample
<b>impact.bend2</b>	mechanical property	impact bending (toughness) (based on another measuring method): energy absorbed	NA	numeric (ratio data)	kgf·m/cm <sup>2</sup>
<b>impact.bend2.min</b>	mechanical property	impact bending (toughness) (based on another measuring method): energy absorbed: minimum	NA	numeric (ratio data)	kgf·m/cm <sup>2</sup>
<b>impact.bend2.max</b>	mechanical property	impact bending (toughness) (based on another measuring method): energy absorbed: maximum	NA	numeric (ratio data)	kgf·m/cm <sup>2</sup>
<b>cleavage</b>	mechanical property	cleavage strength	NA	numeric (ratio data)	kg/cm
<b>cleavage.rad</b>	mechanical property	cleavage strength: radial section	NA	numeric (ratio data)	kg/cm
<b>cleavage.tang</b>	mechanical property	cleavage strength: tangential section	NA	numeric (ratio data)	kg/cm
<b>cleavage.green</b>	mechanical property	cleavage strength of green wood	NA	numeric (ratio data)	kg/cm
<b>cleavage.ang1</b>	mechanical property	cleavage strength: perpendicular to tree rings	NA	numeric (ratio data)	kg/cm
<b>cleavage.ang2</b>	mechanical property	cleavage strength: parallel to tree rings	NA	numeric (ratio data)	kg/cm
<b>Brinell</b>	mechanical property	Brinell hardness	NA	numeric (ratio data)	kgf/mm <sup>2</sup>
<b>Brinell.min</b>	mechanical property	Brinell hardness: minimum	NA	numeric (ratio data)	kgf/mm <sup>2</sup>
<b>Brinell.max</b>	mechanical property	Brinell hardness: maximum	NA	numeric (ratio data)	kgf/mm <sup>2</sup>
<b>Brinell.green</b>	mechanical property	Brinell hardness of green wood	NA	numeric (ratio data)	kgf/mm <sup>2</sup>
<b>Brinell.rad</b>	mechanical property	Brinell hardness: radial section	NA	numeric (ratio data)	kgf/mm <sup>2</sup>



<b>Brinell.tang</b>	mechanical property	Brinell hardness: tangential section	NA	numeric (ratio data)	kgf/mm <sup>2</sup>
<b>Brinell.end</b>	mechanical property	Brinell hardness: end (transverse) surface	NA	numeric (ratio data)	kgf/mm <sup>2</sup>
<b>Brinell.long</b>	mechanical property	Brinell hardness: longitudinal surface	NA	numeric (ratio data)	kgf/mm <sup>2</sup>
<b>Janka.rad</b>	mechanical property	Janka hardness: radial section	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>Janka.green.rad</b>	mechanical property	Janka hardness of green wood: radial section	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>Janka.tang</b>	mechanical property	Janka hardness: tangential section	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>Janka.green.tang</b>	mechanical property	Janka hardness of green wood: tangential section	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>Janka.end</b>	mechanical property	Janka hardness: end (transverse) surface	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>Janka.green.end</b>	mechanical property	Janka hardness of green wood: end (transverse) surface	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>Janka.long</b>	mechanical property	Janka hardness: longitudinal section	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>cellulose.holo</b>	chemical property	content of holocellulose	NA	numeric (ratio data)	%
<b>cellulose.holo.min</b>	chemical property	content of holocellulose: minimum	NA	numeric (ratio data)	%
<b>cellulose.holo.max</b>	chemical property	content of holocellulose: maximum	NA	numeric (ratio data)	%
<b>cellulose.alpha</b>	chemical property	content of alpha cellulose	NA	numeric (ratio data)	%
<b>cellulose.alpha.min</b>	chemical property	content of alpha cellulose: minimum	NA	numeric (ratio data)	%
<b>cellulose.alpha.max</b>	chemical property	content of alpha cellulose: maximum	NA	numeric (ratio data)	%
<b>cellulose.betagamma</b>	chemical property	content of beta cellulose plus gamma cellulose	NA	numeric (ratio data)	%
<b>cellulose.beta</b>	chemical property	content of beta cellulose	NA	numeric (ratio data)	%
<b>cellulose.gamma</b>	chemical property	content of gamma cellulose	NA	numeric (ratio data)	%
<b>pentose</b>	chemical property	content of pentose	NA	numeric (ratio data)	%
<b>pentose.min</b>	chemical property	content of pentose: minimum	NA	numeric (ratio data)	%
<b>pentose.max</b>	chemical property	content of pentose: maximum	NA	numeric (ratio data)	%



<b>glucose</b>	chemical property	content of glucose	NA	numeric (ratio data)	%
<b>inv.sugar</b>	chemical property	content of invert sugar	NA	numeric (ratio data)	%
<b>lignin</b>	chemical property	content of lignin	NA	numeric (ratio data)	%
<b>lignin.min</b>	chemical property	content of lignin: minimum	NA	numeric (ratio data)	%
<b>lignin.max</b>	chemical property	content of lignin: maximum	NA	numeric (ratio data)	%
<b>extract.hot</b>	chemical property	content of hot water extracts	NA	numeric (ratio data)	%
<b>extract.cold</b>	chemical property	content of cold water extracts	NA	numeric (ratio data)	%
<b>extract.NaOH</b>	chemical property	content of sodium hydroxide extracts	NA	numeric (ratio data)	%
<b>extract.NaOH.min</b>	chemical property	content of sodium hydroxide extracts: minimum	NA	numeric (ratio data)	%
<b>extract.NaOH.max</b>	chemical property	content of sodium hydroxide extracts: maximum	NA	numeric (ratio data)	%
<b>extract.NaOH.AB</b>	chemical property	content of sodium hydroxide extracts after alcohol-benzene extraction	NA	numeric (ratio data)	%
<b>extract.AB</b>	chemical property	content of alcohol benzene extracts	NA	numeric (ratio data)	%
<b>extract.AB.min</b>	chemical property	content of alcohol benzene extracts: minimum	NA	numeric (ratio data)	%
<b>extract.AB.max</b>	chemical property	content of alcohol benzene extracts: maximum	NA	numeric (ratio data)	%
<b>extract.ether</b>	chemical property	content of ether extracts	NA	numeric (ratio data)	%
<b>extract.acetone</b>	chemical property	content of acetone extracts	NA	numeric (ratio data)	%
<b>ash</b>	chemical property	content of ash	NA	numeric (ratio data)	%
<b>ash.min</b>	chemical property	content of ash: minimum	NA	numeric (ratio data)	%
<b>ash.max</b>	chemical property	content of ash: maximum	NA	numeric (ratio data)	%
<b>silicate.ash</b>	chemical property	content of silicate in ash	NA	numeric (ratio data)	%
<b>iron.ash</b>	chemical property	content of iron in ash	NA	numeric (ratio data)	%
<b>sulfate.ash</b>	chemical property	content of sulfate in ash	NA	numeric (ratio data)	%



<b>P2O5.ash</b>	chemical property	content of phosphorus pentoxide (P2O5) in ash	NA	numeric (ratio data)	%
<b>lime.ash</b>	chemical property	content of lime in ash	NA	numeric (ratio data)	%
<b>BE.ash</b>	chemical property	content of bitter earth in ash	NA	numeric (ratio data)	%
<b>MnO.ash</b>	chemical property	content of manganese(II) oxide in ash	NA	numeric (ratio data)	%
<b>Na2O.ash</b>	chemical property	content of sodium oxide in ash	NA	numeric (ratio data)	%
<b>K2O.ash</b>	chemical property	content of potassium oxide in ash	NA	numeric (ratio data)	%
<b>water</b>	chemical property	content of water	NA	numeric (ratio data)	%
<b>ethoxyethane</b>	chemical property	content of ethoxyethane	NA	numeric (ratio data)	%
<b>nitrogen</b>	chemical property	nitrogen concentration	NA	numeric (ratio data)	%
<b>carbon</b>	chemical property	carbon concentration	NA	numeric (ratio data)	%
<b>pH.hot</b>	chemical property	pH value of hot water extracts	NA	numeric (ratio data)	dimensionless
<b>pH.cold</b>	chemical property	pH value of cold water extracts	NA	numeric (ratio data)	dimensionless
<b>oil</b>	chemical property	content of essential oils in a 100-g wood sample (in grams).	NA	numeric (ratio data)	g
<b>nail.transv</b>	wood processing property	nail holding power: transverse (cross) section	NA	numeric (ratio data)	kg/cm
<b>nail.tang</b>	wood processing property	nail holding power: tangential section	NA	numeric (ratio data)	kg/cm
<b>nail.rad</b>	wood processing property	nail holding power: radial section	NA	numeric (ratio data)	kg/cm
<b>screw.transv</b>	wood processing property	screw holding power: transverse (cross) section	NA	numeric (ratio data)	kg/cm
<b>screw.tang</b>	wood processing property	screw holding power: tangential section	NA	numeric (ratio data)	kg/cm
<b>screw.rad</b>	wood processing property	screw holding power: radial section	NA	numeric (ratio data)	kg/cm
<b>staple.transv</b>	wood processing property	staple holding power: transverse (cross) section	NA	numeric (ratio data)	kg/cm
<b>staple.tang</b>	wood processing property	staple holding power: tangential section	NA	numeric (ratio data)	kg/cm
<b>staple.rad</b>	wood processing property	staple holding power: radial section	NA	numeric (ratio data)	kg/cm



<b>glue.phenol</b>	wood processing property	adhesive strength with phenol formaldehyde resin glue	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>glue.urea</b>	wood processing property	adhesive strength with urea-formaldehyde resin glue	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>glue.resorc</b>	wood processing property	adhesive strength with resorcinol-formaldehyde resin glue	NA	numeric (ratio data)	kg/cm <sup>2</sup>
<b>dielC.transv</b>	electrical property	dielectric constant: transverse (cross) section	NA	numeric (ratio data)	dimensionless
<b>dielC.rad</b>	electrical property	dielectric constant: radial section	NA	numeric (ratio data)	dimensionless
<b>dielC.tang</b>	electrical property	dielectric constant: tangential section	NA	numeric (ratio data)	dimensionless
<b>dielPF.transv</b>	electrical property	dielectric power factor: transverse (cross) section	NA	numeric (ratio data)	dimensionless
<b>dielPF.rad</b>	electrical property	dielectric power factor: radial section	NA	numeric (ratio data)	dimensionless
<b>dielPF.tang</b>	electrical property	dielectric power factor: tangential section	NA	numeric (ratio data)	dimensionless
<b>resist.transv</b>	electrical property	resistivity: transverse (cross) section	NA	numeric (ratio data)	KΩ · cm
<b>resist.rad</b>	electrical property	resistivity: radial section	NA	numeric (ratio data)	KΩ · cm
<b>resist.tang</b>	electrical property	resistivity: tangential section	NA	numeric (ratio data)	KΩ · cm
<b>OI</b>	incombustibility performance	oxygen index	Minimum oxygen concentration needed to maintain flame combustion of wood under specific controlled combustion conditions (CNS 13590 method)	text	%
<b>MSD</b>	incombustibility performance	maximum smoking density	Maximum smoking density of wood under specific controlled combustion conditions	numeric (ratio data)	%
<b>SC</b>	incombustibility performance	speed of combustion	Speed of combustion of wood under specific controlled combustion conditions (CNS 8736 method)	numeric (ratio data)	mm/min
<b>decay</b>	decay resistance	decay resistance grade	Rating of wood decay resistance: extremely resistant ("極強"), very resistant ("甚強"), resistant ("強"), moderately resistant ("中庸"), slightly resistant ("弱"), and non-resistant ("甚弱"). If annotated with a number, the number represents the estimated durable time of wood (in months).	text	NA
<b>termite</b>	termite resistance	termite resistance grade	Rating of wood termite resistance: very resistant ("優良"), moderately resistant ("中等"), slightly resistant ("低劣"), and non-resistant ("最低劣").	text	NA

## B. Chinese version

Field name	Category of field in Chinese	Definition in Chinese	Additional note in Chinese
<b>dataID</b>	資料庫基本欄位	資料代碼	每一筆資料之代碼，採用"docID_number"方式編碼



<b>docID</b>	資料庫基本欄位	文獻代碼	資料來源文獻之代碼，以"第一作者姓氏羅馬拼音+文獻出版年"組成代碼；若有重覆情形，則加綴英文小寫字母以區別(例如 a, b, c)
<b>number</b>	資料庫基本欄位	資料於來源文獻之流水編號	每一筆資料於來源文獻中之流水編號。此為資料數據化過程中所附加的編號，不同文獻均重新起算其流水號
<b>spID</b>	樹種分類資訊	樹種代碼	整合所有文獻之樹種學名資訊後所建立的樹種代碼，以"sp+4碼流水號"組成代碼
<b>taxonRemarks</b>	樹種分類資訊	樹種分類資訊備註	關於樹種分類資訊之補充說明。若有未採用 TaiCOL 資料庫分類資訊的情形，會在此說明
<b>sp.source</b>	樹種分類資訊	樹種來源	區分樹種來源為原生種(native)與引入種(introduced)
<b>vernacularName.ref</b>	樹種分類資訊	樹種中文名：來源文獻	來源文獻所使用之樹種中文名
<b>vernacularName2.ref</b>	樹種分類資訊	樹種中文別名：來源文獻	來源文獻所記載之樹種中文別名(俗名)
<b>scientificName.ref</b>	樹種分類資訊	樹種學名：來源文獻	來源文獻所使用之樹種學名
<b>synonym.ref</b>	樹種分類資訊	樹種其他學名：來源文獻	來源文獻所記載之其他樹種學名(同物異名)
<b>family.ref</b>	樹種分類資訊	樹種科名：來源文獻	來源文獻所使用之樹種分類科名
<b>cfamily.ref</b>	樹種分類資訊	樹種中文科名：來源文獻	來源文獻所使用之樹種中文分類科名
<b>englishName.ref</b>	樹種分類資訊	樹種英文名：來源文獻	來源文獻所記載之樹種英文名
<b>growth</b>	取樣林木資訊	生長率	試材橫切面上平均每公分的年輪(生長輪)數目
<b>age</b>	取樣林木資訊	樹齡	若同時記載多筆資料，則以分號(;)分隔。另外有部分資料以括號標示，是因為文獻中標註此代表不甚準確之樹齡
<b>DBH</b>	取樣林木資訊	胸高直徑	通常在離地 1.3 公尺高度之處測量樹幹直徑。若同時記載多筆資料，則以分號(;)分隔
<b>H</b>	取樣林木資訊	樹高	若同時記載多筆資料，則以分號(;)分隔
<b>locality</b>	取樣林木資訊	採集地點	主要依據資料來源文獻的書寫語言來收錄，不進行翻譯
<b>position</b>	取樣林木資訊	木材樣本採取部位	NA
<b>note</b>	取樣林木資訊	取樣及資料備註	NA
<b>sapheart</b>	木材形態	邊心材區別	主要依據資料來源文獻的書寫語言來收錄，不進行翻譯
<b>ring</b>	木材形態	年輪可見度	主要依據資料來源文獻的書寫語言來收錄，不進行翻譯
<b>porus</b>	木材形態	導管分布類型	主要依據資料來源文獻的書寫語言來收錄，不進行翻譯
<b>fiber.L</b>	木材形態	纖維長度	NA
<b>fiber.Lmin</b>	木材形態	纖維長度：最小值	NA
<b>fiber.Lmax</b>	木材形態	纖維長度：最大值	NA
<b>fiber.W</b>	木材形態	纖維寬度	NA
<b>fiber.Wmin</b>	木材形態	纖維寬度：最小值	NA
<b>fiber.Wmax</b>	木材形態	纖維寬度：最大值	NA
<b>fiber.LW</b>	木材形態	纖維長寬比	NA
<b>fiber.cellwall.T</b>	木材形態	纖維細胞壁厚度	NA
<b>fiber.cellwall.Tmin</b>	木材形態	纖維細胞壁厚度：最小值	NA
<b>fiber.cellwall.Tmax</b>	木材形態	纖維細胞壁厚度：最大值	NA
<b>fiber.cellwall.T.tang</b>	木材形態	纖維細胞壁厚度：弦向	NA
<b>fiber.cellwall.T.rad</b>	木材形態	纖維細胞壁厚度：徑向	NA
<b>fiber.cell.D.tang</b>	木材形態	纖維細胞直徑：弦向	NA
<b>fiber.cell.D.rad</b>	木材形態	纖維細胞直徑：徑向	NA
<b>Runkel</b>	木材形態	藍克比	NA
<b>tracheid.Dmin</b>	木材形態	管胞直徑：最小值	NA
<b>tracheid.Dmax</b>	木材形態	管胞直徑：最大值	NA
<b>tracheid.L</b>	木材形態	管胞長度	NA
<b>resin.canal.min</b>	木材形態	樹脂溝大小：最小值	NA
<b>resin.canal.max</b>	木材形態	樹脂溝大小：最大值	NA
<b>vessel.D</b>	木材形態	導管：直徑	NA
<b>vessel.Dmin</b>	木材形態	導管：直徑：最小值	NA
<b>vessel.Dmax</b>	木材形態	導管：直徑：最大值	NA
<b>bark</b>	木材形態	樹皮比率	依據樹皮、木材的絕乾重量計算樹皮所佔比率
<b>latewood</b>	木材形態	晚材比率	依據木材橫切面上晚材寬度與年輪寬度來計算晚材所佔比率



<b>juvenile</b>	木材形態	未成熟材比率	依據木材橫切面上未成熟材之面積來計算所佔比率
<b>heartwood</b>	木材形態	心材比率	依據木材橫切面上心材之面積來計算所佔比率
<b>cellwall</b>	木材形態	細胞壁比率	依據木材測定所得之絕乾比重與木材真比重計算出單位容積中細胞壁所佔之比率
<b>wsg.basic</b>	木材基礎物理性質	基本比重	依據絕乾重量(Wo)與生材體積(Vg)計算: $Wo/Vg$ ; 又稱作"容積密度數"
<b>wsg.oven</b>	木材基礎物理性質	絕乾比重	依據絕乾重量(Wo)與絕乾體積(Vo)計算: $Wo/Vo$
<b>wsg.air1</b>	木材基礎物理性質	氣乾比重 1	依據絕乾重量(Wo)與氣乾體積(Va)計算: $Wo/Va$
<b>wsg.air2</b>	木材基礎物理性質	氣乾比重 2	依據氣乾重量(Wa)與氣乾體積(Va)計算: $Wa/Va$
<b>wsg.green</b>	木材基礎物理性質	生材比重	依據生材重量(Wg)與生材體積(Vg)計算: $Wg/Vg$
<b>wsg.true</b>	木材基礎物理性質	真比重	NA
<b>wsg.basic.branch</b>	木材基礎物理性質	基本比重: 枝梢材	依據絕乾重量(Wo)與生材體積(Vg)計算: $Wo/Vg$ ; 又稱作"容積密度數"
<b>wsg.oven.branch</b>	木材基礎物理性質	絕乾比重: 枝梢材	依據絕乾重量(Wo)與絕乾體積(Vo)計算: $Wo/Vo$
<b>wsg.air1.branch</b>	木材基礎物理性質	氣乾比重 1: 枝梢材	依據絕乾重量(Wo)與氣乾體積(Va)計算: $Wo/Va$
<b>wsg.green.branch</b>	木材基礎物理性質	生材比重: 枝梢材	依據生材重量(Wg)與生材體積(Vg)計算: $Wg/Vg$
<b>mc.air</b>	木材基礎物理性質	氣乾含水率	NA
<b>mc.green</b>	木材基礎物理性質	生材含水率	NA
<b>mc.air.branch</b>	木材基礎物理性質	氣乾含水率: 枝梢材	NA
<b>mc.green.branch</b>	木材基礎物理性質	生材含水率: 枝梢材	NA
<b>shrink.rad</b>	木材基礎物理性質	由生材至絕乾之木材收縮率: 徑向	NA
<b>shrink.tang</b>	木材基礎物理性質	由生材至絕乾之木材收縮率: 弦向	NA
<b>shrink.vol</b>	木材基礎物理性質	由生材至絕乾之木材收縮率: 體積	NA
<b>shrink.long</b>	木材基礎物理性質	由生材至絕乾之木材收縮率: 縱向	NA
<b>shrink.air.rad</b>	木材基礎物理性質	由生材至氣乾之木材收縮率: 徑向	NA
<b>shrink.air.tang</b>	木材基礎物理性質	由生材至氣乾之木材收縮率: 弦向	NA
<b>shrink.air.long</b>	木材基礎物理性質	由生材至氣乾之木材收縮率: 縱向	NA
<b>shrink.rate.rad</b>	木材基礎物理性質	由氣乾至絕乾每減少 1% 含水率時之平均木材收縮率: 徑向	NA
<b>shrink.rate.tang</b>	木材基礎物理性質	由氣乾至絕乾每減少 1% 含水率時之平均木材收縮率: 弦向	NA
<b>shrink.rate.long</b>	木材基礎物理性質	由氣乾至絕乾每減少 1% 含水率時之平均木材收縮率: 縱向	NA
<b>shrink.rate.vol</b>	木材基礎物理性質	由氣乾至絕乾每減少 1% 含水率時之平均木材收縮率: 體積	NA
<b>shrink.L</b>	木材基礎物理性質	由生材至絕乾之竹材收縮率: 竹材長度	NA
<b>shrink.W</b>	木材基礎物理性質	由生材至絕乾之竹材收縮率: 竹材寬度	NA
<b>shrink.T</b>	木材基礎物理性質	由生材至絕乾之竹材收縮率: 竹材厚度	NA
<b>FSP.int</b>	木材基礎物理性質	纖維飽和點(以交點法求算)	NA
<b>FSP.int.rad</b>	木材基礎物理性質	纖維飽和點(以交點法求算): 徑向	NA
<b>FSP.int.tang</b>	木材基礎物理性質	纖維飽和點(以交點法求算): 弦向	NA
<b>FSP.ext</b>	木材基礎物理性質	纖維飽和點(以外插法求算)	NA





MOE	木材機械(力學)性質	靜力彎曲性質：彈性係數	NA
MOE.min	木材機械(力學)性質	靜力彎曲性質：彈性係數：最小值	NA
MOE.max	木材機械(力學)性質	靜力彎曲性質：彈性係數：最大值	NA
MOE.green	木材機械(力學)性質	靜力彎曲性質：彈性係數(生材狀態測定值)	NA
MOE.rad	木材機械(力學)性質	靜力彎曲性質：彈性係數：徑切面	NA
MOE.tang	木材機械(力學)性質	靜力彎曲性質：彈性係數：弦切面	NA
MOE.45deg	木材機械(力學)性質	靜力彎曲性質：彈性係數：45度切面	NA
MOR	木材機械(力學)性質	靜力彎曲性質：破壞係數	"破壞係數"亦稱為"靜曲強度"、"抗彎強度"(bending strength)
MOR.min	木材機械(力學)性質	靜力彎曲性質：破壞係數：最小值	"破壞係數"亦稱為"靜曲強度"、"抗彎強度"(bending strength)
MOR.max	木材機械(力學)性質	靜力彎曲性質：破壞係數：最大值	"破壞係數"亦稱為"靜曲強度"、"抗彎強度"(bending strength)
MOR.green	木材機械(力學)性質	靜力彎曲性質：破壞係數(生材狀態測定值)	"破壞係數"亦稱為"靜曲強度"、"抗彎強度"(bending strength)
MOR.rad	木材機械(力學)性質	靜力彎曲性質：破壞係數：徑切面	"破壞係數"亦稱為"靜曲強度"、"抗彎強度"(bending strength)
MOR.tang	木材機械(力學)性質	靜力彎曲性質：破壞係數：弦切面	"破壞係數"亦稱為"靜曲強度"、"抗彎強度"(bending strength)
MOR.45deg	木材機械(力學)性質	靜力彎曲性質：破壞係數：45度切面	"破壞係數"亦稱為"靜曲強度"、"抗彎強度"(bending strength)
fiberstr	木材機械(力學)性質	靜力彎曲性質：彈性限界之纖維應力	"彈性限界之纖維應力"亦稱為"抗彎比例限度纖維應力"(fiber stress at proportional limit in bending)
fiberstr.green	木材機械(力學)性質	靜力彎曲性質：彈性限界之纖維應力(生材狀態測定值)	"彈性限界之纖維應力"亦稱為"抗彎比例限度纖維應力"(fiber stress at proportional limit in bending)
fiberstr.rad	木材機械(力學)性質	靜力彎曲性質：彈性限界之纖維應力：徑切面	"彈性限界之纖維應力"亦稱為"抗彎比例限度纖維應力"(fiber stress at proportional limit in bending)
fiberstr.tang	木材機械(力學)性質	靜力彎曲性質：彈性限界之纖維應力：弦切面	"彈性限界之纖維應力"亦稱為"抗彎比例限度纖維應力"(fiber stress at proportional limit in bending)
fiberstr.45deg	木材機械(力學)性質	靜力彎曲性質：彈性限界之纖維應力：45度切面	"彈性限界之纖維應力"亦稱為"抗彎比例限度纖維應力"(fiber stress at proportional limit in bending)
longshear	木材機械(力學)性質	靜力彎曲性質：最大縱向剪力	"最大縱向剪力"亦稱為"最大水平剪力"
longshear.green	木材機械(力學)性質	靜力彎曲性質：最大縱向剪力(生材狀態測定值)	"最大縱向剪力"亦稱為"最大水平剪力"
toughness	木材機械(力學)性質	靜力彎曲性質：韌性係數	NA
compr.parall	木材機械(力學)性質	壓縮性質：縱向壓縮：抗壓強度	"抗壓強度"亦稱為"縱向壓縮強度"(crushing strength parallel to grain)、"縱向壓縮破壞強度"
compr.parall.min	木材機械(力學)性質	壓縮性質：縱向壓縮：抗壓強度：最小值	"抗壓強度"亦稱為"縱向壓縮強度"(crushing strength parallel to grain)、"縱向壓縮破壞強度"
compr.parall.max	木材機械(力學)性質	壓縮性質：縱向壓縮：抗壓強度：最大值	"抗壓強度"亦稱為"縱向壓縮強度"(crushing strength parallel to grain)、"縱向壓縮破壞強度"
compr.parall.green	木材機械(力學)性質	壓縮性質：縱向壓縮：抗壓強度(生材狀態測定值)	"抗壓強度"亦稱為"縱向壓縮強度"(crushing strength parallel to grain)、"縱向壓縮破壞強度"
compr.str.parall	木材機械(力學)性質	壓縮性質：縱向壓縮：比例限度應力	NA
compr.MOE.parall	木材機械(力學)性質	壓縮性質：縱向壓縮：彈性係數	NA





<b>compr.perpend1</b>	木材機械(力學)性質	壓縮性質：橫向壓縮： 抗壓強度 1	NA
<b>compr.perpend1.rad</b>	木材機械(力學)性質	壓縮性質：橫向壓縮： 抗壓強度 1：徑切面	NA
<b>compr.perpend1.tang</b>	木材機械(力學)性質	壓縮性質：橫向壓縮： 抗壓強度 1：弦切面	NA
<b>compr.perpend2</b>	木材機械(力學)性質	壓縮性質：橫向壓縮： 抗壓強度 2	部分文獻中特別指定為"試體大小 2.5 x 2.5 x 10 cm (徑面受壓)"下測定，以和其他測定方式做比較
<b>compr.perpend3</b>	木材機械(力學)性質	壓縮性質：橫向壓縮： 抗壓強度 3	部分文獻中特別指定為"試體大小 2.5 x 2.5 x 2.5 cm (徑面受壓)"下測定，以和其他測定方式做比較
<b>compr.perpend4</b>	木材機械(力學)性質	壓縮性質：橫向壓縮： 抗壓強度 4	部分文獻中特別指定為"試體大小 2.5 x 2.5 x 2.5 cm (弦面受壓)"下測定，以和其他測定方式做比較
<b>compr.perpend1.green</b>	木材機械(力學)性質	壓縮性質：橫向壓縮： 抗壓強度(生材狀態測定值)	NA
<b>compr.str.perpend</b>	木材機械(力學)性質	壓縮性質：橫向壓縮： 比例限度應力	NA
<b>compr.str.perpend.ang1</b>	木材機械(力學)性質	壓縮性質：橫向壓縮： 比例限度應力：垂直於年輪	NA
<b>compr.str.perpend.ang2</b>	木材機械(力學)性質	壓縮性質：橫向壓縮： 比例限度應力：平行於年輪	NA
<b>compr.str.perpend.ang3</b>	木材機械(力學)性質	壓縮性質：橫向壓縮： 比例限度應力：45 度角於年輪	NA
<b>compr.MOE.perpend.ang1</b>	木材機械(力學)性質	壓縮性質：橫向壓縮： 彈性係數：垂直於年輪	NA
<b>compr.MOE.perpend.ang2</b>	木材機械(力學)性質	壓縮性質：橫向壓縮： 彈性係數：平行於年輪	NA
<b>compr.MOE.perpend.ang3</b>	木材機械(力學)性質	壓縮性質：橫向壓縮： 彈性係數：45 度角於年輪	NA
<b>tens.parall</b>	木材機械(力學)性質	引張性質：縱向引張： 抗張強度	NA
<b>tens.parall.min</b>	木材機械(力學)性質	引張性質：縱向引張： 抗張強度：最小值	NA
<b>tens.parall.max</b>	木材機械(力學)性質	引張性質：縱向引張： 抗張強度：最大值	NA
<b>tens.parall.green</b>	木材機械(力學)性質	引張性質：縱向引張： 抗張強度(生材狀態測定值)	NA
<b>tens.MOE.parall</b>	木材機械(力學)性質	引張性質：縱向引張： 彈性係數	NA
<b>tens.perpend</b>	木材機械(力學)性質	引張性質：橫向抗張強度	NA
<b>tens.perpend.green</b>	木材機械(力學)性質	引張性質：橫向抗張強度(生材狀態測定值)	NA
<b>shear</b>	木材機械(力學)性質	剪斷強度	"剪斷強度"亦稱為"抗剪強度"、"縱向剪力"(shear parallel to grain)
<b>shear.rad</b>	木材機械(力學)性質	剪斷強度：徑切面	NA
<b>shear.tang</b>	木材機械(力學)性質	剪斷強度：弦切面	NA
<b>shear.45deg</b>	木材機械(力學)性質	剪斷強度：45 度切面	NA
<b>shear.green</b>	木材機械(力學)性質	剪斷強度(生材狀態測定值)	NA
<b>impact.bend1</b>	木材機械(力學)性質	衝擊彎曲性質(韌性)：吸收之能量 1	亦稱為"衝擊彎曲功"或"衝擊彎曲強度"
<b>impact.bend1.green</b>	木材機械(力學)性質	衝擊彎曲性質(韌性)：吸收之能量 1(生材狀態測定值)	亦稱為"衝擊彎曲功"或"衝擊彎曲強度"



<b>impact.bend2</b>	木材機械(力學)性質	衝擊彎曲性質(韌性): 吸收之能量 2	此為部分文獻所採用之另一種測定方式
<b>impact.bend2.min</b>	木材機械(力學)性質	衝擊彎曲性質(韌性): 吸收之能量 2: 最小值	此為部分文獻所採用之另一種測定方式
<b>impact.bend2.max</b>	木材機械(力學)性質	衝擊彎曲性質(韌性): 吸收之能量 2: 最大值	此為部分文獻所採用之另一種測定方式
<b>cleavage</b>	木材機械(力學)性質	劈裂強度	NA
<b>cleavage.rad</b>	木材機械(力學)性質	劈裂強度: 徑切面	NA
<b>cleavage.tang</b>	木材機械(力學)性質	劈裂強度: 弦切面	NA
<b>cleavage.green</b>	木材機械(力學)性質	劈裂強度(生材狀態測定值)	NA
<b>cleavage.ang1</b>	木材機械(力學)性質	劈裂強度: 垂直於年輪	NA
<b>cleavage.ang2</b>	木材機械(力學)性質	劈裂強度: 平行於年輪	NA
<b>Brinell</b>	木材機械(力學)性質	勃令式硬度	NA
<b>Brinell.min</b>	木材機械(力學)性質	勃令式硬度: 最小值	NA
<b>Brinell.max</b>	木材機械(力學)性質	勃令式硬度: 最大值	NA
<b>Brinell.green</b>	木材機械(力學)性質	勃令式硬度(生材狀態測定值)	NA
<b>Brinell.rad</b>	木材機械(力學)性質	勃令式硬度: 徑切面	NA
<b>Brinell.tang</b>	木材機械(力學)性質	勃令式硬度: 弦切面	NA
<b>Brinell.end</b>	木材機械(力學)性質	勃令式硬度: 端面	NA
<b>Brinell.long</b>	木材機械(力學)性質	勃令式硬度: 縱切面	NA
<b>Janka.rad</b>	木材機械(力學)性質	詹卡硬度: 徑切面	NA
<b>Janka.green.rad</b>	木材機械(力學)性質	詹卡硬度(生材狀態測定值): 徑切面	NA
<b>Janka.tang</b>	木材機械(力學)性質	詹卡硬度: 弦切面	NA
<b>Janka.green.tang</b>	木材機械(力學)性質	詹卡硬度(生材狀態測定值): 弦切面	NA
<b>Janka.end</b>	木材機械(力學)性質	詹卡硬度: 端面	NA
<b>Janka.green.end</b>	木材機械(力學)性質	詹卡硬度(生材狀態測定值): 端面	NA
<b>Janka.long</b>	木材機械(力學)性質	詹卡硬度: 縱切面	NA
<b>cellulose.holo</b>	木材化學性質	全纖維素比例	NA
<b>cellulose.holo.min</b>	木材化學性質	全纖維素比例: 最小值	NA
<b>cellulose.holo.max</b>	木材化學性質	全纖維素比例: 最大值	NA
<b>cellulose.alpha</b>	木材化學性質	$\alpha$ 纖維素比例	NA
<b>cellulose.alpha.min</b>	木材化學性質	$\alpha$ 纖維素比例: 最小值	NA
<b>cellulose.alpha.max</b>	木材化學性質	$\alpha$ 纖維素比例: 最大值	NA
<b>cellulose.betagamma</b>	木材化學性質	$\beta + \gamma$ 纖維素比例	NA
<b>cellulose.beta</b>	木材化學性質	$\beta$ 纖維素比例	NA
<b>cellulose.gamma</b>	木材化學性質	$\gamma$ 纖維素比例	NA
<b>pentose</b>	木材化學性質	戊糖比例	NA
<b>pentose.min</b>	木材化學性質	戊糖比例: 最小值	NA
<b>pentose.max</b>	木材化學性質	戊糖比例: 最大值	NA
<b>glucose</b>	木材化學性質	葡萄糖比例	NA
<b>inv.sugar</b>	木材化學性質	轉化糖比例	NA
<b>lignin</b>	木材化學性質	木質素比例	NA
<b>lignin.min</b>	木材化學性質	木質素比例: 最小值	NA
<b>lignin.max</b>	木材化學性質	木質素比例: 最大值	NA
<b>extract.hot</b>	木材化學性質	熱水抽出物比例	NA
<b>extract.cold</b>	木材化學性質	冷水抽出物比例	NA
<b>extract.NaOH</b>	木材化學性質	1%NaOH 溶液抽出物比例	NA
<b>extract.NaOH.min</b>	木材化學性質	1%NaOH 溶液抽出物比例: 最小值	NA
<b>extract.NaOH.max</b>	木材化學性質	1%NaOH 溶液抽出物比例: 最大值	NA
<b>extract.NaOH.AB</b>	木材化學性質	1%NaOH 溶液抽出物比例(經醇苯處理後)	NA
<b>extract.AB</b>	木材化學性質	醇苯抽出物比例	NA



<b>extract.AB.min</b>	木材化學性質	醇苯抽出物比例：最小值	NA
<b>extract.AB.max</b>	木材化學性質	醇苯抽出物比例：最大值	NA
<b>extract.ether</b>	木材化學性質	乙醚抽出物比例	NA
<b>extract.acetone</b>	木材化學性質	丙酮抽出物比例	NA
<b>ash</b>	木材化學性質	灰分比例	NA
<b>ash.min</b>	木材化學性質	灰分比例：最小值	NA
<b>ash.max</b>	木材化學性質	灰分比例：最大值	NA
<b>silicate.ash</b>	木材化學性質	灰分細部成分比例：矽酸鹽	NA
<b>iron.ash</b>	木材化學性質	灰分細部成分比例：鐵分	NA
<b>sulfate.ash</b>	木材化學性質	灰分細部成分比例：硫酸鹽	NA
<b>P2O5.ash</b>	木材化學性質	灰分細部成分比例：五氧化二磷	NA
<b>lime.ash</b>	木材化學性質	灰分細部成分比例：石灰	NA
<b>BE.ash</b>	木材化學性質	灰分細部成分比例：苦土	NA
<b>MnO.ash</b>	木材化學性質	灰分細部成分比例：一氧化錳	NA
<b>Na2O.ash</b>	木材化學性質	灰分細部成分比例：氧化鈉	NA
<b>K2O.ash</b>	木材化學性質	灰分細部成分比例：氧化鉀	NA
<b>water</b>	木材化學性質	水分比例	NA
<b>ethoxyethane</b>	木材化學性質	乙醚比例	NA
<b>nitrogen</b>	木材化學性質	氮濃度	NA
<b>carbon</b>	木材化學性質	碳濃度	NA
<b>pH.hot</b>	木材化學性質	熱水抽出物之 pH 值	NA
<b>pH.cold</b>	木材化學性質	冷水抽出物之 pH 值	NA
<b>oil</b>	木材化學性質	精油含量(每 100 公克樣品中的精油量)	NA
<b>nail.transv</b>	木材加工性質	鐵釘之釘著力：橫切面	NA
<b>nail.tang</b>	木材加工性質	鐵釘之釘著力：弦切面	NA
<b>nail.rad</b>	木材加工性質	鐵釘之釘著力：徑切面	NA
<b>screw.transv</b>	木材加工性質	螺絲釘之釘著力：橫切面	NA
<b>screw.tang</b>	木材加工性質	螺絲釘之釘著力：弦切面	NA
<b>screw.rad</b>	木材加工性質	螺絲釘之釘著力：徑切面	NA
<b>staple.transv</b>	木材加工性質	訂箱釘之釘著力：橫切面	NA
<b>staple.tang</b>	木材加工性質	訂箱釘之釘著力：弦切面	NA
<b>staple.rad</b>	木材加工性質	訂箱釘之釘著力：徑切面	NA
<b>glue.phenol</b>	木材加工性質	膠著力：酚膠	NA
<b>glue.urea</b>	木材加工性質	膠著力：尿素膠	NA
<b>glue.resorc</b>	木材加工性質	膠著力：雷鎖辛膠(間苯二酚膠)	NA
<b>dielC.transv</b>	木材對電性質	(比)誘電率：橫切面	NA
<b>dielC.rad</b>	木材對電性質	(比)誘電率：徑切面	NA
<b>dielC.tang</b>	木材對電性質	(比)誘電率：弦切面	NA
<b>dielPF.transv</b>	木材對電性質	誘電體力率：橫切面	NA
<b>dielPF.rad</b>	木材對電性質	誘電體力率：徑切面	NA
<b>dielPF.tang</b>	木材對電性質	誘電體力率：弦切面	NA



<b>resist.transv</b>	木材對電性質	電阻係數：橫切面	NA
<b>resist.rad</b>	木材對電性質	電阻係數：徑切面	NA
<b>resist.tang</b>	木材對電性質	電阻係數：弦切面	NA
<b>OI</b>	木材耐燃性質	氧氣指數	木材在控制條件下恰能維持發焰燃燒所需之最低氧氣濃度 (CNS 13590 試驗法)
<b>MSD</b>	木材耐燃性質	最大煙密度	木材在控制條件下燃燒時之最大煙密度
<b>SC</b>	木材耐燃性質	燃燒速度	木材在控制條件下 (CNS 8736 試驗法) 之燃燒速度
<b>decay</b>	木材耐腐性質	木材耐腐性質	木材耐腐性質分級。若有註記數字者，表示對其耐腐期之評估(月數)
<b>termite</b>	木材抗白蟻性質	木材抗白蟻性質	木材抗白蟻性質分級

## C. three additional statistical columns

Field name	Number of data records	Number of species included	Number of source documents included
dataID	5762	607	156
docID	5762	607	156
number	5762	607	156
spID	5762	607	156
taxonRemarks	23	15	13
sp.source	5762	607	156
vernacularName.ref	5687	607	155
vernacularName2.ref	761	211	36
scientificName.ref	5415	606	145
synonym.ref	54	47	6
family.ref	960	287	20
cfamily.ref	1221	461	19
englishName.ref	1891	242	44
growth	294	109	24
age	1686	147	46
DBH	1636	273	44
H	991	152	28
locality	2948	464	102
position	1973	100	54
note	246	61	24
sapheart	833	295	31
ring	1013	340	41
porus	853	333	33
fiber.L	888	261	21
fiber.Lmin	541	239	13
fiber.Lmax	541	239	13
fiber.W	888	261	21
fiber.Wmin	541	239	13
fiber.Wmax	541	239	13
fiber.LW	698	242	18
fiber.cellwall.T	218	215	1
fiber.cellwall.Tmin	218	215	1
fiber.cellwall.Tmax	218	215	1
fiber.cellwall.T.tang	85	44	1
fiber.cellwall.T.rad	85	44	1
fiber.cell.D.tang	85	44	1
fiber.cell.D.rad	85	44	1
Runkel	132	44	1
tracheid.Dmin	15	15	1
tracheid.Dmax	15	15	1
tracheid.L	81	9	1
resin.canal.min	6	6	1
resin.canal.max	6	6	1
vessel.D	5	5	1
vessel.Dmin	59	59	1
vessel.Dmax	58	58	1
bark	20	10	3
latewood	81	9	1
juvenile	45	9	1
heartwood	55	7	2
cellwall	81	9	1
wsg.basic	913	142	48



wsg.oven	1562	433	53
wsg.air1	706	132	22
wsg.air2	1171	421	22
wsg.green	109	48	8
wsg.true	54	54	2
wsg.basic.branch	10	10	3
wsg.oven.branch	22	21	2
wsg.air1.branch	18	18	1
wsg.green.branch	4	4	1
mc.air	1319	426	45
mc.green	381	129	31
mc.air.branch	18	18	1
mc.green.branch	25	23	3
shrink.rad	729	116	35
shrink.tang	729	116	35
shrink.vol	534	112	26
shrink.long	130	29	6
shrink.air.rad	116	15	5
shrink.air.tang	116	15	5
shrink.air.long	97	12	4
shrink.rate.rad	220	81	11
shrink.rate.tang	220	81	11
shrink.rate.long	90	11	4
shrink.rate.vol	85	64	5
shrink.L	5	5	1
shrink.W	5	5	1
shrink.T	4	4	1
FSP.int	110	15	5
FSP.int.rad	8	8	1
FSP.int.tang	8	8	1
FSP.ext	110	15	5
MOE	1018	138	53
MOE.min	3	3	1
MOE.max	3	3	1
MOE.green	174	97	16
MOE.rad	20	11	4
MOE.tang	20	11	4
MOE.45deg	20	11	4
MOR	1058	139	57
MOR.min	9	9	2
MOR.max	9	9	2
MOR.green	174	97	16
MOR.rad	20	11	4
MOR.tang	20	11	4
MOR.45deg	20	11	4
fiberstr	386	124	31
fiberstr.green	174	97	16
fiberstr.rad	20	11	4
fiberstr.tang	20	11	4
fiberstr.45deg	20	11	4
longshear	310	122	24
longshear.green	174	97	16
toughness	50	18	2
compr.parall	1050	137	53
compr.parall.min	9	9	1
compr.parall.max	9	9	1
compr.parall.green	174	97	16
compr.str.parall	93	26	6
compr.MOE.parall	93	26	6
compr.perpend1	437	105	23
compr.perpend1.rad	5	5	1
compr.perpend1.tang	5	5	1
compr.perpend2	84	64	5
compr.perpend3	84	64	5
compr.perpend4	83	64	5
compr.perpend1.green	174	97	16



compr.str.perpend	6	6	1
compr.str.perpend.ang1	22	12	4
compr.str.perpend.ang2	22	12	4
compr.str.perpend.ang3	21	12	4
compr.MOE.perpend.ang1	22	12	4
compr.MOE.perpend.ang2	22	12	4
compr.MOE.perpend.ang3	21	12	4
tens.parall	412	97	24
tens.parall.min	6	3	1
tens.parall.max	6	3	1
tens.parall.green	110	68	10
tens.MOE.parall	3	3	1
tens.perpend	410	93	21
tens.perpend.green	162	91	15
shear	745	107	37
shear.rad	29	12	6
shear.tang	62	12	7
shear.45deg	21	12	4
shear.green	162	91	15
impact.bend1	339	107	22
impact.bend1.green	110	68	10
impact.bend2	100	37	12
impact.bend2.min	6	6	1
impact.bend2.max	6	6	1
cleavage	411	101	23
cleavage.rad	93	66	7
cleavage.tang	93	66	7
cleavage.green	174	97	16
cleavage.ang1	22	22	1
cleavage.ang2	21	21	1
Brinell	913	402	25
Brinell.min	392	376	1
Brinell.max	392	376	1
Brinell.green	169	95	15
Brinell.rad	76	16	10
Brinell.tang	64	13	9
Brinell.end	104	30	12
Brinell.long	44	27	4
Janka.rad	94	68	7
Janka.green.rad	5	5	1
Janka.tang	94	68	7
Janka.green.tang	5	5	1
Janka.end	101	71	8
Janka.green.end	5	5	1
Janka.long	7	6	1
cellulose.holo	794	237	22
cellulose.holo.min	2	1	2
cellulose.holo.max	2	1	2
cellulose.alpha	743	235	20
cellulose.alpha.min	2	1	2
cellulose.alpha.max	2	1	2
cellulose.betagamma	212	87	5
cellulose.beta	16	7	1
cellulose.gamma	15	7	1
pentose	717	236	21
pentose.min	1	1	1
pentose.max	1	1	1
glucose	4	4	1
inv.sugar	4	4	1
lignin	809	237	23
lignin.min	2	1	2
lignin.max	2	1	2
extract.hot	677	232	21
extract.cold	224	73	6
extract.NaOH	769	238	23
extract.NaOH.min	1	1	1



extract.NaOH.max	1	1	1
extract.NaOH.AB	10	10	1
extract.AB	889	241	29
extract.AB.min	1	1	1
extract.AB.max	1	1	1
extract.ether	389	221	9
extract.acetone	116	115	1
ash	641	235	19
ash.min	1	1	1
ash.max	1	1	1
silicate.ash	4	4	1
iron.ash	4	4	1
sulfate.ash	4	4	1
P2O5.ash	4	4	1
lime.ash	4	4	1
BE.ash	4	4	1
MnO.ash	4	4	1
Na2O.ash	4	4	1
K2O.ash	4	4	1
water	492	227	10
ethoxyethane	39	22	3
nitrogen	4	4	1
carbon	40	28	2
pH.hot	289	168	5
pH.cold	319	168	7
oil	10	10	1
nail.transv	165	90	2
nail.tang	165	90	2
nail.rad	165	90	2
screw.transv	20	20	1
screw.tang	20	20	1
screw.rad	20	20	1
staple.transv	20	20	1
staple.tang	20	20	1
staple.rad	20	20	1
glue.phenol	12	12	1
glue.urea	12	12	1
glue.resorc	12	12	1
dielC.transv	108	15	5
dielC.rad	106	15	5
dielC.tang	106	15	5
dielPF.transv	107	15	5
dielPF.rad	106	15	5
dielPF.tang	107	15	5
resist.transv	108	15	5
resist.rad	106	15	5
resist.tang	106	15	5
OI	8	3	1
MSD	24	4	1
SC	52	4	1
decay	49	49	1
termite	33	33	3

**Table S3.** Metadata of the source literature data table: **A.** English version, and **B.** Chinese version.**A.** English version

Field name	Definition	Additional note	Data type
<b>docID</b>	source document ID	ID of the source document, coded as a combination of the last name of the first author and the publication year. If duplicated, then suffixed with a lowercase letter (e.g., a, b, c, ..... ) to distinguish.	text
<b>doc.no</b>	source document serial number	Serial number of the source document.	text
<b>doc.type.c</b>	document type in Chinese	NA	text
<b>doc.type</b>	document type	NA	text
<b>citation.c</b>	citation of the source document in Chinese	NA	text
<b>citation</b>	citation of the source document	The citation text starting with "("" means that it is translated by the author of this database because there is no English bibliographic information in the source document.	text
<b>year</b>	year of publication	NA	numeric (interval data)
<b>recordno</b>	number of tabular data records collected from the source document	NA	numeric (ratio data)
<b>doc.note</b>	note on the source document	Note on the source document.	text

**B.** Chinese version

Field name	Definition in Chinese	Additional note in Chinese
<b>docID</b>	文獻代碼	資料來源文獻之代碼，以"第一作者姓氏羅馬拼音+文獻出版年"組成代碼；若有重覆情形，則加綴英文小寫字母以區別(例如 a, b, c)
<b>doc.no</b>	文獻流水編號	資料來源文獻之流水編號
<b>doc.type.c</b>	文獻類別(中文)	NA
<b>doc.type</b>	文獻類別(英文)	NA
<b>citation.c</b>	文獻書目(中文)	NA
<b>citation</b>	文獻書目(英文)	以"("開頭者，表示該文獻並未提供英文之文獻資訊，故由筆者自行翻譯
<b>year</b>	文獻出版年度	NA
<b>recordno</b>	文獻之資料筆數	NA
<b>doc.note</b>	文獻備註	關於資料來源文獻之補充說明



**Table S4.** Metadata of the species information data table: **A.** English version, and **B.** Chinese version.**A.** English version

Field name	Definition	Additional note	Data type
<b>spID</b>	species ID	A Species ID coded as "sp#### (serial numbers)".	text
<b>family</b>	family name	Family name of the species (taxon), principally according to the TaiCOL database (2024/03/19 version).	text
<b>genus</b>	genus name	Genus name of the species (taxon), principally according to the TaiCOL database (2024/03/19 version).	text
<b>scientificName</b>	scientific name	Scientific name of the species (taxon), principally according to the TaiCOL database (2024/03/19 version).	text
<b>vernacularName</b>	Chinese name	Chinese name of the species (taxon), principally according to the TaiCOL database (2024/03/19 version).	text
<b>TaiCOL.name_id</b>	scientific name code in the TaiCOL database	The scientific name code used in the TaiCOL database (the "name_id" field in the TaiCOL database; 2024/03/19 version).	text
<b>TaiCOL.taxon_id</b>	taxon code in the TaiCOL database	The taxon code used in the TaiCOL database (the "taxon_id" field in the TaiCOL database; 2024/03/19 version).	text

**B.** Chinese version

Field name	Definition in Chinese	Additional note in Chinese
<b>spID</b>	樹種代碼	整合所有文獻之樹種學名資訊後所建立的樹種代碼，以"sp+4 碼流水號"組成代碼
<b>family</b>	樹種科名	整合後之樹種分類科名，主要依據 TaiCOL 資料庫(20240319 版本)之資訊
<b>genus</b>	樹種屬名	整合後之樹種分類屬名，主要依據 TaiCOL 資料庫(20240319 版本)之資訊
<b>scientificName</b>	樹種學名	整合後之樹種學名，主要依據 TaiCOL 資料庫(20240319 版本)之資訊
<b>vernacularName</b>	樹種中文名	整合後之樹種中文名，主要依據 TaiCOL 資料庫(20240319 版本)之資訊
<b>TaiCOL.name_id</b>	樹種的 TaiCOL 資料庫學名代碼	樹種在 TaiCOL 資料庫中的學名代碼(在 TaiCOL 資料庫的欄位名稱為 name_id ; 20240319 版本)
<b>TaiCOL.taxon_id</b>	樹種的 TaiCOL 資料庫分類群代碼	樹種在 TaiCOL 資料庫中的分類群代碼(在 TaiCOL 資料庫的欄位名稱為 taxon_id ; 20240319 版本)