



## Luigi Todaro

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### Publication Metrics

For manuscripts published from date range June 2000 - June 2023

<b>17</b>	<b>1134</b>
H-index	Sum of Times Cited
<b>62</b>	<b>0</b>
Publications	Web of Science Core Collection

For all time

<b>17</b>	<b>1149</b>
H-index	Sum of Times Cited
<b>63</b>	<b>0</b>
Publications	Web of Science Core Collection

### Publications

For manuscripts published from date range June 2000 - June 2023 (62)

Times Cited  
(All time)

Effect of thermo-vacuum modification on selected chemical, physical, and mechanical properties of Siberian larch (*Larix sibirica* L.) wood

0

Authors (10): Lo Giudice, Valentina; Antov, Petar ... Todaro, Luigi

Published: May 2023 in Wood Material Science and Engineering

DOI: 10.1080/17480272.2023.2212253

<p>A potential host and virus targeting tool against COVID-19: Chemical characterization, antiviral, cytoprotective, antioxidant, respiratory smooth muscle relaxant effects of <i>Paulownia tomentosa</i> Steud</p> <p>Authors (21): Magurano, Fabio; Micucci, Matteo ... D'Auria, Maurizio</p> <p>Published: Feb 2023 in <i>Biomedicine &amp; Pharmacotherapy</i></p> <p>DOI: 10.1016/J.BIOPHA.2022.114083</p>	0
<p>The Characteristics of Glued Tensile Shear Strength Constituted of Wood Cut by CO2 Laser</p> <p>Authors (13): Fatemeh Rezaei; Milan Gaff ... Mikl Bak</p> <p>Published: 2023 in <i>Journal of Renewable Materials</i></p> <p>DOI: 10.32604/JRM.2023.028352</p>	<div style="background-color: #444; color: white; padding: 5px; border-radius: 5px; display: inline-block;">Not indexed in the Web of Science</div>
<p>Environmentally Friendly Starch-Based Adhesives for Bonding High-Performance Wood Composites: A Review</p> <p>Authors (13): Maulana, Muhammad Iqbal; Lubis, Muhammad Adly Rahandi ... Kristak, Lubos</p> <p>Published: Oct 2022 in <i>Forests</i></p> <p>DOI: 10.3390/F13101614</p>	7
<p>Thermal Modification and Alkyl Ketene Dimer Effects on the Surface Protection of Deodar Cedar (<i>Cedrus deodara</i> Roxb.) Wood</p> <p>Authors (7): Lovaglio, Teresa; D'Auria, Maurizio ... Todaro, Luigi</p> <p>Published: Oct 2022 in <i>Forests</i></p> <p>DOI: 10.3390/F13101551</p>	2
<p>Focus on <i>Olea europaea</i> L. pruning by-products: extraction techniques, biological activity, and phytochemical profile</p> <p>Authors (6): Faraone, Immacolata; Russo, Daniela ... Milella, Luigi</p> <p>Published: Nov 2021 in <i>Biofuels, Bioproducts and Biorefining</i></p> <p>DOI: 10.1002/BBB.2283</p>	4
<p>Olive Trees By-Products as Sources of Bioactive and Other Industrially Useful Compounds: A Systematic Review</p> <p>Authors (9): Lo Giudice, Valentina; Faraone, Immacolata ... Todaro, Luigi</p> <p>Published: Aug 2021 in <i>Molecules</i></p> <p>DOI: 10.3390/MOLECULES26165081</p>	5
<p>GC-MS and SPME Techniques Highlighted Contrasting Chemical Behaviour in the Water Extractives of Modified <i>Castanea sativa</i> Mill. and <i>Fagus sylvatica</i> L. Wood</p> <p>Authors (5): Mecca, Marisabel; Todaro, Luigi ... D'Auria, Maurizio</p> <p>Published: Aug 2021 in <i>Forests</i></p> <p>DOI: 10.3390/F12080986</p>	2
<p>Thermo-modified native black poplar (<i>Populus nigra</i> L.) wood as an insulation material</p> <p>Authors (6): Todaro, Luigi; Liuzzi, Stefania ... Stefanizzi, Pietro</p> <p>Published: Jun 2021 in <i>IForest</i></p> <p>DOI: 10.3832/IFOR3710-014</p>	5

<p>Influence of thermal modification and extraction techniques on yield, antioxidant capacity and phytochemical profile of chestnut (<i>Castanea sativa</i> Mill.) wood</p> <p>Authors (7): Faraone, Immacolata; Russo, Daniela ... Milella, Luigi</p> <p>Published: Mar 2021 in <i>Holzforschung - Wood Research and Technology</i></p> <p>DOI: 10.1515/HF-2020-0037</p>	5
<p>Orchard biomass residues: Chemical composition, biological activity and wood characterization of apricot tree (<i>Prunus armeniaca</i> L.)</p> <p>Authors (6): Bruno, Maria Roberta; Russo, Daniela ... Todaro, Luigi</p> <p>Published: Mar 2021 in <i>Biofuels, Bioproducts and Biorefining</i></p> <p>DOI: 10.1002/BBB.2178</p>	3
<p>Growth and Allocation of Woody Biomass in Forest Trees Based on Environmental Conditions</p> <p>Authors (3): Collalti, Alessio; Todaro, Luigi; Rita, Angelo</p> <p>Published: Feb 2021 in <i>Forests</i></p> <p>DOI: 10.3390/F12020154</p>	1
<p>Extraction Methods and Their Influence on Yield When Extracting Thermo-Vacuum-Modified Chestnut Wood</p> <p>Authors (4): D'Auria, Maurizio; Mecca, Marisabel ... Todaro, Luigi</p> <p>Published: Jan 2021 in <i>Forests</i></p> <p>DOI: 10.3390/F12010073</p>	4
<p>Effect of thermal modification on properties and milling behaviour of African padouk (<i>Pterocarpus soyauxii</i> Taub.) wood</p> <p>Authors (14): Corleto, Roberto; Gaff, Milan ... Macku, Jan</p> <p>Published: Jul 2020 in <i>Journal of Materials Research and Technology</i></p> <p>DOI: 10.1016/J.JMRT.2020.06.018</p>	5
<p>Identification of Suitable Areas for Biomass Power Plant Construction through Environmental Impact Assessment of Forest Harvesting Residues Transportation</p> <p>Authors (12): Pergola, Maria; Rita, Angelo ... Ripullone, Francesco</p> <p>Published: Jun 2020 in <i>Energies</i></p> <p>DOI: 10.3390/EN13112699</p>	8
<p>High temperature treatment allows the detection of episesamin in paulownia wood extractives</p> <p>Authors (3): D'Auria, Maurizio; Mecca, Marisabel; Todaro, Luigi</p> <p>Published: May 2020 in <i>Natural Product Research</i></p> <p>DOI: 10.1080/14786419.2018.1560289</p>	5
<p>Chemical analysis and antioxidant properties of orange-tree (<i>Citrus sinensis</i> L.) biomass extracts obtained via different extraction techniques</p> <p>Authors (11): Bruno, Maria R.; Russo, Daniela ... Gerardin, Philippe</p> <p>Published: May 2020 in <i>Biofuels, Bioproducts and Biorefining</i></p> <p>DOI: 10.1002/BBB.2090</p>	10
<p>Wood Modification in Europe</p> <p>Published: Jan 2020 in <i>Proceedings E Report</i></p> <p>DOI: 10.36253/978-88-6453-970-6</p>	<div style="border: 1px solid black; background-color: #444; color: white; padding: 5px; text-align: center;">             Not indexed in the Web of Science           </div>

<p>Long-term effect on the equilibrium moisture content in thermally modified <i>Quercus cerris</i> L. Wood</p> <p>Authors (6): Luigi, Todaro; Gianluca, Ditommaso ... Milan, Gaff</p> <p>Published: 2020 in HARDWOOD PROCEEDINGS, VOL 9 - PT I: AN UNDERUTILIZED RESOURCE: HARDWOOD ORIENTED RESEARCH</p>	0
<p>Gallic acid as main product in the water extractives of <i>Quercus frainetto</i> ten</p> <p>Authors (4): Cetera, Paola; D'Auria, Maurizio ... Todaro, Luigi</p> <p>Published: Oct 2019 in Natural Product Research</p> <p>DOI: 10.1080/14786419.2018.1503266</p>	3
<p>Spatio-temporal patterns of tree growth as related to carbon isotope fractionation in European forests under changing climate</p> <p>Authors (45): Shestakova, Tatiana A.; Voltas, Jordi ... Gutierrez, Emilia</p> <p>Published: Sep 2019 in Global Ecology and Biogeography</p> <p>DOI: 10.1111/GEB.12933</p>	24
<p>Thermo-treatment affects <i>Quercus cerris</i> L. wood properties and the antioxidant activity and chemical composition of its by-product extracts</p> <p>Authors (4): Cetera, Paola; Russo, Daniela ... Todaro, Luigi</p> <p>Published: Apr 2019 in Industrial Crops and Products</p> <p>DOI: 10.1016/J.INDCROP.2018.12.099</p>	21
<p>The effect of synthetic and natural fire-retardants on burning and chemical characteristics of thermally modified teak (<i>Tectona grandis</i> L. f.) wood</p> <p>Authors (8): Gaff, Milan; Kacik, Frantisek ... Cekovska, Hana</p> <p>Published: Mar 2019 in Construction and Building Materials</p> <p>DOI: 10.1016/J.CONBUILDMAT.2018.12.106</p>	15
<p>Comparative study of hybrid and wild black poplar genotypes in the first three-year cycle of multi-stem short-rotation coppice</p> <p>Authors (6): Saulino, Luigi; Allevato, Emilia ... Saracino, Antonio</p> <p>Published: Mar 2019 in Biomass and Bioenergy</p> <p>DOI: 10.1016/J.BIOMBIOE.2019.01.001</p>	3
<p>Effect of heat treatment on wood chemical composition, extraction yield and quality of the extractives of some wood species by the use of molybdenum catalysts</p> <p>Authors (3): Mecca, Marisabel; D'Auria, Maurizio; Todaro, Luigi</p> <p>Published: Jan 2019 in Wood Science and Technology</p> <p>DOI: 10.1007/S00226-018-1057-3</p>	9
<p>Wetting Behavior of Alder (<i>Alnus cordata</i> (Loisel) Duby) Wood Surface: Effect of Thermo-Treatment and Alkyl Ketene Dimer (AKD)</p> <p>Authors (5): Lovaglio, Teresa; Gindl-Altmatter, Wolfgang ... Todaro, Luigi</p> <p>Published: 2019 in Forests</p> <p>DOI: 10.3390/F10090770</p>	6

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Lignin and extractives degradation in poplar wood in the presence of hydrogen peroxide and molybdenum polyoxometalated compound Authors (3): D'Auria, Maurizio; Mecca, Marisabel; Todaro, Luigi Published: Sep 2018 in European Journal of Wood and Wood Products DOI: 10.1007/S00107-018-1334-8	0
The Use of a Molybdenum Polyoxometalated Compound to Increase the Amount of Extractives from Wood Wastes Authors (3): Mecca, Marisabel; Todaro, Luigi; D'Auria, Maurizio Published: Sep 2018 in Biomolecules DOI: 10.3390/BIOM8030062	4
Hydrodynamic behaviour of European black poplar ( <i>Populus nigra</i> L.) under coppice management along Mediterranean river ecosystems Authors (8): Pasquino, V.; Saulino, L. ... Chirico, G. B. Published: Jul 2018 in River Research and Applications DOI: 10.1002/RRA.3276	11
Physico-Mechanical Properties of Thermally Treated Poplar OSB Authors (5): Cetera, Paola; Negro, Francesco ... Zanuttini, Roberto Published: Jun 2018 in Forests DOI: 10.3390/F9060345	12
Influence of thermo-vacuum treatment on thermal degradation of various wood species Authors (5): Todaro, Luigi; Rita, Angelo ... Hiziroglu, Salim Published: Mar 2018 in European Journal of Wood and Wood Products DOI: 10.1007/S00107-017-1230-7	10
Integrate measurements allow the surface characterization of thermo-vacuum treated alder differentially coated Authors (7): D'Auria, Maurizio; Lovaglio, Teresa ... Todaro, Luigi Published: Jan 2018 in Measurement DOI: 10.1016/J.MEASUREMENT.2017.10.001	3
Thermal properties of thermo-treated native black poplar wood Authors (6): Todaro, Luigi; Goli, Giacomo ... Pantaleo, Antonio M. Published: 2018 in HARDWOOD CONFERENCE WITH SPECIAL FOCUS ON NEW ASPECTS ON HARDWOOD UTILIZATION - FROM SCIENCE TO TECHNOLOGY	2
Effects of thermo-vacuum treatment on secondary metabolite content and antioxidant activity of poplar ( <i>Populus nigra</i> L.) wood extracts Authors (4): Todaro, Luigi; Russo, Daniela ... Milella, Luigi Published: Dec 2017 in Industrial Crops and Products DOI: 10.1016/J.INDCROP.2017.08.052	46
Compositions of compounds extracted from thermo-treated wood using solvents of different polarities Published: Oct 2017 in IForest DOI: 10.3832/IFOR2360-010	16

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<p>Coordination of morphological and physiological traits in naturally recruited <i>Abies alba</i> Mill. saplings: insights from a structural equation modeling approach  Authors (6): Rita, Angelo; Ripullone, Francesco ... Borghetti, Marco  Published: Jun 2017 in <i>Annals of Forest Science</i>  DOI: 10.1007/S13595-017-0653-Y</p>	1
<p>Extractives fom Cedar Deodara and <i>Alnus Cordata</i> in the Presence of Molybdenum Catalysts  Authors (3): Mecca, Marisabel; Todaro, Luigi; D'Auria, Maurizio  Published: Mar 2017 in <i>ChemistrySelect</i>  DOI: 10.1002/SLCT.201700095</p>	7
<p>Climatic signal from <i>Pinus leucodermis</i> axial resin ducts: a tree-ring time series approach  Authors (6): Saracino, Antonio; Rita, Angelo ... Todaro, Luigi  Published: Feb 2017 in <i>European Journal of Forest Research</i>  DOI: 10.1007/S10342-016-1005-4</p>	4
<p>Machinability of Minor Wooden Species before and after Modification with Thermo-Vacuum Technology  Authors (6): Sandak, Jakub; Goli, Giacomo ... Todaro, Luigi  Published: Feb 2017 in <i>Materials</i>  DOI: 10.3390/MA10020121</p>	24
<p>Chemical characterization of <i>Cedrus deodara</i> wood extracts using water and molybdenum catalysts  Authors (3): D'Auria, Maurizio; Mecca, Marisabel; Todaro, Luigi  Published: 2017 in <i>Journal of Wood Chemistry and Technology</i>  DOI: 10.1080/02773813.2016.1253102</p>	8
<p>Interpreting the Climatic Effects on Xylem Functional Traits in Two Mediterranean Oak Species: The Role of Extreme Climatic Events  Authors (4): Rita, Angelo; Borghetti, Marco ... Saracino, Antonio  Published: Aug 2016 in <i>Frontiers in Plant Science</i>  DOI: 10.3389/FPLS.2016.01126</p>	21
<p>DATING WOODEN BEAMS FROM THE GRANCIA MONASTIC ABBEY IN SOUTHERN ITALY  Published: Jan 2016 in <i>Tree-Ring Research</i>  DOI: 10.3959/1536-1098-72.01.15</p>	0
<p>Effects of thermo-vacuum treatment on antioxidant activity of the poplar wood extractives obtained by different techniques  Authors (6): Cetera, Paola; Giordano, Mariantonietta ... Vignola, Lisiana  Published: 2016 in <i>Eco-efficient Resource Wood with Special Focus on Hardwoods</i></p>	0
<p>STEAMING TREATMENT DECREASES MOE AND COMPRESSION STRENGTH OF TURKEY OAK WOOD  Authors (5): Cetera, Paola; Todaro, Luigi ... Rita, Angelo  Published: 2016 in <i>Wood Research</i></p>	4

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Behavior of pubescent oak ( <i>Quercus pubescens</i> Willd.) wood to different thermal treatments Authors (6): Todaro, Luigi; Rita, Angelo ... Zanuttini, Roberto Published: Dec 2015 in IForest DOI: 10.3832/IFOR1348-007	9
Functional adjustments of xylem anatomy to climatic variability: insights from long-term <i>Ilex aquifolium</i> tree-ring series Authors (5): Rita, Angelo; Cherubini, Paolo ... Borghetti, Marco Published: Aug 2015 in Tree Physiology DOI: 10.1093/TREEPHYS/TPV055	36
Water-use efficiency and transpiration across European forests during the Anthropocene Authors (50): Frank, D. C.; Poulter, B. ... Weigl, M. Published: Jun 2015 in Nature Climate Change DOI: 10.1038/NCLIMATE2614	307
Thermal treatment modifies the calorific value and ash content in some wood species Authors (4): Todaro, Luigi; Rita, Angelo ... D'Auria, Maurizio Published: Jan 2015 in Fuel DOI: 10.1016/J.FUEL.2014.09.060	38
Surface characterization of untreated and hydro-thermally pre-treated Turkey oak woods after UV-C irradiation Published: 2015 in Surface and Interface Analysis DOI: 10.1002/SIA.5689	22
Assessment of Thermo-treated Bonded Wood Performance: Comparisons among Norway Spruce, Common Ash, and Turkey Oak Published: 2015 in BioResources DOI: 10.15376/BIORES.10.1.772-781	10
Differential climate-growth relationships in <i>Abies alba</i> Mill. and <i>Fagus sylvatica</i> L. in Mediterranean mountain forests Authors (5): Rita, Angelo; Gentilesca, Tiziana ... Borghetti, Marco Published: 2014 in Dendrochronologia DOI: 10.1016/J.DENDRO.2014.04.001	25
A Revaluation of Turkey Oak Wood ( <i>Quercus cerris</i> L.) Through Combined Steaming and Thermo-vacuum Treatments Published: Aug 2013 in BioResources DOI: 10.15376/BIORES.8.4.5051-5066	26
Effect of Combined Steam and Heat Treatments on Extractives and Lignin in Sapwood and Heartwood of Turkey Oak ( <i>Quercus cerris</i> L.) Wood Published: Jan 2013 in BioResources DOI: 10.15376/BIORES.8.2.1718-1730	33
Steaming effects on selected wood properties of Turkey oak by spectral analysis Authors (5): Todaro, Luigi; Zuccaro, Luigi ... Scopa, Antonio Published: 2012 in Wood Science and Technology DOI: 10.1007/S00226-010-0377-8	23

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<p>Effect of steaming treatment on resistance to footprints in Turkey oak wood for flooring</p> <p>Authors (1): Todaro, Luigi</p> <p>Published: 2012 in <i>European Journal of Wood and Wood Products</i></p> <p>DOI: 10.1007/S00107-011-0542-2</p>	13
<p>Influence of combined hydro-thermal treatments on selected properties of Turkey oak (<i>Quercus cerris</i> L.) wood</p> <p>Authors (4): Todaro, Luigi; Zanuttini, Roberto ... Moretti, Nicola</p> <p>Published: 2012 in <i>Wood Science and Technology</i></p> <p>DOI: 10.1007/S00226-011-0430-2</p>	29
<p>Effect of moisture on physical parameters of timber from Turkey oak (<i>Quercus cerris</i> L.) coppice in Central Italy</p> <p>Authors (6): Angela Lo Monaco; Luigi Todaro ... Rodolfo Picchio</p> <p>Published: Sep 2011 in <i>Forestry Studies in China</i></p> <p>DOI: 10.1007/S11632-013-0405-5</p>	<div style="background-color: #444; color: white; padding: 5px; border-radius: 5px; display: inline-block;">Not indexed in the Web of Science</div>
<p>Wood properties of young Douglas-fir in Southern Italy: results over a 12-year post-thinning period</p> <p>Authors (2): Todaro, Luigi; Macchioni, Nicola</p> <p>Published: 2011 in <i>European Journal of Forest Research</i></p> <p>DOI: 10.1007/S10342-010-0425-9</p>	23
<p>Short Rotation Forestry (SRF) in a Mediterranean Environment Under Limited Energy Inputs</p> <p>Published: Oct 2010 in <i>Italian Journal of Agronomy</i></p> <p>DOI: 10.4081/IJA.2010.392</p>	<div style="background-color: #444; color: white; padding: 5px; border-radius: 5px; display: inline-block;">Not indexed in the Web of Science</div>
<p>Signal strength and climate calibration of a European tree-ring isotope network</p> <p>Authors (40): Treydte, K.; Frank, D. ... Schleser, G. H.</p> <p>Published: Dec 2007 in <i>Geophysical Research Letters</i></p> <p>DOI: 10.1029/2007GL031106</p>	165
<p>Response of <i>Pinus leucodermis</i> to climate and anthropogenic activity in the National Park of Pollino (Basilicata, Southern Italy)</p> <p>Authors (6): Todaro, Luigi; Andreu, Laia ... Saracino, Antonio</p> <p>Published: Jul 2007 in <i>Biological Conservation</i></p> <p>DOI: 10.1016/J.BIOCON.2007.03.010</p>	42
<p>Growth and water relations of walnut trees (<i>Juglans regia</i> L.) on a mesic site in central Italy: effects of understorey herbs and polyethylene mulching</p> <p>Authors (5): Paris, P; Pisanelli, A ... Cannata, F</p> <p>Published: Nov 2005 in <i>Agroforestry Systems</i></p> <p>DOI: 10.1007/S10457-004-6719-5</p>	13

## Verified reviews

## Reviewer Summary

For manuscripts reviewed from date range June 2000 - June 2023

(13) Forests	(9) Materials
(8) Wood Material Science and Engineering	(7) European Journal of Wood and Wood Pr...
(6) Polymers	(4) Applied Sciences
(4) Construction and Building Materials	(4) Holzforschung - Wood Research and Tec...
(4) Coatings	(3) Polymer Composites
(3) Industrial Crops and Products	(2) IForest
(1) Journal of Bioresources and Bioproducts	(1) Current Forestry Reports
(1) Wood Science and Technology	(1) Drewno
(1) Plant Physiology and Biochemistry	(1) Journal of Physical Science
(1) Measurement	(1) Fuel
(1) Kastamonu University Journal of Forestr...	(1) Journal of the ASABE
(1) Wood and Fire Safety	(1) Scandinavian Journal of Forest Research
(1) Data	

## Editor records

### Editor Summary

For manuscripts handled from date range June 2000 - June 2023

(1) Forests

For manuscripts published from date range June 2000 - June 2023 (1)

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Decision date: 2021-03-18 for Forests

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