

# Peter Kitin

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41  
papers

1,383  
citations

19  
h-index

37  
g-index

42  
ext. papers

1,581  
ext. citations

3.7  
avg, IF

4.5  
L-index

#	Paper	IF	Citations
41	Highly thermal-stable and functional cellulose nanocrystals and nanofibrils produced using fully recyclable organic acids. <i>Green Chemistry</i> , <b>2016</b> , 18, 3835-3843	10	307
40	Antisense down-regulation of 4CL expression alters lignification, tree growth, and saccharification potential of field-grown poplar. <i>Plant Physiology</i> , <b>2010</b> , 154, 874-86	6.6	160
39	Transgenic poplars with reduced lignin show impaired xylem conductivity, growth efficiency and survival. <i>Plant, Cell and Environment</i> , <b>2011</b> , 34, 655-68	8.4	96
38	Bending characteristics of bamboo ( <i>Phyllostachys pubescens</i> ) with respect to its fiber/foam composite structure. <i>Wood Science and Technology</i> , <b>2007</b> , 41, 385-400	2.5	89
37	Tyloses and phenolic deposits in xylem vessels impede water transport in low-lignin transgenic poplars: a study by cryo-fluorescence microscopy. <i>Plant Physiology</i> , <b>2010</b> , 154, 887-98	6.6	79
36	Anatomy of the vessel network within and between tree rings of <i>Fraxinus lanuginosa</i> (Oleaceae). <i>American Journal of Botany</i> , <b>2004</b> , 91, 779-88	2.7	57
35	EARLYWOOD VESSELS IN RING-POROUS TREES BECOME FUNCTIONAL FOR WATER TRANSPORT AFTER BUD BURST AND BEFORE THE MATURATION OF THE CURRENT-YEAR LEAVES. <i>IAWA Journal</i> , <b>2016</b> , 37, 315-331	2.3	53
34	Fluctuations of cambial activity in relation to precipitation result in annual rings and intra-annual growth zones of xylem and phloem in teak ( <i>Tectona grandis</i> ) in Ivory Coast. <i>Annals of Botany</i> , <b>2012</b> , 110, 861-73	4.1	50
33	Anatomical features that facilitate radial flow across growth rings and from xylem to cambium in <i>Cryptomeria japonica</i> . <i>Annals of Botany</i> , <b>2009</b> , 103, 1145-57	4.1	44
32	Regulation of Gene Expression during the Onset of Ligninolytic Oxidation by <i>Phanerochaete chrysosporium</i> on Spruce Wood. <i>Applied and Environmental Microbiology</i> , <b>2015</b> , 81, 7802-12	4.8	41
31	Climate change and the regulation of wood formation in trees by temperature. <i>Trees - Structure and Function</i> , <b>2018</b> , 32, 3-15	2.6	37
30	Variations in the Lengths of Fusiform Cambial Cells and Vessel Elements in <i>Kalopanax pictus</i> . <i>Annals of Botany</i> , <b>1999</b> , 84, 621-632	4.1	32
29	Do ray cells provide a pathway for radial water movement in the stems of conifer trees?. <i>American Journal of Botany</i> , <b>2013</b> , 100, 322-31	2.7	28
28	Charcoal identification in species-rich biomes: A protocol for Central Africa optimised for the Mayumbe forest. <i>Review of Palaeobotany and Palynology</i> , <b>2012</b> , 171, 164-178	1.7	27
27	Trade-offs between biomass growth and inducible biosynthesis of polyhydroxybutyrate in transgenic poplar. <i>Plant Biotechnology Journal</i> , <b>2011</b> , 9, 759-67	11.6	26
26	Origin, morphology, and anatomy of fasciation in plants cultured in vivo and in vitro. <i>Plant Growth Regulation</i> , <b>2011</b> , 63, 115-129	3.2	25
25	Three-Dimensional Imaging and Analysis of Differentiating Secondary Xylem by Confocal Microscopy. <i>IAWA Journal</i> , <b>2003</b> , 24, 211-222	2.3	23

24	Involvement of Localized Cortical Microtubules in the Formation of a Modified Structure of Wood. <i>Journal of Plant Research</i> , <b>2001</b> , 114, 491-497	2.6	23
23	Analysis by Confocal Microscopy of the Structure of Cambium in the Hardwood <i>Kalopanax pictus</i> . <i>Annals of Botany</i> , <b>2000</b> , 86, 1109-1117	4.1	20
22	Ancient charcoal as a natural archive for paleofire regime and vegetation change in the Mayumbe, Democratic Republic of the Congo. <i>Quaternary Research</i> , <b>2013</b> , 80, 326-340	1.9	19
21	Spatial mapping of extracellular oxidant production by a white rot basidiomycete on wood reveals details of ligninolytic mechanism. <i>Environmental Microbiology</i> , <b>2013</b> , 15, 956-66	5.2	15
20	Cambial dormancy induced growth rings in <i>Heritiera fomes</i> Buch.- Ham.: a proxy for exploring the dynamics of Sundarbans, Bangladesh. <i>Trees - Structure and Function</i> , <b>2016</b> , 30, 227-239	2.6	15
19	ANALYSIS OF CAMBIUM AND DIFFERENTIATING VESSEL ELEMENTS IN <i>KALOPANAX PICTUS</i> USING RESIN CAST REPLICAS. <i>IAWA Journal</i> , <b>2001</b> , 22, 15-28	2.3	14
18	Fusiform cells in the cambium of <i>Kalopanax pictus</i> are exclusively mononucleate. <i>Journal of Experimental Botany</i> , <b>2002</b> , 53, 483-8	7	14
17	Acridine Orange Indicates Early Oxidation of Wood Cell Walls by Fungi. <i>PLoS ONE</i> , <b>2016</b> , 11, e0159715	3.7	14
16	Complementary Imaging Techniques for Charcoal Examination and Identification. <i>IAWA Journal</i> , <b>2013</b> , 34, 147-168	2.3	13
15	A comparative histological study between normal and fasciated shoots of <i>Prunus avium</i> generated in vitro. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2005</b> , 82, 141-150	2.7	9
14	Changes in cambial activity are related to precipitation patterns in four tropical hardwood species grown in Indonesia. <i>American Journal of Botany</i> , <b>2019</b> , 106, 760-771	2.7	8
13	Three-Dimensional Imaging of Cambium and Secondary Xylem Cells by Confocal Laser Scanning Microscopy <b>2015</b> , 431-465		8
12	Cavitation of intercellular spaces is critical to establishment of hydraulic properties of compression wood of <i>Chamaecyparis obtusa</i> seedlings. <i>Annals of Botany</i> , <b>2016</b> , 117, 457-63	4.1	7
11	Direct fluorescence imaging of lignocellulosic and suberized cell walls in roots and stems. <i>AoB PLANTS</i> , <b>2020</b> , 12, plaa032	2.9	7
10	ANATOMICAL STUDY OF IN VITRO OBTAINED FASCIATED SHOOTS FROM <i>BETULA PENDULA</i> ROTH.. <i>Acta Horticulturae</i> , <b>2003</b> , 481-484	0.3	5
9	What is disjunctive xylem parenchyma? A case study of the African tropical hardwood <i>Okoubaka aubrevillei</i> (Santalaceae). <i>American Journal of Botany</i> , <b>2009</b> , 96, 1399-408	2.7	4
8	Winter-spring temperature pattern is closely related to the onset of cambial reactivation in stems of the evergreen conifer <i>Chamaecyparis pisifera</i> . <i>Scientific Reports</i> , <b>2020</b> , 10, 14341	4.9	4
7	Tree rings show a different climatic response in a managed and a non-managed plantation of teak ( <i>Tectona grandis</i> ) in West Africa. <i>IAWA Journal</i> , <b>2015</b> , 36, 409-427	2.3	3

6	Xylem Water Distribution in Woody Plants Visualized with a Cryo-scanning Electron Microscope. <i>Journal of Visualized Experiments</i> , <b>2019</b> ,	1.6	2
5	Light microscopy of wood using sanded surface instead of slides <b>2021</b> , 42, 322-335		2
4	Pathways of extra- and intercellular diffusion of colored substances in the blackened xylem of <i>Diospyros kaki</i> . <i>Journal of Wood Science</i> , <b>2020</b> , 66,	2.4	1
3	Growth, total lipid, and omega-3 fatty acid production by <i>Nannochloropsis</i> spp. cultivated with raw plant substrate. <i>Algal Research</i> , <b>2020</b> , 51, 102041	5	1
2	Direct analysis in real-time (DART) time-of-flight mass spectrometry (TOFMS) of wood reveals distinct chemical signatures of two species of <i>Afzelia</i> . <i>Annals of Forest Science</i> , <b>2021</b> , 78, 1	3.1	1
1	Spatial and temporal patterns of wound periderm development in <i>Cryptomeria japonica</i> bark <b>2021</b> , 1-11		