

# Shakti Singh Chauhan

## List of Publications by Year in descending order

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42  
papers

867  
citations

623734

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501196

28  
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42  
all docs

42  
docs citations

42  
times ranked

880  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellulose nanofiber networked bamboo particle-based biocomposites. <i>Polymer Composites</i> , 2022, 43, 977-986.	4.6	4
2	Effect of maleic anhydride grafted polylactic acid concentration on mechanical and thermal properties of thermoplasticized starch filled polylactic acid blends. <i>Polymers and Polymer Composites</i> , 2021, 29, S400-S410.	1.9	10
3	Quality Assessment of <i>Artocarpus heterophyllus</i> Log Using Nondestructive Evaluation Techniques. <i>Journal of Nondestructive Evaluation</i> , 2021, 40, 1.	2.4	1
4	Effect of carbonization temperature on properties of natural fiber and charcoal filled hybrid polymer composite. <i>Composites Part B: Engineering</i> , 2021, 217, 108846.	12.0	23
5	Micromechanical modeling of bamboo short fiber reinforced polypropylene composites. <i>Multiscale and Multidisciplinary Modeling, Experiments and Design</i> , 2021, 4, 25-40.	2.1	8
6	Effect of repeated cycles of wetting and drying on mechanical properties of wood-polypropylene composites. <i>Journal of the Indian Academy of Wood Science</i> , 2020, 17, 114-122.	0.9	5
7	Phenotypic assessment of wood density and stiffness in <i>Melia dubia</i> plantations from three locations using non-destructive tools. <i>Journal of the Indian Academy of Wood Science</i> , 2019, 16, 87-93.	0.9	0
8	Mechanical and thermal properties of wood fibers reinforced poly(lactic acid)/thermoplasticized starch composites. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46118.	2.6	14
9	A comparative study of dynamic and static modulus of elasticity of natural fiber reinforced HDPE composites. <i>Journal of the Indian Academy of Wood Science</i> , 2018, 15, 80-86.	0.9	3
10	Mechanical characterization, modelling and application design of bamboo-polypropylene composites. <i>International Journal of Plastics Technology</i> , 2018, 22, 85-103.	3.1	7
11	Non-destructive estimation of modulus of elasticity of wood polymer composite. <i>Journal of the Indian Academy of Wood Science</i> , 2017, 14, 18-23.	0.9	3
12	Differences in dynamic modulus of elasticity determined by three vibration methods and their relationship with static modulus of elasticity. <i>Maderas: Ciencia Y Tecnologia</i> , 2016, , 0-0.	0.7	20
13	Effect of grafting yield and molecular weight of m-TMI-grafted-PP on the mechanical properties of wood fiber filled polypropylene composites. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	2
14	The effectiveness of m-TMI-grafted-PP as a coupling agent for wood polymer composites. <i>Journal of Composite Materials</i> , 2016, 50, 3515-3524.	2.4	15
15	Ranking very young <i>Pinus radiata</i> families for acoustic stiffness and validation by microfibril angle. <i>Annals of Forest Science</i> , 2016, 73, 393-400.	2.0	6
16	The effect of saw kerf width on the value of the axial growth stress measured by slitting a log along its axis. <i>Wood Material Science and Engineering</i> , 2016, 11, 1-12.	2.3	4
17	Moisture adsorption and absorption behaviour of bio-fiber filled thermoplastic composites. <i>Journal of the Indian Academy of Wood Science</i> , 2015, 12, 104-109.	0.9	3
18	Wood quality assessment of <i>Pinus radiata</i> (radiata pine) saplings by dynamic mechanical analysis. <i>Wood Science and Technology</i> , 2015, 49, 1239-1250.	3.2	15

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19	Destructive and non-destructive evaluation of seven hardwoods and analysis of data correlation. <i>Holzforschung</i> , 2014, 68, 951-956.	1.9	18
20	Assessment of variability in morphological and wood quality traits in <i>Melia dubia</i> Cav. for selection of superior trees. <i>Journal of the Indian Academy of Wood Science</i> , 2014, 11, 25-32.	0.9	12
21	Effect of concentration of coupling agent on mechanical properties of coir-polypropylene composite. <i>Journal of the Indian Academy of Wood Science</i> , 2013, 10, 62-67.	0.9	6
22	Methods for the very early selection of <i>Pinus radiata</i> D. Don. for solid wood products. <i>Annals of Forest Science</i> , 2013, 70, 439-449.	2.0	24
23	Pontamine fast scarlet 4B: a new fluorescent dye for visualising cell wall organisation in radiata pine tracheids. <i>Wood Science and Technology</i> , 2013, 47, 59-75.	3.2	28
24	Longitudinal growth strains in five clones of <i>Eucalyptus tereticornis</i> Sm.. <i>Journal of Forestry Research</i> , 2013, 24, 339-343.	3.6	2
25	Mechanical properties of bio-fibers-reinforced high-density polyethylene composites: effect of coupling agents and bio-fillers. <i>Journal of Reinforced Plastics and Composites</i> , 2013, 32, 1722-1732.	3.1	17
26	Microwave drying of planks of <i>Grevillea robusta</i> A. Cunn. ex R. <i>Journal of the Indian Academy of Wood Science</i> , 2011, 8, 84-88.	0.9	0
27	Genetic control of very early compression and opposite wood in <i>Pinus radiata</i> and its implications for selection. <i>Tree Genetics and Genomes</i> , 2011, 7, 563-571.	1.6	26
28	Characterization of mechanically perturbed young stems: can it be used for wood quality screening?. <i>Annals of Forest Science</i> , 2011, 68, 407-414.	2.0	22
29	Segregation of <i>Eucalyptus tereticornis</i> Sm. clones for properties relevant to solid wood products. <i>Annals of Forest Science</i> , 2011, 68, 511.	2.0	11
30	The effect of galactan content on the mechano-sorptive strain in loblolly pine. <i>Holzforschung</i> , 2011, 65, .	1.9	0
31	Wood quality in artificially inclined 1-year-old trees of <i>Eucalyptus regnans</i> differences in tension wood and opposite wood properties. <i>Canadian Journal of Forest Research</i> , 2011, 41, 930-937.	1.7	12
32	Measurement of surface growth stress in <i>Eucalyptus nitens</i> Maiden by splitting a log along its axis. <i>Holzforschung</i> , 2010, 64, .	1.9	14
33	Moisture adsorption behaviour of decayed rubber wood. <i>Journal of the Institute of Wood Science</i> , 2009, 19, 1-6.	0.0	6
34	Damping behavior of wood filled polypropylene composites. <i>Journal of Applied Polymer Science</i> , 2009, 114, 2421-2426.	2.6	26
35	Liquefaction efficiency of <i>Hevea Brasiliensis</i> wood in phenol with hydrochloric acid as a catalyst. <i>Journal of the Institute of Wood Science</i> , 2009, 19, 22-26.	0.0	0
36	Mechanical properties of wood-fiber reinforced polypropylene composites: Effect of a novel compatibilizer with isocyanate functional group. <i>Composites Part A: Applied Science and Manufacturing</i> , 2007, 38, 227-233.	7.6	353

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37	Variations in acoustic velocity and density with age, and their interrelationships in radiata pine. Forest Ecology and Management, 2006, 229, 388-394.	3.2	94
38	Evaluation of dynamic elastic properties of wood-filled polypropylene composites. Journal of Applied Polymer Science, 2006, 102, 1706-1711.	2.6	9
39	Wood quality: in context. , 2006, , 121-158.		6
40	Wood quality: multifaceted opportunities. , 2006, , 159-202.		9
41	Differences in acoustic velocity by resonance and transit-time methods in an anisotropic laminated wood medium. Holzforschung, 2005, 59, 428-434.	1.9	24
42	Development of bamboo polymer composites with improved impact resistance. Polymers and Polymer Composites, 0, , 096739112110093.	1.9	5