

Krishna K Pandey

List of Publications by Year in descending order

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31
papers

2,611
citations

394421

19
h-index

501196

28
g-index

32
all docs

32
docs citations

32
times ranked

3094
citing authors

#	ARTICLE	IF	CITATIONS
1	A study of chemical structure of soft and hardwood and wood polymers by FTIR spectroscopy. Journal of Applied Polymer Science, 1999, 71, 1969-1975.	2.6	935
2	Study of the effect of photo-irradiation on the surface chemistry of wood. Polymer Degradation and Stability, 2005, 90, 9-20.	5.8	311
3	Environmental effects of ozone depletion, UV radiation and interactions with climate change: UNEP Environmental Effects Assessment Panel, update 2017. Photochemical and Photobiological Sciences, 2018, 17, 127-179.	2.9	177
4	Ozone depletion, ultraviolet radiation, climate change and prospects for a sustainable future. Nature Sustainability, 2019, 2, 569-579.	23.7	156
5	Improvement of UV resistance of wood surfaces by using ZnO nanoparticles. Polymer Degradation and Stability, 2012, 97, 592-596.	5.8	126
6	Comparative study of photodegradation of wood by a UV laser and a xenon light source. Polymer Degradation and Stability, 2008, 93, 2138-2146.	5.8	106
7	Effect of Heat Treatment on Color Changes, Dimensional Stability, and Mechanical Properties of Wood. Journal of Wood Chemistry and Technology, 2012, 32, 304-316.	1.7	93
8	Environmental effects of stratospheric ozone depletion, UV radiation, and interactions with climate change: UNEP Environmental Effects Assessment Panel, Update 2020. Photochemical and Photobiological Sciences, 2021, 20, 1-67.	2.9	93
9	Photodegradation of thermally modified wood. Journal of Photochemistry and Photobiology B: Biology, 2012, 117, 140-145.	3.8	79
10	Interactive effects of solar UV radiation and climate change on material damage. Photochemical and Photobiological Sciences, 2019, 18, 804-825.	2.9	71
11	Flexible transparent wood prepared from poplar veneer and polyvinyl alcohol. Composites Science and Technology, 2019, 182, 107719.	7.8	65
12	Environmental effects of stratospheric ozone depletion, UV radiation and interactions with climate change: UNEP Environmental Effects Assessment Panel, update 2019. Photochemical and Photobiological Sciences, 2020, 19, 542-584.	2.9	59
13	Photostable transparent wood composite functionalized with an UV-absorber. Polymer Degradation and Stability, 2021, 189, 109600.	5.8	52
14	UV stabilization of wood by nano metal oxides dispersed in propylene glycol. Journal of Photochemistry and Photobiology B: Biology, 2018, 183, 1-10.	3.8	41
15	Environmental effects of stratospheric ozone depletion, UV radiation, and interactions with climate change: UNEP Environmental Effects Assessment Panel, Update 2021. Photochemical and Photobiological Sciences, 2022, 21, 275-301.	2.9	40
16	Photostability of wood surfaces esterified by benzoyl chloride. Journal of Applied Polymer Science, 2006, 99, 2367-2374.	2.6	37
17	UV resistance and dimensional stability of wood modified with isopropenyl acetate. Journal of Photochemistry and Photobiology B: Biology, 2016, 155, 20-27.	3.8	35
18	Photobleaching and Dimensional Stability of Rubber Wood Esterified by Fatty Acid Chlorides. Journal of Wood Chemistry and Technology, 2012, 32, 121-136.	1.7	23

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19	Decay resistance of rubberwood (<i>Hevea brasiliensis</i>) impregnated with ZnO and CuO nanoparticles dispersed in propylene glycol. <i>International Biodeterioration and Biodegradation</i> , 2017, 122, 100-106.	3.9	23
20	Performance of polyurethane coatings on acetylated and benzoylated rubberwood. <i>European Journal of Wood and Wood Products</i> , 2015, 73, 111-120.	2.9	19
21	Spectral sensitivity in the photodegradation of fir wood (<i>Abies alba</i> Mill.) surfaces: correspondence of physical and chemical changes in natural weathering. <i>Wood Science and Technology</i> , 2016, 50, 989-1002.	3.2	18
22	UV resistant wood coating based on zinc oxide and cerium oxide dispersed linseed oil nano-emulsion. <i>Materials Today Communications</i> , 2022, 30, 103177.	1.9	12
23	The success of the Montreal Protocol in mitigating interactive effects of stratospheric ozone depletion and climate change on the environment. <i>Global Change Biology</i> , 2021, 27, 5681-5683.	9.5	9
24	Influences of extractives and thermal modification on the UV resistance of <i>Albizia lebbbeck</i> wood. <i>Wood Material Science and Engineering</i> , 2023, 18, 540-548.	2.3	6
25	Optical properties of transparent wood composites prepared using transverse sections of poplar wood. <i>Holzforschung</i> , 2022, 76, 658-667.	1.9	6
26	Enhancing Photostability of Wood Coatings Using Titanium Dioxide Nanoparticles. , 2017, , 251-259.		5
27	Physiochemical characterization and thermal behaviour of transparent wood composite. <i>Materials Today Communications</i> , 2022, 31, 103767.	1.9	5
28	A Note on the Effect of Microwave Heating on Iodine-Catalyzed Acetylation of Wood. <i>Journal of Wood Chemistry and Technology</i> , 2016, 36, 205-210.	1.7	4
29	Chemical and Application Properties of Some Solvent and Water Based Coatings on Wooden Substrate. <i>Drvna Industrija</i> , 2019, 70, 107-114.	0.6	3
30	Photostability of acetylated wood coated with nano zinc oxide. <i>Maderas: Ciencia Y Tecnologia</i> , 2020, , 0-0.	0.7	1
31	Simple and rapid FTIR spectral data and chemometric analysis based method for evaluation of the quality of Indian Sandalwood oil. <i>Journal of Essential Oil Research</i> , 2021, 33, 376-384.	2.7	0