# Matheus Poletto

List of Publications by Year
in descending order



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|---|---|---|---|
| 45 papers | 2,670 citations | 394286 19 h-index | 302012 39 g-index |
| 47 all docs | 47 docs citations | 47 times ranked | 3471 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Characterization and use of a lignin sample extracted from Eucalyptus grandis sawdust for the removal of methylene blue dye. International Journal of Biological Macromolecules, 2021, 170, 375-389. | 3.6 | 43 |
| 2 | THERMAL DECOMPOSITION OF WOOD FIBERS: THERMAL SIMULATION USING THE F-TEST STATISTICAL TOOL. Cellulose Chemistry and Technology, 2021, 55, 231-241. | 0.5 | 0 |
| 3 | Biocomposites of Low-Density Polyethylene Plus Wood Flour or Flax Straw: Biodegradation Kinetics across Three Environments. Polymers, 2021, 13, 2138. | 2.0 | 13 |
| 4 | Pecan nutshell: morphological, chemical and thermal characterization. Journal of Materials Research and Technology, 2021, 13, 2229-2238. | 2.6 | 9 |
| 5 | Assessment of Morphological, Physical, Thermal, and Thermal Conductivity Properties of Polypropylene/Lignosulfonate Blends. Materials, 2021, 14, 543. | 1.3 | 6 |
| 6 | Wood Treatments and Interfacial Bonding in Wood-Plastic Composites. Composites Science and Technology, 2021, , 43-65. | 0.4 | 0 |
| 7 | Materials from Biomass: A Constant Challenge. Current Applied Polymer Science, 2021, 4, 157-158. | 0.2 | 0 |
| 8 | Evaluation of the drying process and toxic metal contents in yerba mate cultivated in southern Brazil. Agronomia Colombiana, 2021, 39, 453-458. | 0.1 | 0 |
| 9 | Cellulose Nanowhiskers Extracted from Tempo-Oxidized Curaua Fibers. Journal of Natural Fibers, 2020, 17, 1355-1365. | 1.7 | 29 |
| 10 | Natural oils as coupling agents in recycled polypropylene wood flour composites: Mechanical, thermal and morphological properties. Polymers and Polymer Composites, 2020, 28, 443-450. | 1.0 | 9 |
| 11 | Preparation and Characterization of Hemicellulose Films from Sugarcane Bagasse. Materials, 2020, 13, 941. | 1.3 | 30 |
| 12 | FTIR AND WAXS STUDIES ON SIX VEGETAL FIBERS. Cellulose Chemistry and Technology, 2020, 54, 187-197. | 0.5 | 5 |
| 13 | Maleated soybean oil as coupling agent in recycled polypropylene/wood flour composites: Mechanical, thermal, and morphological properties. Journal of Thermoplastic Composite Materials, 2019, 32, 1056-1067. | 2.6 | 12 |
| 14 | Characterization of polystyrene nanocomposites and expanded nanocomposites reinforced with cellulose nanofibers and nanocrystals. Cellulose, 2019, 26, 4417-4429. | 2.4 | 32 |
| 15 | Influence of coupling agents on rheological, thermal expansion and morphological properties of recycled poypropylene wood flour composites. Maderas: Ciencia Y Tecnologia, 2018, , 0-0. | 0.7 | 2 |
| 16 | Preparation and Characterization of Hollow Glass Microspheres- Reinforced Poly (acrylonitrile-co-butadiene-co-styrene) Composites. Materials Research, 2018, 21, . | 0.6 | 4 |
| 17 | Mechanical and dynamic mechanical properties of polystyrene composites reinforced with cellulose fibers. Journal of Thermoplastic Composite Materials, 2017, 30, 1242-1254. | 2.6 | 24 |
| 18 | Change in shape of the crystallite size with wood flour and their native cellulose using WAXS studies. AIP Conference Proceedings, 2017, , . | 0.3 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Mechanical, dynamic mechanical and morphological properties of composites based on recycled polystyrene filled with wood flour wastes. Maderas: Ciencia Y Tecnologia, 2017, , 0-0. | 0.7 | 4 |
| 20 | Polypropylene-based wood-plastic composites: Effect of using a coupling agent derived from a renewable resource. Maderas: Ciencia Y Tecnologia, 2017, , 0-0. | 0.7 | 8 |
| 21 | Assessment of the thermal behavior of lignins from softwood and hardwood species. Maderas: Ciencia Y Tecnologia, 2017, , 0-0. | 0.7 | 13 |
| 22 | Comparative study of wood flour photodegradation of two wood species submitted to artificial weathering. Maderas: Ciencia Y Tecnologia, 2017, , 0-0. | 0.7 | 6 |
| 23 | THERMAL DEGRADATION AND MORPHOLOGICAL ASPECTS OF FOUR WOOD SPECIES USED IN LUMBER INDUSTRY. Revista Arvore, 2016, 40, 941-948. | 0.5 | 25 |
| 24 | Effect of extractive content on the thermal stability of two wood species from Brazil. Maderas: Ciencia Y Tecnologia, 2016, , 0-0. | 0.7 | 12 |
| 25 | Poly(acrylonitrile-co-butadiene-co-styrene) Reinforced with Hollow Glass Microspheres: Evaluation of Extrusion Parameters and Their Effects on the Composite Properties. Journal of Polymers, 2016, 2016, 1-7. | 0.9 | 1 |
| 26 | Composites and Nanocomposites Based on Renewable and Sustainable Materials. International Journal of Polymer Science, 2016, 2016, 1-2. | 1.2 | 2 |
| 27 | Effect of styrene maleic anhydride on physical and mechanical properties of recycled polystyrene wood flour composites. Maderas: Ciencia Y Tecnologia, 2016, , 0-0. | 0.7 | 4 |
| 28 | Polystyrene cellulose fiber composites: effect of the processing conditions on mechanical and dynamic mechanical properties. Revista Materia, 2016, 21, 552-559. | 0.1 | 7 |
| 29 | Effects of the coupling agent structure on the adhesion of recycled polystyrene wood flour composites: Thermal degradation kinetics and thermodynamics parameters. Journal of Composite Materials, 2016, 50, 3291-3299. | 1.2 | 3 |
| 30 | Dynamic mechanical properties and the dynamic fragility concept applied to vegetal fiber on vegetal composite materials. Journal of Composite Materials, 2016, 50, 2469-2475. | 1.2 | 4 |
| 31 | Thermal Degradation of Thermosetting Nanocomposites. Engineering Materials, 2015, , 51-79. | 0.3 | 3 |
| 32 | Native Cellulose: Structure, Characterization and Thermal Properties. Materials, 2014, 7, 6105-6119. | 1.3 | 691 |
| 33 | Correlation of the thermal stability and the decomposition kinetics of six different vegetal fibers. Cellulose, 2014, 21, 177-188. | 2.4 | 99 |
| 34 | Effect of natural oils on the thermal stability and degradation kinetics of recycled polypropylene wood flour composites. Polymer Composites, 2014, 35, 1935-1942. | 2.3 | 23 |
| 35 | Materials produced from plant biomass: part III: degradation kinetics and hydrogen bonding in lignin. Materials Research, 2013, 16, 1065-1070. | 0.6 | 47 |
| 36 | Materials produced from plant biomass: part II: evaluation of crystallinity and degradation kinetics of cellulose. Materials Research, 2012, 15, 421-427. | 0.6 | 61 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Thermal decomposition of wood: Kinetics and degradation mechanisms. Bioresource Technology, 2012, 126, 7-12. | 4.8 | 243 |
| 38 | Effects of wood flour addition and coupling agent content on mechanical properties of recycled polystyrene/wood flour composites. Journal of Thermoplastic Composite Materials, 2012, 25, 821-833. | 2.6 | 59 |
| 39 | Dynamic mechanical analysis of recycled polystyrene composites reinforced with wood flour. Journal of Applied Polymer Science, 2012, 125, 935-942. | 1.3 | 22 |
| 40 | Structural differences between wood species: Evidence from chemical composition, FTIR spectroscopy, and thermogravimetric analysis. Journal of Applied Polymer Science, 2012, 126, E337. | 1.3 | 214 |
| 41 | Thermal decomposition of wood: Influence of wood components and cellulose crystallite size. Bioresource Technology, 2012, 109, 148-153. | 4.8 | 433 |
| 42 | Characterization of composites based on expanded polystyrene wastes and wood flour. Waste Management, 2011, 31, 779-784. | 3.7 | 92 |
| 43 | Crystalline properties and decomposition kinetics of cellulose fibers in wood pulp obtained by two pulping processes. Polymer Degradation and Stability, 2011, 96, 679-685. | 2.7 | 181 |
| 44 | Materials produced from plant biomass: Part I: evaluation of thermal stability and pyrolysis of wood. Materials Research, 2010, 13, 375-379. | 0.6 | 96 |
| 45 | Structural Characteristics and Thermal Properties of Native Cellulose. , 0, , . | | 70 |