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Apprimus Wissenschaftsver Feb 2017, 2017. Taschenbuch. Condition: Neu. Neuware - This thesis unveils novel as well as optimized synthetic pathways for a one-step amino-functionalization of lignin material via Mannich reaction in order to form a bio-based curing agent for epoxy resins. The resulting amino-modified lignin derivatives were characterized explicitly and were optimized for utilization as amino-hardener for epoxy resins. This opens a new area of interest for incorporating lignin material as functionalized additive into epoxy resins. Thereby the benefit of biomass such as lignin can be increased and novel applications for lignin can be developed. 236 pp. Englisch.

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