Record Nr. UNINA9910346951503321 Autore Titus Fabian **Titolo** Verbrennungskontrollierte Erwarmung des Brennraums zur Emissionsreduktion wahrend des Kaltstarts - Untersuchungen zu Emissionen und zur Flammenausbreitung KIT Scientific Publishing, 2019 Pubbl/distr/stampa **ISBN** 1000084432 Descrizione fisica 1 online resource (XII, 121 p. p.) Technology: general issues Soggetti Lingua di pubblicazione Tedesco **Formato** Materiale a stampa Livello bibliografico Monografia This work describes the influence of catalytic converter heating Sommario/riassunto strategies on the emissions during heating operation, as well as during the subsequent load demand at different engine start temperatures. A novel strategy is presented, that provides heating of the combustion chamber, without decreasing the catalyst converter heating significantly. The studies were carried out on a gasoline engine. Emissions were examined in detail. In addition, the flame propagation

is evaluated experimentally.