

Catalytic Microreactors For Portable Power Generation

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Nomenclature Introduction Experimental setup Numerical models Experimental and numerical investigation of the hetero /homogeneous combustion of lean propane/air mixtures over platinum Experimental and numerical investigation of a propane fueled, catalytic, mesoscale combustor Hetero /homogeneous combustion and stability maps in methane fueled catalytic microreactors Stability of hetero /homogeneous combustion in propane and methane fueled catalytic microreactors: channel confinement and molecular transport effects Numerical investigation on the start up of methane fueled, catalytic microreactors Conclusions Summary Outlook EAN/ISBN : 9783642176685 Publisher(s): Springer, Berlin Discussed keywords: Mikroreaktor Format: ePub/PDF Author(s): Karagiannidis, Symeon

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