

Doctoral Dissertations

In Progress

1.	Dimitrakis D., Solar-Thermo-Chemical Reactors with a Zero Carbon Footprint
2.	Kastrinaki G., Synthesis and Characterization of Nanostructured Porous Materials
3.	Melas A., Experimental and Theoretical Study of the Formation and Structure of Nanoparticles
4.	Pagkoura C., Development of Catalytic Nanostructured Coatings on Porous Supports
Completed	

1.

Lorentzou S. (2010) Aerosol Nanoparticle Synthesis and their Application on Monolithic Reactors for CO₂ Conversion

Diploma Thesis

2012

1	K. Bakatselou, "Formation of Redox Materials in Monolithic Structures for Solar Thermochemical Energy Storage"
2011	
1.	M. Maglara, "Development and Characterization of Materials for the Sabatier Reaction"
2.	E. Fotiadou, "CO ₂ Thermochemical Splitting"
3.	N. Psara, "Isotopic Study of Redox Materials"
4.	D. Pappas, "Evaluation of Catalytic Soot Particulate Filters"

2010

1.	G. Kladaras, "Technoeconomical Study of Solar Thermochemical Facilities for Hydrogen Production"
2.	P. Pilavakis, "Ferrite Synthesis via the Process of Self-Propagating High Temperature Synthesis"
3.	A. Koutsianos, C. Tsoukalas, "Measurement of Nanoparticles and Gaseous Species in a Solar Thermochemical Reactor"

2009

1.	C. Lekkos, "Computational Study of a Solar-Thermochemical Reactor for Hydrogen Production"
2.	A. Kolomvaki, A. Paraskaki, "Isotopic Characterization of Redox Materials"
3.	A. Georgiadi, "Characterization of Materials for Solar Thermochemical Dissociation of Water"
4.	V. Polatidis, "Computational Analysis of Raman Spectra for the Characterization of Redox Materials"
5.	A. Melas, "Development and Characterization of Materials for the Chemical Looping of Methane"
6.	D. Tsaoulidis, "Solar-Thermal Hydrogen Production: SO ₃ Decomposition via a Self-Propagating High Temperature Synthesis"
7.	P. Konstandinidis, I. Mavrovas, "Construction of a Self-Controlled Reflector for a Solar Thermochemical Reactor"

2003

1.

Zygogianni Alexandra, "Σύνθεση καταλυτικών νανοσωματιδίων μικτών οξειδίων μέσω αυτοπρωθούσας αντίδρασης"