

---

ANNALES		
UNIVERSITATIS MARIAE CURIE-SKŁODOWSKA		
LUBLIN – POLONIA		

---

VOL. LXXII, 2

SECTIO AA

2017

## TABLE OF CONTENTS

Monika Pańczyk, Andrzej Denis, Kazimierz Stołecki and Tadeusz Borowiecki	
<i>Methane steam reforming at low temperature over Ni-MgO-Al<sub>2</sub>O<sub>3</sub> catalysts: activity and resistance to coking.....</i>	1
Tatiana Krupskaya, Paulius Jovaišas, Rūta Bieliauskienė, Natalia Yelahina, Barbara Charmas and Vladimir Turov	
<i>Water structure in fungi Amanita musscaria and their composite system with hydrocompacted nanosilica A-300 .....</i>	25
Andrzej Lewandowski and Katarzyna Szymczyk	
<i>A review on physicochemical measurements by headspace gas chromatography. Studies of vapour-liquid equilibria.....</i>	37
Olga E. Voronina, Maria L. Malysheva, Liudmyla V. Nosach, Eugenij F. Voronin, Vladimir M. Gun'ko, Barbara Charmas and Jadwiga Skubiszewska-Zięba	
<i>The role of free silanol groups of nanosilica surface on the interaction with poly(vinyl pyrrolidone) .....</i>	51
Krzysztof Nieszporek and Jolanta Nieszporek	
<i>Molecular dynamics simulation of an aqueous Na<sub>2</sub>SO<sub>4</sub> solution.....</i>	67
Malgorzata Gil, Małgorzata Kuklinska, Lidia Czyżewska, Grzegorz Wójcik and Paweł Mergo	
<i>Thermal and spectroscopic studies of polymer protective coatings used in optical fibers technology .....</i>	77