

CATEGORY	Page
1- Study on calculating kinetic parameters of mathematical model describing the adsorption process of a single fixed bed of N ₂ gas generator working by pressure swing adsorption (PSA) and using carbon molecular sieves CMS-240 <i>- Pham Van Chinh, Le Quang Tuan, Nguyen Tuan Hieu, Vu Dinh Tien</i>	1
2- Study on the synthesis of graphene/Fe ₂ O ₃ -TiO ₂ @porphyrin hybrid composite and its application as photocatalyst for dyeing wastewater treatment <i>- Truong Ngoc Tuan, Nguyen Thi Giang, Nguyen Thi Hoai Phuong Ho Phuong Hien, Nguyen Thi Hong Phuong, Tran Dai Lam, La Duc Duong</i>	8
3- Synthesis, characterization and evaluation catalytic ability of nano Pt/biochar for curcumin conversion <i>- Giang Thi Phuong Ly, Phan Thi Chuyen, Tran Thi Nhu Mai, Nguyen Quang Huy</i>	15
4- Novel Magnetically Hollowsphere Zn-Doped Magnetite for the Efficient Photo-Reduction of Cr(VI) <i>- Nguyen Xuan Sang, Nguyen Thi Hong Phuong, Vo Hoang Tung</i>	20
5- Metal-Organic Framework Fe ₃ O(BPDC) ₃ as an efficient catalyst for the oxidative coupling reaction of benzaldehyde and (E)-1-phenylethan-1-one O-acetyl oxime <i>- Doan Hoai Son, Van Thi Tram, Dang Huynh Giao, Le Thi Hong Nhan, Phan Thanh Son Nam</i>	25
6- A theoretical study on the CO ₂ methanation over Ni ₅ /AC catalysts by means of density functional theory. Part I: Adsorption and activation stages <i>- Van Thi Minh Hue, Phung Thi Lan, Nguyen Thi Thu Ha, Le Minh Cam, Nguyen Ngoc Ha</i>	33
7- Synthesis and application of reducing graphene oxide based nanocomposite materials to improve the solar thermal absorption efficiency for distilling saline water into fresh water <i>- Bui Thi Le Thuy</i>	39
8- Preparation of a new ionic liquid from cococnut oil for friction-reducing additive for lubricant <i>- Bui Thi Le Thuy, Truong Van Tu, Nguyen Thi Hong Phuong</i>	47
9- The catalytic performances of α-MnO ₂ and δ-MnO ₂ catalysts synthesized from KMnO ₄ and ethanol for total oxidation of isopropanol <i>- Nguyen Dinh Minh Tuan, Phan Thi Hang Nga</i>	53
10- Preparation of hydrogel calcium-alginate microparticles via microfluidic device for Cu ²⁺ treatment <i>- Dang Cu Trung, Le Ha Phuong, Hoang Thu Hong, Mac Thi Thu Mai, Tran Khac Vu, Ta Hong Duc, Dang Trung Dung</i>	60
11- Cu ₂ (BDC) ₂ DABCO as an efficient heterogeneous catalyst for the oxidative C-N coupling reaction between amides and unactivated alkanes <i>- To Anh Tuong, Nguyen Thi Thuy Trang, Nguyen Thai Anh, Phan Thanh Son Nam</i>	67
12- A theoretical study on the CO ₂ methanation over Ni ₅ /AC catalysts by means of density functional theory. Part II: Reaction pathways <i>- Van Thi Minh Hue, Phung Thi Lan, Nguyen Thi Thu Ha, Le Minh Cam, Nguyen Ngoc Ha</i>	73
13- Improving the catalytic activity of Au/SiO ₂ catalyst in the directly conversion of CO ₂ , C ₂ H ₄ and H ₂ using a new dual-reactor concept <i>- Truong Duc Duc, Nguyen Trung Huy, Le Minh Thang</i>	81
14- Catalytic activities for the complete oxidation of toluene over MnO ₂ , Co ₃ O ₄ and NiO catalysts <i>- Nguyen Dinh Minh Tuan, Phan Thi Hang Nga</i>	88
15- Study on MIL-100(Fe)/GNPs composite process to treat wastewater of dyes <i>- Nguyen Thi Hoai Phuong, Ha Thi Thanh Duong, Nguyen Viet Tung, La Duc Duong, Cao Hong Ha, Nguyen Thi Hong Phuong</i>	95
16- Study on synthesis of mesoporous carbon from MOF-199 metal-organic framework as potential adsorbent <i>- Duy Anh Nguyen, Duc Duong La, Ngoc Tuan Truong, Thanh Bac Le, Van Phuoc Mai, Tuan Anh Doan</i>	100
17- Synthesis of graphene aerogel materials by hydrothermal method without the use of reducing agents <i>- Phan Thi Chuyen, Vu Thi Thu Ha</i>	105
18- Electrocatalytic activity for dopamine of silver nanoparticle onto graphene/poly(1,8-diaminonaphthalene) electrodes <i>- Giap Van Hung, Nguyen Le Huy, Bui Thi Hong Van, Nguyen Tuan Dung, Nguyen Thi Tuyet Mai</i>	111
19- Effect of carbonization temperature on the lithium storage performances of porous Sb/C nanocomposit <i>- Le Thi Thu Hang, Nguyen Thi Thu Huyen, Hoang Thi Bich Thuy</i>	116
20- Preparation of zero valent iron nanomaterial via microfluidic device for Cr (VI) ion treatment <i>- Dang Trung Dung, Dang Cu Trung, Nguyen Thi Le, Luu Thi Hoan, Le Thi Thu Hang, Nguyen Xuan Truong, Nguyen Thi Thu Huyen, Nguyen Van Thu, La Duc Duong</i>	123