

**Списък с цитати на научни публикации**  
**д-р Свилен Симеонов**

Брой цитирани публикации – 17

Общ брой цитати - 661

1. S. Simeonov, V. Kurteva, R. Bontchev, One-pot solvent-free synthesis of symmetrical azines under microwave irradiation, *Bulgarian Chemical Communication*, **2008**, 40, 409- 417.

**Забелязани цитати – 1**

- (1) Jarczyk-Jedryka, A.; Bijak, K.; Sek, D.; Siwy, M.; Filapek, M.; Malecki, G.; Kula, S.; Lewinska, G.; Nowak, E.; M.; Sanetra, J.; Janeczek, H.; Smolarek, K.; Mackowski, S.; Schab-Balcerzak, E. Unsymmetrical and symmetrical azines toward application in organic photovoltaic, *Optical Materials*, **2015**, 39, 58-68.
2. L. Antonov, V. Deneva, S. Simeonov, V. Kurteva, D. Nedeltcheva, J. Wirz, Exploiting tautomerism for switching and signaling, *Angewandte Chemie - International Edition*, **2009**, 48, 7875-7878.

**Забелязани цитати – 18**

- (1) S. Abood Hameed, S. K. Alrouby, R. Hilal, *Journal of Molecular Modeling*, **2013**, 19, 559-569.
- (2) I. Alkorta, J. Elguero, *Structural Chemistry*, **2011**, 22, 707-715.
- (3) I. Alkorta, J. Elguero, P. L. A. Popelier, *Journal of Physical Organic Chemistry*, **2011**, 24, 744-750.
- (4) M. Cigáň, K. Jakusová, J. Donovalová, J. Filo, M. Horváth, A. Gáplovský, *Journal of Physical Organic Chemistry*, **2015**, 28, 337-346.
- (5) G. Cui, P. J. Guan, W. H. Fang, *Journal of Physical Chemistry A*, **2014**, 118, 4732-4739.
- (6) Y. Ding, X. Li, J. P. Hill, K. Ariga, H. Ågren, J. Andréasson, W. Zhu, H. Tian, Y. Xie, *Chemistry - A European Journal*, **2014**, 20, 12910-12916.
- (7) L. Duarte, B. M. Giuliano, I. Reva, R. Fausto, *Journal of Physical Chemistry A*, **2013**, 117, 10671-10680.
- (8) A. El-Amri, S. A. Elroby, O. Kühn, R. H. Hilal, *Journal of Theoretical and Computational Chemistry*, **2015**, 14, 1550033.
- (9) A. El-Amry, S. A. Elroby, O. Kühn, R. H. Hilal, *Journal of Theoretical and Computational Chemistry*, **2015**, 14, 1550016.
- (10) P. J. Guan, G. Cui, Q. Fang, *ChemPhysChem*, **2015**, 16, 805-811.
- (11) T. Irshaidat, *Journal of the Chemical Society of Pakistan*, **2015**, 36, 1071-1078.
- (12) M. Juribašić, N. Bregović, V. Stilinović, V. Tomišić, M. Cindrić, P. Šket, J. Plavec, M. Rubčić, K. Užarević, *Chemistry - A European Journal*, **2014**, 20, 17333-17345.
- (13) H. Y. Lee, X. Song, H. Park, M. H. Baik, D. Lee, *Journal of the American Chemical Society*, **2010**, 132, 12133-12144.
- (14) N. Sakai, H. Hori, Y. Yoshida, T. Konakahara, Y. Ogiwara, *Tetrahedron*, **2015**, 71, 4722-4729.
- (15) S. Steinwand, T. Halbritter, D. Rastädter, J. M. Ortiz-Sánchez, I. Burghardt, A. Heckel, J. Wachtveitl, *Chemistry - A European Journal*, **2015**, 21, 15720-15731.
- (16) M. Tian, H. Ihmels, *European Journal of Organic Chemistry*, **2011**, 4145-4153.
- (17) A. R. Todorov, M. Nieger, J. Helaja, *Chemistry - A European Journal*, **2012**, 18, 7269-7277.
- (18) B. B. Xie, C. X. Li, G. L. Cui, Q. Fang, *Chinese Journal of Chemical Physics*, **2016**, 29, 38-46.

3. L. Antonov, V. Kurteva, S. Simeonov, V. Deneva, A. Crochet, K. Fromm, Tautocrowns: A Concept For A Sensing Molecule With An Active Side-Arm, *Tetrahedron*, **2010**, 66, 4292-4297.

#### Забелязани цитати – 7

- (1) H. Maki, D. Kataoka, M. Mizuhata, *Journal of Physical Chemistry B*, **2015**, 119, 12289-12298.
  - (2) G. R. Newkome, Eight-membered and larger rings. In *Progress in Heterocyclic Chemistry*, 2011; Vol. 23, pp 505-524.
  - (3) M. Tian, H. Ihmels, *European Journal of Organic Chemistry*, **2011**, 4145-4153.
  - (4) A. R. Todorov, M. Nieger, J. Helaja, *Chemistry - A European Journal*, **2012**, 18, 7269-7277.
  - (5) E. Wagner-Wysiecka, M. Szarmach, J. Chojnacki, N. Łukasik, E. Luboch, *Journal of Photochemistry and Photobiology A: Chemistry*, **2017**, 333, 220-232.
  - (6) M. Zarei, A. Jarrahpour, *Iranian Journal of Science and Technology, Transaction A: Science*, **2011**, 35, 235-242.
  - (7) Q. Zhang, J. Xu, *Acta Chimica Sinica*, **2011**, 69, 2287-2292.
4. V. Kurteva, S. Simeonov, M. Stoilova-Disheva, Symmetrical acyclic aryl aldazines with antibacterial and antifungal activity, *Pharmacology & Pharmacy*, **2010**, 2, 63-71.

#### Забелязани цитати – 9

- (1) Bayrak, R.; Dumludağ, F.; Akçay, H.; T.; Değirmencioğlu, I., *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, **2013**, 105, 550-556.
  - (2) Pinto, J.; Silva, V. L. M.; Silva, A.; M. S.; Claramunt, R. M.; Sanz, D.; Torralba, M. C.; Torres, M. R.; Reviriego, F.; Alkorta, I.; Elguero, J., *Magnetic Resonance in Chemistry*, **2013**, 51, 203-221.
  - (3) Souza, A.; B.; Alencar, M. A.; R. C.; Cardoso, S.; H.; Valle, M. S.; Diniz, R.; Hickmann, J.; M., *Optical Materials*, **2013**, 35, 2535-2539.
  - (4) Jha, M.; Shelke, G. M.; Kumar, A., *European Journal of Organic Chemistry*, **2014**, 3334-3336.
  - (5) Arulmani, R.; Balachander, R.; Vijaya, P.; Sankaran, K. R., *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, **2015**, 138, 660-666.
  - (6) Emirik, M.; Karaoğlu, K.; Serbest, K.; Çoruh, U.; Vazquez Lopez, E.; M., *Polyhedron*, **2015**, 88, 182-189.
  - (7) Afsah, E. M.; Elmorsy, S. S.; Abdelmageed, S. M.; Zaki, Z. E., *Zeitschrift für Naturforschung B*, **2015**, 70b, 393-402.
  - (8) Rajewar, V. R.; Dharmale, M. K.; Pingalkar, S. R., *Asian Journal of Chemistry*, **2015**, 27, 2865-2868.
  - (9) Shridevi, D. D.; Ningaiah, S.; Kuduva, N. U.; Yhya, R. K.; Lokanatha Rai, K. M., *Synthetic Communications*, **2015**, 45, 2869-2875.
5. A. Rosatella, S. Simeonov, R. Frade, C. Afonso, 5-Hydroxymethylfurfural (HMF) a building block platform: Biological properties, Synthesis and synthetic applications, *Green Chemistry*, **2011**, 13, 754-793.

#### Забелязани цитати – 484

- (1) S. Abate, P. Lanzafame, S. Perathoner, G. Centi, *ChemSusChem*, **2015**, 8, 2854-2866.
- (2) N. D. Adhikary, S. Kwon, W. J. Chung, S. Koo, *Journal of Organic Chemistry*, **2015**, 80, 7693-7701.
- (3) H. Ait Rass, N. Essayem, M. Besson, *Green Chemistry*, **2013**, 15, 2240-2251.
- (4) H. Ait Rass, N. Essayem, M. Besson, *ChemSusChem*, **2015**, 8, 1206-1217.

- (5) S. Albonetti, A. Lolli, V. Morandi, A. Migliori, C. Lucarelli, F. Cavani, *Applied Catalysis B: Environmental*, **2015**, 163, 520-530.
- (6) S. Albonetti, T. Pasini, A. Lolli, M. Blosi, M. Piccinini, N. Dimitratos, J. A. Lopez-Sanchez, D. J. Morgan, A. F. Carley, G. J. Hutchings, F. Cavani, *Catalysis Today*, **2012**, 195, 120-126.
- (7) D. M. Alonso, S. G. Wettstein, J. A. Dumesic, *Chemical Society Reviews*, **2012**, 41, 8075-8098.
- (8) C. Antonetti, E. Bonari, D. Licursi, N. N. Di Nasso, A. M. R. Galletti, G. Cravotto, F. Chemat, *Molecules*, **2015**, 20, 21232-21353.
- (9) C. A. Antonyraj, J. Jeong, B. Kim, S. Shin, S. Kim, K. Y. Lee, J. K. Cho, *Journal of Industrial and Engineering Chemistry*, **2013**, 19, 1056-1059.
- (10) C. A. Antonyraj, B. Kim, Y. Kim, S. Shin, K. Y. Lee, I. Kim, J. K. Cho, *Catalysis Communications*, **2014**, 57, 64-68.
- (11) M. M. Antunes, P. A. Russo, P. V. Wiper, J. M. Veiga, M. Pillinger, L. Mafra, D. V. Evtuguin, N. Pinna, A. A. Valente, *ChemSusChem*, **2014**, 7, 804-812.
- (12) L. Ardemani, G. Cibir, A. J. Dent, M. A. Isaacs, G. Kyriakou, A. F. Lee, C. M. A. Parlett, S. A. Parry, K. Wilson, *Chemical Science*, **2015**, 6, 4940-4945.
- (13) I. W. C. E. Arends, Chemistry of Biofuels and Biofuel Additives from Biomass. In *Biomass as a Sustainable Energy Source for the Future: Fundamentals of Conversion Processes*, 2014; 547-570.
- (14) K. S. Arias, S. I. Al-Resayes, M. J. Climent, A. Corma, S. Iborra, *ChemSusChem*, **2013**, 6, 123-131.
- (15) K. S. Arias, M. J. Climent, A. Corma, S. Iborra, *ChemSusChem*, **2014**, 7, 210-220.
- (16) K. S. Arias, M. J. Climent, A. Corma, S. Iborra, *Energy and Environmental Science*, **2015**, 8, 317-331.
- (17) K. S. Arias, M. J. Climent, A. Corma, S. Iborra, *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 6152-6159.
- (18) K. S. Arias, M. J. Climent, A. Corma, S. Iborra, *Topics in Catalysis*, **2016**, 59, 1257-1265.
- (19) H. Arida, R. Hassan, A. El-Naggar, *Analytical Letters*, **2012**, 45, 1526-1536.
- (20) J. Artz, S. Mallmann, R. Palkovits, *ChemSusChem*, **2015**, 8, 772-789.
- (21) J. Artz, R. Palkovits, *ChemSusChem*, **2015**, 8, 3832-3838.
- (22) A. A. Assanosi, M. M. Farah, J. Wood, B. Al-Duri, *RSC Advances*, **2014**, 4, 39359-39364.
- (23) C. Asta, J. Conrad, S. Mika, U. Beifuss, *Green Chemistry*, **2011**, 13, 3066-3069.
- (24) L. Atanda, M. Konarova, Q. Ma, S. Mukundan, A. Shrotri, J. Beltramini, *Catalysis Science and Technology*, **2016**, 6, 6257-6266.
- (25) M. Balakrishnan, E. R. Sacia, A. T. Bell, *ChemSusChem*, **2014**, 7, 1078-1085.
- (26) T. Barclay, M. Ginic-Markovic, P. D. Cooper, N. Petrovsky, *Journal of Excipients and Food Chemicals*, **2012**, 3, 67-82.
- (27) K. Beckerle, J. Okuda, *Journal of Molecular Catalysis A: Chemical*, **2012**, 356, 158-164.
- (28) M. Besson, P. Gallezot, C. Pinel, *Chemical Reviews*, **2014**, 114, 1827-1870.
- (29) A. Bhalkikar, Z. C. Gernhart, C. L. Cheung, *Journal of Nanomaterials*, **2015**, 2015,
- (30) P. Bhaumik, A. K. Deepa, T. Kane, P. L. Dhepe, *Journal of Chemical Sciences*, **2014**, 126, 373-385.
- (31) P. Bhaumik, P. L. Dhepe, *Catalysis Reviews - Science and Engineering*, **2016**, 58, 36-112.
- (32) L. Bing, Z. Zhang, K. Deng, *Industrial and Engineering Chemistry Research*, **2012**, 51, 15331-15336.
- (33) N. T. Binh, C. N. Chau, L. T. Son, N. T. N. Quynh, *International Journal of Chemical Sciences*, **2016**, 14, 704-710.
- (34) L. C. Blumenthal, C. M. Jens, J. Ulbrich, F. Schwering, V. Langrehr, T. Turek, U. Kunz, K. Leonhard, R. Palkovits, *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 228-235.
- (35) A. Bougarech, M. Abid, F. Gouanvé, E. Espuche, S. Abid, R. El Gharbi, E. Fleury, *Polymer (United Kingdom)*, **2013**, 54, 5482-5489.
- (36) A. Bredihhin, S. Luiga, L. Vares, *Synthesis (Germany)*, **2016**, 48, 4181-4188.
- (37) A. Bredihhin, U. Mäeorg, L. Vares, *Carbohydrate Research*, **2013**, 375, 63-67.

- (38) V. L. Budarin, J. H. Clark, J. Henschen, T. J. Farmer, D. J. Macquarrie, M. Mascal, G. K. Nagaraja, T. H. M. Petchey, *ChemSusChem*, **2015**, 8, 4172-4179.
- (39) A. Bulut, S. Karagöz, *The Scientific World Journal*, **2013**, 2013,
- (40) G. Busca, *Heterogeneous Catalytic Materials: Solid State Chemistry, Surface Chemistry and Catalytic Behaviour*. 2014; 1-463.
- (41) B. R. Caes, R. E. Teixeira, K. G. Knapp, R. T. Raines, *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 2591-2605.
- (42) D. Cambié, C. Bottecchia, N. J. W. Straathof, V. Hessel, T. Noël, *Chemical Reviews*, **2016**, 116, 10276-10341.
- (43) F. Cao, T. J. Schwartz, D. J. McClelland, S. H. Krishna, J. A. Dumesic, G. W. Huber, *Energy and Environmental Science*, **2015**, 8, 1808-1815.
- (44) Q. Cao, X. Guo, J. Guan, X. Mu, D. Zhang, *Applied Catalysis A: General*, **2011**, 403, 98-103.
- (45) Q. Cao, W. Liang, J. Guan, L. Wang, Q. Qu, X. Zhang, X. Wang, X. Mu, *Applied Catalysis A: General*, **2014**, 481, 49-53.
- (46) X. Cao, S. P. Teong, D. Wu, G. Yi, H. Su, Y. Zhang, *Green Chemistry*, **2015**, 17, 2348-2352.
- (47) J. Carro, P. Ferreira, L. Rodríguez, A. Prieto, A. Serrano, B. Balcells, A. Ardá, J. Jiménez-Barbero, A. Gutiérrez, R. Ullrich, M. Hofrichter, A. T. Martínez, *FEBS Journal*, **2015**, 282, 3218-3229.
- (48) F. Cavani In *The selectivity and the sustainability issues meet in modern oxidation catalysis: The synthesis of carboxylic acids*, DGMK Tagungsbericht, 2014; 77-86.
- (49) J. Čejka, G. Centi, J. Perez-Pariente, W. J. Roth, *Catalysis Today*, **2012**, 179, 2-15.
- (50) H. G. Cha, K. S. Choi, *Nature Chemistry*, **2015**, 7, 328-333.
- (51) D. J. Chadderton, L. Xin, J. Qi, Y. Qiu, P. Krishna, K. L. More, W. Li, *Green Chemistry*, **2014**, 16, 3778-3786.
- (52) P. N. Chalikidi, T. A. Nevolina, M. G. Uchuskin, V. T. Abaev, A. V. Butin, *Chemistry of Heterocyclic Compounds*, **2015**, 51, 621-629.
- (53) M. Chatterjee, T. Ishizaka, H. Kawanami, *Green Chemistry*, **2014**, 16, 1543-1551.
- (54) P. Che, F. Lu, J. Zhang, Y. Huang, X. Nie, J. Gao, J. Xu, *Bioresource Technology*, **2012**, 119, 433-436.
- (55) H. Chen, J. Zhou, J. Mao, J. Yin, S. Li, *RSC Advances*, **2016**, 6, 101485-101491.
- (56) J. Chen, Y. Guo, J. Chen, L. Song, L. Chen, *ChemCatChem*, **2014**, 6, 3174-3181.
- (57) J. Chen, K. Li, L. Chen, R. Liu, X. Huang, D. Ye, *Green Chemistry*, **2014**, 16, 2490-2499.
- (58) J. Chen, R. Liu, Y. Guo, L. Chen, H. Gao, *ACS Catalysis*, **2015**, 5, 722-733.
- (59) J. Chen, G. Zhao, L. Chen, *RSC Advances*, **2014**, 4, 4194-4202.
- (60) J. Chen, J. Zhong, Y. Guo, L. Chen, *RSC Advances*, **2015**, 5, 5933-5940.
- (61) J. Cheng, M. Zhu, C. Wang, J. Li, X. Jiang, Y. Wei, W. Tang, D. Xue, J. Xiao, *Chemical Science*, **2016**, 7, 4428-4434.
- (62) A. Chinnappan, C. Baskar, H. Kim, *RSC Advances*, **2016**, 6, 63991-64002.
- (63) A. Chinnappan, A. H. Jadhav, W. J. Chung, H. Kim, *Industrial Crops and Products*, **2015**, 76, 12-17.
- (64) A. Chinnappan, A. H. Jadhav, H. Kim, W. J. Chung, *Chemical Engineering Journal*, **2014**, 237, 95-100.
- (65) J. M. Choi, S. S. Han, H. S. Kim, *Biotechnology Advances*, **2015**, 33, 1443-1454.
- (66) M. J. Climent, A. Corma, S. Iborra, *Green Chemistry*, **2014**, 16, 516-547.
- (67) H. Cruz, M. Fanselow, J. D. Holbrey, K. R. Seddon, *Chemical Communications*, **2012**, 48, 5620-5622.
- (68) M. S. Cui, J. Deng, X. L. Li, Y. Fu, *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 1707-1714.
- (69) V. da Silva Lacerda, J. B. López-Sotelo, A. Correa-Guimarães, S. Hernández-Navarro, M. Sánchez-Bascones, L. M. Navas-Gracia, P. Martín-Ramos, E. Pérez-Lebeña, J. Martín-Gil, *Bioresource Technology*, **2015**, 180, 88-96.

- (70) F. D'Anna, S. Marullo, P. Vitale, C. Rizzo, P. Lo Meo, R. Noto, *Applied Catalysis A: General*, **2014**, 482, 287-293.
- (71) B. Danon, G. Marcotullio, W. De Jong, *Green Chemistry*, **2014**, 16, 39-54.
- (72) P. Y. Dapsens, C. Mondelli, J. Pérez-Ramírez, *ACS Catalysis*, **2012**, 2, 1487-1499.
- (73) E. De Jong, M. A. Dam, L. Sipos, G. J. M. Gruter, Furandicarboxylic acid (FDCA), A versatile building block for a very interesting class of polyesters. In *ACS Symposium Series*, **2012**; 1-13.
- (74) S. De, J. Zhang, R. Luque, N. Yan, *Energy and Environmental Science*, **2016**, 9, 3314-3347.
- (75) I. Delidovich, P. J. C. Hausoul, L. Deng, R. Pfützenreuter, M. Rose, R. Palkovits, *Chemical Reviews*, **2016**, 116, 1540-1599.
- (76) I. Delidovich, K. Leonhard, R. Palkovits, *Energy and Environmental Science*, **2014**, 7, 2803-2830.
- (77) I. Delidovich, R. Palkovits, *Catalysis Science and Technology*, **2014**, 4, 4322-4329.
- (78) I. Delidovich, R. Palkovits, *ChemSusChem*, **2016**, 9, 547-561.
- (79) A. Démolis, N. Essayem, F. Rataboul, *ACS Sustainable Chemistry and Engineering*, **2014**, 2, 1338-1352.
- (80) J. Deng, T. Pan, Q. Xu, M. Y. Chen, Y. Zhang, Q. X. Guo, Y. Fu, *Scientific Reports*, **2013**, 3, 1244
- (81) S. Despax, B. Estrine, N. Hoffmann, J. Le Bras, S. Marinkovic, J. Muzart, *Catalysis Communications*, **2013**, 39, 35-38.
- (82) C. Detoni, C. H. Gierlich, M. Rose, R. Palkovits, *ACS Sustainable Chemistry and Engineering*, **2014**, 2, 2407-2415.
- (83) N. T. do Prado, T. E. Souza, A. R. T. Machado, P. P. Souza, R. S. Monteiro, L. C. A. Oliveira, *Journal of Molecular Catalysis A: Chemical*, **2016**, 422, 23-34.
- (84) P. DomínguezdeMaría, *ChemCatChem*, **2013**, 5, 1643-1648.
- (85) J. Donnelly, C. R. Müller, L. Wiermans, C. J. Chuck, P. Domínguez De María, *Green Chemistry*, **2015**, 17, 2714-2718.
- (86) A. B. Dros, O. Larue, A. Reimond, F. De Campo, M. Pera-Titus, *Green Chemistry*, **2015**, 17, 4760-4772.
- (87) E. F. Dunn, D. Liu, E. Y. X. Chen, *Applied Catalysis A: General*, **2013**, 460-461, 1-7.
- (88) M. Dusselier, M. Mascal, B. F. Sels, Top chemical opportunities from carbohydrate biomass: A chemist's view of the biorefinery. In *Topics in Current Chemistry*, 2014; Vol. 353, 1-40.
- (89) M. Dusselier, P. Van Wouwe, A. Dewaele, E. Makshina, B. F. Sels, *Energy and Environmental Science*, **2013**, 6, 1415-1442.
- (90) M. Dusselier, P. Van Wouwe, A. Dewaele, E. Makshina, B. F. Sels, *Energy and Environmental Science*, **2013**, 6, 1415-1442.
- (91) S. Dutta, S. De, M. I. Alam, M. M. Abu-Omar, B. Saha, *Journal of Catalysis*, **2012**, 288, 8-15.
- (92) S. Dutta, S. De, A. K. Patra, M. Sasidharan, A. Bhaumik, B. Saha, *Applied Catalysis A: General*, **2011**, 409-410, 133-139.
- (93) S. Dutta, S. De, B. Saha, *ChemPlusChem*, **2012**, 77, 259-272.
- (94) S. Dutta, M. Mascal, *ChemSusChem*, **2014**, 7, 3028-3030.
- (95) A. J. J. E. Eerhart, A. P. C. Faaij, M. K. Patel, *Energy and Environmental Science*, **2012**, 5, 6407-6422.
- (96) M. A. Elmoulsy, A. Emara, O. S. M. Abu-Elyazeed In *Conversion of glucose into 5-hydroxymethylfurfural in DMSO as single organic solvent*, ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE), 2014.
- (97) S. Eminov, A. Brandt, J. D. E. T. Wilton-Ely, J. P. Hallett, *PLoS ONE*, **2016**, 11,
- (98) S. Eminov, J. D. E. T. Wilton-Ely, J. P. Hallett, *ACS Sustainable Chemistry and Engineering*, **2014**, 2, 978-981.
- (99) V. Escande, T. K. Olszewski, E. Petit, C. Grison, *ChemSusChem*, **2014**, 7, 1915-1923.
- (100) V. Escande, B. L. Renard, C. Grison, *Environmental Science and Pollution Research*, **2015**, 22, 5633-5652.

- (101) Z. Fang, B. Liu, J. Luo, Y. Ren, Z. Zhang, *Biomass and Bioenergy*, **2014**, 60, 171-177.
- (102) G. Flores, M. L. R. del Castillo, *Cancers*, **2016**, 8,
- (103) K. I. Galkin, E. A. Krivodaeva, L. V. Romashov, S. S. Zalesskiy, V. V. Kachala, J. V. Burykina, V. P. Ananikov, *Angewandte Chemie - International Edition*, **2016**, 55, 8338-8342.
- (104) P. Gallezot, Metal Catalysts for the Conversion of Biomass to Chemicals. In *New and Future Developments in Catalysis: Catalytic Biomass Conversion*, 2013; pp 1-27.
- (105) A. Gandini, M. N. Belgacem, Furans. In *Handbook of Thermoset Plastics*, 2013; 93-110.
- (106) H. F. Gao, X. S. Wen, C. J. Xian, *African Journal of Traditional, Complementary and Alternative Medicines*, **2015**, 12, 43-54.
- (107) W. Gao, Y. Li, Z. Xiang, K. Chen, R. Yang, D. S. Argyropoulos, *Molecules*, **2013**, 18, 7675-7685.
- (108) W. Gao, Y. Li, Z. Xiang, K. Chen, R. Yang, D. S. Argyropoulos, *Molecules*, **2014**, 19, 1370-1374.
- (109) L. Ge, Y. Song, C. Huang, X. Wang, Y. Li, S. Li, *Beijing Huagong Daxue Xuebao (Ziran Kexueban)/Journal of Beijing University of Chemical Technology (Natural Science Edition)*, **2014**, 41, 9-13.
- (110) W. Ge, J. H. Zhang, C. M. Pedersen, T. Zhao, F. Yue, C. Chen, P. Wang, Y. Wang, Y. Qiao, *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 1193-1200.
- (111) Z. Ge, W. Tian, K. Zhang, M. Chen, S. Qin, X. Chen, W. Liu, *Applied Engineering in Agriculture*, **2016**, 32, 661-667.
- (112) H. P. L. Gemoets, Y. Su, M. Shang, V. Hessel, R. Luque, T. Noël, *Chemical Society Reviews*, **2016**, 45, 83-117.
- (113) W. Ghezali, K. De Oliveira Vigier, R. Kessas, F. Jérôme, *Green Chemistry*, **2015**, 17, 4459-4464.
- (114) K. Ghosh, R. A. Molla, M. A. Iqbal, S. S. Islam, S. M. Islam, *Applied Catalysis A: General*, **2016**, 520, 44-52.
- (115) F. N. D. C. Gomes, L. R. Pereira, N. F. P. Ribeiro, M. M. V. M. Souza, *Brazilian Journal of Chemical Engineering*, **2015**, 32, 119-126.
- (116) L. H. Gong, Y. Y. Cai, X. H. Li, Y. N. Zhang, J. Su, J. S. Chen, *Green Chemistry*, **2014**, 16, 3746-3751.
- (117) R. R. Gonzales, Y. Hong, J. H. Park, G. Kumar, S. H. Kim, *Journal of Chemical Technology and Biotechnology*, **2016**, 91, 1157-1163.
- (118) P. M. Grande, C. Bergs, P. Domíngue De María, *ChemSusChem*, **2012**, 5, 1203-1206.
- (119) X. Guo, Y. Yan, Y. Zhang, Y. Tang, *Progress in Chemistry*, **2013**, 25, 1915-1927.
- (120) Y. Guo, J. Chen, *ChemPlusChem*, **2015**, 80, 1760-1768.
- (121) Y. Guo, J. Chen, *RSC Advances*, **2016**, 6, 101968-101973.
- (122) T. S. Hansen, K. Barta, P. T. Anastas, P. C. Ford, A. Riisager, *Green Chemistry*, **2012**, 14, 2457-2461.
- (123) M. Hara, K. Nakajima, K. Kamata, *Science and Technology of Advanced Materials*, **2015**, 16,
- (124) H. Hattori, Y. Ono, *Solid acid catalysis: From fundamentals to applications*. 2014; 1-514.
- (125) J. He, Y. Zhang, E. Y. X. Chen, *ChemSusChem*, **2013**, 6, 61-64.
- (126) M. He, Y. Sun, B. Han, *Angewandte Chemie - International Edition*, **2013**, 52, 9620-9633.
- (127) M. F. He, H. Q. Fu, B. F. Su, H. Q. Yang, J. Q. Tang, C. W. Hu, *Journal of Physical Chemistry B*, **2014**, 118, 13890-13902.
- (128) Y. He, J. Feng, G. L. Brett, Y. Liu, P. J. Miedziak, J. K. Edwards, D. W. Knight, D. Li, G. J. Hutchings, *ChemSusChem*, **2015**, 8, 3314-3322.
- (129) A. Herbst, C. Janiak, *New Journal of Chemistry*, **2016**, 40, 7958-7967.
- (130) T. S. A. Heugebaert, C. V. Stevens, C. O. Kappe, *ChemSusChem*, **2015**, 8, 1648-1651.
- (131) Y. Hiraga, A. Hayasaka, Y. Sato, M. Watanabe, R. L. Smith Jr, *Journal of Supercritical Fluids*, **2013**, 79, 32-40.

- (132) L. Hu, Y. Sun, L. Lin, S. Liu, *Journal of the Taiwan Institute of Chemical Engineers*, **2012**, 43, 718-723.
- (133) L. Hu, G. Zhao, W. Hao, X. Tang, Y. Sun, L. Lin, S. Liu, *RSC Advances*, **2012**, 2, 11184-11206.
- (134) L. Hu, G. Zhao, X. Tang, Z. Wu, J. Xu, L. Lin, S. Liu, *Bioresource Technology*, **2013**, 148, 501-507.
- (135) X. Hu, S. Jiang, S. Kadarwati, D. Dong, C. Z. Li, *RSC Advances*, **2016**, 6, 40489-40501.
- (136) X. Hu, S. Kadarwati, S. Wang, Y. Song, M. D. M. Hasan, C. Z. Li, *Fuel Processing Technology*, **2015**, 137, 212-219.
- (137) X. Hu, Y. Wang, D. Mourant, R. Gunawan, C. Lievens, W. Chaiwat, M. Gholizadeh, L. Wu, X. Li, C. Z. Li, *AIChE Journal*, **2013**, 59, 888-900.
- (138) Z. Hu, B. Liu, Z. Zhang, L. Chen, *Industrial Crops and Products*, **2013**, 50, 264-269.
- (139) P. Huang, A. Gu, J. Wang, *Research on Chemical Intermediates*, **2014**, 41, 5311-5321.
- (140) Y. Huang, P. Y. Chao, T. Y. Cheng, Y. Ho, C. T. Lin, H. Y. Hsu, J. J. Wong, T. C. Tsai, *Chemical Engineering Journal*, **2016**, 283, 778-788.
- (141) Y. B. Huang, M. Y. Chen, L. Yan, Q. X. Guo, Y. Fu, *ChemSusChem*, **2014**, 7, 1068-1072.
- (142) Y. B. Huang, J. J. Dai, X. J. Deng, Y. C. Qu, Q. X. Guo, Y. Fu, *ChemSusChem*, **2011**, 4, 1578-1581.
- (143) Y. B. Huang, Z. Yang, M. Y. Chen, J. J. Dai, Q. X. Guo, Y. Fu, *ChemSusChem*, **2013**, 6, 1348-1351.
- (144) Y. B. Huang, Z. Yang, J. J. Dai, Q. X. Guo, Y. Fu, *RSC Advances*, **2012**, 2, 11211-11214.
- (145) Z. Huang, Y. Pan, Y. Chao, W. Shen, C. Wang, H. Xu, *RSC Advances*, **2014**, 4, 13434-13437.
- (146) Z. Huang, Y. Pan, J. Guo, Y. Chao, W. Shen, C. Wang, H. Xu, *RSC Advances*, **2016**, 6, 48694-48698.
- (147) T. Ikezaki, R. Matsuoka, K. Hatanaka, N. Yoshie, *Journal of Polymer Science, Part A: Polymer Chemistry*, **2014**, 52, 216-222.
- (148) M. Imteyaz Alam, S. De, S. Dutta, B. Saha, *RSC Advances*, **2012**, 2, 6890-6896.
- (149) S. Iqbal, X. Liu, O. F. Aldosari, P. J. Miedziak, J. K. Edwards, G. L. Brett, A. Akram, G. M. King, T. E. Davies, D. J. Morgan, D. K. Knight, G. J. Hutchings, *Catalysis Science and Technology*, **2014**, 4, 2280-2286.
- (150) A. Iriondo, A. Mendiguren, M. B. Güemez, J. Reques, J. F. Cambra, *Catalysis Today*, **2017**, 279, 286-295.
- (151) A. H. Jadhav, H. Kim, I. T. Hwang, *Catalysis Communications*, **2012**, 21, 96-103.
- (152) A. Jain, A. M. Shore, S. C. Jonnalagadda, K. V. Ramanujachary, A. Mugweru, *Applied Catalysis A: General*, **2015**, 489, 72-76.
- (153) G. W. Jang, J. J. Wong, Y. T. Huang, C. L. Li, CHAPTER 7: Synthesis of HMF in ionic liquids: Biomass-derived products. In *RSC Green Chemistry*, 2016; Vol. 2016-January, 202-226.
- (154) P.-M. Javier, A.-L. Irene, T. López, J. G. Fernández-Bolaños, *Chemical Engineering Science*, **2014**, 109, 244-250.
- (155) J. Jeong, C. A. Antonyraj, S. Shin, S. Kim, B. Kim, K. Y. Lee, J. K. Cho, *Journal of Industrial and Engineering Chemistry*, **2013**, 19, 1106-1111.
- (156) F. Ji, H. Peng, X. Zhang, W. Lu, S. Liu, H. Jiang, B. Liu, B. Yin, *Journal of Organic Chemistry*, **2015**, 80, 2092-2102.
- (157) S. Jia, Z. Xu, Z. Zhang, *Chemical Engineering Journal*, **2014**, 254, 333-339.
- (158) X. Jia, J. Ma, P. Che, F. Lu, H. Miao, J. Gao, J. Xu, *Journal of Energy Chemistry*, **2013**, 22, 93-97.
- (159) N. Jiang, W. Qi, R. Huang, M. Wang, R. Su, Z. He, *Journal of Chemical Technology and Biotechnology*, **2014**, 89, 56-64.
- (160) H. Jin, Y. Li, X. Liu, Y. Ban, Y. Peng, W. Jiao, W. Yang, *Chemical Engineering Science*, **2015**, 124, 170-178.

- (161) B. Karimi, H. M. Mirzaei, H. Behzadnia, H. Vali, *ACS Applied Materials and Interfaces*, **2015**, 7, 19050-19059.
- (162) A. S. Kashin, K. I. Galkin, E. A. Khokhlova, V. P. Ananikov, *Angewandte Chemie - International Edition*, **2016**, 55, 2161-2166.
- (163) H. Kayser, C. R. Müller, C. A. García-González, I. Smirnova, W. Leitner, P. Domínguez De María, *Applied Catalysis A: General*, **2012**, 445-446, 180-186.
- (164) L. L. Khemchyan, E. A. Khokhlova, M. M. Seitkalieva, V. P. Ananikov, *ChemistryOpen*, **2013**, 2, 208-214.
- (165) E. A. Khokhlova, V. V. Kachala, V. P. Ananikov, *ChemSusChem*, **2012**, 5, 783-789.
- (166) H. Kimura, M. Hirayama, K. Yoshida, Y. Uosaki, M. Nakahara, *Journal of Physical Chemistry A*, **2014**, 118, 1309-1319.
- (167) E. Killıç, S. Yılmaz, *Industrial and Engineering Chemistry Research*, **2015**, 54, 5220-5225.
- (168) H. Kobayashi, A. Fukuoka, Current Catalytic Processes for Biomass Conversion. In *New and Future Developments in Catalysis: Catalytic Biomass Conversion*, 2013; 29-52.
- (169) H. Kobayashi, A. Fukuoka, *Green Chemistry*, **2013**, 15, 1740-1763.
- (170) H. Kobayashi, M. Yabushita, J. Y. Hasegawa, A. Fukuoka, *Journal of Physical Chemistry C*, **2015**, 119, 20993-20999.
- (171) A. Koriakin, H. V. Nguyen, D. W. Kim, C. H. Lee, *Industrial and Engineering Chemistry Research*, **2015**, 54, 5184-5194.
- (172) R. Kourieh, V. Rakic, S. Bennici, A. Auroux, *Catalysis Communications*, **2013**, 30, 5-13.
- (173) G. A. Kraus, T. Guney, *Green Chemistry*, **2012**, 14, 1593-1596.
- (174) H. T. Kreissl, K. Nakagawa, Y. K. Peng, Y. Koito, J. Zheng, S. C. E. Tsang, *Journal of Catalysis*, **2016**, 338, 329-339.
- (175) M. Krystof, M. Pérez-Sánchez, P. D. De María, *ChemSusChem*, **2013**, 6, 826-830.
- (176) M. Krystof, M. Pérez-Sánchez, P. Domínguez De María, *ChemSusChem*, **2013**, 6, 630-634.
- (177) D. Kubička, O. Kikhtyanin, *Catalysis Today*, **2015**, 243, 10-22.
- (178) D. Kubička, I. Kubičková, J. Čejka, *Catalysis Reviews - Science and Engineering*, **2013**, 55, 1-78.
- (179) A. J. Kumalaputri, G. Bottari, P. M. Erne, H. J. Heeres, K. Barta, *ChemSusChem*, **2014**, 7, 2266-2275.
- (180) A. J. Kunov-Kruse, A. Riisager, S. Saravanamurugan, R. W. Berg, S. B. Kristensen, R. Fehrmann, *Green Chemistry*, **2013**, 15, 2843-2848.
- (181) Y. Kwon, E. De Jong, S. Raoufmoghaddam, M. T. M. Koper, *ChemSusChem*, **2013**, 6, 1659-1667.
- (182) B. Lai, Y. Zhao, L. F. Yan, *Chinese Journal of Chemical Physics*, **2013**, 26, 355-360.
- (183) L. Lai, Y. Zhang, *ChemSusChem*, **2011**, 4, 1745-1748.
- (184) D. R. Lane, M. Mascal, P. Stroeve, *Renewable Energy*, **2016**, 85, 994-1001.
- (185) P. Lanzafame, K. Barbera, S. Perathoner, G. Centi, A. Aloise, M. Migliori, A. MacArio, J. B. Nagy, G. Giordano, *Journal of Catalysis*, **2015**, 330, 558-568.
- (186) P. Lanzafame, G. Centi, S. Perathoner, *Catalysis Today*, **2014**, 234, 2-12.
- (187) C. Laugel, B. Estrine, J. Le Bras, N. Hoffmann, S. Marinkovic, J. Muzart, *ChemCatChem*, **2014**, 6, 1195-1198.
- (188) G. Lee, Y. Jeong, A. Takagaki, J. C. Jung, *Journal of Molecular Catalysis A: Chemical*, **2014**, 393, 289-295.
- (189) Y. Lee, Q. Gao, E. Kim, Y. Lee, S. J. Park, H. E. Lee, D. S. Jang, J. H. Ryu, *Pharmacology Biochemistry and Behavior*, **2015**, 134, 57-64.
- (190) Y. Y. Lee, K. C. W. Wu, *Physical Chemistry Chemical Physics*, **2012**, 14, 13914-13917.
- (191) C. Li, A. Wang, T. Zhang, *Huagong Xuebao/CIESC Journal*, **2013**, 64, 182-197.
- (192) H. Li, Z. Fang, R. L. Smith, S. Yang, *Progress in Energy and Combustion Science*, **2016**, 55, 98-194.
- (193) H. Li, Q. Zhang, P. S. Bhadury, S. Yang, *Current Organic Chemistry*, **2014**, 18, 547-597.



- (194) H. Li, Q. Zhang, A. Riisager, S. Yang, *Current Nanoscience*, **2015**, 11, 1-14.
- (195) J. Li, H. Peng, F. Wang, X. Wang, H. Jiang, B. Yin, *Organic Letters*, **2016**, 18, 3226-3229.
- (196) S. Li, K. Su, Z. Li, B. Cheng, *Green Chemistry*, **2016**, 18, 2122-2128.
- (197) X. Li, Q. Xia, V. C. Nguyen, K. Peng, X. Liu, N. Essayem, Y. Wang, *Catalysis Science and Technology*, **2016**, 6, 7586-7596.
- (198) Y. Li, H. Liu, C. Song, X. Gu, H. Li, W. Zhu, S. Yin, C. Han, *Bioresource Technology*, **2013**, 133, 347-353.
- (199) Y. P. Li, M. Head-Gordon, A. T. Bell, *ACS Catalysis*, **2014**, 4, 1537-1545.
- (200) S. Lima, M. M. Antunes, M. Pillinger, A. A. Valente, *ChemCatChem*, **2011**, 3, 1686-1706.
- (201) A. Liu, B. Liu, Y. Wang, R. Ren, Z. Zhang, *Fuel*, **2014**, 117, 68-73.
- (202) A. Liu, Z. Zhang, Z. Fang, B. Liu, K. Huang, *Journal of Industrial and Engineering Chemistry*, **2014**, 20, 1977-1984.
- (203) B. Liu, C. Ba, M. Jin, Z. Zhang, *Industrial Crops and Products*, **2015**, 76, 781-786.
- (204) B. Liu, Z. Zhang, *RSC Advances*, **2013**, 3, 12313-12319.
- (205) B. Liu, Z. Zhang, *ACS Catalysis*, **2016**, 6, 326-338.
- (206) B. Liu, Z. Zhang, *ChemSusChem*, **2016**, 9, 2015-2036.
- (207) B. Liu, Z. Zhang, K. Huang, *Cellulose*, **2013**, 20, 2081-2089.
- (208) B. Liu, Z. Zhang, K. Huang, Z. Fang, *Fuel*, **2013**, 113, 625-631.
- (209) B. Liu, Z. Zhang, Z. K. Zhao, *Chemical Engineering Journal*, **2013**, 215-216, 517-521.
- (210) D. Liu, E. Y. X. Chen, *ChemSusChem*, **2013**, 6, 2236-2239.
- (211) D. Liu, E. Y. X. Chen, *ACS Catalysis*, **2014**, 4, 1302-1310.
- (212) D. Liu, E. Y. X. Chen, *Green Chemistry*, **2014**, 16, 964-981.
- (213) D. Liu, Y. Zhang, E. Y. X. Chen, *Green Chemistry*, **2012**, 14, 2738-2746.
- (214) D. D. J. Liu, E. Y. X. Chen, *Biomass and Bioenergy*, **2013**, 48, 181-190.
- (215) F. Liu, M. Audemar, K. De Oliveira Vigier, D. Cartigny, J. M. Clacens, M. F. C. Gomes, A. A. H. Pádua, F. De Campo, F. Jérôme, *Green Chemistry*, **2013**, 15, 3205-3213.
- (216) F. Liu, J. Barrault, K. De Oliveira Vigier, F. Jérôme, *ChemSusChem*, **2012**, 5, 1223-1226.
- (217) G. Liu, J. Wu, I. Y. Zhang, Z. N. Chen, Y. W. Li, X. Xu, *Journal of Physical Chemistry A*, **2011**, 115, 13628-13641.
- (218) H. Liu, X. Liu, L. Liu, X. Zhang, C. Li, *RSC Advances*, **2015**, 5, 11831-11836.
- (219) J. Liu, H. Peng, Y. Yang, H. Jiang, B. Yin, *Journal of Organic Chemistry*, **2016**, 81, 9695-9706.
- (220) J. Liu, X. Xu, J. Li, B. Liu, H. Jiang, B. Yin, *Chemical Communications*, **2016**, 52, 9550-9553.
- (221) Q. Liu, F. Yang, H. Yin, Y. Du, *RSC Advances*, **2016**, 6, 49760-49763.
- (222) R. Liu, J. Chen, X. Huang, L. Chen, L. Ma, X. Li, *Green Chemistry*, **2013**, 15, 2895-2903.
- (223) W. Liu, Y. Hou, W. Wu, Z. Liu, Q. Liu, S. Tian, K. N. Marsh, *Industrial and Engineering Chemistry Research*, **2012**, 51, 15503-15508.
- (224) W. Liu, F. Richard Zheng, J. Li, A. Cooper, *AIChE Journal*, **2014**, 60, 300-314.
- (225) X. Liu, H. Wang, L. Wei, J. Liu, R. D. Reitz, M. Yao, *Combustion and Flame*, **2016**, 165, 453-465.
- (226) X. Liu, Q. Xu, J. Liu, D. Yin, S. Su, H. Ding, *Fuel*, **2016**, 164, 46-50.
- (227) Y. Liu, Z. Li, Y. Yang, Y. Hou, Z. Wei, *RSC Advances*, **2014**, 4, 42035-42038.
- (228) C. Loerbroks, J. Van Rijn, M. P. Ruby, Q. Tong, F. Schüth, W. Thiel, *Chemistry - A European Journal*, **2014**, 20, 12298-12309.
- (229) A. Lolli, S. Albonetti, L. Utili, R. Amadori, F. Ospitali, C. Lucarelli, F. Cavani, *Applied Catalysis A: General*, **2015**, 504, 408-419.
- (230) M. Lopes, K. Dussan, J. J. Leahy, V. T. da Silva, *Catalysis Today*, **2017**, 279, 233-243.
- (231) S. M. M. Lopes, M. S. C. Henriques, J. A. Paixão, T. M. V. D. Pinho E Melo, *European Journal of Organic Chemistry*, **2015**, 2015, 6146-6151.
- (232) J. Lu, Y. Yan, Y. Zhang, Y. Tang, *RSC Advances*, **2012**, 2, 7652-7655.

- (233) N. Lucas, N. R. Kanna, A. S. Nagpure, G. Kokate, S. Chilukuri, *Journal of Chemical Sciences*, **2014**, 126, 403-413.
- (234) N. Lucas, G. Kokate, A. Nagpure, S. Chilukuri, *Microporous and Mesoporous Materials*, **2013**, 181, 38-46.
- (235) D. H. Lukamto, P. Wang, T. P. Loh, *Asian Journal of Organic Chemistry*, **2013**, 2, 947-951.
- (236) K. Luo, Y. Wang, J. Yu, J. Zhu, Z. Hu, *RSC Advances*, **2016**, 6, 87013-87020.
- (237) J. S. Luterbacher, D. Martin Alonso, J. A. Dumesic, *Green Chemistry*, **2014**, 16, 4816-4838.
- (238) G. Lv, C. Chen, B. Lu, J. Li, Y. Yang, C. Chen, T. Deng, Y. Zhu, X. Hou, *RSC Advances*, **2016**, 6, 101277-101282.
- (239) G. Lv, H. Wang, Y. Yang, X. Li, T. Deng, C. Chen, Y. Zhu, X. Hou, *Catalysis Science and Technology*, **2016**, 6, 2377-2386.
- (240) H. Ma, F. Wang, Y. Yu, L. Wang, X. Li, *Industrial and Engineering Chemistry Research*, **2015**, 54, 2657-2666.
- (241) J. Ma, X. Yu, J. Xu, Y. Pang, *Polymer (United Kingdom)*, **2012**, 53, 4145-4151.
- (242) A. S. Makarov, A. A. Merkushev, M. G. Uchuskin, I. V. Trushkov, *Organic Letters*, **2016**, 18, 2192-2195.
- (243) A. Marinovic, F. D. Pileidis, M. M. Titirici, Hydrothermal carbonisation (HTC): History, state-of-the-art and chemistry. In *RSC Green Chemistry*, 2015; Vol. 2015-January, 129-155.
- (244) J. J. Martínez, E. Nope, H. Rojas, J. Cubillos, A. G. Sathicq, G. P. Romanelli, *Catalysis Letters*, **2014**, 144, 1322-1331.
- (245) M. Mascal, S. Dutta, Chemical-Catalytic Approaches to the Production of Furfurals and Levulinates from Biomass. In *Topics in Current Chemistry*, 2014; Vol. 353, pp 41-83.
- (246) I. A. Masiutin, A. A. Novikov, A. A. Litvin, D. S. Kopitsyn, D. A. Beskorovaynaya, E. V. Ivanov, *Starch/Staerke*, **2016**, 68, 637-643.
- (247) B. M. Matsagar, M. K. Munshi, A. A. Kelkar, P. L. Dhepe, *Catalysis Science and Technology*, **2015**, 5, 5086-5090.
- (248) V. Mau, J. Quance, R. Posmanik, A. Gross, *Bioresource Technology*, **2016**, 219, 632-642.
- (249) H. B. Mayes, M. W. Nolte, G. T. Beckham, B. H. Shanks, L. J. Broadbelt, *ACS Sustainable Chemistry and Engineering*, **2014**, 2, 1461-1473.
- (250) J. A. Melero, J. Iglesias, A. Garcia, *Energy and Environmental Science*, **2012**, 5, 7393-7420.
- (251) A. D. M. Mendonça, P. M. Siqueira, M. M. V. M. Souza, N. Pereira, *Brazilian Journal of Chemical Engineering*, **2015**, 32, 501-508.
- (252) F. Menegazzo, T. Fantinel, M. Signoretto, F. Pinna, M. Manzoli, *Journal of Catalysis*, **2014**, 319, 61-70.
- (253) F. Menegazzo, M. Signoretto, D. Marchese, F. Pinna, M. Manzoli, *Journal of Catalysis*, **2015**, 326, 1-8.
- (254) A. V. Mironenko, M. J. Gilkey, P. Panagiotopoulou, G. Facas, D. G. Vlachos, B. Xu, *Journal of Physical Chemistry C*, **2015**, 119, 6075-6085.
- (255) N. Mittal, G. M. Nisola, L. B. Malihan, J. G. Seo, S. P. Lee, W. J. Chung, *Korean Journal of Chemical Engineering*, **2014**, 31, 1362-1367.
- (256) K. Mliki, M. Trabelsi, *Research on Chemical Intermediates*, **2016**, 42, 8253-8260.
- (257) S. Mohammad, C. Held, E. Altuntepe, T. Köse, G. Sadowski, *Journal of Physical Chemistry B*, **2016**, 120, 3797-3808.
- (258) S. Mondal, J. Mondal, A. Bhaumik, *ChemCatChem*, **2015**, 7, 3570-3578.
- (259) G. Morales, J. A. Melero, M. Paniagua, J. Iglesias, B. Hernández, M. Sanz, *Cuihua Xuebao/Chinese Journal of Catalysis*, **2014**, 35, 644-655.
- (260) S. Motokucho, H. Morikawa, H. Nakatani, B. A. J. Noordover, *Tetrahedron Letters*, **2016**, 57, 4742-4745.
- (261) Z. Mou, S. Feng, E. Y. X. Chen, *Polymer Chemistry*, **2016**, 7, 1593-1602.
- (262) R. Mousavi, M. Alizadeh, S. Saleh-Ghadimi, *European Food Research and Technology*, **2016**, 242, 677-684.

- (263) A. Mukherjee, M. J. Dumont, V. Raghavan, *Biomass and Bioenergy*, **2015**, 72, 143-183.
- (264) Y. Nakagawa, S. Liu, M. Tamura, K. Tomishige, *ChemSusChem*, **2015**, 8, 1114-1132.
- (265) A. Naseem, S. Tabasum, K. M. Zia, M. Zuber, M. Ali, A. Noreen, *International Journal of Biological Macromolecules*, **2016**, 93, 296-313.
- (266) F. Neațu, G. Culică, M. Florea, V. I. Parvulescu, F. Cavani, *ChemSusChem*, **2016**, 9, 3102-3112.
- (267) F. Neațu, R. S. Marin, M. Florea, N. Petrea, O. D. Pavel, V. I. Pârvulescu, *Applied Catalysis B: Environmental*, **2016**, 180, 751-757.
- (268) Y. Neubauer, *Chemie-Ingenieur-Technik*, **2011**, 83, 1880-1889.
- (269) J. Nie, J. Xie, H. Liu, *Cuihua Xuebao/Chinese Journal of Catalysis*, **2013**, 34, 871-875.
- (270) J. Nie, J. Xie, H. Liu, *Journal of Catalysis*, **2013**, 301, 83-91.
- (271) P. Nilges, U. Schröder, *Energy and Environmental Science*, **2013**, 6, 2925-2931.
- (272) S. J. Oh, J. Park, J. G. Na, Y. K. Oh, Y. K. Chang, *RSC Advances*, **2015**, 5, 47983-47989.
- (273) T. Okano, K. Qiao, Q. Bao, D. Tomida, H. Hagiwara, C. Yokoyama, *Applied Catalysis A: General*, **2013**, 451, 1-5.
- (274) R. Otomo, T. Tatsumi, T. Yokoi, *Catalysis Science and Technology*, **2015**, 5, 4001-4007.
- (275) R. Otomo, T. Yokoi, J. N. Kondo, T. Tatsumi, *Applied Catalysis A: General*, **2014**, 470, 318-326.
- (276) R. Otomo, T. Yokoi, T. Tatsumi, *ChemCatChem*, **2015**, 7, 4180-4187.
- (277) B. Palianytsia, T. Kulik, O. Dudik, T. Cherniavska, O. Tonkha In *Study of the thermal decomposition of some components of biomass by desorption mass spectrometry*, Springer Proceedings in Physics, 2014; 19-25.
- (278) J. Pan, H. Gao, Y. Zhang, J. Zeng, W. Shi, C. Song, Y. Yan, L. Yu, D. Chang, *RSC Advances*, **2014**, 4, 59175-59184.
- (279) J. Pan, Y. Mao, H. Gao, Q. Xiong, F. Qiu, T. Zhang, X. Niu, *Carbohydrate Polymers*, **2016**, 143, 212-222.
- (280) T. Pan, J. Deng, Q. Xu, Y. Xu, Q. X. Guo, Y. Fu, *Green Chemistry*, **2013**, 15, 2967-2974.
- (281) T. Pan, J. Deng, Q. Xu, Y. Zuo, Q. X. Guo, Y. Fu, *ChemSusChem*, **2013**, 6, 47-50.
- (282) T. Pasini, M. Piccinini, M. Blosi, R. Bonelli, S. Albonetti, N. Dimitratos, J. A. Lopez-Sanchez, M. Sankar, Q. He, C. J. Kiely, G. J. Hutchings, F. Cavani, *Green Chemistry*, **2011**, 13, 2091-2099.
- (283) T. Pasini, G. Solinas, V. Zanotti, S. Albonetti, F. Cavani, A. Vaccari, A. Mazzanti, S. Ranieri, R. Mazzoni, *Dalton Transactions*, **2014**, 43, 10224-10234.
- (284) H. Pawar, A. Lali, *RSC Advances*, **2014**, 4, 26714-26720.
- (285) S. Peleteiro, S. Rivas, J. L. Alonso, V. Santos, J. C. Parajó, *Journal of Agricultural and Food Chemistry*, **2015**, 63, 8093-8102.
- (286) H. Peng, J. Li, F. Wang, B. Liu, B. Yin, *Journal of Organic Chemistry*, **2016**, 81, 4939-4946.
- (287) Y. Peng, Z. Hu, Y. Gao, D. Yuan, Z. Kang, Y. Qian, N. Yan, D. Zhao, *ChemSusChem*, **2015**, 8, 3208-3212.
- (288) O. M. Pérez, J. A. Anell, R. Martínez-Palou, CHAPTER 4: Biomass hydrolysis in ionic liquids. In *RSC Green Chemistry*, 2016; Vol. 2016-January, pp 95-120.
- (289) N. Perret, A. Grigoropoulos, M. Zanella, T. D. Manning, J. B. Claridge, M. J. Rosseinsky, *ChemSusChem*, **2016**, 9, 521-531.
- (290) S. Pratihari, *Organic and Biomolecular Chemistry*, **2016**, 14, 2854-2865.
- (291) R. D. Priyadarshini, K. Infee Sherley, *International Journal of ChemTech Research*, **2015**, 8, 704-710.
- (292) X. Qi, H. Guo, L. Li, *Industrial and Engineering Chemistry Research*, **2011**, 50, 7985-7989.
- (293) Y. Qi, B. Song, Y. Qi, *RSC Advances*, **2016**, 6, 102428-102435.
- (294) Y. Qi, M. Yang, W. Xu, S. He, Y. Men, *Journal of Colloid and Interface Science*, **2017**, 486, 84-96.
- (295) Y. Z. Qin, Y. M. Li, M. H. Zong, H. Wu, N. Li, *Green Chemistry*, **2015**, 17, 3718-3722.

- (296) Y. Z. Qin, M. H. Zong, W. Y. Lou, N. Li, *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 4050-4054.
- (297) Y. Qu, Q. Wei, H. Li, P. Oleskowicz-Popiel, C. Huang, J. Xu, *Bioresource Technology*, **2014**, 162, 358-364.
- (298) Y. S. Qu, Y. L. Song, C. P. Huang, J. Zhang, B. H. Chen, *Industrial and Engineering Chemistry Research*, **2012**, 51, 13008-13013.
- (299) S. Rajendran, R. Raghunathan, I. Hevus, R. Krishnan, A. Ugrinov, M. P. Sibi, D. C. Webster, J. Sivaguru, *Angewandte Chemie - International Edition*, **2015**, 54, 1159-1163.
- (300) R. Rajmohan, S. Gayathri, P. Vairaprakash, *RSC Advances*, **2015**, 5, 100401-100407.
- (301) A. Ranoux, K. Djanashvili, I. W. C. E. Arends, U. Hanefeld, *ACS Catalysis*, **2013**, 3, 760-763.
- (302) A. Ranoux, K. Djanashvili, I. W. C. E. Arends, U. Hanefeld, *RSC Advances*, **2013**, 3, 21524-21534.
- (303) C. B. Rasrendra, J. N. M. Soetedjo, I. G. B. N. Makertihartha, S. Adisasmito, H. J. Heeres, *Topics in Catalysis*, **2012**, 55, 543-549.
- (304) G. Raveendra, A. Rajasekhar, M. Srinivas, P. S. Sai Prasad, N. Lingaiah, *Applied Catalysis A: General*, **2016**, 520, 105-113.
- (305) M. T. Reche, A. Osatiashtiani, L. J. Durndell, M. A. Isaacs, Â. Silva, A. F. Lee, K. Wilson, *Catalysis Science and Technology*, **2016**, 6, 7334-7341.
- (306) Q. Ren, Y. Huang, H. Ma, J. Gao, J. Xu, *Cuihua Xuebao/Chinese Journal of Catalysis*, **2014**, 35, 496-500.
- (307) Q. Ren, Y. Huang, H. Ma, F. Wang, J. Gao, J. Xu, *BioResources*, **2013**, 8, 1563-1572.
- (308) F. H. Richter, K. Pupovac, R. Palkovits, F. Schüth, *ACS Catalysis*, **2013**, 3, 123-127.
- (309) M. Rose, R. Palkovits, *Macromolecular Rapid Communications*, **2011**, 32, 1299-1311.
- (310) M. Rose, D. Weber, B. V. Lotsch, R. K. Kremer, R. Goddard, R. Palkovits, *Microporous and Mesoporous Materials*, **2013**, 181, 217-221.
- (311) P. K. Rout, A. D. Nannaware, O. Prakash, A. Kalra, R. Rajasekharan, *Chemical Engineering Science*, **2016**, 142, 318-346.
- (312) J. J. Roylance, K. S. Choi, *Green Chemistry*, **2016**, 18, 2956-2960.
- (313) J. J. Roylance, K. S. Choi, *Green Chemistry*, **2016**, 18, 5412-5417.
- (314) J. J. Roylance, T. W. Kim, K. S. Choi, *ACS Catalysis*, **2016**, 6, 1840-1847.
- (315) C. Ruß, A. H. Begli, B. Koenig, *Synthetic Communications*, **2013**, 43, 2452-2456.
- (316) B. Saha, S. Dutta, M. M. Abu-Omar, *Catalysis Science and Technology*, **2012**, 2, 79-81.
- (317) B. Saha, D. Gupta, M. M. Abu-Omar, A. Modak, A. Bhaumik, *Journal of Catalysis*, **2013**, 299, 316-320.
- (318) G. Sampath, S. Kannan, *Catalysis Communications*, **2013**, 37, 41-44.
- (319) L. M. Sanchez, H. J. Thomas, M. J. Climent, G. P. Romanelli, S. Iborra, *Catalysis Reviews - Science and Engineering*, **2016**, 58, 497-586.
- (320) M. Sankar, N. Dimitratos, P. J. Miedzian, P. P. Wells, C. J. Kiely, G. J. Hutchings, *Chemical Society Reviews*, **2012**, 41, 8099-8139.
- (321) S. Saravanamurugan, A. Riisager, E. Taarning, S. Meier, *ChemCatChem*, **2016**, 8, 3107-3111.
- (322) K. Schute, Y. Louven, C. Detoni, M. Rose, *Chemie-Ingenieur-Technik*, **2016**, 88, 355-362.
- (323) Y. H. Seo, J. I. Han, *Food Chemistry*, **2014**, 151, 207-211.
- (324) J. C. Serrano-Ruiz, R. Luque, A. Sepúlveda-Escribano, *Chemical Society Reviews*, **2011**, 40, 5266-5281.
- (325) T. Setianingsih, I. Kartini, Y. Arryanto, *Indonesian Journal of Chemistry*, **2014**, 14, 253-261.
- (326) M. Shaikh, M. Sahu, P. K. Gavel, G. R. Turpu, S. Khilari, D. Pradhan, K. V. S. Ranganath, *Catalysis Communications*, **2016**, 84, 89-92.
- (327) M. Shaikh, M. Sahu, S. Khilari, A. K. Kumar, P. Maji, K. V. S. Ranganath, *RSC Advances*, **2016**, 6, 82591-82595.
- (328) Y. Shen, J. Sun, Y. Yi, B. Wang, F. Xu, R. Sun, *Journal of Molecular Catalysis A: Chemical*, **2014**, 394, 114-120.

- (329) J. Shi, Y. Wang, X. Yu, W. Du, Z. Hou, *Fuel*, **2016**, 163, 74-79.
- (330) J. Shi, Q. Yang, L. Lin, *Carbohydrate Polymers*, **2014**, 104, 182-190.
- (331) J. Shi, Y. Yang, N. Wang, Z. Song, H. Gao, Y. Xia, W. Li, H. Wang, *Catalysis Communications*, **2013**, 42, 89-92.
- (332) J. B. Shi, Q. L. Yang, L. Lin, *Polymer Degradation and Stability*, **2013**, 98, 550-556.
- (333) N. Shi, Q. Liu, L. Ma, T. Wang, Q. Zhang, Q. Zhang, Y. Liao, *RSC Advances*, **2014**, 4, 4978-4984.
- (334) N. Shi, Q. Liu, Q. Zhang, T. Wang, L. Ma, *Green Chemistry*, **2013**, 15, 1967-1974.
- (335) N. Shi, Q. Y. Liu, T. J. Wang, Q. Zhang, L. L. Ma, C. L. Cai, *Chinese Journal of Chemical Physics*, **2015**, 28, 650-656.
- (336) N. Shi, Q. Y. Liu, T. J. Wang, Q. Zhang, J. L. Tu, L. L. Ma, *Chinese Journal of Chemical Physics*, **2014**, 27, 711-717.
- (337) S. Siankevich, Z. Fei, R. Scopelliti, P. G. Jessop, J. Zhang, N. Yan, P. J. Dyson, *ChemSusChem*, **2016**, 9, 2089-2096.
- (338) S. Siankevich, Z. Fei, R. Scopelliti, G. Laurenczy, S. Katsyuba, N. Yan, P. J. Dyson, *ChemSusChem*, **2014**, 7, 1647-1654.
- (339) S. Siankevich, Z. Fei, N. Yan, P. J. Dyson, *Chimia*, **2015**, 69, 592-596.
- (340) J. Sim, J. Shin, *Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry*, **2013**, 45, 27-34.
- (341) E. C. Sindermann, A. Holbach, A. de Haan, N. Kockmann, *Chemical Engineering Journal*, **2016**, 283, 251-259.
- (342) V. Singh, P. K. Chhotaray, N. Islam, R. L. Gardas, *Journal of Chemical Thermodynamics*, **2016**, 103, 7-16.
- (343) B. Siyo, M. Schneider, J. Radnik, M. M. Pohl, P. Langer, N. Steinfeldt, *Applied Catalysis A: General*, **2014**, 478, 107-116.
- (344) K. P. Somers, J. M. Simmie, F. Gillespie, U. Burke, J. Connolly, W. K. Metcalfe, F. Battin-Leclerc, P. Dirrenberger, O. Herbinet, P. A. Glaude, H. J. Curran, *Proceedings of the Combustion Institute*, **2013**, 34, 225-232.
- (345) K. P. Somers, J. M. Simmie, F. Gillespie, C. Conroy, G. Black, W. K. Metcalfe, F. Battin-Leclerc, P. Dirrenberger, O. Herbinet, P. A. Glaude, P. Dagaut, C. Togbé, K. Yasunaga, R. X. Fernandes, C. Lee, R. Tripathi, H. J. Curran, *Combustion and Flame*, **2013**, 160, 2291-2318.
- (346) K. P. Somers, J. M. Simmie, W. K. Metcalfe, H. J. Curran, *Physical Chemistry Chemical Physics*, **2014**, 16, 5349-5367.
- (347) Y. Song, X. Wang, Y. Qu, C. Huang, Y. Li, B. Chen, *Catalysts*, **2016**, 6, 1-11.
- (348) A. J. J. Straathof, *Chemical Reviews*, **2014**, 114, 1871-1908.
- (349) J. Sun, X. Yuan, Y. Shen, Y. Yi, B. Wang, F. Xu, R. Sun, *Industrial Crops and Products*, **2015**, 70, 266-271.
- (350) Y. J. Sung, C. J. Park, B. R. Kim, S. J. Shin, *Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry*, **2013**, 45, 21-26.
- (351) A. Takagaki, S. Nishimura, K. Ebitani, *Catalysis Surveys from Asia*, **2012**, 16, 164-182.
- (352) J. N. Tan, M. Ahmar, Y. Queneau, *RSC Advances*, **2015**, 5, 69238-69242.
- (353) F. R. Tao, C. Zhuang, Y. Z. Cui, J. Xu, *Chinese Chemical Letters*, **2014**, 25, 757-761.
- (354) A. Teimouri, M. Mazaheri, A. N. Chermahini, H. Salavati, F. Momenbeik, M. Fazel-Najafabadi, *Journal of the Taiwan Institute of Chemical Engineers*, **2015**, 49, 40-50.
- (355) K. Tekin, S. Karagöz, S. Bektaş, *Renewable and Sustainable Energy Reviews*, **2014**, 40, 673-687.
- (356) J. Tendam, U. Hanefeld, *ChemSusChem*, **2011**, 4, 1017-1034.
- (357) J. Teng, H. Ma, F. Wang, L. Wang, X. Li, *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 2020-2026.
- (358) S. P. Teong, G. Yi, X. Cao, Y. Zhang, *ChemSusChem*, **2014**, 7, 2120-2124.
- (359) S. P. Teong, G. Yi, H. Zeng, Y. Zhang, *Green Chemistry*, **2015**, 17, 3751-3755.

- (360) S. P. Teong, G. Yi, Y. Zhang, *Green Chemistry*, **2014**, 16, 2015-2026.
- (361) P. Tharra, B. Baire, *Journal of Organic Chemistry*, **2015**, 80, 8314-8328.
- (362) S. Thiyagarajan, A. Pukin, J. Van Haveren, M. Lutz, D. S. Van Es, *RSC Advances*, **2013**, 3, 15678-15686.
- (363) X. Tian, Z. Jiang, Y. Jiang, W. Xu, C. Li, L. Luo, Z. J. Jiang, *RSC Advances*, **2016**, 6, 101526-101534.
- (364) P. K. Tiwari, T. Mukhopadhyay, I. S. Aidhen, *European Journal of Organic Chemistry*, **2013**, 8083-8086.
- (365) C. Togbé, L. S. Tran, D. Liu, D. Felsmann, P. Oßwald, P. A. Glaude, B. Sirjean, R. Fournet, F. Battin-Leclerc, K. Kohse-Höinghaus, *Combustion and Flame*, **2014**, 161, 780-797.
- (366) X. Tong, L. Yu, G. Nie, Z. Li, J. Liu, S. Xue, *Environmental Progress and Sustainable Energy*, **2015**, 34, 1136-1141.
- (367) I. V. Trushkov, M. G. Uchuskin, A. V. Butin, *European Journal of Organic Chemistry*, **2015**, 2015, 2999-3016.
- (368) G. Tsilomelekis, C. Bagia, T. R. Josephson, S. Caratzoulas, V. Nikolakis, D. G. Vlachos In *Understanding solvation effects on biomass derived platform chemicals: A combined spectroscopic and theoretical approach*, Sustainable Engineering Forum 2013 - Core Programming Area at the 2013 AIChE Annual Meeting: Global Challenges for Engineering a Sustainable Future, 2013; 255-256.
- (369) G. Tsilomelekis, C. Bagia, T. R. Josephson, S. Caratzoulas, V. Nikolakis, D. G. Vlachos In *Understanding solvation effects on biomass derived platform chemicals: A combined spectroscopic and theoretical approach*, Fuels and Petrochemicals Division 2013 - Core Programming Area at the 2013 AIChE Annual Meeting: Global Challenges for Engineering a Sustainable Future, 2013; 132-133.
- (370) G. Tsilomelekis, T. R. Josephson, V. Nikolakis, S. Caratzoulas, *ChemSusChem*, **2014**, 7, 117-126.
- (371) K. Tsutsumi, N. Kurata, E. Takata, K. Furuichi, M. Nagano, K. Tabata, *Applied Catalysis B: Environmental*, **2014**, 147, 1009-1014.
- (372) C. O. Tuck, E. Pérez, I. T. Horváth, R. A. Sheldon, M. Poliakoff, *Science*, **2012**, 337, 695-699.
- (373) M. G. Uchuskin, A. S. Makarov, A. V. Butin, *Chemistry of Heterocyclic Compounds*, **2014**, 50, 791-806.
- (374) M. G. Uchuskin, N. V. Molodtsova, S. A. Lysenko, V. N. Strel'nikov, I. V. Trushkov, A. V. Butin, *European Journal of Organic Chemistry*, **2014**, 2014, 2508-2515.
- (375) P. P. Upare, D. W. Hwang, Y. K. Hwang, U. H. Lee, D. Y. Hong, J. S. Chang, *Green Chemistry*, **2015**, 17, 3310-3313.
- (376) D. S. Van Es, *Journal of Renewable Materials*, **2013**, 1, 61-72.
- (377) R. J. Van Putten, J. C. Van Der Waal, E. De Jong, C. B. Rasrendra, H. J. Heeres, J. G. De Vries, *Chemical Reviews*, **2013**, 113, 1499-1597.
- (378) V. Vasudevan, S. H. Mushrif, *RSC Advances*, **2015**, 5, 20756-20763.
- (379) M. Ventura, M. Aresta, A. Dibenedetto, *ChemSusChem*, **2016**, 9, 1096-1100.
- (380) I. Viil, A. Bredihhin, U. Mäeorg, L. Vares, *RSC Advances*, **2014**, 4, 5689-5693.
- (381) C. Vilela, A. F. Sousa, A. C. Fonseca, A. C. Serra, J. F. J. Coelho, C. S. R. Freire, A. J. D. Silvestre, *Polymer Chemistry*, **2014**, 5, 3119-3141.
- (382) A. Villa, M. Schiavoni, P. F. Fulvio, S. M. Mahurin, S. Dai, R. T. Mayes, G. M. Veith, L. Prati, *Journal of Energy Chemistry*, **2013**, 22, 305-311.
- (383) K. R. Vuyyuru, P. Strasser, *Catalysis Today*, **2012**, 195, 144-154.
- (384) K. V. Wagh, K. C. Badgajar, N. M. Patil, B. M. Bhanage, *Current Organic Chemistry*, **2016**, 20, 736-751.
- (385) M. Walia, U. Sharma, V. K. Agnihotri, B. Singh, *RSC Advances*, **2014**, 4, 14414-14418.
- (386) X. Wan, C. Zhou, J. Chen, W. Deng, Q. Zhang, Y. Yang, Y. Wang, *ACS Catalysis*, **2014**, 4, 2175-2185.

- (387) C. Wang, L. Fu, X. Tong, Q. Yang, W. Zhang, *Carbohydrate Research*, **2012**, 347, 182-185.
- (388) F. Wang, L. Jiang, J. Wang, Z. Zhang, *Energy and Fuels*, **2016**, 30, 5885-5892.
- (389) G. H. Wang, X. Deng, D. Gu, K. Chen, H. T<sup>1/4</sup>ys<sup>1/4</sup>z, B. Spliethoff, H. J. Bongard, C. Weidenthaler, W. Schmidt, F. Sch<sup>1/4</sup>th, *Angewandte Chemie - International Edition*, **2016**, 55, 11101-11105.
- (390) H. Wang, T. Deng, Y. Wang, X. Cui, Y. Qi, X. Mu, X. Hou, Y. Zhu, *Green Chemistry*, **2013**, 15, 2379-2383.
- (391) H. Wang, T. Deng, Y. Wang, Y. Qi, X. Hou, Y. Zhu, *Bioresource Technology*, **2013**, 136, 394-400.
- (392) J. Wang, J. Ren, X. Liu, G. Lu, Y. Wang, *AIChE Journal*, **2013**, 59, 2558-2566.
- (393) J. Wang, A. Zhu, L. Li, Sustainable Catalysis Systems Based on Ionic Liquids. In *Sustainable Catalytic Processes*, 2015; pp 61-98.
- (394) L. Wang, E. Y. X. Chen, *ACS Catalysis*, **2015**, 5, 6907-6917.
- (395) L. Wang, E. Y. X. Chen, *Green Chemistry*, **2015**, 17, 5149-5153.
- (396) L. Wang, Z. Zhang, L. Zhang, S. Xue, W. O. S. Doherty, I. M. O'Hara, X. Ke, *RSC Advances*, **2015**, 5, 85242-85247.
- (397) M. Wang, Y. Xia, L. Zhao, C. Song, L. Peng, X. Guo, N. Xue, W. Ding, *Journal of Catalysis*, **2014**, 319, 150-154.
- (398) S. Wang, B. Liu, Z. Yuan, Z. Zhang, *Journal of the Taiwan Institute of Chemical Engineers*, **2016**, 58, 92-96.
- (399) S. Wang, Z. Zhang, B. Liu, J. Li, *Catalysis Science and Technology*, **2013**, 3, 2104-2112.
- (400) X. C. Wang, X. Q. Wang, T. T. Qiang, *Xiandai Huagong/Modern Chemical Industry*, **2015**, 35, 63-66.
- (401) Y. Wang, B. Liu, K. Huang, Z. Zhang, *Industrial and Engineering Chemistry Research*, **2014**, 53, 1313-1319.
- (402) Z. W. Wang, M. Q. Zhu, M. F. Li, J. Q. Wang, Q. Wei, R. C. Sun, *Biotechnology for Biofuels*, **2016**, 9,
- (403) Y. Wei, C. Wang, X. Jiang, D. Xue, J. Li, J. Xiao, *Chemical Communications*, **2013**, 49, 5408-5410.
- (404) Y. Wei, C. Wang, X. Jiang, D. Xue, Z. T. Liu, J. Xiao, *Green Chemistry*, **2014**, 16, 1093-1096.
- (405) Z. Wei, Y. Liu, D. Thushara, Q. Ren, *Green Chemistry*, **2012**, 14, 1220-1226.
- (406) L. Weisgerber, S. Palkovits, R. Palkovits, *Chemie-Ingenieur-Technik*, **2013**, 85, 512-515.
- (407) J. Wilson, E. Y. X. Chen, *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 4927-4936.
- (408) F. Wu, R. Yang, F. Yang, *BioResources*, **2015**, 10, 3293-3301.
- (409) Q. Wu, Y. Yan, Q. Zhang, J. Lu, Z. Yang, Y. Zhang, Y. Tang, *ChemSusChem*, **2013**, 6, 820-825.
- (410) W. P. Wu, Y. J. Xu, R. Zhu, M. S. Cui, X. L. Li, J. Deng, Y. Fu, *ChemSusChem*, **2016**, 9, 1209-1215.
- (411) Q. Xia, Y. Xia, J. Xi, X. Liu, Y. Wang, *Green Chemistry*, **2015**, 17, 4411-4417.
- (412) Y. Xiao, Y. F. Song, *Applied Catalysis A: General*, **2014**, 484, 74-78.
- (413) H. Xie, W. Liu, I. Beadham, N. Gathergood, Biorefinery with Ionic Liquids. In *The Role of Green Chemistry in Biomass Processing and Conversion*, 2012; 75-133.
- (414) H. Xie, Z. K. Zhao, Q. Wang, *ChemSusChem*, **2012**, 5, 901-905.
- (415) J. Xie, J. Nie, H. Liu, *Cuihua Xuebao/Chinese Journal of Catalysis*, **2014**, 35, 937-944.
- (416) J. Xu, J. Ma, H. Ma, *Shiyu Huagong/Petrochemical Technology*, **2012**, 41, 1225-1233.
- (417) K. Xu, J. Feng, T. Zhong, Z. Zheng, T. Chen, *International Biodeterioration and Biodegradation*, **2015**, 100, 106-115.
- (418) Q. Xu, X. Li, T. Pan, C. Yu, J. Deng, Q. Guo, Y. Fu, *Green Chemistry*, **2016**, 18, 1287-1294.
- (419) R. Xu, Y. Queneau, How the polarity of carbohydrates can be used in chemistry. In *Carbohydrate Chemistry*, 2014; Vol. 40, 31-50.
- (420) Z. Xue, M. G. Ma, Z. Li, T. Mu, *RSC Advances*, **2016**, 6, 98874-98892.

- (421) K. K. Yadav, S. Ahmad, S. M. S. Chauhan, *Journal of Molecular Catalysis A: Chemical*, **2014**, 394, 170-176.
- (422) B. Yan, H. Zang, Y. Jiang, S. Yu, E. Y. X. Chen, *RSC Advances*, **2016**, 6, 76707-76715.
- (423) L. Yan, D. D. Laskar, S. J. Lee, B. Yang, *RSC Advances*, **2013**, 3, 24090-24098.
- (424) L. Yan, L. Zhang, B. Yang, *Biotechnology for Biofuels*, **2014**, 7,
- (425) Y. Yan, X. Tong, K. Wang, X. Bai, *Catalysis Communications*, **2014**, 43, 112-115.
- (426) Y. Yan, Q. Wu, X. Guo, J. Lu, Z. H. Li, Y. Zhang, Y. Tang, *RSC Advances*, **2014**, 4, 39453-39462.
- (427) J. Yang, K. O. De Vigier, Y. Gu, F. Jérôme, *ChemSusChem*, **2015**, 8, 269-274.
- (428) L. Yang, J. Su, X. Yang, H. Lin, Catalytic oxidation pathways for the production of carboxylic acids from biomass. In *Reaction Pathways and Mechanisms in Thermocatalytic Biomass Conversion I: Cellulose Structure, Depolymerization and Conversion by Heterogeneous Catalysts*, 2015; 171-202.
- (429) Y. Yang, C. W. Hu, M. M. Abu-Omar, *Green Chemistry*, **2012**, 14, 509-513.
- (430) S. Yao, X. Wang, Y. Jiang, F. Wu, X. Chen, X. Mu, *ACS Sustainable Chemistry and Engineering*, **2014**, 2, 173-180.
- (431) Y. Yao, Z. Gu, Y. Wang, H. J. Wang, W. Li, *Russian Journal of General Chemistry*, **2016**, 86, 1698-1704.
- (432) G. Yi, S. P. Teong, X. Li, Y. Zhang, *ChemSusChem*, **2014**, 7, 2131-2135.
- (433) G. Yi, S. P. Teong, Y. Zhang, *ChemSusChem*, **2015**, 8, 1151-1155.
- (434) X. Yi, I. Delidovich, Z. Sun, S. Wang, X. Wang, R. Palkovits, *Catalysis Science and Technology*, **2015**, 5, 2496-2502.
- (435) Y. B. Yi, J. W. Lee, C. H. Chung, *Current Organic Chemistry*, **2014**, 18, 1149-1158.
- (436) Y. B. Yi, J. W. Lee, C. H. Chung, *Environmental Chemistry Letters*, **2015**, 13, 173-190.
- (437) B. Yin, X. Zhang, J. Liu, X. Li, H. Jiang, *Chemical Communications*, **2014**, 50, 8113-8116.
- (438) B. Yin, X. Zhang, X. Zhang, H. Peng, W. Zhou, B. Liu, H. Jiang, *Chemical Communications*, **2015**, 51, 6126-6129.
- (439) Z. Yuan, Z. Zhang, J. Zheng, J. Lin, *Fuel*, **2015**, 150, 236-242.
- (440) C. Yue, G. Li, E. A. Pidko, J. J. Wiesfeld, M. Rigutto, E. J. M. Hensen, *ChemSusChem*, **2016**, 9, 2421-2429.
- (441) M. T. Zafarani-Moattar, H. Shekaari, E. Mazaher, *Journal of Molecular Liquids*, **2015**, 212, 930-940.
- (442) H. Zang, E. Y. X. Chen, *International Journal of Molecular Sciences*, **2015**, 16, 7143-7158.
- (443) C. Zeng, H. Seino, J. Ren, K. Hatanaka, N. Yoshie, *Polymer (United Kingdom)*, **2013**, 54, 5351-5357.
- (444) C. Zeng, H. Seino, J. Ren, K. Hatanaka, N. Yoshie, *Macromolecules*, **2013**, 46, 1794-1802.
- (445) D. Zhang, M. J. Dumont, A. Cherestes, *RSC Advances*, **2016**, 6, 83466-83470.
- (446) J. Zhang, Y. Cao, H. Li, X. Ma, *Chemical Engineering Journal*, **2014**, 237, 55-61.
- (447) J. Zhang, A. Das, R. S. Assary, L. A. Curtiss, E. Weitz, *Applied Catalysis B: Environmental*, **2016**, 181, 874-887.
- (448) J. Zhang, T. Deng, H. Liu, *Progress in Chemistry*, **2013**, 25, 192-208.
- (449) J. Zhang, J. Li, Y. Tang, L. Lin, M. Long, *Carbohydrate Polymers*, **2014**, 130, 420-428.
- (450) J. Zhang, E. Weitz, *ACS Catalysis*, **2012**, 2, 1211-1218.
- (451) J. Zhang, Y. Xiao, Y. Zhong, N. Du, X. Huang, *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 3995-4002.
- (452) J. Zhang, X. Yu, F. Zou, Y. Zhong, N. Du, X. Huang, *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 3338-3345.
- (453) X. Zhang, J. Liu, Y. Yang, F. Wang, H. Jiang, B. Yin, *Organic Chemistry Frontiers*, **2016**, 3, 1105-1110.
- (454) Y. Zhang, E. Y. X. Chen, Polymerization of nonfood biomass-derived monomers to sustainable polymers. In *Topics in Current Chemistry*, 2014; Vol. 353, pp 185-228.



- (455) Y. Zhang, Q. Lu, H. Liao, C. Dong, Y. Yang, *Ranshao Kexue Yu Jishu/Journal of Combustion Science and Technology*, **2015**, 21, 89-95.
- (456) Y. Zhang, M. Nanda, M. Tymchyshyn, Z. Yuan, C. Xu, *Journal of Materials Science*, **2016**, 51, 732-738.
- (457) Y. Zhang, J. Pan, Y. Yan, W. Shi, L. Yu, *RSC Advances*, **2014**, 4, 23797-23806.
- (458) Y. Zhang, J. Wang, X. Li, X. Liu, Y. Xia, B. Hu, G. Lu, Y. Wang, *Fuel*, **2015**, 139, 301-307.
- (459) Y. Zhang, Z. Yuan, N. Mahmood, S. Huang, C. C. Xu, *Industrial Crops and Products*, **2016**, 79, 84-90.
- (460) Z. Zhang, B. Du, L. J. Zhang, Y. X. Da, Z. J. Quan, L. J. Yang, X. C. Wang, *RSC Advances*, **2013**, 3, 9201-9205.
- (461) Z. Zhang, B. Liu, K. Lv, J. Sun, K. Deng, *Green Chemistry*, **2014**, 16, 2762-2770.
- (462) Z. Zhang, W. Liu, H. Xie, Z. K. Zhao, *Molecules*, **2011**, 16, 8463-8474.
- (463) Z. Zhang, Y. Wang, Z. Fang, B. Liu, *ChemPlusChem*, **2014**, 79, 233-240.
- (464) J. Zhao, D. Yu, W. Zhang, Y. Hu, T. Jiang, J. Fu, H. Huang, *RSC Advances*, **2016**, 6, 16988-16995.
- (465) J. Zhao, C. Zhou, C. He, Y. Dai, X. Jia, Y. Yang, *Catalysis Today*, **2016**, 264, 123-130.
- (466) Q. Zhao, Z. Sun, S. Wang, G. Huang, X. Wang, Z. Jiang, *RSC Advances*, **2014**, 4, 63055-63061.
- (467) R. R. Zhao, Y. L. Zhang, W. P. Zhang, *Journal of Molecular Catalysis*, **2014**, 28, 485-495.
- (468) S. Zhao, X. Guo, P. Bai, L. Lv, *Asian Journal of Chemistry*, **2014**, 26, 4537-4543.
- (469) H. Zheng, Z. Sun, X. Yi, S. Wang, J. Li, X. Wang, Z. Jiang, *RSC Advances*, **2013**, 3, 23051-23056.
- (470) M. Zheng, J. Pang, A. Wang, T. Zhang, *Cuihua Xuebao/Chinese Journal of Catalysis*, **2014**, 35, 602-613.
- (471) C. Zhou, W. Deng, X. Wan, Q. Zhang, Y. Yang, Y. Wang, *ChemCatChem*, **2015**, 7, 2853-2863.
- (472) L. Zhou, Y. He, Z. Ma, R. Liang, T. Wu, Y. Wu, *Carbohydrate Polymers*, **2015**, 117, 694-700.
- (473) L. Zhou, R. Liang, Z. Ma, T. Wu, Y. Wu, *Bioresource Technology*, **2013**, 129, 450-455.
- (474) L. Zhou, T. Wu, Y. Wu, *Progress in Chemistry*, **2012**, 24, 1533-1543.
- (475) L. Zhou, J. D. Xu, S. S. Zhou, Q. Mao, M. Kong, H. Shen, X. Y. Li, S. M. Duan, J. Xu, S. L. Li, *Journal of Chromatography A*, **2016**, 1472, 74-87.
- (476) P. Zhou, Z. Zhang, *Catalysis Science and Technology*, **2016**, 6, 3694-3712.
- (477) X. Zhou, T. B. Rauchfuss, *ChemSusChem*, **2013**, 6, 383-388.
- (478) X. Zhou, Z. Zhang, B. Liu, Z. Xu, K. Deng, *Carbohydrate Research*, **2013**, 375, 68-72.
- (479) X. Zhou, Z. Zhang, B. Liu, Q. Zhou, S. Wang, K. Deng, *Journal of Industrial and Engineering Chemistry*, **2014**, 20, 644-649.
- (480) J. Zhu, J. Cai, W. Xie, P. H. Chen, M. Gazzano, M. Scandola, R. A. Gross, *Macromolecules*, **2013**, 46, 796-804.
- (481) L. Zhu, J. Dai, M. Liu, D. Tang, S. Liu, C. Hu, *ChemSusChem*, **2016**, 9, 2174-2181.
- (482) S. Zhu, J. Wang, W. Fan, *Catalysis Science and Technology*, **2015**, 5, 3845-3858.
- (483) Y. Zhu, M. Lu, *RSC Advances*, **2015**, 5, 85579-85585.
- (484) X. Zuo, P. Venkatasubramanian, D. H. Busch, B. Subramaniam, *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 3659-3668.
6. J. Albo, E. Santos, L. Neves, S. Simeonov, C. Afonso, J. Crespo, A. Irabien, Separation performance of CO<sub>2</sub> through Supported Magnetic Ionic Liquid Membranes (SMILMs), *Separation and Purification Technology*, **2012**, 97, 26-33.

- (1) A. Alkhouzaam, M. Khraisheh, M. Atilhan, S. A. Al-Muhtaseb, L. Qi, D. Rooney, *Journal of Natural Gas Science and Engineering*, **2016**, 36, 472-485.
  - (2) S. H. Barghi, T. T. Tsotsis, M. Sahimi, *International Journal of Hydrogen Energy*, **2015**, 40, 8713-8720.
  - (3) B. Cao, W. Yan, J. Wang, H. Ding, Y. Yu, *Journal of Chemical Technology and Biotechnology*, **2015**, 90, 1537-1544.
  - (4) T. Chatzimitakos, C. Binellas, K. Maidatsi, C. Stalikas, *Analytica Chimica Acta*, **2016**, 910, 53-59.
  - (5) K. D. Clark, O. Nacham, J. A. Purslow, S. A. Pierson, J. L. Anderson, *Analytica Chimica Acta*, **2016**, 934, 9-21.
  - (6) Z. Dai, R. D. Noble, D. L. Gin, X. Zhang, L. Deng, *Journal of Membrane Science*, **2016**, 497, 1-20.
  - (7) G. Dudek, R. Turczyn, A. Strzelewicz, M. Krasowska, A. Rybak, Z. J. Grzywna, *Separation and Purification Technology*, **2013**, 109, 55-63.
  - (8) A. García-Saiz, I. De Pedro, J. A. Blanco, J. González, J. R. Fernández, *Journal of Physical Chemistry B*, **2013**, 117, 3198-3206.
  - (9) A. García-Saiz, I. De Pedro, P. Migowski, O. Vallcorba, J. Junquera, J. A. Blanco, O. Fabelo, D. Sheptyakov, J. C. Waerenborgh, M. T. Fernández-Díaz, J. Rius, J. Dupont, J. A. Gonzalez, J. R. Fernández, *Inorganic Chemistry*, **2014**, 53, 8384-8396.
  - (10) J. Hristov, Magnetically assisted separations in chemical industry and biotechnology: Basic principles and applications. In *RSC Green Chemistry*, 2016; Vol. 2016-January, pp 161-197.
  - (11) K. Huang, X. M. Zhang, Y. X. Li, Y. T. Wu, X. B. Hu, *Journal of Membrane Science*, **2014**, 471, 227-236.
  - (12) A. Joseph, G. Zyla, V. I. Thomas, P. R. Nair, A. S. Padmanabhan, S. Mathew, *Journal of Molecular Liquids*, **2016**, 218, 319-331.
  - (13) J. Klingele, *Coordination Chemistry Reviews*, **2015**, 292, 15-29.
  - (14) J. Liu, X. Hou, H. B. Park, H. Lin, *Chemistry - A European Journal*, **2016**, 22, 15980-15990.
  - (15) J. G. Lu, Z. Y. Lu, L. Gao, S. Cao, J. T. Wang, X. Gao, Y. Q. Tang, W. Y. Tan, *Journal of Molecular Liquids*, **2015**, 211, 1-6.
  - (16) A. B. Pereira, L. C. Tomé, S. Martinho, L. P. N. Rebelo, I. M. Marrucho, *Industrial and Engineering Chemistry Research*, **2013**, 52, 4994-5001.
  - (17) A. S. Rewar, R. S. Bhavsar, K. Sreekumar, U. K. Kharul, *Journal of Membrane Science*, **2015**, 481, 19-27.
  - (18) H. Seon Bang, S. Jang, Y. Soo Kang, J. Won, *Journal of Membrane Science*, **2015**, 479, 77-84.
  - (19) M. Smiglak, J. M. Pringle, X. Lu, L. Han, S. Zhang, H. Gao, D. R. MacFarlane, R. D. Rogers, *Chemical Communications*, **2014**, 50, 9228-9250.
  - (20) L. C. Tomé, M. A. Aboudzadeh, L. P. N. Rebelo, C. S. R. Freire, D. Mecerreyes, I. M. Marrucho, *Journal of Materials Chemistry A*, **2013**, 1, 10403-10411.
  - (21) L. C. Tomé, C. Florindo, C. S. R. Freire, L. P. N. Rebelo, I. M. Marrucho, *Physical Chemistry Chemical Physics*, **2014**, 16, 17172-17182.
  - (22) L. C. Tomé, I. M. Marrucho, *Chemical Society Reviews*, **2016**, 45, 2785-2824.
  - (23) L. C. Tomé, D. J. S. Patinha, C. S. R. Freire, L. P. N. Rebelo, I. M. Marrucho, *RSC Advances*, **2013**, 3, 12220-12229.
  - (24) J. Wang, W. Zhang, *Energy and Fuels*, **2014**, 28, 5930-5935.
  - (25) Q. Zhao, T. S. Heng, C. X. Guo, D. Zhao, J. Ding, X. Lu, *RSC Advances*, **2016**, 6, 15731-15734.
7. S. Simeonov, J. Coelho, C. Afonso, Integrated Simple Approach for the Production and Isolation of 5-Hydroxymethylfurfural (HMF) from Carbohydrates, *ChemSusChem*, **2012**, 5, 1388-1391.

**Забелязани цитати – 21**

- (1) K. I. Galkin, E. A. Krivodaeva, L. V. Romashov, S. S. Zalesskiy, V. V. Kachala, J. V. Burykina, V. P. Ananikov, *Angewandte Chemie - International Edition*, **2016**, 55, 8338-8342.
  - (2) N. Guajardo, C. R. Müller, R. Schrebler, C. Carlesi, P. Domínguez De María, *ChemCatChem*, **2016**, 8, 1020-1027.
  - (3) L. Hu, G. Zhao, X. Tang, Z. Wu, J. Xu, L. Lin, S. Liu, *Bioresource Technology*, **2013**, 148, 501-507.
  - (4) Y. Kwon, E. De Jong, S. Raoufmoğhaddam, M. T. M. Koper, *ChemSusChem*, **2013**, 6, 1659-1667.
  - (5) Y. Kwon, K. J. P. Schouten, J. C. Van Der Waal, E. De Jong, M. T. M. Koper, *ACS Catalysis*, **2016**, 6, 6704-6717.
  - (6) B. Liu, Z. Zhang, K. Huang, *Cellulose*, **2013**, 20, 2081-2089.
  - (7) D. Liu, E. Y. X. Chen, *ChemSusChem*, **2013**, 6, 2236-2239.
  - (8) D. Liu, E. Y. X. Chen, *ACS Catalysis*, **2014**, 4, 1302-1310.
  - (9) D. Liu, E. Y. X. Chen, *Green Chemistry*, **2014**, 16, 964-981.
  - (10) Y. Liu, Z. Li, Y. Yang, Y. Hou, Z. Wei, *RSC Advances*, **2014**, 4, 42035-42038.
  - (11) K. Mliki, M. Trabelsi, *Industrial Crops and Products*, **2015**, 78, 91-94.
  - (12) S. Motokuchō, H. Morikawa, H. Nakatani, B. A. J. Noordover, *Tetrahedron Letters*, **2016**, 57, 4742-4745.
  - (13) F. Neațu, R. S. Marin, M. Florea, N. Petrea, O. D. Pavel, V. I. Pârvulescu, *Applied Catalysis B: Environmental*, **2016**, 180, 751-757.
  - (14) K. V. S. Ranganath, M. Sahu, M. Shaikh, P. K. Gavel, K. K. Atyam, S. Khilari, P. Das, *New Journal of Chemistry*, **2016**, 40, 4468-4471.
  - (15) J. Shi, W. Liu, N. Wang, Y. Yang, H. Wang, *Catalysis Letters*, **2014**, 144, 252-260.
  - (16) S. Tšupova, F. Rominger, M. Rudolph, A. S. K. Hashmi, *Green Chemistry*, **2016**, 18, 5800-5805.
  - (17) K. V. Wagh, K. C. Badgujar, N. M. Patil, B. M. Bhanage, *Current Organic Chemistry*, **2016**, 20, 736-751.
  - (18) C. Wang, H. He, Y. Lin, L. Huang, M. Sun, T. Zhang, L. He, *RSC Advances*, **2016**, 6, 70586-70591.
  - (19) T. Wang, M. W. Nolte, B. H. Shanks, *Green Chemistry*, **2014**, 16, 548-572.
  - (20) G. Yi, S. P. Teong, Y. Zhang, *ChemSusChem*, **2015**, 8, 1151-1155.
  - (21) X. Zhou, T. B. Rauchfuss, *ChemSusChem*, **2013**, 6, 383-388.
8. I. de Pedro, A. Garcia-Saiz, J. Gonzalez, I. de Larramendi, T. Rojo, C. Afonso, S. Simeonov, J. Waerenborgh, J. Blanco, B. Ramajo, J. Fernandez, Magnetic ionic plastic crystal: choline[FeCl<sub>4</sub>], *Physical Chemistry Chemical Physics*, **2013**, 15, 12724-12733.

#### Забелязани цитати – 6

- (1) B. Dong, H. Song, W. Zhang, A. He, S. Yao, *Current Organic Chemistry*, 2016, **20**, 2894.
- (2) T. Mochida, Y. Funasako, M. Ishida, S. Saruta, T. Kosone, T. Kitazawa, *Chemistry - A European Journal*, 2016, **22**, 15725.
- (3) M. Moriya, T. Watanabe, S. Nabeno, W. Sakamoto, T. Yogo, *Chemistry Letters*, 2014, **43**, 108.
- (4) J. A. Rodríguez-Velamazán, O. Fabelo, C. M. Beavers, E. Natividad, M. Evangelisti, O. Roubeau, *Chemistry - A European Journal*, 2014, **20**, 7956.
- (5) H. Schroeder, J. Buback, S. Demeshko, K. Matyjaszewski, F. Meyer, M. Buback, *Macromolecules*, 2015, **48**, 1981.
- (6) S. Sonkaria, H. T. Kim, S. Y. Kim, N. Kumari, Y. G. Kim, V. Khare, S. H. Ahn, *Applied Catalysis B: Environmental*, 2016, **182**, 326.

9. M. Zakrzewska, A. Rosatella, S. Simeonov, C. Afonso, V. Najdanovic-Visaka, M. da Ponte, Solubility of carbon dioxide in ammonium based CO<sub>2</sub>-induced ionic liquids, *Fluid Phase Equilibria*, **2013**, 324, 19-23.

#### Забелязани цитати – 6

- (1) M. E. Hamzehie, M. Fattahi, H. Najibi, B. Van der Bruggen, S. Mazinani, *Journal of Natural Gas Science and Engineering*, **2015**, 24, 106-114.  
(2) J. M. Lopes, F. A. Sánchez, S. B. R. Reartes, M. D. Bermejo, Á. Martín, M. J. Cocero, *Journal of Supercritical Fluids*, **2016**, 107, 590-604.  
(3) Y. Zeng, C. Wang, Y. Xu, W. Xu, S. Ju, *Journal of Physical Chemistry B*, **2015**, 119, 8573-8582.  
(4) X. Zhu, H. Zhang, H. Li, *Journal of Molecular Liquids*, **2014**, 197, 48-51.  
(5) X. Zhu, H. Zhang, Y. Xu, *Magnetic Resonance in Chemistry*, **2016**, 54, 205-212.  
(6) X. Zhu, H. Zhang, Y. Xu, *Journal of Molecular Liquids*, **2016**, 213, 139-144.
10. S. Simeonov, C. Afonso, Batch and Flow Synthesis of 5-Hydroxymethylfurfural (HMF) from Fructose as a Bioplatfrom Intermediate: An Experiment for the Organic or Analytical Laboratory, *Journal of Chemical Education*, **2013**, 90, 1373-1375.

#### Забелязани цитати – 7

- (1) Z. V. Feng, K. R. Edelman, B. P. Swanson, *Journal of Chemical Education*, **2015**, 92, 723-727.  
(2) R. Hudson, A. Bishop, S. Glaisher, J. L. Katz, *Journal of Chemical Education*, **2015**, 92, 1892-1895.  
(3) H. L. Hwang, S. R. Jadhav, J. R. Silverman, G. John, *Journal of Chemical Education*, **2014**, 91, 1563-1568.  
(4) A. Jain, A. M. Shore, S. C. Jonnalagadda, K. V. Ramanujachary, A. Mugweru, *Applied Catalysis A: General*, **2015**, 489, 72-76.  
(5) A. Mukherjee, M. J. Dumont, V. Raghavan, *Biomass and Bioenergy*, **2015**, 72, 143-183.  
(6) J. Sun, X. Yuan, Y. Shen, Y. Yi, B. Wang, F. Xu, R. Sun, *Industrial Crops and Products*, **2015**, 70, 266-271.  
(7) J. Wang, T. Qu, M. Liang, Z. Zhao, *RSC Advances*, **2015**, 5, 106053-106060.
11. S. Subbiah, S. Simeonov, J. Esperança, L. Rebelo, C. Afonso, Direct transformation of 5-hydroxymethylfurfural to the building blocks 2,5-dihydroxymethylfurfural (DHMF) and 5-hydroxymethyl furanoic acid (HMFA) via Cannizzaro reaction, *Green Chemistry*, **2013**, 15, 2849-2853.

#### Забелязани цитати – 29

- (1) H. Ait Rass, N. Essayem, M. Besson, *ChemSusChem*, 2015, **8**, 1206.  
(2) S. Albonetti, A. Lolli, V. Morandi, A. Migliori, C. Lucarelli, F. Cavani, *Applied Catalysis B: Environmental*, 2015, **163**, 520.  
(3) A. S. Amarasekara, T. B. Singh, E. Larkin, M. A. Hasan, H. J. Fan, *Industrial Crops and Products*, 2015, **65**, 546.  
(4) L. Ardemani, G. Cibin, A. J. Dent, M. A. Isaacs, G. Kyriakou, A. F. Lee, C. M. A. Parlett, S. A. Parry, K. Wilson, *Chemical Science*, 2015, **6**, 4940.  
(5) K. S. Arias, M. J. Climent, A. Corma, S. Iborra, *Topics in Catalysis*, 2016, **59**, 1257.  
(6) M. Y. Chen, C. B. Chen, B. Zada, Y. Fu, *Green Chemistry*, 2016, **18**, 3858.

- (7) I. Delidovich, P. J. C. Hausoul, L. Deng, R. Pfützenreuter, M. Rose, R. Palkovits, *Chemical Reviews*, 2016, **116**, 1540.
- (8) Q. Deng, J. Xu, P. Han, L. Pan, L. Wang, X. Zhang, J. J. Zou, *Fuel Processing Technology*, 2016, **148**, 361.
- (9) K. I. Galkin, E. A. Krivodaeva, L. V. Romashov, S. S. Zalesskiy, V. V. Kachala, J. V. Burykina, V. P. Ananikov, *Angewandte Chemie - International Edition*, 2016, **55**, 8338.
- (10) W. Hao, W. Li, X. Tang, X. Zeng, Y. Sun, S. Liu, L. Lin, *Green Chemistry*, 2016, **18**, 1080.
- (11) H. Hu, Z. Jiao, J. Ye, G. Lu, Y. Bi, *Nano Energy*, 2014, **8**, 103.
- (12) L. Hu, L. Lin, S. Liu, *Industrial and Engineering Chemistry Research*, 2014, **53**, 9969.
- (13) X. Jia, J. Ma, M. Wang, Z. Du, F. Lu, F. Wang, J. Xu, *Applied Catalysis A: General*, 2014, **482**, 231.
- (14) X. Jia, J. Ma, M. Wang, H. Ma, C. Chen, J. Xu, *Green Chemistry*, 2016, **18**, 974.
- (15) E. S. Kang, Y. W. Hong, D. W. Chae, B. Kim, B. Kim, Y. J. Kim, J. K. Cho, Y. G. Kim, *ChemSusChem*, 2015, **8**, 1179.
- (16) S. Li, H. Hu, Y. Bi, *Journal of Materials Chemistry A*, 2016, **4**, 796.
- (17) C. Liu, Z. Fang, Z. Yang, Q. Li, S. Guo, K. Guo, *RSC Advances*, 2015, **5**, 79699.
- (18) A. Lolli, S. Albonetti, L. Utili, R. Amadori, F. Ospitali, C. Lucarelli, F. Cavani, *Applied Catalysis A: General*, 2015, **504**, 408.
- (19) Z. Miao, Y. Zhang, X. Pan, T. Wu, B. Zhang, J. Li, T. Yi, Z. Zhang, X. Yang, *Catalysis Science and Technology*, 2015, **5**, 1314.
- (20) F. Neațu, R. S. Marin, M. Florea, N. Petrea, O. D. Pavel, V. I. Pârvulescu, *Applied Catalysis B: Environmental*, 2016, **180**, 751.
- (21) R. Noma, K. Nakajima, K. Kamata, M. Kitano, S. Hayashi, M. Hara, *Journal of Physical Chemistry C*, 2015, **119**, 17117.
- (22) Y. Qu, L. Li, Q. Wei, C. Huang, P. Oleskowicz-Popiel, J. Xu, *Scientific Reports*, 2016, **6**,
- (23) P. K. Rout, A. D. Nannaware, O. Prakash, A. Kalra, R. Rajasekharan, *Chemical Engineering Science*, 2016, **142**, 318.
- (24) J. Shi, Y. Wang, X. Yu, W. Du, Z. Hou, *Fuel*, 2016, **163**, 74.
- (25) C. Wang, H. He, Y. Lin, L. Huang, M. Sun, T. Zhang, L. He, *RSC Advances*, 2016, **6**, 70586.
- (26) Y. Wang, B. Liu, K. Huang, Z. Zhang, *Industrial and Engineering Chemistry Research*, 2014, **53**, 1313.
- (27) L. Wu, J. Song, B. Zhang, B. Zhou, H. Zhou, H. Fan, Y. Yang, B. Han, *Green Chemistry*, 2014, **16**, 3935.
- (28) L. Yu, L. He, J. Chen, J. Zheng, L. Ye, H. Lin, Y. Yuan, *ChemCatChem*, 2015, **7**, 1701.
- (29) Y. Zhu, M. Lu, *RSC Advances*, 2015, **5**, 85579.
12. R. Frade, S. Simeonov, A. Rosatella, F. Siopa, C. Afonso, Toxicological evaluation of magnetic ionic liquids in human cell lines, *Chemosphere*, **2013**, 92, 100-105.

#### Забелязани цитати – 21

- (1) S. B. Aher, P. N. Muskawar, K. Thenmozhi, P. R. Bhagat, *European Journal of Medicinal Chemistry*, **2014**, 81, 408-419.
- (2) M. Amde, J. F. Liu, L. Pang, *Environmental Science and Technology*, **2015**, 49, 12611-12627.
- (3) M. Anouti, Room-temperature molten salts: Protic ionic liquids and deep eutectic solvents as media for electrochemical application. In *Electrochemistry in Ionic Liquids: Volume 1: Fundamentals*, 2015; pp 217-252.
- (4) T. Chatzimitakos, C. Binellas, K. Maidatsi, C. Stalikas, *Analytica Chimica Acta*, **2016**, 910, 53-59.

- (5) K. D. Clark, O. Nacham, J. A. Purslow, S. A. Pierson, J. L. Anderson, *Analytica Chimica Acta*, **2016**, 934, 9-21.
- (6) C. I. Daniel, F. Vaca Chávez, C. A. M. Portugal, J. G. Crespo, P. J. Sebastião, *Journal of Physical Chemistry B*, **2015**, 119, 11740-11747.
- (7) R. N. Das, K. Roy, *Chemosphere*, **2014**, 104, 170-176.
- (8) K. S. Egorova, V. P. Ananikov, *ChemSusChem*, **2014**, 7, 336-360.
- (9) K. S. Egorova, M. M. Seitkalieva, A. V. Posvyatenko, V. P. Ananikov, *Toxicology Research*, **2014**, 4, 152-159.
- (10) A. Joseph, G. Zyla, V. I. Thomas, P. R. Nair, A. S. Padmanabhan, S. Mathew, *Journal of Molecular Liquids*, **2016**, 218, 319-331.
- (11) C. Li, Y. Huang, H. Huang, *Xibei Gongye Daxue Xuebao/Journal of Northwestern Polytechnical University*, **2015**, 33, 76-80.
- (12) L. Li, Y. Wang, X. Qi, *RSC Advances*, **2015**, 5, 41352-41358.
- (13) Y. Liu, Z. Qian, J. Yin, X. Wang, *Journal of Innovative Optical Health Sciences*, **2015**, 8,
- (14) C. Lu, E. Z. Su, D. Z. Wei, A. M. Klibanov, *Journal of Molecular Catalysis*, **2015**, 29, 390-401.
- (15) A. Paiva, R. Craveiro, I. Aroso, M. Martins, R. L. Reis, A. R. C. Duarte, *ACS Sustainable Chemistry and Engineering*, **2014**, 2, 1063-1071.
- (16) E. Santos, J. Albo, A. Irabien, *RSC Advances*, **2014**, 4, 40008-40018.
- (17) A. Sosnowska, M. Barycki, M. Zaborowska, A. Rybinska, T. Puzyn, *Green Chemistry*, **2014**, 16, 4749-4757.
- (18) R. Su, M. Xie, H. Li, Q. Deng, *Chinese Journal of Chromatography (Se Pu)*, **2016**, 34, 545-549.
- (19) A. A. C. Toledo Hijo, G. J. Maximo, M. C. Costa, E. A. C. Batista, A. J. A. Meirelles, *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 5347-5369.
- (20) S. P. M. Ventura, F. A. e Silva, A. M. M. Gonçalves, J. L. Pereira, F. Gonçalves, J. A. P. Coutinho, *Ecotoxicology and Environmental Safety*, **2014**, 102, 48-54.
- (21) B. Y. Zhao, P. Xu, F. X. Yang, H. Wu, M. H. Zong, W. Y. Lou, *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 2746-2755.
13. S. Simeonov, J. Coelho, C. Afonso, Integrated chemo-enzymatic production of 5-hydroxymethylfurfural from glucose, *ChemSusChem*, **2013**, 6, 997-1000.

#### Забелязани цитати – 14

- (1) B. R. Caes, R. E. Teixeira, K. G. Knapp, R. T. Raines, *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 2591-2605.
- (2) T. Dallas Swift, H. Nguyen, A. Anderko, V. Nikolakis, D. G. Vlachos, *Green Chemistry*, **2015**, 17, 4725-4735.
- (3) H. Huang, C. A. Denard, R. Alamillo, A. J. Crisci, Y. Miao, J. A. Dumesic, S. L. Scott, H. Zhao, *ACS Catalysis*, **2014**, 4, 2165-2168.
- (4) Y. Kwon, E. De Jong, S. Raoufmoghaddam, M. T. M. Koper, *ChemSusChem*, **2013**, 6, 1659-1667.
- (5) A. Liu, B. Liu, Y. Wang, R. Ren, Z. Zhang, *Fuel*, **2014**, 117, 68-73.
- (6) B. Liu, Y. Ren, Z. Zhang, *Green Chemistry*, **2015**, 17, 1610-1617.
- (7) D. Liu, E. Y. X. Chen, *ACS Catalysis*, **2014**, 4, 1302-1310.
- (8) T. L. Lohr, T. J. Marks, *Nature Chemistry*, **2015**, 7, 477-482.
- (9) Y. Ma, S. Qing, L. Wang, N. Islam, S. Guan, Z. Gao, X. Mamat, H. Li, W. Eli, T. Wang, *RSC Advances*, **2015**, 5, 47377-47383.
- (10) A. D. M. Mendonça, P. M. Siqueira, M. M. V. M. Souza, N. Pereira, *Brazilian Journal of Chemical Engineering*, **2015**, 32, 501-508.
- (11) A. Toftgaard Pedersen, R. Ringborg, T. Grotkjær, S. Pedersen, J. M. Woodley, *Chemical Engineering Journal*, **2015**, 273, 455-464.
- (12) T. Wang, M. W. Nolte, B. H. Shanks, *Green Chemistry*, **2014**, 16, 548-572.

- (13) Z. Yuan, Z. Zhang, J. Zheng, J. Lin, *Fuel*, **2015**, 150, 236-242.  
(14) P. Zhou, Z. Zhang, *Catalysis Science and Technology*, **2016**, 6, 3694-3712.

14. A. Martins, S. Simeonov, L. Frija, R. Viveiros, A. Lourenço, M. da Silva, T. Casimiro, C. Afonso, Isolation, analytical quantification and seasonal variation of labdanolic acid from the Portuguese-grown *Cistus ladaniferus*, *Industrial Crops and Products*, **2014**, 60, 226-232.

#### **Забелязани цитати – 1**

- (1) O. Guerreiro, S. P. Alves, M. F. Duarte, R. J. B. Bessa, E. Jerónimo, *Lipids*, **2015**, 50, 493-501.  
15. R. Frade, J. Coelho, S. Simeonov, C. Afonso, Emerging Platform from Renewable Resources: Selection Guidelines for Human Exposure of Furan-Based Compounds, *Toxicology Research*, **2014**, 3, 311-314.

#### **Забелязани цитати – 1**

- (1) P. K. Rout, A. D. Nannaware, O. Prakash, A. Kalra, R. Rajasekharan, *Chemical Engineering Science*, **2016**, 142, 318-346.  
16. S. Simeonov, C. Afonso, Basicity and Stability of the Urea Deep Eutectic Mixtures, *RSC Advances*, **2016**, 6, 5485-5490.

#### **Забелязани цитати – 3**

- (1) M. A. P. Martins, G. C. Pavaglio, L. V. Rodrigues, C. P. Frizzo, N. Zanatta, H. G. Bonacorso, *New Journal of Chemistry*, **2016**, 40, 5989-5992.  
(2) C. A. Navarro, C. A. Sierra, C. Ochoa-Puentes, *RSC Advances*, **2016**, 6, 65355-65365.  
(3) T. Selkälä, J. A. Sirviö, G. S. Lorite, H. Liimatainen, *ChemSusChem*, **2016**, 9, 3074-3083.  
17. S. Simeonov, J. Nunes, K. Guerra, V. Kurteva, C. Afonso, Synthesis of Chiral Cyclopentenones, *Chemical Reviews*, **2016**, 116, 5744-5893.

#### **Забелязани цитати – 8**

- (1) C. Bürki, A. Whyte, S. Arndt, A. S. K. Hashmi, M. Lautens, *Organic Letters*, **2016**, 18, 5058-5061.  
(2) Y. Cai, Y. Tang, I. Atodiresei, M. Rueping, *Angewandte Chemie - International Edition*, **2016**, 55, 14126-14130.  
(3) D. Lebœuf, L. Marin, B. Michelet, A. Perez-Luna, R. Guillot, E. Schulz, V. Gandon, *Chemistry - A European Journal*, **2016**, 22, 16165-16171.  
(4) H. Li, R. Tong, J. Sun, *Angewandte Chemie - International Edition*, **2016**, 55, 15125-15128.  
(5) Y. Liang, J. Lai, T. Liu, S. Tang, *Organic Letters*, **2016**, 18, 5086-5089.  
(6) M. S. Manna, R. Sarkar, S. Mukherjee, *Chemistry - A European Journal*, **2016**, 22, 14912-14919.  
(7) M. L. Tang, P. Peng, Z. Y. Liu, J. Zhang, J. M. Yu, X. Sun, *Chemistry - A European Journal*, **2016**, 22, 14535-14539.  
(8) H. Yamakoshi, Y. Sawayama, Y. Akahori, M. Kato, S. Nakamura, *Organic Letters*, **2016**, 18, 3430-3433.