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Publications:

- 1) Belmabkhout Y., Pillai R., Alezi D., Shekhah O., Bhatt P., Chen Z., Adil K., Vaesen S., Weireld G., Pang M., Suetin M., Cairns A., **Solovyeva V.**, Shkurenko A., El Tall O., Maurin G., Eddaoudi M. Metal-organic frameworks to satisfy gas upgrading demands: fine-tuning the soc-MOF platform for the operative removal of H₂S. *J. Mater. Chem. A*, **2017**, *5*, 3293-3303.
- 2) Solntsev K., Popov A., **Solovyeva V.**, Al-Ainai S., Il'ichev Y., Kuzmin M. Kinetics of Intra- and Intermolecular Excited-State Proton Transfer of ω -(2-hydroxynaphthyl-1)-decanoic Acid in Homogeneous and Micellar Solutions. *Methods and Appl. Fluoresc.*, **2016**, *4*, 014001.
- 3) Alezi D., Belmabkhout Y., Suetin M., Bhatt P., Weseliński Ł., **Solovyeva V.**, Adil K., Spanopoulos I., Trikalitis P., Emwas A., Eddaoudi M. MOFs Crystal Chemistry Paving the Way to Gas Storage Needs: Aluminum-Based soc-MOF for CH₄, O₂ and CO₂ Storage. *J. Am. Chem. Soc.*, **2015**, *137*, 13308-13318.
- 4) Bukhryakov K., Desyatkin V., O'Shea J.-P., Almahdali S., **Solovyeva V.**, Rodionov V. Cooperative Catalysis with Block Copolymer Micelles: a Combinatorial Approach. *ACS Comb. Sci.*, **2015**, *17*, 76–80. (Selected as **ACS Editors' Choice** article Jan. 13, 2015 and **highlighted in C&EN** Jan 19, 2015)
- 5) **Solovyeva V.**, Vu K., Merican Z., Sougrat R., Rodionov V. Hydroamination of Alkynes Using Amphiphiles-Based Au@SiO₂. *Synfacts*, **2015**, *11*, (01), 0104-0104.
- 6) **Solovyeva V.**, Vu K., Merican Z., Sougrat R., Rodionov V. One-Pot Synthesis of Au@SiO₂ Catalysts: a Click Chemistry Approach. *ACS Comb. Sci.*, **2014**, *16*, (10), 513–517. (**Highlighted on the front cover**)
- 7) O'Shea J.-P., **Solovyeva V.**, Guo X., Zhao J., Hadjichristidis N., Rodionov V. Sequence-Controlled Copolymers of 2,3,4,5-Pentafluorostyrene: a Mechanistic Insight and Application to Organocatalysis. *Polym. Chem.* **2014**, *5*, 698-701.
- 8) **Solov'eva V.**, Baird M., Bolesov I. Functionalized α -Bromocyclopropylmagnesium Bromides: Generation and Certain Reactions. *Russ. J. of Org. Chem. Int. Ed.* **2013**, *49*, 1580-1593.
- 9) **Solov'eva V.**, Baird M., Bolesov I. Functional Derivatives of α -Bromocyclopropylmagnesium Bromides. *Russ. J. of Org. Chem. Int. Ed.* **2005**, *41*, 1394-1396.
- 10) **Solovieva V.**, Fokin V., Nikitin S., et al. A Very Large Diversity Space of Synthetically Accessible Compounds for Use with Drug Design Programs. *J. Comp-Aided Mol. Design* **2005**, *19*, 47-64.

Presentations:

- 1) Vu B., **Solovyeva V.**, Rodionov V. Synthesis of hollow SiO₂ nanospheres: fluororous soft templates for encapsulation of functional materials. Abstracts of Papers 245th ACS National Meeting 7-11 April 2013, *New Orleans, LA, USA*, T 245.
- 2) **Solovyeva V.**, Rodionov V. Fluororous micellar catalysts and their application to practical oxidation reactions. Abstracts of Papers 244-th ACS National Meeting 19-23 August 2012, *Philadelphia, PA, USA*, ORG 810.
- 3) Bolesov I., Baird M., Yakushkina N., Ignatchenko A., Tarabayeva O., Tverezovsky V., Rubin M., Sheshenev A., **Solovyeva V.** Chemo-, Stereo-, Enantioselective Transformations of Functionalised Cyclopropanes and Cyclopropenes. Universities Contribution in the Organic Chemistry Progress, *Saint-Petersburg, Russia*, June 22, 2009, Book of Abstracts, p. 3.
- 4) **Solov'eva V.**, Baird M., Bolesov I. Hydrodebromination of *gem*-Dibromocyclopropane Derivatives with *iso*-Propylmagnesium Bromide. Lomonosov-2004, *Moscow, Russia*, April 12-15, 2004, Book of Abstracts, Vol. 1, p. 69.
- 5) **Solov'eva V.**, Baird M., Bolesov I. α -Bromocyclopropylmagnesium Bromides and Their Reactions. Prospect of Chemistry Development and Practical Application of Alicyclic Compounds, *Samara, Russia*, June 1-2, 2004, Book of Abstracts, p. 240.
- 6) **Solov'eva V.**, Baird M., Bolesov I. Functional Derivatives of α -Bromocyclopropylmagnesium Bromides: Generation and Certain Reactions. Lomonosov-2003, *Moscow, Russia*, April 15-18, 2003, Book of Abstracts, Vol. 1, p. 84.
- 7) Bolesov I., Baird M., Tverezovsky V., Nizovtsev A., Sheshenev A., **Solov'eva V.**, Sanginov E. Cyclopropylidenes: Generation and Synthetic Application. VII Conference on the Chemistry of Carbenes and Related Intermediates, *Kazan, Russia*, June 23-26, 2003, Book of Abstracts, p. 20.