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605th Conference

Scientific Program

Proceedings of
International Conference on

Organic Chemistry

August 10-11, 2016 Las Vegas, Nevada, USA



Hosting Organization: Conference Series LLC

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Scientific Program

Day 1 August 10, 2016

08:15-09:15 Registrations

Hall: Flemingo 1&2

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09:15-09:30 **Opening Ceremony**

Keynote Forum

09:30-09:45 Introduction

09:45-10:20 **Title: A century of natural product synthesis: From concept to practice**
Stephen Hanessian, Université de Montreal, Canada

10:20-10:55 **Title: Contribution of Electrochemistry to Organometallic Catalysis**
Anny Jutand, Ecole Normale Supérieure, France

Networking and Refreshments: 10:55-11:15 @ Foyer

Sessions:

Fundamentals and classification in organic chemistry | Structure, bonding and reactions in organic chemistry | Medicinal Chemistry, Drug synthesis methods and strategies, Innovation in organic asymmetry

Session Introduction

Session Chair: Mohammad Hayal Alotaibi, Petrochemical Research Institute, Kingdom of Saudi Arabia

Session Co-Chair: Chunying Duan, Dalian University of Technology, China

11:15-11:35 **Title: A concise and atom-economical suzuki-miyaura coupling reaction using unactivated trialkyl and triarylboranes with aryl halides**
Yong-Li Zhong, Merck & Co., Inc., USA

11:35-11:55 **Title: Regioselective and enantioselective photoredox catalysis within self-active coordination space of a homochiral Ru(II)-metallo-ligand-based Pd(II) nanocages**
Cheng-Yong Su, Sun Yat-sen University, China

11:55-12:15 **Title: Selective dinitration of toluene over zeolites**
Mohammad Hayal Alotaibi, Petrochemical Research Institute, Kingdom of Saudi Arabia

12:15-12:35 **Title: New perspective on the synthesis with chiral aziridines**
Hyun-Joon Ha, Hankuk University of Foreign Studies, Korea

12:35-12:55 **Title: Merging multifunctional catalytic centers within homochiral metal-organic frameworks: New opportunity for heterogeneous asymmetric catalysis**
Chunying Duan, Dalian University of Technology, China

Lunch: 12:55-13:40 @ Atrium

13:40-14:00 **Title: Synthesis of 9,10-phenanthrenes via palladium-catalyzed aryne annulation by o-halostyrenes and formal synthesis of (±)-tylophorine**
Tuanli Yao, Shaanxi University of Science and Technology, China

14:00-14:20 **Title: Dynamic fluorescence quenching of Pd₆(Ru₃)₈ metal-organic cages (mocs) by ferrocene derivatives**
Mei Pan, Sun Yat-sen University, China

14:20-14:40 **Title: Copper-catalyzed cross-coupling of 1-haloalkyl-o-carboranes with grignard reagents: An efficient route to monosubstituted o-carborane derivatives**
Ju You Lu, Modern Chemistry Research Institute, China

14:40-15:00 **Title: Chloronium cations, R-Cl⁺-R, in condensed phases: Formation, thermal stability, and reactivity**
Evgenii S Stoyanov, Novosibirsk Institute of Organic Chemistry, Russia

15:00-15:20 **Title: Easily recyclable phosphonopeptides as organocatalysts for stereoselective C-C bond creation**
Margery Cortes Clerget, University of California at Santa Barbara, USA

Sessions:

Organometallic chemistry

Session Introduction

Session Chair: Manoj Kumar, University of Nebraska-Lincoln, USA

Session Co-Chair: Hyosun Lee, Kyungpook National University, Republic of Korea

15:20-15:40 **Title: Energy-efficient green catalyst: Supported gold, palladium nanoparticles**
Yong Sheng Bao, Unlner Mongolia Normal University, China

Networking and Refreshments: 15:40-16:00 @ Foyer

16:00-16:20 **Title: Construction of highly functionalized compounds via metal free transformations**
Hiroaki Sasai, Osaka University, Japan

16:20-16:40 **Title: Theoretical modeling of alkanediol decomposition via metal free**
Manoj Kumar, University of Nebraska-Lincoln, USA

16:40-17:00 **Title: Catalytic properties and activity of copper and silver containing Al-pillared bentonite for CO oxidation**
Suna BALCI, Gazi University, Turkey

17:00-17:20 **Title: Catalytic study of late transition metal complexes in the polymerization of methyl methacrylate (MMA)**
Hyosun Lee, Kyungpook National University, Republic of Korea

17:20-17:40 **Title: A versatile catalyst for suzuki and sonogashira reactions of aryl iodides and bromides at room temperature in water as only solvent**
Abdol R Hajipour, Isfahan University of Technology, Iran

Panel Discussion

Day 2 August 11, 2016

Hall: Flemingo 1&2

Keynote Forum

09:30-10:05 **Title: Carbocations in condensed phases: Stabilization via hyperconjugation, polarization, and hydrogen bonding**
Evgenii S Stoyanov, Novosibirsk State University, Russia

10:05 -10:40 **Title: Blue hazard free candlelight organic light emitting diode**
Jwo Huei Jou, National Tsing Hua University, Taiwan

Sessions:

Biochemistry, Polymer Chemistry, Materials Chemistry | Modern Organic Chemistry and Applications | Physical Organic Chemistry

Session Introduction

Session Chair: Gregory A Weiss, University of California, USA

Session Co-Chair: John A Soderquist, University of Puerto Rico, USA

10:40-11:00 **Title: Molecular encapsulation and reactivity with assembled baskets in water**
Jovica Badjic, The Ohio State University, USA

Networking and Refreshments: 11:00-11:15 @ Foyer

11:20-11:40 **Title: 2-Naphthylmethoxymethyl: A Mildly Introdicable and Oxidatively Removable Benzyloxymethyl-Type Protecting Group**
Kohei Torikai, Kyushu University, Japan

11:40-12:00 **Title: Multi-step enzymatic and organic synthesis with continuous flow, thin film fluidics**
Gregory A Weiss, University of California, USA

12:00-12:20 **Title: Design of novel block co-polymers for solution processing of advanced nanomaterials**
Morgan Stefik, University of South Carolina, USA

12:20-12:40 **Title: Asymmetric organoborane conversions via the amazing 9 borabicyclo [3.3.2]decane**
John A Soderquist, University of Puerto Rico, USA

12:40-13:00 **Title: Enantioselective trapping of oxonium ylide with n-benzhydryl- α -imino ester: A rapid access to synthesis of β -tetrasubstituted α -amino acids**
Shunying Liu, East China Normal University, China

13:00-13:20 **Title: Transition metal-assisted total synthesis of natural products**
Jozef Stec, Marshall B. Ketchum University, USA

Lunch: 13:20-14:05 @ Atrium

Sessions:

Advanced trends in organic chemistry | Natural products and heterocyclic chemistry

Session Introduction

Session Chair: María Del Rocío Gámez Montaño, Universidad de Guanajuato, Mexico

Session Co-Chair: Uttam K. Tambar, The University of Texas Southwestern Medical Center at Dallas, USA

- 14:05-14:25** **Title: Ruthenium-catalyzed urea synthesis utilizing methanol as the c1 feedstock**
Soon Hyeok Hong, Seoul National University, South Korea
- 14:25-14:45** **Title: Synthesis of novel tetrazol-chromones via Ugi-azide reaction and *in vitro* studies for their antibiotic properties**
María Del Rocío Gámez Montaño, Universidad de Guanajuato, Mexico
- 14:45-15:05** **Title: Gold(I)/(III)-catalyzed synthesis of 2-substituted piperidines; valency-controlled cyclization modes**
Nobuyoshi Morita, Showa Pharmaceutical University, Japan
- 15:05-15:25** **Title: Allylic functionalization of unactivated hydrocarbons**
Uttam K Tambar, The University of Texas Southwestern Medical Center at Dallas, USA
- 15:25-15:45** **Title: Synthesis, optical spectroscopy and laser potential of pyrylium tosylates**
P K Bhowmik, University of Nevada Las Vegas, USA

Networking and Refreshments: 15:45-16:05 @ Foyer

Poster Sessions @ Atrium 16:05-17:00

- PPMC001** **Title: Anti-fungal activity of novel synthesized chiral schiff bases and their reduction products**
Imad A Abu Yousef, American University of Sharjah, United Arab Emirates
- PPMC002** **Title: Synthesis of photoaffinity labeling reagents for aromatic -amino acids**
Makoto Hashimoto, Hokkaido University Graduate School of Agriculture, Japan
- PPMC003** **Title: Chitosan as heterogeneous catalyst in michael additions: Reaction of cinnamionitriles with active methyl, active methylenes and phenols**
Hamad Al Matar, Kuwait University, Kuwait
- PPMC004** **Title: Catalysis within metal-organic architectures**
XU JING, Dalian University of Technology, China
- PPMC005** **Title: Pore size and interactions effect on removal of dyes with metal-organic frameworks**
Ali Morsali, Tarbiat Modares University, Iran
- PPMC006** **Title: A New perylene diimide dye with powerful binding sites for metal ions**
Courage Akpan, Eastern Mediterranean University, Turkey
- PPMC007** **Title: Design and synthesis of new chiral ionic liquids as potential antielectrostatic agents**
Joanna Feder Kubis, Wrocław University of Technology, Poland
- PPMC008** **Title: Synthesis and *in vitro* anticancer activity of two thiazacridine derivatives**
Marina Galdino da Rocha Pitta, Federal University of Pernambuco, Brazil
- PPMC009** **Title: Self-assembly, host-guest chemistry and visible-light induced dmsO degradation of pd6(fel3)8 metal-organic cages**
Ya Jun Hou, Sun Yat-sen University, China
- PPMC0010** **Title: Dynamic fluorescence quenching of pd6(rul3)8 metal-organic cages (mocs) by ferrocene derivatives**
Kai Wu, Sun Yat-sen University, China

Panel Discussion

Closing Ceremony

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3rd International Conference on

Organic Chemistry

July 24-26, 2017 Chicago, USA

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