

Poster Communications (PC)

(PO.A.1) Preparation of optically active isoindolinones with quaternary stereogenic center bearing three aryl groups in organocatalytic fashion

Arben Beriša, Danijel Glavač, Chao Zheng, Shu-Li You, Matija Gredičak

(PO.A.2) Chemically engineered extracts of alpine plants: diversity-oriented approach

Aurélien Beato, Benjamin Boucherle, Marine Peuchmaur

(PO.A.3) Easy synthesis to a new, alpha helix mime

Maël Pagotto, Basile Pères

(PO.A.4) Straightforward Two Step Protocol for The Synthesis of Sulfonimidamides from Thionyl Chloride

Jiří Míšek, Miloš Jabczun, Vladimír Nosek

(PO.A.5) MedChem-Relevant gem-Difluorocycloalkane Building Blocks and Their Impact on Physicochemical Properties

Ryabukhin S. V., Melnykov K.P., Holovach S., Herasymchuk M., Volochnyuk D.M., Grygorenko O.O.

(PO.A.6) Preparation of cyclic carbonates and non-isocyanate polyurethanes (NIPUs) from bioderived feedstocks

Carlos Díez-Poza, Lucía Álvarez Miguel, Marta E. G. Mosquera, Christopher J. Whiteoak

(PO.A.7) Total synthesis of (-)-agelastatin A via photochemical transformation of pyridinium salt and enzymatic resolution of aziridine

Joao R. Vale, Milene Fortunato, Filipa Siopa, Carlos A. M. Afonso

(PO.A.8) Synthesis of trifluoromethylated 4H-chromene derivatives via photocatalytic trifluoromethylation/oxidation/cyclization sequences of 2-vinyl phenols

Dae Young Kim

(PO.A.9) Explaining Regio-Divergent Vinylations with Vinylbenziodoxolone

Ester Maria Di Tommaso, Per-Ola Norrby, Berit Olofsson

(PO.A.10) Selective α -Methylation of Aryl Ketones using Quaternary Ammonium salts as solid Methylating Agents

Johanna Templ, Michael Schnürch

(PO.A.11) Selective Synthesis and Crystallization of Stereogenic Silicon Centers

Anna Krupp, Carsten Strohmann

(PO.A.12) Substitutions of Si–N-functionalized silanes to alkoxysilanes using microwave radiation

Jan-Lukas Kirchoff, Carsten Strohmann

(PO.A.13) A halide-free, continuous-flow process for the synthesis of hydrophobic ionic liquids

Kristof Stagel, Katharina Bica-Schröder, Michael Schnürch

(PO.A.14) Continuous-Flow Synthesis and Functionalization of Heterocycles Under Visible Light

Silvia Cabrera, Jose L. Nova-Fernández, Montaña J. García, Leonardo Mollari, Gustavo Pascual-Coca, José Alemán

(PO.A.15) Metal-free and scalable alternatives for reduction of sulfoxides

Laura Adarve-Cardona, Alexander Garay-Talero, Diego Gamba-Sánchez

(PO.A.16) Asymmetric synthesis of allenes from simple alkynes using novel chiral diselenide reagents

Rongyu Sun, Rajesh Nomula, Nicolas Daugey, Thierry Buffeteau, Patrick Y. Toullec, Stéphane Quideau, Philippe A. Peixoto

(PO.A.17) Environmentally Friendly Phenol O-Arylation with Aryl(TMP)-Iodonium(III) Acetates

Naoki Miyamoto, Kotaro Kikushima, Elghareeb E. Elboray, Yasuyuki Kita, Toshifumi

(PO.A.18) The Indium-Mediated Acyloxyallylation – A Tool for the Elongation of Aldoses Towards Higher-Carbon Sugars and Non-Natural Sugar Alcohols

Nina Biedermann, Christian Stanetty, Michael Schnürch

(PO.A.19) Novel DPPH-based compounds with redox properties

Adela Dobre, Anamaria Hanganu, Codruța Popescu, Anca Păun, Ioana Nicolau, Mihaela Matache, Petre Ioniță

(PO.A.20) Preparation and diene-transmissive Diels-Alder reactions of electron-poor [3]dendralenes

Brůža Zbyněk, Antal Rastislav, Perdomo Stefanie Magela, Pour Milan

(PO.A.21) Benzylic fluorination induced by N–F bond activation of Selectfluor[®] with a solvent-dependent selectivity switch

Lucia Anghileri, Amiera Madani, Matthias Heydenreich, Heiko M. Möller, Bartholomäus Pieber

(PO.A.22) Chiral phosphorus compounds by catalytic asymmetric C–P coupling

Anirban Mondal, Niklas Thiel, Ruth Dorel, Ben L Feringa

(PO.A.23) Copper-Catalyzed Oxy- and Amino- arylation of Unactivated Alkenes with Diaryliodonium Salts

Yohann Landrain, Gwilherm Evano

(PO.A.24) The Double SN2' Reaction

Alaâ Saadane, Gwilherm Evano

(PO.A.25) Studies towards the synthesis of racemic 9 α ,10 β -Bisangeloyloxy-7-epi-3E-agerafastin

Christian Böhm, Norbert Krause

(PO.A.26) Transition Metal-free Cyclization of Propargylic Amides to Oxazoles in Hexafluoroisopropanol

Nicholas Jankowski, Julian Dietrich, Norbert Krause

(PO.A.27) Total synthesis of +/- pestalactone C via tandem Pd-catalysis

Michal Kadaník, Milan Pour, Jiří Kuneš

(PO.A.28) Synthesis of new uracil derivatives through the generation of “uracilyne”

Takumi Hayashi, Naoko Takenaga, Arumu Miyagawa, Shohei Ueda, Kotaro Kikushima, Toshifumi Dohi

(PO.A.29) Open-chain carbohydrate amides: synthesis, docking studies and acetylcholinesterase inhibition

M. Isabel Ismael, Gonçalves-Pereira R., Figueiredo J.A, Lucas S., García-Moreno M.I., C. Ortiz Mellet, Rauter A.P.

(PO.A.30) Synthesis and characterization of red cyanine dyes with improved stability and solubility for color filter in micro OLED displays

Namkyung Yoo, Jee Young Lim, Woosung Lee

(PO.A.31) Synthesis of highly functionalized six-membered carbocycles via strong acid mediated endocyclic C-C bond-cleavage of monocyclopropanated cyclopentadiene

Sebastian Fischer, Terrence-Thang H. Nguyen, Huw M. L. Davies, Oliver Reiser

(PO.A.32) Functionalization of Terminal Rings of Anthracene via Diels-Alder Reaction with Atypical Regioselectivity and Further Transformations

Lisa Uhlstein, Oliver Reiser

(PO.A.33) Synthesis of new purine nucleosides and evaluation of their potential as copper chelators and anticholinesterase agents

Catarina Maria, João Barros, Nuno M. Xavier, Karina Shimizu, Adilson A. Freitas, Maria J. Ferreira, Maria C. Oliveira, Ignazio Schino, Mariangela Cantore, Modesto de Candia, Nicola Colabufo, J. N. Canongia Lopes, Amélia P. Rauter

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Boughani Lazhar, Chafaa Fouad, Regainia Zine

(PO.A.35) A fluorine-18 labelled difluorocarbene for PET ligand discovery

Joseph Ford, Jeroen B. I. Sap, Claudio F. Meyer, Natan J. W. Straathof, Alexander B. Dürr, Mariah J. Lelos, Stephen J. Paisey, Tim A. Mollner, Sandrine M. Hell, Andrés A. Trabanco, Christophe Genicot, Christopher W. am Ende, Robert S. Paton, Matthew Tredwell, Véronique Gouverneur

(PO.A.36) Synthesis of hybrid polymer brush via combination of surface-initiated ring-opening metathesis polymerization and thiol-ene click reaction and its use in DNA hybridization

Esra Altay Öztürk, M. S. Eroglu, T. Caykara

(PO.A.37) Cyclodextrin derivatives and their synthesis

Michal Rezanka

(PO.A.38) Zincate-Mediated Remote Functionalisation of p-Iodobenzyl Derivatives Through Metallotropy: Unprecedented Scope and Ubiquitous Influence of the 2-MeTHF on the Overall Process

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Vincent George, Shun Wang, Hua Wang, Galder Liorente, Burkhard König

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(PO.A.42) Phosphonic acids from 1,2-benzoxaphosphorins and 1,2-benzoxaphosphorinphosphonates as analogues of bioactive compounds

Nevena I. Petkova-Yankova, Ana I. Koleva, Rositca D. Nikolova

(PO.A.43) Halohydrines as intermediates in the formation of enol phosphates and conjugate addition products with 2-Oxo-2H-1-benzopyrans

Nevena I. Petkova-Yankova, Rositca D. Nikolova

(PO.A.44) Ultrasound assisted homodimerization reactions of substituted 3-acetylcoumarins

Ana I. Koleva, Anna-Mariya R. Zlatanova, Nevena I. Petkova-Yankova, Rositca D. Nikolova

(PO.A.45) A Versatile Strategy for Isoindole N-oxides Synthesis by Palladium-Catalyzed C-H Activation of Aldonitrones

Jakub Brzeškiewicz, Rafał Loska

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Sylwia Ostrowska, Barbara Stańska, Rafał Loska

(PO.A.47) Silver-Promoted Direct Alkylation of Electron-rich (Hetero)arenes with Malonates

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Anđela Buljan, Marin Roje

(PO.A.49) Synthesis and enantioseparation of syn- and anti-3,5-disubstituted hydantoins by HPLC and SFC on immobilized polysaccharides-based chiral stationary phases

Mladenka Jurin, Marin Roje

(PO.A.50) Synthesis and investigation of hosting efficiency of emissive hydrazone-based macrocycles targeting fluorescent-based sensing applications

Alexandra M. Purcărea, Anca G. Mirea, Anamaria Hanganu, Niculina D. Hădade, Anca Păun, Codruța C. Popescu, Mihaela Matache, Nicoleta Sandu

(PO.A.51) Tandem Diels-Alder-aza-Michael reaction - a new synthetic approach to rigid polycyclic guanidines

Luka Barešić, Zoran Glasovac, Davor Margetić

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Charlotte Hampton, Daniele Leonori

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(PO.A.54) Chemoselective CuAAC Reaction using Miscibility Difference in Water

Haeji Jung, Jung-Ah Shin, Yeong-Gweon Lim

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Lauri Happonen, Milla Mattila, Ivan Peshev, Arttu Lehikoinen, Arto Valkonen

(PO.A.56) Cyclodextrin polymeric fibers

Petra Karmazinova, Kristyna Havlickova, Michal Rezanka

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Jerik Mathew Valera Lauridsen, Margarita Poderyte, Ji-Woong Lee

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José Almeida, Augusto Tomé, Ana M. G. Silva, Maria Rangel

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Johannes Schörghener, Sergio Cuesta-Galisteo, Xiaofeng Wei, Estibaliz Merino, Cristina Nevado

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Sarah Dekoune, Ullrich Jahn, Ladislav Prener

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Anna Kmiecik, Marek Krzemiński, Aneta Jastrzębska

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(PO.A.63) Sustainable and highly controlled aryl couplings revealed by systematic assessment of photoactivatable linkers

Veit G. Haensch, Toni Neuwirth, Alexander Bergner, Jakob Bruhnke, Florian Kloss, Christian Hertweck

(PO.A.64) Electrochemical reduction of C-S bonds

Julius Kuzmin, Johannes L. Röckl, Jonas Djossou, Helena Lundberg, Pintu Maity

(PO.A.65) Lewis Base-Brønsted Acid Co-catalyzed Morita-Baylis-Hillman Reaction of Cyclic Sulfamidate Imines

Gaukhar Khassenova, Prof. Dr. Olga García Mancheño

(PO.A.66) A Metal-free Multicomponent Strategy for Amidine Synthesis

Anas Abo Raed, Zayed Alassad, Meital Shema Mizrachi, Mónica Pérez-Temprano, Anat Milo

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Zhaozheng Yang, Jean-Marie Lehn

(PO.B.1) A 3D oxalate-bridged [CuIIFeII] network as a photocatalyst and precursor for the preparation of CuFe₂O₄ spinel oxide

Lidija Molčanov, Marijana Jurić, Martina Vrankić, Lidija Androš Dubraja

(PO.B.2) The influence of alkyl-substituted ammonium cations on the structural arrangements and proton conductivity of the oxalate-based compounds of iron(III)

Marijana Jurić, Krešimir Molčanov, Sanja Burazer, Sanja Renka, Ana Šantić

(PO.B.3) Metal-organic adsorbents to enable water decontamination from persistent and mobile organic compounds

Soumya Mukherjee, Nebojša Ilić, Jörg E. Drewes, Roland A. Fischer

(PO.B.4) Novel copper-based/C composites: synthesis, morpho-structural characterization, and electrochemical properties

Adela-Maria Spinciu, Cristian Dumitru Ene, Silviu Preda, Jose Calderon Moreno, Cecilia Lete, Diana Visinescu

(PO.B.5) Robust iron(IV) and manganese(IV) clathrochelate complexes and their application in water oxidation catalysis

Sergii Shylin, Mariia Pavliuk, Igor Fritsky

(PO.B.6) Peripherally functionalized supramolecular grids and their post synthetic functionalization

Jan Holub

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Estibaliz Ruiz-Bilbao, Beñat Artetxe, Santiago Reinoso, Shaza Darwishc, Debobroto Sensharma, Leire San Felices, Garikoitz Beobide, Michael J. Zaworotko, Luis Lezama, Juan M. Gutiérrez-Zorrilla

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Rebecca Scheel, Lena Knauer, Carsten Strohmann

(PO.B.9) Selective Formation of Mixed Metal Sulphur Complexes of Copper(I) and d10 Transition Metals

Jonathan Wattenberg, Michael Knorr, Carsten Strohmann

(PO.B.10) Combining Coordination Chemistry and Carbolithiation

Annika Schmidt, Fernando Villafañe, Carsten Strohmann

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Tobias Schrimpf, Lukas Brieger, Rana Seymen, Carsten Strohmann

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Patrycja Wytrych, Łukasz John

(PO.B.13) Disubstituted T8-type cage-like silsesquioxanes: are they possible to obtain?

Kamila Fuchs, Edyta Kierasńska, Łukasz John

(PO.B.14) Titanium(IV) amino alkoxides: From academic curiosity to industrial application

Lyuba Iovkova, Britta Glowacki, Frank Richter, Klaus Jurkschat

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Kevin Maximilian Frankiewicz, Viktor Hlukhyy, Thomas Friedrich Fässler

(PO.B.16) Synthesis and Catalytic Activity of Phosphorylated Ten-Atomic [Ge₉Ni] Clusters

Nicole Sonja Willeit, Wilhelm Klein, Thomas Friedrich Fässler

(PO.B.17) A new look at molecular and electronic structure of homoleptic diiron(II,II) complexes with N,N-bidentate ligands: Combined experimental and theoretical study

Krzysztof Korona, Michał Terlecki, Dawid Pinkowicz, Adam Kubas, Janusz Lewiński

(PO.B.18) Photo-induced size control and selective guest binding of Pd₂L₄ coordination cages

Haeri Lee, Jacopo Tessarolo, Guido H. Clever

(PO.B.19) Cisplatin-based platinum(IV) conjugates immobilized in mesoporous silica SBA 15 prove highly potent against different breast cancer cell lines

Ivana Predarska, Mohamad Saoud, Ibrahim Morgan, Goran N. Kaluđerović, Evamarie Hey-Hawkins

(PO.B.20) Amino – functionalized Supermagnetic Fe₃O₄ Nanoparticles. Synthesis and interaction with the silver ion

Piotr Świder, Tadeusz Ossowski

(PO.B.21) Alkylaluminium derivatives of o-substituted benzoic acids: synthesis, structure and reactivity

Vadim Szejko, Iwona Justyniak, Michał Terlecki, Janusz Lewiński

(PO.B.22) Time-dependent Self-assembly of Copper(II) Coordination Compounds: New Catalysts for Mild Oxidative Functionalization of Alkanes

Inês Filipa Morais da Costa, Marina V. Kirillova, Vânia André, Tiago A. Fernandes, Alexander M. Kirillov

(PO.B.23) Sustainable development of a novel rosamine loaded metal-organic framework as a powerful fluorescent nanoplatform for sensing of Cu(II)

Fábio Martins, Carla Queirós, Paula Gameiro, Ana M. G. Silva

(PO.B.24) Preparation of porphyrin derivatives of Tröger's and spiro-Tröger's base

Tereza Navrátilová, Bohumil Dolenský

(PO.B.25) Bioactive Metal-Organic Networks for Antimicrobial Applications

Alexander Kirillov

(PO.B.26) Systematic investigation of the influence of electronic substituents on dinuclear gold(I) amidinates: Synthesis, characterisation and photoluminescence studies

Frederic Krätschmer, Xin Gui, Michael T. Gamer, Wim Klopper, Peter W. Roesky

(PO.B.27) Photodissociation studies of half-sandwich type Ru(II) complexes containing different (N,N) chelates

Linda Bíró, Adrienn Molnár, Viktória Bernadett Barna

(PO.B.28) 2D and 3D silver(I) metal-organic architectures assembled from 1,3,5-triaza-7-phosphaadamantane-7-oxide and 1,3,5-triaza-7-phosphaadamantane-7-sulfate: synthesis, structural features, and antimicrobial activity

Justyna Markieton (a),*, Sabina Jaros (a)**, Magdalena Florek(b) Dmytro S. Nesterov(c), Alexander M. Kirillov(a), Piotr Smoleński(a)

(PO.B.29) Group-4 metal based MOFs. Adsorption and catalytic properties of EHU-30 family

Sonia Pérez-Yáñez, M. Perfecto-Irigaray, N. Landaluze, N. Luengo, G. Beobide, O. Castillo

(PO.C.1) Bioinspired catalysis and hydrogen technologies: When nanosciences and electrocatalysis flow together

Vincent ARTERO

(PO.C.2) Polyelectrolyte complexes of substituted macrocycles and native DNA in the assembly of electrochemical (bio)sensors

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(PO.C.3) DNA-ferrocene as two-step-mechanophore

Emilie JEAN-PIERRE, Katharina M. FROMM

(PO.C.4) Photocyclization to form new cell permeable cyclodepsipeptides

Basile PÉRÈS, Leandro DOS SANTOS, Virginie FAURE, Mylène PEZET, Pascal MOSER, Marie-Ange LESPINASSE, Yung-Sing WONG

(PO.C.5) Donor atom preference of metal ions with biological relevance to construct heterobimetallic complexes having likely hypoxia activation

Linda Bíró, Etelka Farkas, Imre Nagy, Sándor Nagy, András Ozsváth, Attila Csaba Bényei, Péter Buglyó

(PO.C.6) Unlocking the recognition of the immunomodulatory human macrophage galactose C-type lectin

Ana Diniz, Carlos D L Lima, Helena Coelho, Jorge S. Dias, Marta G. Lete, Fayna Garcia-Martin, Ulrika Westerlind, Eurico J Cabrita, Jesús Jiménez-Barbero, F. Javier Cañada, Francisco Corzana, Filipa Marcelo

(PO.C.7) Structural features and health effects of water-soluble organic matter from atmospheric fine particulate matter

Antoine S. Almeida, Bruno M. Neves, Regina M. B. O. Duarte

(PO.C.8) A traceless strategy for the cytosolic delivery of proteins via thiol-mediated uptake

John Maynard, Stefan Matile

(PO.C.9) Sharing compounds across Europe: EU-OPENSREEN as the European research infrastructure for chemical biology

Bahne Stechmann

(PO.C.10) Expanding enzymes' abilities with redox-dismantlable synthetic organometallic catalysts

Benjamin Large, Rosalind Booth, Alex Miller, Anne-Kathrin Duhme-Klair

(PO.C.11) The nitrosylation of Vitamin B12 derivatives. What is the role of interaction between Vitamin B12 derivatives and selected intracellular antioxidants in NO/NO⁻ chemistry?

Justyna Polaczek, Maria Oszajca, Grażyna Stochel, Rudi van Eldik

(PO.C.12) Factors governing the competition between Sr²⁺ and Ca²⁺ in biological systems. Implications for strontium therapy

Karine Mazmanian, Cedric Grauffel, Todor Dudev, Carmay Lim

(PO.C.13) Panoramic overview of unconventional approaches to detect chiral information

Serena Arnaboldi, Gerardo Salinas, Giorgia Bonetti, Roberto Cirilli, Tiziana Benincori, Nicolas Mano, Alexander Kuhn

(PO.C.14) Rare metals catalyse a potentially prebiotic carbon fixation pathway

Emilie Werner, Joseph Moran

(PO.C.15) Synthesis of a responsive paraCEST contrast agent for the magnetic resonance imaging of sulfatase-expressing tumors

I.M. Welleman, F. Reessing, R. A. J. O Dierckx, B. L. Feringa, H. Boersma, Hanzeplein 1, 9713 GZ

(PO.C.16) Mechanisms of Action of the Abiogenic Silver (I), Strontium (II), and Gallium (III) in Medicine. Insights from a Computational Study

Nikoleta Kircheva, Valya Nikolova

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Harpreet Kaur, Joseph Moran

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Farid Sepanta, Cynthia Joll, Jean-Philippe Croue

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LARA TRONCOSO-AFONSO, María Tomás-Gamasa, Jose Luis Mascareñas Cid

(PO.C.21) Detection of glucose-derived D- and L-lactate in erythrocytes and cancer cells by use of a chiral NMR shift reagent

Carlos F. G. C. Geraldes, Eul Hyun Suh, Sara Chirayil, Ralph J. DeBerardinisc, A. Dean Sherry

(PO.C.22) Changes in the secondary structure of lysozyme after complexation with ferulic acid

Daiana Leithardt, Cândida Tomaz, António Mendonça

(PO.C.23) Immobilisation of a redox-reversible artificial metalloenzyme on nitrilotriacetic acid-modified gold electrodes

N. G. Baranska, S. D. Johnson, A. Parkin, A.-K. Duhme-Klair

(PO.C.24) The Ser220Cys polymorphism of the β 2-adrenergic receptor can influence interactions with G proteins

Aneta Archala, Anita Plazinska

(PO.C.25) Toward Multifunctional Dynamic Covalent Polymers for siRNA Delivery

José García Coll, Laure Lichon, Yannick Bessin, Lamiaa M. A. Ali, Nadir Bettache, Sébastien Ulrich

(PO.C.26) Unconventional Cleavage mechanism of mRNA XBP1 by IRE1 Rnase

Sayyed Jalil Mahdizadeh, Emil Pålsson, Antonio Carlesso, Eric Chevet, Leif A. Eriksson

(PO.C.27) Electro-fermentation as a tool to control microbial fermentations with electrochemical systems

Vasile Coman, Bernadette-Emőke Teleky, Daniel Gabriel Barta, Dan Cristian Vodnar

(PO.C.28) Nucleophile-N(5)-adducts to flavins and flavinium salts – intermediates in organocatalytic umpolung systems

Adam Pokluda, Ekaterina Zubova, Martin Krupička, Radek Cibulka

(PO.C.29) Glucans: From spent yeast to an ingredient with skin repair properties

Pedro Sousa, Helena R. Moreira, António Conde, João Azevedo Silva, Manuela Amorim, Diana Tavares Valente, Manuela Pintado, João Fernandes

(PO.C.30) MNTR proteins as manganese metallosensors in bacillus subtilis and mycobacterium tuberculosis

Branimir Bertosa, Zoe Jelic Matosevic, Mislav Brajkovic, Ivana Lescic Asler, Rui P. P. Neves, Pedro A. Fernandes, Ignacy Cukrowski

(PO.C.31) Manganese binding reduces the available conformational space in the MntR protein from Bacillus subtilis

Zoe Jelic Matosevic, Jolene Loubser, Ignacy Cukrowski, Branimir Bertoša

(PO.C.32) Gaining insight into structure-activity relationship of natural products – Synthesis of vincamine derivatives and investigation of their bioactivities

Christina Schedl, Lothar Brecker

(PO.C.33) Isonitriles as a potential new class of anti-malarials? – Synthesis of natural product-derived isonitriles and binding studies

Evelyn Fülöp, Lothar Brecker

(PO.C.34) Inhibition of Thiol-Mediated Uptake with Pnictogen-Expanded Cascade Exchangers

Bumhee Lim, Takehiro Kato, Celine Besnard, Amalia I. Poblador-Bahamonde, Naomi Sakai, Stefan Matile

(PO.C.35) Bioleaching and chemical leaching of nickel laterite using Burkholderia sp.

Ellen Cristine Giese, Hannah Lima Carpen, Claudio Luiz Schneider

(PO.C.36) Design, Synthesis, and Biological Evaluation of a Novel VEGFR-2 Inhibitor Based on a 1,2,5-Oxadiazole-2-oxide Scaffold with MAPK Signaling Pathway Inhibition

Mahrous A. Abou-Salim, Abdullatif Bin Muhsinah

(PO.C.37) Why not nucleosides in meteorites? An approach based on mechanochemical studies

Gustavo Pinho Maia, Adelino Leitão de Moura Galvão, Ana Paula da Costa Ribeiro, José Armando Luísa da Silva

(PO.C.38) Synthesis and characterization of pegylated Er³⁺ and Nd³⁺ doped yttrium oxide nanoparticles

Ester Butera, Regina Maria Chiechio, Maria José Lo Faro, Paolo Musumeci, Riccardo Reitano, Rosalia Battaglia, Angela Caponnetto, Cinzia Di Pietro, Michele Purrello, Marco Ragusa, Davide Barbagallo, Annalinda Contino, Giuseppe Maccarrone

(PO.C.39) Development of dyes/tracers for the analysis of different kidney functions

Srishti Vajpayee, Mohammed M Yusuf, Tiziana Picascia, Yinuo Xie, João Faria, James Littlewood, Rosalinde Masereeuw, Norbert Gretz, Rossana Perciaccante

(PO.C.40) Computational discovery of compounds against Parkinson's Disease through pharmacophore directed docking

Víctor Giménez-Oya, Ana Cañuelo, Jaime Rubio-Martínez, José M. Granadino-Roldán

(PO.C.41) On the Role of Simple Polyphenols in the Aggregation of Parkinson's Disease Related Peptides

Gabriel Martins, Catarina Nascimento, Nuno Galamba

(PO.C.42) Submicron polystyrene particles affect on the colorectal adenocarcinoma cell line DLD-1

Kacper Michał Naumowicz, Marcin Zajęc, Mateusz Worobiczuk, Joanna Kotyńska, Agata Jabłońska-Trypuć, Monika Naumowicz

(PO.C.43) A combined chemistry and biophysics approach to understanding the tear film lipid layer

Tuomo Viitaja

(PO.C.44) DNA Biosensors For Capacitive Detection Of Viral RNA

Perrine Robin, Alireza Kavand, Lucas Mayoraz, Dr. Davide Staedler, Prof. Francesco Bertoni, Dr. Igor Stefanini, Prof. Sandrine Gerber-Lemaire

(PO.C.45) Discovery of Small-Molecule Antidotes for B. asper Viper's Venom

Joana R. Silva, Ana N. de Oliveira, Maria João Ramos, Pedro A. Fernandes

(PO.C.46) A New Strategy to Induce Self-assembly with A Carbodiimide-fueled Reaction Cycle

Xiaoyao Chen, Jennifer Rodon-Fores, Michele Stasi, Kun Dai, Marta Tena-Solsona, Job Boekhoven

(PO.C.47) Fenoterol and its analogues as potential new drugs in the heart failure therapy: a molecular modeling and in vivo zebrafish study

Anita Plazinska, Monika Maciag, Wojciech Plazinski, Michal Kolinski

(PO.C.48) Total synthesis and characterization of tear film wax- and cholesteryl esters

Jan-Erik Raitanen, Tuomo Viitaja, Jukka Moilanen, Riku Paananen, Filip Ekholm

(PO.C.49) Fumiquinazoline analogues: Synthesis, antibacterial activity and assessment of potential as efflux pump inhibitors

Mariana C. Almeida, Nikoletta Szemerédi, Fernando Durães, Diana I. S. P. Resende, Paulo M. da Costa, Madalena Pinto, Gabriella Spengler, Emília Sousa

(PO.C.50) The zeta potential changes of Escherichia Coli membranes by the exposure to nonfunctionalized and functionalized polystyrene nanoparticles of various sizes

Mateusz Worobiczuk, Marcin Zajęc, Kacper Michał Naumowicz, Grzegorz Zambrowski, Joanna Kotyńska, Izabela Świącicka, Monika Naumowicz

(PO.C.51) Electrophoretic Light Scattering technique for electrical characterization of liposomes mimicking microbial membranes upon interaction with phenolic acids and their metal complexes

Monika Naumowicz, Mateusz Worobiczuk, Kacper Michał Naumowicz, Beata Godlewska-Żytkiewicz

(PO.C.52) An MS multi-omics approach to drug repurposing - unravelling hidden mechanisms of drug action

Cátia F. Marques, Pedro F. Pinheiro, Gonçalo C. Justino, M. Matilde Marques

(PO.C.53) Silica-based imprinted particles as adenovirus scavengers

Sandra Dietl, Paul Walther, Harald Sobek, Boris Mizaikoff

(PO.C.54) Histidine, Leucine and Isoleucine as dietary supplements. Formation of N-Nitrosocompounds

Aura Marcela Corzo Gualdrón, María del Pilar García Santos

(PO.C.55) In vitro gastrointestinal digestion of purified anthocyanins enhances cytotoxicity in colonic cancer in vitro
Zorita Diaconeasa, Georgiana Dretcanu, Bianca enaru, Cruceiru Daniel

(PO.C.56) New composites incorporating silver(I) coordination polymers and their antibacterial and antiviral potential
Sabina Weronika Jaros, Barbara Bażanów, Magdalena Florek, Dmytro S. Nesterov, Piotr Smoleński, Alexander M. Kirillov

(PO.C.57) Ectomycorrhizal fungi alleviate high temperature stress in pedunculate oak (*Quercus robur*) through modulation of polyamine metabolism

Marko Kebert, Saša Kostić, Eleonora Čapelja, Saša Orlović, Srđan Stojnić, Vanja Vuksanović

(PO.C.58) Cyclolinopeptides in Linseed Oil

Adnan Fojnica, Hans-Jörg Leis, Michael Murkovic

(PO.C.59) Structural, dynamic, and self-assembly properties of gluten peptides in complex solutions and interaction with intestinal-like epithelial membrane models

Ricardo Dias, Beatriz Campos, Andreia Silva, Ana Reis, Nuno Mateus, Victor Freitas

(PO.D.1) Fabric Phase Sorptive Extraction: A Universal Sample Preparation Technology for Drug Discovery Investigations Directly from Whole Blood

Abuzar Kabir, Marcello Locatelli, Kenneth G. Furton, Halil I. Ulusoy, Angela Tartaglia

(PO.D.2) N-based silane coupling agents for application in silica/SSBR/BR hybrid composite systems

Myong Joon Oh, Ireneusz Kownacki

(PO.D.3) Si-Cl reduction as a route to obtain dendritic systems with silsesquioxane cores

Aleksandra Mrzygłód, Julia Duszcak, Beata Dudziec

(PO.D.4) Developing a self-healing bio-based material halogen bond

Olivier Hintiroglou, Daniela Vuluga, Fabrice Burel

(PO.D.5) Growth kinetics modeling of seedless, one-pot synthesized gold nanostars for probe-based lateral flow immunochromatographic assay

Vinayak Sharma, Bilal Javed, Furong Tian

(PO.D.6) The influence of water-based diketopyrrolopyrrole supramolecular architectures on photocatalysed sulfoxidation reactions

Valentina Gauci, Alistair Boyer, Dave J. Adams

(PO.D.7) Phase and morphology change of CePO₄ obtained by microwave-assisted hydrothermal method: a study of the synthesis time and solvents used

Priscila Barros de Almeida, Rafael Aparecido Ciola Amoresi, Katiana Lima do Patrocínio, Ricardo Tranquillin, Alexandre Zirpoli Simões, Elson Longo

(PO.D.8) Contractile frameworks of optically commanded switches: towards a mechanized nano-sponge

Jinyu Sheng, Ben L. Feringa

(PO.D.9) Less is more: application-driven organometallic approach for the synthesis of zinc oxide nanocrystals

Maria Jędrzejewska, Małgorzata Wolska-Pietkiewicz, Zygmunt Drużyński, Janusz Lewiński

(PO.D.10) Supramolecular Synthron Promiscuity in Phosphoric Acid–Dihydrogen Phosphate Ionic Cocrystals

Molly May Haskins, Matteo Lusi, Michael J. Zaworotko

(PO.D.11) Application of stone sludge in the preparation of alginate films with potential antimicrobial activity

Pedro Adão, Maria da Luz Calado, Leonor Côrte-Real, Mafalda Guedes, Raúl Bernardino, Susana Bernardino, Maria Jorge Campos, Maria M. Gil

(PO.D.12) Low Dimensional Magnetism in Ordered Perovskite and Ruddlesden-Popper Variants

Ryan Morrow, Anastasiia Smerechuk, Tamara Holub

(PO.D.13) Assessment of the impact of polystyrene nanoparticles on *Stevia rebaudiana* plants grown in vitro

Loredana F. Leopold, Florina V. Scurtu, Doina Clapa, Nicolae Leopold, Stefania D. Iancu, Floricuța Ranga, Sonia A. Socaci, Cristina Coman

(PO.D.14) Formulation of colloidal nanosystems with Au/Ag and citrus essential oils

Sonia Socaci, Cristina Coman, Loredana Leopold, Anca Farcas, Dan Vodnar, Ioana Oprea, Elemer Simon

(PO.D.15) Insight into the Formation Mechanism of ZrO₂ and HfO₂ Nanocrystals

towards Size-Tunable Syntheses

Rohan Pokratath, Lermusiaux Laurent, Dietger Van den Eynden, Susan Rudd Cooper, Jette Katja Mathiesen, Valérie Waser, Soham Banerjee, Mike Devereux, Simon J. L. Billinge, Markus Meuwly, Benjamin Abécassis, Kirsten M. Ø. Jensen, Jonathan De Roo

(PO.D.16) Neighbour-based characterization to reconstruct the intrinsic dynamics of supramolecular self-assembled structures

Martina Crippa, Annalisa Cardellini, Cristina Caruso, Giovanni Maria Pavan

(PO.D.17) Precise control over nanoparticle synthesis through supramolecular preorganization

L.L. Metz, J. N. H. Reek

(PO.D.18) Novel Sr doped titanate nanowires/g-C₃N₄ photocatalytic active films for photo-assisted degradation of emergent pollutants

Olinda C. Monteiro, Luísa D. Chiavassa, Virgínia C. Ferreira, Tomasz Łęcki, Kamila Zarębska, Magdalena Skompska

(PO.D.19) Nanostructure in 1-alkyl-3-methylimidazolium cations combined with alkyl-sulfonate anions Homologous Series

Hugo Marques, J. N. Canongia Lopes, Adilson A. Freitas, Karina Shimizu

(PO.D.20) Tuning the gelation ability of a shared scaffold by inserting fluorine atoms

Paolo Ravarino, Nadia Di Domenico, Demetra Giuri, Claudia Tomasini

(PO.E.1) Resorc[4]arene-functionalized MWCNTs for the development of high selective and sensitive immunosensors

Silvia Cammarone, Francesca Ghirga, Gabriele Cianfoni, Deborah Quaglio, Andrea Calcaterra, Robertino Zaroni, Franco Mazzei, Bruno Botta

(PO.E.2) Ionic composites of starch and chitosan as drug delivery systems

Melinda Maria Bazarghideanu

(PO.E.3) Alpha-Helically enhanced synthetic peptides derived from ACE2 as potential SARS-CoV-2-Spike inhibitors

Pascal Markus Engelhardt, Sebastian Florez-Rueda, Prof. Dr. Ines Neundorff, Dr. Ronald Kühne, Prof. Dr. Hans-Günther Schmalz

(PO.E.4) Immobilization of acid glycoprotein on magnetic nanoparticles coated with starch

Kinga Mylkie, Paweł Nowak, Marta Ziegler-Borowska

(PO.E.5) Heavy metals and associated health risks in wild edible mushrooms: Bioconcentration factors and consumer health implications

Cristiana Radulescu, Ioana Daniela Dulama, Ioan Alin Bucurica, Sorina Geanina Stanescu

(PO.E.6) Carboranyl analogues of the non-steroidal anti-inflammatory drug mefenamic acid

Liridona Useini, Marija Mojić, Markus Laube, Peter Lönnecke, Jonas Dahme, Menyhárt B. Sárosi, Sanja Mijatović, Danijela Maksimović-Ivanić, Jens Pietzsch, Evamarie Hey-Hawkins

(PO.E.7) Application of the versatile reactivity of 5-aminotetrazole scaffold in the synthesis of biologically active compounds

Andrea Nikolić, Života Selaković, Vladimir Ajdačić, Boban Anđelković, Matija Zlatar, Maja Gruden, Natasa Radakovic, Aleksandar Pavic, Igor Opsenica

(PO.E.8) Double-Decker Silsesquioxanes as Hybrid Molecular Building Blocks: Synthesis and Bioapplication

Anna Władyczyn, Łukasz John

(PO.E.9) Valsartan-Catechol Deep Eutectic System: A thermoanalytical study

Patricia O. Ferreira, João A. Baptista, Amanda C. Almeida, Giovanna de P. Costa, Laura T. Ferreira, M. Ermelinda S. Eusébio, Flavio J. Caires, Ricardo A. E. Castro

(PO.E.10) CycloSiFA: The Next Generation of Silicon-Based Fluoride Acceptors for Positron Emission Tomography (PET)

Matthias Mawick, Jens Bittermann, Ljuba Iovkova, Klaus Jurkschat, Norbert Krause

(PO.E.11) Investigation of Leoligin Derivatives as NF- κ B Inhibitory Agents

Eleni Papaplioura, Michael Schnürch

(PO.E.12) Lipophilic dopamine derivatives prevent cold damage to cells

Ralf Lösel, Benito Yard

(PO.E.13) The specificity of interaction of Zn(II), and Ni(II) with the α 5 domain from mycobacterial SmtB and BigR4 transcription regulators

Anna Rola, Elżbieta Gumienna-Kontecka, Sławomir Potocki, Paulina Potok

(PO.E.14) Iron (II) clathrochelates – synthesis and spectral characterisation of the first fluorescein tagged derivative

Andrzej Mular, Insa Klemt, Viktor Ya. Chernii, Mykhaylo Yu. Losytsky, Svitlana Chernii, Vladyslava B. Kovalska, Yan Z. Voloshin, Anna V. Vologzhanina, Pavel V. Dorovatovskii, Andriy Mokhir, Elzbieta Gumienna-Kontecka

(PO.E.15) Polymeric systems as carriers of fluorinated curcumin analogues exhibit anticancer activity

Kuźmińska Joanna, Stawny Maciej, Kobyłka Paulina, Kucińska Małgorzata, Sobczak Agnieszka, Muszalska-Kolos Izabela, Murias Marek, Gośliński Tomasz, Anna Jelińska

(PO.E.16) Synthesis of open-cage silsesquioxanes containing methacrylates as sidearms

Marta Madej-Gajewska, Łukasz John

(PO.E.17) Chitosan-based materials featuring multiscale anisotropy for wider tissue engineering perspectives

George Mihail Vlasceanu, Mariana Ionita, Corina Cristiana Popescu, Horia Iovu

(PO.E.18) Synthesis of novel sclareol derivatives and evaluation of their anticancer activity

Pavle Stojković, Ana Kostić, Nataša Terzić Jovanović, Miroslav Novakovic, Antoaneta Trendafilova, Milica Pešić, Igor M. Opsenica

(PO.E.19) Purely hybrid organosilane (nano)fibres for possible applications in medicine

Johana Kulhánková, Veronika Mánková, Barbora Nikendey Holubová, Christopher J. Hobbs, Věra Hedvičáková, Jana Musílková, Michal Řezanka

(PO.E.20) Development of a Lateral Flow Assay for Quantification of Amitriptyline

Monika Conrad, Esteban Builes, Andreas Dietzel, Markus Wiegand, Albert Sill, Günther Proll, Günter Gauglitz

(PO.E.21) Synthesis and biological activity of hydroxy-substituted N-benzimidazole carboxamides

Anja Beč, Marijeta Kralj, Katarina Zlatić, Kristina Starčević, Branimir Bertoša, Marijana Hranjec

(PO.E.22) Synthesis, antiproliferative activity and DNA binding of amino and amido substituted pentacyclic benzimidazole derivatives

Marijana Hranjec, Nataša Perin, Marjana Gulin, Marija Kos, Leentje Persoons, Dirk Daelmans, Iva Zonjić, Marijana Radić Stojković, Robert Vianello

(PO.E.23) Synthesis and biological activity of newly designed 2-benzothienyl and 2-bithienyl amidino-substituted benzazole derivatives

Livio Racané, Maja Cindrić, Emina Mehić, Grace Karminski-Zamola, Katarina Zlatić, Marijeta Kralj, Martin C. Taylor, John M. Kelly, Marijana Hranjec

(PO.E.24) Synthesis and in vitro anthelmintic activity evaluation of some new guanidinobenzimidazole derivatives

Kameliya Anichina, Anelia Mavrova, Emilia Naydenova, Dimitar Vutchev, Galya Popova-Daskalova, Emiliya Cherneva, Nikolay Lumov, Denitsa Yancheva

(PO.E.25) Glucose-powered janus nanomotors for active anticancer drug delivery

Andrea Escudero Noguera, Elena Lucena Sánchez, Francisco Javier Hicke García, Alba García Fernández, Paula Díez Sánchez, Ramón Martínez Máñez

(PO.E.26) Addressing the principle of polypharmacology in cancer therapy – Carborane-containing drugs as dual enzyme inhibitors

Sebastian Braun, Svetlana Paskaš, Markus Laube, Sven George, Bettina Hofmann, Peter Lönnecke, Dieter Steinhilber, Jens Pietzsch, Sanja Mijatović, Danijela Maksimović-Ivanić, Evamarie Hey-Hawkins

(PO.E.27) Analogues of the phorbazole natural products

Beate Halsvik, Annette Bayer, Bengt Erik Haug

(PO.E.28) Design, synthesis and Biological evaluation of New, glycolipid-based Toll-Like Receptor 4 (TLR4) Modulators

Alessio Romerio, Ana Rita Franco, Valentina Artusa, Mohammed M. Shaik, Federico Lami, Francesco Peri

(PO.E.29) Interpolyelectrolyte complexes chitosan based. Encapsulation of fungicide agents of nitro Eugenol derivatives. A physicochemical study

Nancy Alvarado, Diego Díaz, Rodolfo Plaza, Franco Santana

(PO.E.30) Design, Synthesis and Antitumor activities of novel α , β -unsaturated ketones molecules: EGFR inhibition by molecular modeling study

ANKUR SOOD, Prof V Kesavan

(PO.E.31) Fluoride-mediated breaking of Oxygen-Silicon bonds (FOSi)-method for radiolabeling of peptides

Louise Bergsjø Sand, Ole Heine Kvernenes, Bengt Erik Haug

(PO.E.32) Dextrans, pullulan and lentinan, new scaffold materials for use as hydrogels in tissue engineering

Pascal Lienig, Samhita Banerjee, Franziska Kenneweg, Andreas Kirschning, Gerald Dräger

(PO.E.33) Bringing Quantum to the Neurons: Machine learning based Drug Discovery

Filipe Menezes, Till Siebenmorgen, Grzegorz M. Popowicz

(PO.E.34) In-Silico Tools for Analysis of Protein-Ligand Interactions: In-Pocket Optimization and a new Energy Decomposition Analysis

Filipe Menezes, Grzegorz M. Popowicz

(PO.E.35) Tailor-Made, Self-Healing Hydrogels For Biomedical Applications

Wiebke Schnettger, Ricarda Lüttig, Dr. Leif Dehmelt, Prof. Dr. Ralf Weberskirch

(PO.E.36) AI driven drug discovery using MD and structural data

Till Siebenmorgen, Filipe Menezes, Grzegorz M. Popowicz

(PO.E.37) Preparation of 3,5-difluoro-2,4,6-tris(perfluorophenoxy)benzaldehyde for the synthesis and characterization of BODIPY (meso-trisperfluorophenoxyphenyl)

Chrislaura Bellini do Carmo, Juliana Araújo, Leonardo F. Kleman, Mafalda Laranjo, Abílio J. F. N. Sobral

(PO.E.38) Targeting selective butyrylcholinesterase inhibition with purine nucleosides

Vasco Cachatra, Amélia P. Rauter, Oscar Lopez, José G. Fernandez-Bolaños

(PO.E.39) Innovative methods for determine psychotropic substance and it's metabolites for clinical and forensic purpose

Renata Wietecha-Postuszny

(PO.E.40) Harmonic nanoparticles functionalization with proteins for cancer active targeting

Alessandra Spada, Adrian Gheata, Elise Ansart, Manon Wittwer, Sandrine Gerber-Lemaire

(PO.E.41) Fabrication of bovine serum albumin based biocomposite for the protein sensing application

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(PO.E.42) Functionalization of harmonic nanoparticles with lanthanide chelates for multimodal imaging applications

Adrian Gheata, Alessandra Spada, Simon Dumolard, Manon Wittwer, Paulí Llussa, Luigi Bonacina, Anne-Sophie Chauvin, Sandrine Gerber-Lemaire

(PO.E.43) Aryl piperazine ligands as novel 5-lipoxygenase inhibitors. Biological and computational studies

Simón Torres, Michelle Muñoz, Pilar Morales, Carolina Mascayano

(PO.E.44) Synthesis and characterization of Iron-based Metal-Organic Frameworks from terephthalic acid derivates for Cancer Photodiagnostic and Magnetic Hyperthermia Therapy

Juliana Araújo, Chrislaura Carmo, Laura C. J. Pereira, Abílio J. F. N. Sobral

(PO.E.45) Synthesis and characterization of "ferroleutón", the first organometallic complex of the drug zileuton: in-silico and in-vitro studies against human 5-Lipoxygenase

Elizabeth Navarrete, Erick Flores, Pilar Morales, Fernando Godoy, Carolina Mascayano

(PO.E.46) New Concept for the Development of a Thermal Release Strategy of locked nucleic acids for Gene Therapy

Katharina Hempel

(PO.E.47) Insights into the cytotoxic properties of fluorescent silver camphorimine complexes for bone cancer therapy

Joana P. Costa, Marta M. Alves, Suzana Andrade, Fernanda Marques, M. Fernanda N. N. Carvalho

(PO.E.48) Glycoconjugates as potential delivery agents for Boron Neutron Capture Therapy

Jelena Matović, Juulia Järvinen, Iris K. Sokka, Surachet Imlimthan, Mirkka Sarparanta, Mikael P. Johansson, Jarkko Rautio, Filip S. Ekholm

(PO.E.49) Redesigning Clozapine for the Potential Treatment of Melanoma Brain Metastases

Sara Barranco Campos, Tobias Espedal Wikerholmen, Erlend Moen Taule, Frits Alan Thorsen, Hans-René Bjørsvik

(PO.E.50) Resveratrol theranostic microsystems designed for in vitro laser-induced treatment in diabetic retinopathy

Pop Roxana, Nistor Madalina, Stoia Daria, Campu Andreea, Focsan Monica, Pintea Adela, Rugina Dumitrita

(PO.E.51) New 5(6)-methyl-1H-benzimidazol-2-yl hydrazones: synthesis, combined evaluation of the anthelmintic and antioxidant activity and performed quantum-chemical calculations

Maria Argirova, Miglena Georgieva, Nadya Hristova-Avakumova, Dimitar Vuchev, Kameliya Anichina, Denitsa Yancheva

(PO.E.52) Innovative drug-loaded scaffolds for post operatory infections treatment

Ana-Maria Puscasu

(PO.E.53) 19-Oxygenated steroidal D-homo lactones: synthesis, in silico ADME and in vitro screening of binding affinity to ER, AR or aromatase

Ivana Kuzminac, Sofija Bekić, Andjelka Čelić, Edward Petri, Dimitar Jakimov, Marija Sakač

(PO.E.54) Studies towards the Development of Small Molecule Inhibitors of Chorismate Synthase (CS)

Maria Degli Innocenti, Katharina Fuchs, Aleksandar Bijelic, Peter Macheroux, Rolf Breinbauer

(PO.E.55) Innovation in the Development of Polyphenol C-Glucosides with Disease-Modifying Effects against Alzheimer's Disease

Ana Marta de Matos, Amélia Pilar Rauter

(PO.E.56) Ferrocenyl chalcones as novel and potent inhibitors of 5-hLOX. Synthesis, biological and computational studies

Michelle Muñoz-Osses, Simón Torres, Elizabeth Navarrete, Pilar Morales, Carolina Mascayano

(PO.E.57) Preparation of copper complexes from benzimidazole-2-yl hydrazones containing salicylic moiety and cytotoxicity study

Emiliya Cherneva, Maria Argirova, Georgi Momekov, Rositsa Mihaylova, Miglena Georgieva, Denitsa Yancheva

(PO.E.58) Finding potential anti-MRSA compounds targeting PBP2a

Pedro C. Rosado, Gonçalo C. Justino, M. Matilde Marques

(PO.E.59) Amaryllidaceae-type alkaloid derivatives as ABCB1 inhibitors in resistant human colon adenocarcinoma cancer cells and synergistic interaction with doxorubicin

Shirley Sancha, Nikolett Szemerédi, Gabriella Spengler, Maria-José U. Ferreira

(PO.E.60) A Molecular Dynamics approach for unveiling the nanosegregation of novel biocompatible ILs and their aqueous solutions

Lois Morandeira, M^a Ángeles Sanromán, Adilson Alves de Freitas, José N. Canongia Lopes, Karina Shimizu

(PO.E.61) Bisubstrate-based inhibitors of N-terminal acetyl transferases

Nina Henne, Markus Baumann, Line M. Myklebust, Thomas Arnesen, Bengt Erik Haug

(PO.E.62) Anti-inflammatory studies of succinimides with cyclic-ketoester derivatives using in-vitro, in-vivo, in-silico and phlogistic models

Yahya S. Alqahtani, Muhammad Saeed Jan, Mater H. Mahnashi, Bandar A. Alyami, Ali O. Alqarnia, Umer Rashidc, Fawad Mahmood, Muhammad Tariq, Abdul Sadiq

(PO.E.63) Modulation effect on tubulin polymerization and cytotoxicity studies of 1H-benzimidazole-2-yl and 5(6)-methyl-1H-benzimidazole-2-yl hydrazones

Denitsa Yancheva, Maria Argirova, Maya Guncheva, Georgi Momekov, Emiliya Cherneva, Irina Georgieva, Vanya Milanova, Rumiana Tzoneva, Miroslav Rangelov, Nadezhda Todorova, Kameliya Anichina

(PO.E.64) Reversion of drug resistance – a carboranic approach

Philipp Stockmann, Lydia Kuhnert, Walther Honscha, Evamarie Hey-Hawkins

(PO.E.65) Exploiting the Warburg effect to target mutant p53: synthesis of tryptophanol-derived oxazoloisoindolinones glucoconjugates

Paulo Anastácio F. Pacheco, Maria M. M. Santos

(PO.E.66) [1,3]thiazolo[3,2-a]benzimidazol-3(2H)-ones containing aryl and heteroaryl fragments at 2-position: synthesis, structural characterization, antiproliferative and radical scavenging activity

Nikolay Lumov, Kameliya Anichina, Simeon Stoyanov, Neda Anastassova, Nadya Hristova-Avakumova, Maya Guncheva, Georgi Momekov, Emiliya Cherneva, Denitsa Yancheva

(PO.E.67) Supercritical CO₂ applied on the production of liposomal dry powder formulations suitable for the treatment of inflammatory lung diseases

Clarinda Costa, Beatriz Nobre, Ana Sofia MAtos, Ana Sofia Silva, Teresa Casimiro, Maria Luísa Corvo, Ana Aguiar-Ricardo

(PO.E.68) Green Synthesis of Novel Benzoxazole Derivatives with Antitumoral Potential

Anja Rakas, Dajana Kučić Grgić, Leentje Persoons, Els Vanstreels, Dirk Daelemans, Tatjana Gazivoda Kraljević

(PO.E.69) Synthesis of phosphoglycoglycerols

Luís Pinheiro, Catarina Cipriano, Patrícia Máximo, Paula S. Branco

(PO.E.70) An Unexpected Loss of Chirality: Challenges in the Synthesis of an Aminopyrrolidine core

Rafael Rippel, Flavia Leitão, Miglena Georgieva, Paula Branco, Luísa Ferreira

(PO.E.71) Phytochemical, Proximate Elemental and Anti-diabetic Studies of the Methanol Rhizome Extract of *Curcuma Longa* and its column fractions on normal and diabetic rats

Dr. Mustapha A. Tijjani

(PO.E.72) N,N-dimethylglycine-amantadine – synthesis and biological activity (anti Parkinson)

Radoslav Chayrov, Reni Kalfin, Mariya Lazarova, Ivanka Stankova

(PO.E.73) Artificial Intelligence Approaches for Antibiotic Discovery

Cesar de la Fuente

(PO.E.74) Multivalent Self-Assembled drug delivery system for combined treatment of Advanced Colorectal Cancer Therapy

Federica Santino, Ginevra Berardi, Daniel Pulido, Miriam Royo

(PO.E.75) Photosensitive packaging materials for microorganism photoinactivation

Carolina V. Domingos, Rafael T. Aroso, Giusi Piccirillo, Teresa M.R. Maria, M. Ermelinda S. Eusébio, Ricardo A. E. Castro, Gabriela J. da Silva, Rui M. B. Carrilho, Mariette M. Pereira

(PO.F.1) Fe-N-C Electrocatalysts in the Oxygen and Nitrogen Cycles in Alkaline Media: The Role of Iron Carbide

Tomer Y. Burshtein, Denial Aias, Jin Wang, Matan Sananis, Eliyahu M. Farber, Ilya Grinberg, Oz M. Gazit, David Eisenberg

(PO.F.2) Metal-free mesoporous graphitic carbon nitride for visible-light-driven photoredox trifluoromethylation of (hetero)aromatics under flow conditions

Alessandra Sivo, Vincenzo Ruta, Gianvito Vilé

(PO.F.3) Cobalt pincer complexes - selective and efficient catalysts for the dehydrogenative coupling of alkynylsilanes with primary and secondary hydrosilanes

Hanna Stachowiak-Dluzynska, Grzegorz Hreczycho

(PO.F.4) Synthesis of nanoparticles and thin film of Cu₂ZnSnS₄ by hydrothermal method and its application as Congo Red photocatalyst

Paula Salazar, Rodrigo Henríquez, Pablo Zerega

(PO.F.5) Basic heterogeneous catalysts for the production of Biodiesel

Graça Rocha, Mariana Almeida, Castigo Chame

(PO.F.6) How oriented external electric fields modulate reactivity

Song Yu, Pascal Vermeeren, Trevor A. Hamlin, F. Matthias Bickelhaupt

(PO.F.7) Investigation of Zeolite-based Water Sorbents for the Sorption-Enhanced CO₂ Hydrogenation to Methanol

Koidi Vasiliki, Lappas Angelos, Heracleous Eleni

(PO.F.8) Catalytic purification of waste water by gold-phosphorene nanohybrids

Veselý Martin, Petr Marvan, Jiří Trejbal, Vlastimil Mazánek, Jan Luxa, Jiří Šturala, Zdeněk Sofer

(PO.F.9) Designing zeolite ZSM-5 based catalysts by 3D-Printing for Methanol Dehydration to Dimethyl Ether

Vasiliki Koidi, Savvas Koltsakidis, Emmanouil Tzimtzimis, Dimitrios Tzetzis, Angelos A. Lappas, Eleni Heracleous

(PO.F.10) Coordinating solvents as novel selectivity enhancers on the direct synthesis of hydrogen peroxide for palladium catalysts supported on ion-exchangers

Francesco Sandri, Francesco De Boni, Francesco Sedona, Wuwan Xiong, Peirong Chen, Marco Zecca, Tapio Salmi, Paolo Centomo

(PO.F.11) CO₂ methanation reaction using MgF₂-NiF₂ binary fluorides

Agata Suchora, Mariusz Pietrowski, Michał Zieliński

(PO.F.12) Synthesis optimization of precursors of nature-based bactericides: alliin and its derivatives

Lenka Hašková, Kateřina Zítová, Olga Gorlova, Lucie Mašková, Iva Paterová, Eliška Vyskočilová

(PO.F.13) New mesoporous organosilica with controllable morphologies: Their design, synthesis and applications as nanocatalysts for organic transformations under green and sustainable conditions

Mohammad G. Dekamin, Ehsan Valiey

(PO.F.14) Synthesis of organometallic compounds - green approach to chemistry

Dariusz Lewandowski, Grzegorz Hreczycho

(PO.F.15) Bridging Pyridine-Oxazoline Ligands: Synthesis and Enantioselective Catalytic Applications

Grace Sutton, Patrick O'Leary, Eddie Myers

(PO.F.16) CO₂ methanation over mesoporous silica supported Ni catalysts

Monica Dan, Oana Grad, Angela Kasza, Maria Mihet, Diana Lazar

(PO.F.17) CO₂ valorization as synthesis gas by combined reforming of biogas

Mihaela D. Lazar, Maria Mihet, Monica Dan

(PO.F.18) Selective hydrogenation of cinnamaldehyde on low loading of noble metal based catalysts

Anca Gabriela Mirea, Maria-Iuliana Chirica, Florentina Neatu, Stefan Neatu, Mihaela Florea, Mihaela-Mirela Trandafir

(PO.F.19) Development of an air-stable Co(III)-complex for the use in photocatalytic water splitting

Anabel Miletic, Matthias Bauer

(PO.F.20) Synthesis of Water-soluble Randomly Methylated Cyclodextrin-NHC-gold Complexes

Laura Sassenscheidt, Norbert Krause

(PO.F.21) Synthesis of CuO-Ce_xZr_{1-x}O₂ catalysts for combustion of volatile organic compounds

Van Hoey Wouter, Majewska Izabela, Rokicińska Anna, Kuśtrowski Piotr, Cool Pegie

(PO.F.22) Synthesis of cuprous oxide nanoparticles and their application as methylene blue photodegrader

Francisco Figueredo, Paula Grez, Paula Salazar, Sebastian Moreno

(PO.F.23) Enzymatic synthesis of fructose fatty acid esters using oleic acid as acyl donor and lipase cross-linked enzyme aggregates as biocatalyst

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(PO.F.24) Light-Induced Homolysis of Copper(II)-carboxylates

Alexander Reichle, Oliver Reiser

(PO.F.25) Copper(I)-photocatalyzed Bromo-(nitromethylation) of Olefins and Synthetic Applications

Magdalena Koch, Oliver Reiser

(PO.F.26) Synthesis of novel functional polyolefins

Rafał Januszewski, Bartosz Orwat, Michał Dutkiewicz, Ireneusz Kownacki

(PO.F.27) Pd-catalyzed allylic substitution between C-based nucleophiles and Bicyclic Aziridines

João Oliveira, Gredy Kiala, Filipa Siopa, Julie Oble, Giovanni Poli, Carlos A. M. Afonso

(PO.F.28) Plasma Catalytic Dry Reforming of Methane: How Material Properties Influence Conversion and Kinetics – The PlasMaCatDESIGN Project

Sander Bossier, Bram Synnaeve, Dr. Jeroen Lauwaert, Prof. Dr. An Verberckmoes, Prof. Dr. Vera Meynen

(PO.F.29) Acid catalyzed methanolysis of olive leaves crude extract

Késsia H. S. Andrade, Lídia Cavaca, Rafael F. A. Gomes, Ruben Ramos, Andreia F. Peixoto, Carlos A. M. Afonso

(PO.F.30) Bifunctional catalysts based on hydrotalcites for Rosaphen one-pot synthesis

Iva Paterova, Darina Achrimena, Sara Palkova, Olga Gorlova, Libor Cerveny

(PO.F.31) Pyridoxal-catalyzed transamination: molecular evolution and synergistic catalysis in the origins of life

Quentin Dherbassy, Robert J. Mayer, Harpreet Kaur, Joseph Moran, Kamila B. Muchowska

(PO.F.32) CO₂ methanation using MOF(Al)-based / -derived Ni catalysts

Maria Mihet, Angela M. Kasza, Oana Grad, Alexandru I. Turza, Mihaela D. Lazar

(PO.F.33) Design, synthesis and photophysical properties of novel azaindoles

Joana R. M. Ferreira, Samuel Guieu, Maria Manuel Marques

(PO.F.34) Highly Enantioselective Anion-Binding Catalyzed N-Arene Dearomatization by Fine-tuned Substrate-Catalyst Halogen-Bonding

Alica Chantal Keuper, Kevin Fengler, Florian Ostler, Tobias Danelzik, Olga García Mancheño, Darius G. Piekarski

(PO.F.35) Fluorine-containing spirocyclic tin(IV) compounds: Synthesis and characterization of catalysts for the formation of polyurethanes

David Mroß, Lyuba Iovkova, Klaus Jurkschat, Stefan Gilke, Frank Richter

(PO.F.36) Use of transition-metal based heterogeneous photocatalysts for the hydrogenolysis of lignin model compounds
Raphaël Abolivier

(PO.F.37) Microbial pre-treatment of perfluorooctanoic acid prior to photocatalytic degradation

Jhimli Paul Guin, Mohd Faheem Khan, Cormac D. Murphy, K. Ravindranathan Thampi, James A. Sullivan

(PO.F.38) Influence of the Counteranion on 9-Mesityl-10-methylacridinium salts for the Visible-light mediated Synthesis of Endoperoxides

Andreas Ratzenböck, Oliver Reiser

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(PO.F.40) Design of new flavins for photoredox catalysis

Ivana Weisheitelová, Radek Cibulka

(PO.F.41) 1,10-Ethylene-bridged deazaflavinium salts – versatile catalysts for chemoselective photoredox reactions

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(PO.F.42) The Role of Single-atom Iridium on Haematite Photoanodes for Solar Water Oxidation

Qian Guo, Stoichko Dimitrov, Qi Zhao, Rachel Crespo-Otero, Devis Di Tommaso, Junwang Tang, Magda Titirici, Ana Sobrido

(PO.F.43) The effect of nickel doping on the activity and selectivity of Cu-SSZ-13 catalysts in the NH₃-SCR process

Monika Fedyna, Joanna Gryboś, Chengyang Yin, Zhen Zhao, Piotr Pietrzyk, Zbigniew Sojka

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- (PO.F.47)** Role of electronic and steric effects in deracemization during Suzuki diarylation of binaphthyl
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- (PO.F.49)** Heterocycles with nitrogen as catalysts in cycloaddition of CO₂
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- (PO.F.50)** Synthesis of tricyclic fused 2H-pyran-2-ones by Rh(III)-catalyzed formal (4+2) cycloaddition of thienopyridine/thienopyrazine carboxylic acids with internal alkynes
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- (PO.F.51)** The Visible Light Route to Five Membered Fused Pyrrolidines
Ruben Veronesi, Marco Lombardo, Oliver Reiser
- (PO.F.52)** Systematic studies on transition metal-catalyzed hydrogenation of polybutadiene
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- (PO.F.54)** A new Ruthenium (II) hydride complex and its application as a hydrogenation catalyst
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- (PO.F.55)** Titanium ketimide complexes: synthesis and reactivity towards isocyanates
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- (PO.F.58)** One-Pot [3+6+3+6] Macrocyclizations of Diazo Ketones and Cyclic Ethers
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- (PO.F.59)** Unravelling the CO₂ reduction mechanism with a highly active Mn(I)-NHC electrocatalyst
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- (PO.F.60)** Regioselective synthesis of 8-membered oxadiazocines through selective control of nitrogen vs. oxonium ylide formation and subsequent rearrangements
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- (PO.F.61)** Asymmetric Synthesis of Cyclohexenone-Fused Isochromans via Quinidine-Catalyzed Domino Peroxyhemiacetalization/Oxa-Michael Addition/Desymmetrization Sequence
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- (PO.F.63)** Iron(III)-light-induced homolysis: A dual photocatalytic approach for hydroacylation of alkenes using acyl radicals via direct HAT from aldehydes
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- (PO.F.64)** Design of ZSM-5 zeolite through Gemini surfactants for Friedel-Crafts reactions
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- (PO.F.65)** Carbon Dioxide-Catalyzed Transamidation Reactions
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- (PO.F.66)** Peanut shell as a valuable resource for the development of sustainable catalytic processes for the oxidation of furan-2-carbaldehyde (furfural)
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- (PO.F.71)** New cobalt-based catalytic system for Suzuki-Miyaura cross-coupling reaction
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- (PO.F.75)** Study of copper, manganese and iron based heteropolysalts in the efficiency of synthesis of 5-ethoxycarbonyl-4-phenyl-6-methyl-3,4-dihydropyrimidin-2(1H)-one
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- (PO.F.76)** The production of the gasoline with high quality with high octane number by the use of the bifunctional catalyst Pt/Re in the catalytic reforming process
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Mónica Viciano, Sergio Sopeña, Íñigo X. García-Zubiri, Pilar Pérez

(PO.F.78) Effect of Si doping on the single-catalyst production of clean and sustainable fuels

Bruno Machado, Cláudia Magalhães, Thais Berberich, José Carlos Lopes, Daniel Costa, Maria Filipa Ribeiro, Joaquim Faria

(PO.F.79) CO₂ Conversion in Bio-based Aerogels as a Porous Support for Metal Nanoparticle and Ionic Liquid Catalytic Systems

melo c, A.B. Paninho, Luís Branco, Nunes, A. V. M.

(PO.G.1) Conductometric study of solutions of 1-methyl-3-octylimidazolium chloride ionic liquid in formamide and N,N-dimethylformamide at different temperatures

Renato Tomaš, Zdzislaw Kinart, Snežana Papović, Milan Vraneš, Teona Teodora Borović

(PO.G.2) Enantioselective supercritical fluid chromatography separation of chiral anticoagulant rodenticides

Ana María Ares, Laura Toribio, José Bernal

(PO.G.3) A Combined Topological ELF, NCI and QTAIM Study of Mechanism and Hydrogen Bond Controlling the Selectivity of the IMDC Reaction of Nitron-alkene Obtained from m-allyloxybenzaldehyde

Fouad Chafaa, Abdelmalek Khorief Nacereddine

(PO.G.4) Disentangling the Entropic Changes during Pyridine Adsorption on Au (111) by Deployment of Microcalorimetry

Katarina Josifovska, Rolf Schuster

(PO.G.5) The regio and stereoselectivity observed in the [4+2] cycloaddition reaction between vinyl acetate and 3-aryloxyprolo[1,2-c][1,4]benzoxazine-1,2,4-trione

Soukaina AMEUR, Noureddine MAZOIR, Abdellah Zeroual

(PO.G.6) Comparison of Structural and Energetic Properties Between Trioxolane and Tetraoxane Analogues with Established Antiparasitic Activity

Patrícia S. M. Amado, A. J. Lopes Jesus, José A. Paixão, Rui Fausto, Maria Lurdes Cristiano

(PO.G.7) Optimization of solid-phase microextraction for polar aqueous extracts regarding GC MS screening analyses of medical devices

Selina Steinhilber, Dipl.-Ing. Manfred Hagmann

(PO.G.8) Graph-Based Tools to Handle Chemical Reaction Networks

Diego Garay-Ruiz, Carles Bo

(PO.G.9) NIR spectroscopy as a tool to determine the concentration of diesel fuel improvers simultaneously

Ivana Hradecká, Aleš Vráblík

(PO.G.10) Inherent Chirality at Work for Applications in Chiral Electrochemistry, Chiroptics and Spintronics

Sara Grecchi, Serena Arnaboldi, Tiziana Benincori, Roberto Cirilli, Simona Rizzo, Lorenzo Guazzelli, Patrizia Romana Mussini

(PO.G.11) Electronic spectroscopy combined and quantum chemical calculations as a new old approach to assess the oxidation of lipids

Ana Borba, Juan Manuel Faroux, María Micaela Ureta, Emma Elizabeth Tymczyszyn, Andrea Gomez-Zavaglia

(PO.G.12) Design and Deployment of Data Science Frameworks for Machine Learning Algorithms to Predict Molar Entropies

José Ferraz-Caetano, Filipe Teixeira, Natália Cordeiro

(PO.G.13) Determining the adulteration of paprika powders with Sudan I dye by IR and multivariate classification techniques

Vesna Vasić, Marina Radenković, Marija Pavlović, Jelena Petrović, Miloš Momčilović, Sanja Živković

(PO.G.14) Thermally Activated Delayed Fluorescence dyes as electrochemiluminescence emitters with coreactants

Giulio Pavan, Thomas Scattolin, Alessandro Aliprandi

(PO.G.15) The influence of the nitrogen position on the spectroscopic properties of regioisomers based on imidazo[4,5-b]pyridine

Ida Boček, Nataša Perin, Robert Vianello, Marijana Hranjec

(PO.G.16) Novel Types of Electrodes for Vanadium Redox Flow Batteries

Monja Schilling, Frank Hermanutz, Linghan Lan, Cheng Liu, Shaojun Liu, Jun Li, Pang-Chieh Sui, Roswitha Zeis

(PO.G.17) Molecular symmetry considerations of the vibrational Infrared and RAMAN spectra in the study of polyvinylidene fluoride alkaline reaction mechanism

Mohamed Magdi Ahmed, Jakub Hrůza, Martin Stuchlík, Vojtěch Antoš, Jana Müllerová, Michal Řezanka

(PO.G.18) Spectroscopy as a useful tool for identifying changes over time in post-mortem liver samples

Anna Wójtowicz, Agata Mitura, Renata Wietecha-Postuszny

(PO.G.19) Electrochemical in situ Raman spectroscopy for the evaluation of furfural/metal interactions

Thorben Lenk, Uwe Schröder

(PO.G.20) The extraction procedures for date-rape drugs analysis based on solid-phase microextraction and dried blood spots coupled with microwave-assisted extraction

Paweł Stelmaszczyk, Ewa Gacek, Mateusz Iwan, Renata Wietecha-Postuszny

(PO.G.21) Detection of homemade peroxide-based explosives and their main precursors in water based on spectroscopic methods

Pierre MICHEL, Jean-Luc BOUDENNE, Bruno COULOUMB, Fabien ROBERT-PEILLARD

(PO.G.22) Thioacetal-Flipper for Membrane Tension Imaging

Xiao-Xiao Chen, Maxime Vonesch, Naomi Sakai, Stefan Matile

(PO.G.23) Spectroscopic detection of biosignatures in natural ice samples as a proxy of icy moons

Francisco Calapez, Rodrigo Dias, Rute Cesário, Bruno Pedras, Zita Martins, João Canário

(PO.G.24) SERS analysis of selected nitrogen- and sulfur-containing compounds on silver and gold colloidal nanoparticles

Adriana Kenđel, Anastazija Ratkajec, Snežana Miljanić

(PO.G.25) SERS spectra of urea disrupted G-quadruplexes on silver and gold nanoparticles

Petra Petrović, Snežana Miljanić

(PO.G.26) Application of fluorographene chemistry-based biosensor for electrochemical detection of TNBC protein C biomarker

Ivan Dědek, Vítězslav Hrubý, Jan Belza, Petr Jakubec, Michal Otyepka

(PO.G.27) Kinetic Sorption Study of Potassium Amyl Xanthate and Sodium Diisobutyl Dithiophosphate on Sulphur

Minerals. Using seawater and drinking water

Isidora Díaz Castro, Rodrigo Segura, Fernando Godoy, Fabiana Liendo

(PO.G.28) An electrochemical sensor with surprisingly anti-fouling properties for selective determination of glutathione based on Cu (II)-functionalized magnesium silicate/AgNPs/polyethylene glycol/chitosan nanocomposite

Bandar A. Alyami, Ashraf M. Mahmoud, Mohamed M. El-Wekil

(PO.G.29) Characterization of modified glassy carbon electrodes (GC) with nanohorns carbon (SWCNH) and Nafion (NF) for Cd determination

Fabiana Liendo, Rodrigo Segura, Maria Jesus Aguirre, Isidora Díaz Castro

(PO.G.30) TTA-UC emitter based on aggregated Pt(II) Chlorin immobilized with tetraphenylethylene in cellulose acetate films

João Pina, Guilherme G. Jerónimo, Teresa M. V. D. Pinho e Melo, Marta Pineiro

(PO.G.31) Quantification of free Polymers in Polymeric Nanoparticles by GPC and DOSY NMR

Janick Weßelmann, apl Prof. Dr. Wolf Hiller, Prof. Dr. Ralf Weberskirch

(PO.G.32) Solvatochromic characterization of the ternary mixture Water – Choline Chloride – Ethylene Glycol

Nelson Nunes, Andreia Lopes, Ruben Leitão, Filomena Martins

(PO.G.33) Revisiting gas-phase noble gas ion chemistry by FTICR-MS and ab initio computations

Sandrina Oliveira, Nuno A. G. Bandeira, João Paulo Leal, Leonor Maria, José M. Carretas, Bernardo Monteiro, Joaquim Marçalo

(PO.G.34) Gas-phase reactivity of gold(I) complexes with noble gases and small molecules

Sandrina Oliveira, Nuno A. G. Bandeira, Leonor Maria, João Paulo Leal, José M. Carretas, Bernardo Monteiro, Rafaela A. L. Silva, M. Conceição Oliveira, Joaquim Marçalo

(PO.G.35) A novel Zn(II) Schiff base complex as efficient colorimetric and fluorometric probe for sensing copper(II) in drinking water by a transmetalation approach

Gabriella Munzi, Ivan Pietro Oliveri, Giuseppe Consiglio, Salvatore Failla, Santo Di Bella

(PO.G.36) Reduction of substituted nitrobenzimidazoles into radicalanions in relation to the search of novel bioreductive agents

Simeon Stoyanov, Neda Anastassova, Anelia Mavrova, Denitsa Yancheva

(PO.G.37) Tyrosine acetylene derivatives as a new group of effective fluorophores

Julia Wtulich, Agnieszka Stepasiuk, Irena Bylińska

(PO.G.38) Evaluation and quantification of electronic conjugation through aromatic spacers

Carlos F. R. A. C. Lima, Marco A. L. Lima, Nuno A. S. Dias, Ana L. M. Oliveira, Luís M. N. B. F. Santos

(PO.G.39) Kinetics and Thermodynamics of Diels-Alder Addition to Fullerenes

Diogo J. L. Rodrigues, Luís M. N. B. F. Santos, Carlos F. R. A. C. Lima

(PO.G.40) Critical analysis of association constants between calixarenes and nitroaromatic compounds obtained by fluorescence. Implications in explosives sensing

Alexandre S. Miranda, Paula M. Marcos, José R. Ascenso, Mário N. Berberan-Santos, Peter J. Cragg, Rachel Schurhammer, Christophe Gourlaouen

(PO.G.41) Optimization of the Ring-Opening Polymerization Reaction of Cyclic Carbonates by Automated Chemical Space Exploration

Alba Villar-Yanez, Diego Garay-Ruiz, Arjan W. Kleij, Carles Bo

(PO.G.42) Modern flow-based systems for advanced Analytical Chemistry

Sara S. Marques, Cristina Román-Hidalgo, Luisa Barreiros, Marcela A. Segundo

(PO.G.43) Microwave-assisted synthesis of amino acids derivatives with 1-fluoro-2-nitro-4-(trifluoromethyl)benzene for their HPLC determination

Aneta Jastrzębska, Kamil Brzuzy, Zuzanna Gralak, Anna Kmieciak, Marek Krzemiński, Edward Sztyk

(PO.G.44) From Blue to Green: Solvent effects on novel emissive molecular probes of dansyl-based dyes

Frederico Duarte, Georgi Dobrikov, Atanas Kouroutos, Jose Luis Capelo-Martinez, Hugo M. Santos, Elisabete Oliveira, Carlos Lodeiro

(PO.Imag.1) Visualization of pectin in carrot pomace using FTIR microspectroscopy: feasibility of internal standardization

Paula Varas Perez, Wouter Marchal, Dries Vandamme

(PO.Imag.2) Raman imaging methods applied to carbamazepine in pharmaceutical formulations

Sara Fateixa, Helena I. S. Nogueira, Tito Trindade

(PO.Imag.3) Development of a Radiolabelled Carborane-based Ligand for Theranostics

Lea Ueberham, Rareş-Petru Moldovan, Martin Kellert, Winnie Deuther-Conrad, Daniel Gündel, Klaus Kopka, Peter Brust, Evamarie Hey-Hawkins

(PO.Imag.4) Turn-on fluorescent acidic pH probe with a bimeane core: A beginning of NIR-bimeane probes

Joy Karmakar, Flavio Grynszpan

(PO.EES.1) Na₇[SbW₆O₂₄]: A new sensitive and reusable luminescent solid sensor for water detection

Aurély Bagghi, H  l  ne Serier-Brault, R  mi Dessapt

(PO.EES.2) Time series analysis of the air pollutions around Ploiesti oil refining complex, one of the most polluted region in Romania

Bodor Zsolt, Bodor Katalin, Sz  p R  bert

(PO.EES.3) Bundle-Type Columnar Cuprous Oxide Photoabsorbers with Vertical Grain Boundaries Fabricated Using Instant Strike-Processed Metallic Seeds and Their Enhanced Photoelectrochemical Efficiency

Ji Hoon Choi, Dong Su Kim, Hak Hyeon Lee, Hyung Koun Cho

(PO.EES.4) Novel electrode materials for monitoring of biologically active organic compounds of environmental, biological and medical importance

Barek Jiri

(PO.EES.5) Influence of matrix porosity on the heat storage capacity of MOFs based materials– hygroscopic salt composites

Quentin Touloumet, Laurence Bois, Lishil Silvester, Georgeta Postole, Aline Auroux

(PO.EES.6) Sulfonated MXenes as efficient catalysts for PET depolymerisation

Iuliana M. Chirica, Stefan Neatu, Anca Mirea, Michel W. Barsoum, Mihaela Florea, Florentina Neatu

(PO.EES.7) Regeneration of iron-coated cork granulates contaminated with arsenic: batch and fixed-bed column studies

Mariko A. Carneiro, Ariana M. A. Pintor, Joana F. R. Coelho, Rui A. R. Boaventura, Cid  lia M. S. Botelho

(PO.EES.8) Phosphorus remediation using a new magnetic system in aqueous samples

Irene Morales-Ben  tez, Andrea Mu  noz-Garc  a, Juan Carlos Garc  a-Mesa, Pablo Montoro-Leal, Mar  a del Mar L  pez Guerrero, Elisa Vereda Alonso

(PO.EES.9) Vertical distribution of organic tracer compounds in atmospheric aerosols: Measurement by using meteorological balloons

Clara Ja  n Fl  , Isabel D  ez, Barend L. van Drooge, Esther Marco, Joan O. Grimalt, Pilar Fern  ndez

(PO.EES.10) Long-range visible-light C₃N₄ photo(electro)catalysts derived from triazol-purpald for benzylamine oxidation and oxygen evolution reactions

Pablo Jimen  z-Calvo, Maria Jerigova, Yevheniia Markushyna, Ivo F. Texeira, Mark Isaacs, Daniel Cruz, Iver Lauerma, Nadezda V. Tarakina, Nieves Lopez Salas, Aleksandr Savateev, Markus Antonietti

(PO.EES.11) Toxicity of Gadolinium on Stevia rebaudiana grown in vitro

Florina Violeta Scurtu, Doina Clapa, Floricu  a Ranga, Adrian Ionu   Cadi  , Sonia Ancu  a Socaci, Loredana Florina Leopold, Cristina Coman

(PO.EES.12) Carbon-based monoliths with improved thermal and mechanical properties for methane storage

Snezana Reljic

(PO.EES.13) Calcium and magnesium modified cork biochars for the removal of phosphate from water

Ariana M. A. Pintor, Nuno F. R. Sousa, Ol  via S. G. P. Soares

(PO.EES.14) EDC-WFD: A project to deliver reliable measurements for better monitoring survey and risks assessments
Christian Piechotta, Lorin Steinhäuser, Sophie Lardy-Fontan, Béatrice Lalere, Véronique Le Diouron, Ester Heath, Ana Kovačič, Monica Potalivo, Paolo de Zorzi, Damiano Centioli, Teemu Naykki, Jyrki Viidanoja, Taner Gökçen, Héléne Budzinski, Karyn Le Menach, Vid Simon Selih

(PO.EES.15) From an abundant agrochemical waste to a sensitive and selective sensor of azo dyes
Diogo A Sousa, Mário Nuno Berberan-Santos, José Virgílio Prata

(PO.EES.16) Decontamination of natural aquatic systems from paralytic shellfish toxins (PST) – a molecular perspective
Joana F. Leal, M. L. S. Cristiano

(PO.EES.17) New environmental friendly disinfectant from bio-based sources: virucidal and bactericidal effects of permaleic acid
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(PO.EES.18) Potential of synthetic flavonoids as a sustainable alternative for marine biofouling prevention
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