

PROGRAMME

MONDAY 2 November 2020

Opening session			
Start time	End time	Type	Activity
15:30	15:40	Live	Welcome Catharine Esterhuysen <i>Chair, ISXB-4 organising committee</i>
15:45	16:00	Live	Opening address Pierangelo Metrangolo <i>Chair, ISXB International Advisory Board</i>
16:00	17:15	Live	Ice-breaker - networking

TUESDAY 3 November 2020

Session 1: Nature of X-bonding			
Start time	End time	Type	Activity
13:00	13:05		Welcoming by MC
13:05	13:35	Invited Live	Nature of Hypervalent Bonding Matthias Bickelhaupt <i>Vrije Universiteit Amsterdam, The Netherlands</i>
13:40	14:10	Invited Live	An <i>ab initio</i> study of halogen bonded complexes containing some cyclic ethers Tony Ford <i>University of KwaZulu Natal, South Africa</i>
		Invited Recorded	Electron Density Based Quantitative Tools for Revealing and Characterizing the Halogen Bonds in Crystals Ekaterina Bartashevich <i>South Ural State University, Russia</i>
		Invited Recorded	Electron Density Analysis as a Probe to Investigate Electronic Features of Weak Intermolecular Interactions Involving Halogens Deepak Chopra <i>Indian Institute of Science Education and Research Bhopal, India</i>
		Invited Recorded	Halogen Bonding with a Flying Molecule: The Halogenabenzene Bird Tanja van Mourik <i>University of St Andrews, UK</i>
		Contributed Recorded	Electrostatics and Polarization in Halogen and Regium Bonding Tore Brinck <i>KTH Royal Institute of Technology, Sweden</i>

	Contributed Recorded	"Anti-Electrostatic" Halogen Bonding Jana Holthoff <i>Ruhr-Universität, Germany</i>	
	Contributed Recorded	Prediction of Hydration Free Energies Involving Halogenated Ligands for Applications in Drug Discovery Rafael Nunes <i>University of Lisbon, Portugal</i>	
	Contributed Recorded	Understanding the Pnicogen and Tetrel Bonding through Geometry Corrected Statistical Analysis Binoy Saha <i>Pondicherry University, India</i>	
	Contributed Recorded	London Dispersion Interactions in Disilane-Bridged Aryl Systems Jan Schwabedissen <i>Universität Bielefeld, Germany</i>	
	Contributed Recorded	Effect of Environment on the Anion-Anion Halogen Bond vs. Neutral-Anion Halogen Bond Yanli Zeng <i>Hebei Normal University, PR China</i>	
14:15	14:45	Discussion session Moderator: Catharine Esterhuysen <i>Member ISXB International Advisory Board</i>	
14:45	15:00	Break	
Session 2: Supramolecular chemistry and crystal engineering			
Start time	End time	Type	Activity
15:00	15:40	Plenary Live	Halogen vs Hydrogen Bonding in Inclusion Compounds Susan Bourne <i>University of Cape Town, South Africa</i>
15:45	16:15	Invited Live	Resorcinarene Salts, Multivalent Halogen Bond Synthons for Discrete and Polymeric Assemblies Kodiah Beyeh <i>Oakland University, USA</i>
		Invited Recorded	Polyiodide·Organoiodine Hybrids William Pennington <i>Clemson University, USA</i>
		Invited Recorded	Halogen Bonds Involving "Weak and Strong" Donors and Acceptors Giuseppe Resnati <i>Politecnico di Milano, Italy</i>
		Invited Recorded	New Supramolecular Structures from Iso-Chalcogenazole N-Oxides Ignacio Vargas-Baca <i>McMaster University, Canada</i>
		Invited Recorded	Chalcogen bonds in small-molecule compounds derived from the Cambridge Structure database (CSD) Zéphyrin Yav <i>University of Kinshasa, DR Congo</i>
		Contributed Recorded	Halogen-rich Complexes of 15 and 16 Group Elements Sergey Adonin <i>Nikolaev Institute of Inorganic Chemistry SB RAS, Russia</i>

Contributed Recorded	Concert of Halogen Bonds and Supramolecular Interactions in Halogenated Benzimidazole Structures to Preserve Isostructurality Laura Bereczki <i>Research Centre for Natural Sciences, Hungary</i>	
Contributed Recorded	Cocrystallization Tailoring Multiple Radiative Decay Pathways for Amplified Spontaneous Emission Geetha Bolla <i>BGU, Israel</i>	
Contributed Recorded	The Triple Pnictogen Bond as a Design Element in Molecular Recognition and Self Assembly Anthony Cozzolino <i>Texas Tech University, USA</i>	
Contributed Recorded	Selective Crystallisation of Halogen- and Hydrogen-bonded Co-crystals: The Central Role of Solvent Volume Jean Lombard <i>Stellenbosch University, South Africa</i>	
Contributed Recorded	Anion-π Architectures and Molecular Crystalline Composites Involving [Pt(L)₄]²⁻ (L = CN⁻, Cl⁻, Br⁻) Robert Podgajny <i>Jagiellonian University, Poland</i>	
Contributed Recorded	Asymmetric [L1-Ag-L2]⁺ and [L1-I-L2]⁺ Complexes Kari Rissanen <i>University of Jyväskylä, Finland</i>	
Contributed Recorded	Solvent-dependent Phases and Phase Transformations in a Family of 2D Halogen-bonded Networks Tom Roseveare <i>University of Sheffield, UK</i>	
16:20	16:50	Discussion session Moderator: Petra Bombicz <i>Hungarian Academy of Sciences, Hungary</i>
16:50	17:00	Break
17:00	18:00	Poster session I Posters 1 to 46 (see attached list)
18:00	19:00	Networking

WEDNESDAY 4 November 2020

Start time	End time	Type	Activity
13:00	13:05		Welcoming by MC
13:05	14:00		Poster session II Posters 47 to 91
Session 3: Solid state properties			
14:00	14:40	Plenary Live	Harnessing Halogen Bonding to Fine-tune the Properties of the Molecular Solid Solution Systems Tayur Guru Row <i>Indian Institute of Science Bangalore, India</i>
14:45	15:05	Contributed Live	Supramolecular Chemistry and Photochemistry of Halogen-bonded Azobenzene Solids Tomislav Friščić <i>McGill University, Canada</i>
		Invited Recorded	Crystal Engineering π-Ways to Regulate the Flow of Excitons Mahesh Hariharan <i>IISER Thiruvananthapuram, India</i>
		Contributed Recorded	Advances in Solid-State NMR and NQR Studies of σ-Hole Interactions David Bryce <i>University of Ottawa, Canada</i>
		Contributed Recorded	Halogen Bonding: A Versatile Tool in Solid-State Chemistry Luca Catalano <i>University of Liverpool, UK</i>
		Contributed Recorded	Lighting up Phosphorescence in the Solid-State: A Matter of Co-Crystal Formation and AIE effect Simone d'Agostino <i>University of Bologna, Italy</i>
		Contributed Recorded	Impact of Halides and Halogen Atoms on Mechanical Flexibility of Cd(II) Coordination Polymers Marijana Đaković <i>University of Zagreb, Croatia</i>
		Contributed Recorded	Switchable Supramolecular Trajectories in the Mechanosynthesis of a Halogen-Bonded Borromean Network Pierangelo Metrangolo <i>Politecnico di Milano, Italy</i>
		Contributed Recorded	Strong σ-hole Activation on Icosahedral Carborane-based Molecules for a Directional Halide Recognition le Rang Jeon <i>ISCR-CRNS, France</i>
		Contributed Recorded	Metal-like Ductility and Malleability in Organic Plastic Crystals Amit Mondal <i>IISER Kolkata, India</i>
		Contributed Recorded	Halogen Bonding in Crystal Engineering of Mechanical Properties Subhankar Saha <i>IISER Kolkata, India</i>

Contributed Recorded **Energy Frameworks of Halogen Bonded Supramolecular Synthons**

Yury Torubaev

Kurnakov Institute of General and Inorganic Chemistry of Russian Academy of Sciences, Russia

17:00 17:30

Discussion session

Moderator: Ekaterina Bartashevich

Member ISXB International Advisory Board

17:30 18:15

Networking

THURSDAY 5 November 2020

Session 5: Applications in synthesis, catalysis and industry

Start time	End time	Type	Activity
13:00	13:05		Welcoming by MC
13:05	13:35	Invited Live	Halogen Bonding in Chiral Cation Choon Hong Tan <i>Nanyang Technological University, Singapore</i>
13:40	14:10	Invited Live	Influence of Halogen Bonding in M-Cl Substitution Processes and C-Cl Activation Reactions Marta Mosquera <i>University of Alcalá, Spain</i>
14:15	14:45	Invited Live	Catalysis Halogen Bonding in Iodine Industry Tatsuo Kaiho <i>Chiba Iodine Resource Innovation Center, Chiba University, Japan</i>
		Invited Recorded	Halogen-bonding in Catalytic Asymmetric Iodocarboxylation Takayoshi Arai <i>Chiba University, Japan</i>
		Invited Recorded	Biomimetic XB Catalyzed Glycosylation: An Unexpectedly Sweet Handshake Between Halogen Bonds and Carbohydrate Chuanjie Loh <i>Max Planck Institute of Molecular Physiology, Germany</i>
		Invited Recorded	From Laboratory Curiosities to Interesting Applications: The World of Polyhalogen Anions Sebastian Hasenstab-Riedel <i>FU Berlin, Germany</i>
		Invited Recorded	Halogen Bonding as Tools for Constructing Stereoselective Catalysts Anton Vidal-Ferran <i>University of Barcelona & ICREA, Spain</i>
		Contributed Recorded	Catalysis with Molecular Iodine Martin Breugst <i>University of Cologne, Germany</i>
		Contributed Recorded	Pnictogen Bonding in Coordination Chemistry Kamran Mahmudov <i>University of Lisbon, Portugal</i>
		Contributed Recorded	The Halogen-Bonding Catalysis: An Efficient Tool for Functional Group Activation Sekar Govindasamy <i>IIT Madras, India</i>
		Contributed Recorded	Multidentate Halogen and Chalcogen Bonding in Organocatalysis Stefan Huber <i>Ruhr-University Bochum, Germany</i>
		Contributed Recorded	Halogen Bonding in Selective and Efficient Synthesis of Pillararene FangFang Pan <i>Central China Normal University, PR China</i>
14:50	15:20		Discussion session Moderator: Pierangelo Metrangolo <i>Member ISXB International Advisory Board</i>
15:20	15:35		Break

Session 6: Applications in solution chemistry and biology

Start time	End time	Type	Activity
15:35	15:55	Contributed live	Halogen Bond Assisted Electrocatalysis Claire Fave <i>Université de Paris, France</i>
16:00	16:30	Invited Live	Conformational Control with Halogen and Hydrogen Bonds Orion Berryman <i>University of Montana, USA</i>
		Invited Recorded	Halogen Bonding in Biomolecular Engineering Pui Shing Ho <i>Colorado State University, USA</i>
		Invited Recorded	When Halogens Meet Short Peptide Sequences Giancarlo Terraneo <i>Politecnico di Milano, Italy</i>
		Contributed Recorded	The Supporting Role of Charged Binding Site Residues and New Approaches for the Design of Halogenated Amino Acids Frank Boeckler <i>Eberhard Karls University Tuebingen, Germany</i>
		Contributed Recorded	Can Membrane-drug Interactions be Mediated by Halogen Bonds? Paulo Costa <i>University of Lisbon, Portugal</i>
		Contributed Recorded	Halogen Bond of Halonium Ions Máté Erdélyi <i>Uppsala University, Sweden</i>
		Contributed Recorded	Assessing the Halogen Bond as Folding Parameter in Biomolecules Stefan Peintner <i>Uppsala University, Sweden</i>
		Contributed Recorded	Halogen Bond Organocatalysis Enhanced through Intramolecular Hydrogen Bonding Asia Marie Riel <i>University of Montana, USA</i>
		Contributed Recorded	Halogen Bonding: A World Dissimilar to Transition Metal Coordination Lotta Turunen <i>Uppsala University, Sweden</i>
		Contributed Recorded	Organocatalysis Application of New Halogen and Chalcogen Bond Donor Based on 4,4'-Bipyridine Scaffolds Robin Weiss <i>University of Strasbourg, France</i>
16:35	17:05		Discussion session Moderator: Stefan Huber <i>Member ISXB International Advisory Board</i>
17:10	17:40		Closing

POSTER SESSION I

3 November 2020

- 1 **Will Similar σ -hole Values Lead to Synthon Mimicry?**
Amila Abeysekera
Kansas State University, USA

- 2 **Ionic and Closed-Shell Interactions in a Set of Binary Complexes**
Oluwatoyin Akerele
Stellenbosch University, South Africa

- 3 **Tuning Stabilization and Molecular Recognition of the KIX domain by Hydrogen Bond Enhanced Halogen Bonding**
Derek Anderson
Colorado State University, USA

- 4 **The CH \cdots HC Interaction in Biphenyl is a Delocalized, Molecular-Wide And Entirely Non-Classical Interaction: Results from FALDI Analysis**
Thomas Bates
University of Pretoria, South Africa

- 5 **Crystal Structure of 4-(dimethylamino)pyridin-1-ium-2,5-dichloro-3,6-dioxocyclohexa-1,4-diene-1,4-bis(olate) 4-dimethylamino-pyridine (2:1) Water Undeca-solvate**
Alebel Nibret Belay
Bahir Dar University, Ethiopia

- 6 **Correlation between Structural Studies and Third Order NLO Properties of Three New Semi-Organic Compounds**
Rim Benali-Cherif
Abbes Laghrour University, Algeria

- 7 **Photo-Carving of Halogen Bonded Azobenzene Co-crystals; The Cutting Edge of Photoreversible Materials**
Tristan Borchers
McGill University, Canada

- 8 **Halogen Bonding Propensity in Solution: Direct Observation and Computational Prediction**
Taylor Bramlett
University of Michigan, United States

- 9 **Supramolecular Interactions in the Crystals of Halogen Containing Novel NHC precursors and their Rh(I)-Complexes**
Sourav De
University of Debrecen, Hungary

- 10 **The Investigation of Long-Range Ligand-Ligand Interactions in Organometallic Carbene Complexes: A Fragment-Based Approach**
Shane de Beer
University of Pretoria, South Africa

- 11 **Quantum Chemical Study of Influence of Halogen Bonds on the Sensitivity of Organic Explosives**
Aleksandra Dunovic
University of Belgrade, Serbia

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- 12 **Optimization of Halogen Radii for PBSA Calculations: Exploring Different Off-Center Point-Charge Approaches**
 Andreia Fortuna
University of Lisbon, Portugal
-
- 13 **Hypervalent Iodine(III) Compounds as Biaxial Halogen Bond Donors**
 Flemming Heinen
Ruhr-University Bochum, Germany
-
- 14 **Targeting Proteins with Halogenated Ligands: Testing New Strategies to Probe Halogen-Bonding Hotspots**
 Bernardo Henriques
University of Lisbon, Portugal
-
- 15 **Macrocycles from Heterocycles with Hypervalent Chalcogens**
 Peter Ho
McMaster University, Canada
-
- 16 **Understanding Weak Interactions in Lead Compounds for the Development of Radiopharmaceuticals**
 Francois Jacobs
University of the Free State, South Africa
-
- 17 **Synthetic Anion Transporters Utilizing Hydrogen Bond Enhanced Halogen Bonds**
 Eric John
University of Montana, United States
-
- 18 **Comparison of Halogen Bonding in Cocrystals of Iodide versus Triiodide Salts with Organoiodines**
 khadijatul Kobra
Clemson University, USA
-
- 19 **σ -Hole Interaction Properties of Divalent Sulfur**
 Albert Lundemba
University of Kinshasa, DR Congo
-
- 20 **Moisture Stable Reversed Vesicles via Pnictogen Bonding**
 Shiva Maoven
Texas Tech University, USA
-
- 21 **Counterion Effect in Pincer-Type Halogen Bond-Assembled Rh(I) Complexes in the Hydroboration of Terminal Alkynes**
 Alba Martínez-Bascuñana
University of Barcelona, Spain
-
- 22 **Polarization-Induced Anion-Anion Halogen Bonding of Tetraiodo-p-benzoquinone Anion Radicals with Iodide Anions**
 Tristan Maxson
Ball State University, United States of America
-
- 23 **Joint ITC and DFT study of the affinity of some Lewis bases to HIFP in solution**
 Milan Milovanović
Innovation Center of Faculty of Chemistry, Serbia
-
- 24 **Nature of the Covalent Bonding in Gold-Chalcogen Complexes**
 Bryan Moloto
Stellenbosch University, South Africa
-
- 25 **FALDI & MO Analysis of Intra-Molecular, Non-Covalent Interactions in Fischer Carbenes**
 Brent Nel
University of Pretoria, South Africa
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- 26 **Halogen Bonded Cocrystals of Two Tautomers of the Imine Derived from 2-hydroxy-1-naphthaldehyde and 3-aminopyridine**
Vinko Nemec
University of Zagreb, Croatia
-
- 27 **Selective Emergence of Halogen Bonds in Ground and Excited States of Noble Gas-Dihalogen Systems**
Francesca Nunzi
CNR-SCITEC, Italy
-
- 28 **Exploring the Strength and Competition between Chalcogen and Halogen Bonds through Experiment and Theory**
Vinu Panikkattu
Kansas State University, USA
-
- 29 **Trapping Hydrazine Oxidation Products via Halogen Bonding**
Andrew Peloquin
Clemson University, United States
-
- 30 **Halogen Bond-assisted Self-Assembly of Gold Nanoparticles in Solution and on a Planar Surface**
Claudia Pigliacelli
Politecnico di Milano, Italy
-
- 31 **Tuning the Activity of Cyclic Diaryliodonium Based XB Donors**
Dominik Luis Reinhard
Ruhr-Universität Bochum, Germany
-
- 32 **Halogen Bond-driven Self-Assembly of Fluorinated Ionic Liquid Crystals**
Marta Rosati
Politecnico Milano, Italy
-
- 33 **Effect of Halogen Bond Donors XCF₃ (X = Cl, Br, I) on divalent C(0) complexes CLL/CLL' (L, L' = NHC, PH₃, CO and PPh₃)**
Somananda Sanyal
Stellenbosch University, South Africa
-
- 34 **The interplay between electrostatics and molecular geometry on structural properties in carbamates**
Kelly Shunje
Kansas State University, USA
-
- 35 **Understanding the Nature of the ¹³C and ¹H Chemical Shift Response to Tetrel and Hydrogen Bonds**
Scott Southern
University of Ottawa, Canada
-
- 36 **Cambridge Structural Database Overview of Halogen Bonding and Halogen-Based Architectures involving Porphyrin Scaffolds**
Toni Spilfogel
McGill University, Canada
-
- 37 **Chalcogen Bonding in a Halide Abstraction and Povarov [4+2] Cycloaddition Reactions**
Tim Steinke
Ruhr-University Bochum, Germany
-
- 38 **Binding Strength and Recognition Potential of Neutral Perfluorinated Bromine-Based Halogen Bond Donors in the Solid State and in Solution**
Julian Stoesser
Ruhr-University Bochum, Germany
-

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- 39 **The Interplay Between Hydrogen and Halogen Bonding: Substituent Effects and their Role in the Hydrogen Bond Enhanced Halogen Bond**
Jiyu Sun
University of Montana, United States
-
- 40 **Halogen Bonding in C-X bond Activation Reactions**
Xing Tong
The University of British Columbia, Canada
-
- 41 **Synthesis and Characterization of Co-Crystals of Fluconazole with Succinic Acid and Urea as Co-Former**
Adewale Tunde
Federal University Otuoke Bayelsa State, Nigeria
-
- 42 **Engineering Dichroic and Pleochroic Cocrystals through Halogen Bonding to the Azulene π -system**
Jogirdas Vainauskas
McGill University, Canada
-
- 43 **The Manipulation of Auophilic Interactions by Altering Phosphorous Based Ligand Systems**
Christo van Staden
University of the Free State, South Africa
-
- 44 **Solution-State-Equilibrium of Symmetric and Asymmetric[Bis(pyridine)Iodine(I)]⁺ Complexes**
Daniel von der Heiden
Uppsala University, Sweden
-
- 45 **The Interplay of Chalcogen-Bonding And Metal-Ion Coordination in the Supramolecular Association of Iso-Tellurazole N-Oxides**
JinZhao Wang
McMaster University, Canada
-
- 46 **Systematic Evaluation of Halogenated Heterocyclic Compounds regarding σ -hole Strength and Shape**
Markus Zimmermann
University of Tuebingen, Germany
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POSTER SESSION II

4 November 2020

- 47 **Tuning Halide Oxidation in Ionic Liquids**
Marie Alvarez
Université de Paris, France
-
- 48 **Activating both Halogen and Chalcogen Bonding Interactions in Cation Radical Salts of Iodinated Tetrathiafulvalene Derivatives**
Maxime Beau
Université de Rennes 1, France
-
- 49 **Topicity of 1,3,5-triiodo-2,4,6-trifluorobenzene vs. Basicity of Pyridine Derivatives as Halogen Bond Acceptors**
Nikola Bedeković
University of Zagreb, Croatia
-
- 50 **Greek Cross Architecture induced Null Exciton Splitting in Organic Chromophores**
Alfy Benny
IISER, Thiruvananthapuram, India
-
- 51 **Tuning Solid-state Emission Colors of Aromatic Materials by Cocrystallization driven by Σ - and Π -Hole Intermolecular Interactions**
Rohit Bhowal
IISER Bhopal, India
-
- 52 **Stacking interactions of resonance-assisted hydrogen-bridged (RAHB) rings - RAHB/RAHB and RAHB/C6-aromatic systems**
Jelena Blagojević Filipović
University of Belgrade, Serbia
-
- 53 **Separation of Isomers by Host-Guest Chemistry**
Jacky Sorrel Bouanga Boudiombo
University of Cape Town, South Africa
-
- 54 **HEFLibs (Halogen Enriched Fragment Library): Screening and Hit Validation**
Marcel Dammann
University of Tuebingen, Germany
-
- 55 **Halogen and Tetrel Bond Team Up in Barbituric Acid Derivatives**
Andrea Daolio
Politecnico di Milano, Italy
-
- 56 **Synthesis, Characterisation and Applications of Humic acid-lignosulphonate based Composites in textile industries**
Avitha Dass
Durban University of Technology, South Africa
-
- 57 **A Quantitative Kohn-Sham MO Analysis on Chalcogen Bonds**
Lucas de Azevedo Santos
Vrije Universiteit, The Netherlands
-
- 58 **Organic single crystal humidity indicator**
Alan Eaby
Stellenbosch University, South Africa
-
- 59 **Employing Machine Learning to establish QM-derived Scoring Functions for the Assessment of Halogen- π -Interactions**
Marc Engelhardt
University of Tuebingen, Germany
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- 60 **Structural Diversity and Electronic Features of I...S Halogen Bonded Interactions in Stoichiomorphic Co-Crystals**
 Avantika Hasija
IISER, India
-
- 61 **In-situ Crystallographic Visualization of Halogen...CO₂ interaction in a 3D Robust Metal-organic Framework with Exclusive CO₂ Sorption Selectivity at Industrial Condition**
 Arpan Hazra
Stellenbosch University, South Africa
-
- 62 **Halogen Bonding Directed Self-assembly of Pure Organic Soft-cavity Host (XB-POSH) to Isolate Luminescent Guest**
 Wei Jun Jin
Beijing Normal University, China
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- 63 **Theoretical Study on X-At...CY/NC- (X = F, Cl, Br, I, At, H, HO; Y = H₃, O, S, N-) complexes: AIM, NBO/NRT, LMOEDA analysis**
 Govinda Khanal
Indian Institute of Science, India
-
- 64 **Theoretical Study of σ -hole Bonding between Selenium Atoms in Crystal Structures of Organoselenium Compounds**
 Danijela Kretić
Faculty of Chemistry University of Belgrade, Serbia
-
- 65 **Catalytic Asymmetric Mannich Reactions Using Chiral Organic Base Catalysts with Halogen Bond Donor Functionality**
 Satoru Kuwano
School of Science, Tokyo Institute of Technology, Japan
-
- 66 **Nature of M... π interactions between MCl(M=Cu, Ag, and Au) and carbene-stabilized diboryne**
 Xiaoyan Li
Hebei Normal University, China
-
- 67 **Stacking Interactions of Aromatic Ligands in Metal-Arene Complexes**
 Dusan Malenov
University of Belgrade, Serbia
-
- 68 **A Custom Iodine-Labelled Amino Acid Controls the Self-Assembly Behaviour of an Amyloidogenic-Derived Peptide**
 Alessandro Marchetti
Politecnico di Milano, Italy
-
- 69 **A New Electron Donor: Singlet and Triplet Borylenes**
 Lingpeng Meng
Hebei Normal University, China
-
- 70 **Chloride and Sulphur Form Stabilising Hydrogen Bonds in Metal Centred Complexes**
 Lucie Mevoe Obiang
CPUT, South Africa
-
- 71 **The Halogen Bond: An Efficient Tool for Electron Catalyzed C-I and C-S Bond Formation at Room Temperature**
 Anuradha Nandy
IIT MADRAS, India
-
- 72 **Halogen Interactions in Metal-Organic Frameworks**
 Christophe Adrien Ndamyabera
University of Cape Town, South Africa
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- 73 **Crystal Structure Analysis of N, N'-bis (4-chlorophenyl) Thiourea N, N-Dimethylformamide: Formation of Cocrystal Solvate**
Ayodele Odularu
University of Fort Hare, South Africa
-
- 74 **Synthesis and Characterization of Cu (II) Complexes of Salicylate Ligands**
Uchenna Ogodo
Institution, Nigeria
-
- 75 **Chalcogen Bonding Catalysis of a Nitro-Michael Reaction**
Raffaella Papagna
Ruhr-University Bochum, Germany
-
- 76 **Supramolecular Enhancement and Stabilization of the Amyloid- β Sequence 7-12 by Halogenation**
Andrea Pizzi
Politecnico di Milano, Italy
-
- 77 **Anomalous Halogen-Halogen Interaction assists Radial Chromophoric Assembly**
Remya Ramakrishnan
IISER Thiruvananthapuram, India
-
- 78 **Directionality of P...O Pnicogen Bonding in Light of Geometry Corrected Statistical Analysis**
Arijit Saha
Pondicherry University, India
-
- 79 **Optimization of 1,2,4-triazolium-based Halogen Bonding Scaffolds**
Ona Šivickytė
Biosystems & Integrative Sciences Institute, Portugal
-
- 80 **Quantum Electronic Pressure in Crystals with Cl...Cl, Br...Br, I...I Halogen Bonds under the External Hydrostatic Pressure**
Sergey Sobalev
South Ural State University, Russian Federation
-
- 81 **Tuning Physico-Chemical Properties of Resilin-like Oligopeptides by Halogen Bonding**
Lorenzo Sori
Politecnico di Milano, Italy
-
- 82 **Salt Formation between Frontline Antitubercular APIs: Using Co-grinding, Solvent Evaporation, Co-Sublimation and through Spontaneous Formation**
Jessé-Clint Stander
Rhodes University, South Africa
-
- 83 **Subtle Structural Phase Transition of a New Anilinium Hydrogenselenite Hybrid Compound**
Radhwane Takouachet
Abbes Laghrour Khenchela University, Algeria
-
- 84 **Synthesis and Evaluation of Fragments containing Halodifluoro Methyl Groups as Novel XB Donors**
Sebastian Vaas
University of Tuebingen, Germany
-
- 85 **Utilisation of Guest-Occupiable Space in the Solid State**
Dewald van Heerden
University of Stellenbosch, South Africa
-
- 86 **Cooperative Self-Assembly in Linear Chains Based on Halogen Bonds**
Pascal Vermeeren
Vrije Universiteit Amsterdam, The Netherlands
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- 87 **Preorganisation: A Powerful Tool in Intermolecular Halogen Bonding in Solution**
Martin Voelkel
Ruhr-University Bochum, Germany
-
- 88 **4,4'-Bipyridine as a Versatile Chiral Scaffold for New σ -Holes Donors: Rational Design, Synthesis and Applications in Medicinal Chemistry and Organocatalysis**
Robin Weiss
University of Strasbourg, France
-
- 89 **Halogen Bonding in Peptide Design and Selection**
Jian Xin
University of Tuebingen, Germany
-
- 90 **Comparison and Conversion of π -Hole Bond and Hydrogen Bond Involving Phosphinidene Dioxides**
Xueying Zhang
Hebei Normal University, China
-
- 91 **Stacking Interactions of Phenol And Toluene Molecules**
Jelena Živković
University of Belgrade, Serbia
-