12:00 – 14:00 Poster Session A to G

Highly reactive species

A1
A Series of Bicyclo[1.1.0]tetrasilane Radical Anions: Substituent Effects on 3-Electron-2-Center Silicon-Silicon Bonds
Koike Taichi
https://10esd.sciencesconf.org/463079/document

A2
A stable heavier analogue of ketenyl anion: synthesis, isolation and application
Kostenko Arseni
https://10esd.sciencesconf.org/462361/document

A3
Aryl-substituted Monosilanols and Silanediols as Molecular Precursors for Solventless (Poly)Condensation Reactions
Kannengiesser Jan-Falk
https://10esd.sciencesconf.org/477388/document

A4
Carbonylation of Disilenes
Kiefer Fiona
https://10esd.sciencesconf.org/482494/document

A5
Catalytic Hydrometallation of CO2 mediated by NHC-stabilized Silyliumylidenes
Stigler Sebastian
https://10esd.sciencesconf.org/481306/document

A6
Insights into the formation of the silicon cluster Si8{N(SiMe3)2}6
Moschref Cijam Amon
https://10esd.sciencesconf.org/482920/document

A7
Si(I)-Si(I) Bond Scission of Disilylenes by Insertion of Silylenes
Kobosil Sarah
https://10esd.sciencesconf.org/481777/document

A8
Strain-driven ring expansion of silicon heterocycles
Mueller Maximilian
https://10esd.sciencesconf.org/468296/document

New bonding systems

B1
Aryl Isocyanides Mediated Aryl and Silyl Exchange of Acyclic Imino(silyl)silylene via Cleavage of Aryl Câ€“N Bond
Zhu Huaiyuan
https://10esd.sciencesconf.org/482979/document

B2
Characterization of bonding mode of 1,2-disilabenzene and 1,2-digermabenzene
Hashizume Daisuke
https://10esd.sciencesconf.org/482817/document

B3
Four-Membered Cyclic Cations with Electron-Withdrawing Substituents
Falk Alexander
https://10esd.sciencesconf.org/481702/document

B4
Functionalization of Siliconoids with Group 14 Tetrylenes and Follow-Up Transition Metal Grafting
Giarrana Luisa
https://10esd.sciencesconf.org/468277/document

B5
Synthesis and reactivity of a bicyclo[1.1.0]tetrasilatetraamide
Quest Michael
https://10esd.sciencesconf.org/481823/document

B6
Synthesis, Structure and Dynamics of Silylated Nine Atomic [SizGe(9-z)] Zintl Clusters
Frankiewicz Kevin Maximilian
https://10esd.sciencesconf.org/483143/document

B7
Three-membered Si2B ring and its reactivity towards pyridine, DMAP and NHC
Parvin Nasrina
https://10esd.sciencesconf.org/482872/document

Reactivity and low coordinate silicon species

C1
Bis(silylene)-Stabilized Zero-Valent Monoatomic Tin and Lead Complexes
Xu Jian
https://10esd.sciencesconf.org/464735/document

C2
Bis-silylene ligands for the synthesis of low-valent aluminium-silicon complexes
Saddington Artemis
https://10esd.sciencesconf.org/482522/document

C3
Synthesis and Reactivity of Alkali Metal-substituted Silyl Radicals
Eisner Teresa
https://10esd.sciencesconf.org/479853/document

C4
Synthesis and Reactivity of Cationic Silyne
Rodriguez Alvarez Aurora
https://10esd.sciencesconf.org/481740/document

C5
Synthesis and Reactivity of N-Heterocyclic Carbene-Phosphinidene Substituted Silylene
Doleschal Martin Ernst
https://10esd.sciencesconf.org/480199/document

C6
Two Heteroleptic Siladicarbenes and their Electronic Structure
Maurer Leonard
https://10esd.sciencesconf.org/481757/document

C7
Weak interactions in Stabilized Silylium ions
Maerten Eddy
https://10esd.sciencesconf.org/481502/document

New compounds

D1
Silicon Complexes with a Tetra-Amido Macrocyclic Ligand - Catalysis by Structural Constraint
Hannibal Valentin
https://10esd.sciencesconf.org/482201/document

D2
Silylene and Germylene Amidinate Iron Complexes: A Versatile Route for Nanoparticles Synthetic Precursors
Madec David
https://10esd.sciencesconf.org/482606/document

D3
Stereochemically Pure N-Hydrosilyl-Substituted Phosphine Sulfides as Valuable Precursors for the Design of Inorganic Rings
Huber Tanja
https://10esd.sciencesconf.org/480366/document

D4
Synthesis and characterization of "œclick-functionalized" halogenosilane-pyridine-complexes
Riedel Sophie
https://10esd.sciencesconf.org/482876/document

D5
Theoretical study of the Si/C mixed analogues of polyhedral compounds
Uchiyama Tamotsu
https://10esd.sciencesconf.org/481388/document

Organometallics

E1
Borasilsesquioxanes - synthesis and functionalization
Frydrych Milosz
https://10esd.sciencesconf.org/482490/document

E2
Cobalt-catalyzed selective synthesis of organometalloid compounds utilizing low-cost pincer complexes
Lewandowski Dariusz
https://10esd.sciencesconf.org/468322/document

E3
Highly Markovnikov-selective hydrosilylation and hydrogermylation of alkynes catalyzed by cobalt(0) complex bearing bulky N-heterocyclic carbene ligand
Bolt M.
https://10esd.sciencesconf.org/482498/document

E4
Hydrosilylation of carbonyl compounds in the presence of novel iridium(I) complexes bearing (-)-menthol-based phosphorous(III) ligands
Stesik Konrad
https://10esd.sciencesconf.org/464819/document

E5
Non-noble metal catalysts for industrial hydrosilylation reactions
Vivien Anthony
https://10esd.sciencesconf.org/482459/document

E6
Ru-catalyzed Formation of Thiosilanes and Selenosilanes using Dichalcogenides as a User-Friendly Alternative to Thiols and Selenols
Gruszczynski Marcin
https://10esd.sciencesconf.org/475892/document

E7
Si-, Ge- and P-based Photoinitiators- Synthesis, Characterization and Evaluation of their Photochemical Properties
Wiesner Tanja
https://10esd.sciencesconf.org/477993/document

E8
Synthesis, Isolation and Characterization of a Genuine Distannene
Bashkurov Roman
https://10esd.sciencesconf.org/474355/document

E9
Two is better than one - influence of Bis-NHC ligand on platinum-catalyzed hydrosilylation of internal alkynes
Mermela Aleksandra
https://10esd.sciencesconf.org/482480/document

E10
Understanding Pd(0)-Si(IV) Z-Type Interaction in a Neutral Bis(amidophenolato)silane Complex
Ansmann Nils
https://10esd.sciencesconf.org/481297/document

New synthetic methodologies

F1
(PMe3)3Co≡SiTbb: A Cobalt Silylidyne Complex via Metathetical Exchange of Cobalt-Tetrel Triple Bonds
Deckstein Tobias
https://10esd.sciencesconf.org/481452/document

F2
Catalytic and Sustainable Approaches to Organosilicon and Related Elements Compounds
Walkowiak Jedrzej
https://10esd.sciencesconf.org/465076/document

F3
Catalytic synthesis of germasiloxanes and alkynylgermanes mediated by earth-abundant species.
Broniarz Konstancja
https://10esd.sciencesconf.org/479782/document

F4
CO2-Insertion into Silylamines, Aminosilanes and Silazanes - Precursors for Isocyanates, Ureas, Siloxanes and Methylamines
Kroke Dr. Edwin
https://10esd.sciencesconf.org/465079/document

F5
Cobalt pincer complexes for syn-selective hydrosilylation of internal alkynes
Stachowiak-Dluzynska Hanna
https://10esd.sciencesconf.org/480993/document

F6
Functional Mesoporous Silica Nanostructures: From Size to Shape
Vashishtha Anu
https://10esd.sciencesconf.org/465065/document

F7
Monosilane as a Cheap Feedstock for Branched Oligohydridosilanes
Heurix Madeleine
https://10esd.sciencesconf.org/478622/document

F8
Preparation of Cage Germoxaneâ€“Cage Siloxane Composites and Selective Removal of the Germoxane Units
Hayashi Taiki
https://10esd.sciencesconf.org/484885/document

F9
Synthesis and Structural Investigation of Silanols and Lithium Siloxides
Rothfelder Robin
https://10esd.sciencesconf.org/482421/document

F10
Synthesis of silicon-containing polyolefins
Januszewski Rafai
https://10esd.sciencesconf.org/462967/document

F11
Tuning Silicon's Lewis Acidity- From Structural Insights to Enhanced Reactivity
Thorwart Thaddaeus
https://10esd.sciencesconf.org/481709/document

New industrial trends

G1
Catechol-Mediated Redox-Neutral One-pot Transformation of SiO2 into SiPh4
Luo Qingqing
https://10esd.sciencesconf.org/482571/document

G2
Glycerol-suspended substances in a two-component silicone adhesive enable facile transdermal and topical drug release
Kristensen Jonas Brems
https://10esd.sciencesconf.org/476388/document

G3
Hydrosilylation of Siloxanes: An Industrial Perspective
Huggins John
https://10esd.sciencesconf.org/464944/document

G4
Microsystem for optical detection of toxic gas
Guittet Esteban
https://10esd.sciencesconf.org/464829/document

G5
MÃ¼ller-Rochow and Siemens Reloaded
Heinz Myron
https://10esd.sciencesconf.org/463158/document

G6
Preparation of Polymer-Layered Silicate Hybrids Coating for Anticorrosion
Tirayaphanitchkul Chalunda
https://10esd.sciencesconf.org/481640/document

G7
Silicone-Glycerol formulations embedded with cosmetic ingredients for Dermatological Applications: A Clinical Trial.
Echarri Maria
https://10esd.sciencesconf.org/480964/document

G8
Stimulus responsive fluorescent organosilicon smart materials
Manman Wu
https://10esd.sciencesconf.org/464114/document

15:45 – 17:45 Poster Session H to N

Biocomposites, biomaterials and nanomedicine

H1
Effect of macromolecular organosilicon compounds containing functional methacrylate groups on the impact properties of polylactide (PLA).
Glowacka Julia
https://10esd.sciencesconf.org/482461/document

H2
Mechanically tunable silicone substrates with low-temperature curing for mechano-regulation of cardiomyocyte cellular responses
Tirgar Pouria
https://10esd.sciencesconf.org/483427/document

H3
Transdermal drug delivery via transdermal patches
Eriksen Sofie
https://10esd.sciencesconf.org/478614/document

H4
Wetting kinetics of PDMS-PEG surfactant based silicone antifouling coatings: Influence on protein adsorption
Gourlaouen Elliot
https://10esd.sciencesconf.org/481295/document

H5
Cyclotriphosphazenes with mixed functional groups and high P-content for durable flame retardant finishing of cotton fabrics
Szymanska Anna
https://10esd.sciencesconf.org/482856/document

H6
Synthesis of New Bio-based Silica Modifiers for the Tire Industry by Hydrosilylation of Terpenoid Derivatives
Sokolnicki Tomasz
https://10esd.sciencesconf.org/483184/document

H7
Organosilicon compounds contain phosphor as a new flame retardant modifiers for cotton textiles
Przybylak Marcin
https://10esd.sciencesconf.org/482900/document

H8
Synthesis and studies of hollow periodic mesoporous organosilicas (HPMO)
KONGKAEW Manisa

Luminescence and sensors

I1
A novel alkoxysilane-bearing photoreversible cinnamic side group: synthesis, characterization and exploitation in the design of multifunctional silica nanoparticles
Orsini Sara Fernanda
https://10esd.sciencesconf.org/462772/document

I2
Computational study on luminescence properties of small organosilicon molecules
Li Jia
https://10esd.sciencesconf.org/462815/document

I3
Designable hybrid ionic liquid sensor based on POSS for detecting polycyclic aromatic hydrocarbons (PAHs) and Nitroaromatic compounds (NACs)
Pherkkhuntod Chenchira
https://10esd.sciencesconf.org/483019/document

I4
Dual-function Fluorescent Elastomeric Material based on Silsesquioxane Cage
Bureerug Teeraya
https://10esd.sciencesconf.org/483020/document

I5
Photoresponsive organosilicon materials and their applications
Zhu Qingzeng
https://10esd.sciencesconf.org/462461/document

I6
Photoresponsive Self-Assembled Monolayers based-organosilanes for data storage
Courdurié Chloé
https://10esd.sciencesconf.org/461322/document

I7
Preparation of a Low-temperature Resistant Dual Network Hydrogel with Strain Stimulation Response Containing Polysiloxane Ionic Liquid
Yushu Xu
https://10esd.sciencesconf.org/462957/document

I8
Sensor and adsorbent for cation and anion removal based on silica
Jitjaroendee Thanudkit
https://10esd.sciencesconf.org/483046/document

I9
Stretchable and reversible photochromic hydrous TiO2 glycerol-PDMS elastomer for rewritable film with minimal resolution loss
Li Chonghui
https://10esd.sciencesconf.org/474667/document

I10
Polylactide Membrane Modification Using A Novel Polymethylhydrosiloxane Hydrophilization Process
Audourenc Jules
https://10esd.sciencesconf.org/463009/document

I11
Redox-Active Lewis Pairs Yield Diradicaloids and Enable Modular Control of the Diradical Character
Maskey Rezisha
https://10esd.sciencesconf.org/482296/document

Catalysis and environmental aspects

J1
A Systematic Investigation of Platinum Nanoparticle Catalyzed Polymerization and Characterization of Aromatic Silanes
Tortos Nathan
https://10esd.sciencesconf.org/462606/document

J2
Platinum on Alumina catalyzed Dehydrocoupling of Aliphatic Silanes
Garcia Oliver
https://10esd.sciencesconf.org/462611/document

J3
N-Heterocyclic imidazolium-functionalized polyhedral oligomeric silsesquioxane based on metal(II) acetate as a catalyst
Phansuwan Wannipa
https://10esd.sciencesconf.org/483027/document

J4
Synthesis of SiC-based catalysts for exothermic catalysis
Gonçalves Léa
https://10esd.sciencesconf.org/464946/document

J5
A multiscale approach to improve the thermoelectric performances of alkaline-earth-silicide alloys
Ghannam Rana
https://10esd.sciencesconf.org/478971/document

J6
PROPLANET- ENHANCED SAFE AND SUSTAINABLE COATINGS AS AN ALTERNATIVE FOR PFAS
Suarez Vega Ana
https://10esd.sciencesconf.org/463063/document

J7
Efficiency method for the synthesis of silyl ethers using cobalt complexes
Szafoni Ewelina
https://10esd.sciencesconf.org/480156/document

silicon and functional organosilanes

K1
Nanostructuring Silicon via Metal-Assisted Chemical Etching
Bourret Gilles R.
https://10esd.sciencesconf.org/457920/document

K2
Organofunctional silanes obtained by thiol-(meth)acrylate Michael addition reaction
Przybylska Agnieszka
https://10esd.sciencesconf.org/480625/document

K3
Organofunctional silicon compounds as precursors of hydrophilic and anti-fogging materials
Kaczmarek Marta
https://10esd.sciencesconf.org/480626/document

K4
Single-Source Precursors: A Versatile Tool for Liquid Phase Deposition
Lainer Thomas
https://10esd.sciencesconf.org/464751/document

K5
SprayTex- A Spray Etching Approach to Structure or Polish Silicon Surfaces with HF-(HCl)-Cl2 Mixtures
Stapf André
https://10esd.sciencesconf.org/464972/document

K6
Time-resolved Photoluminescence on Silicon Nanoparticles obtained from Hazardous Chlorosilane Hydrolysates
Franze Georg
https://10esd.sciencesconf.org/482847/document

K7
Zinc singles sites anchored on silica nanoparticles as alternative curing activators in elastomeric composites
Mostoni Silvia
https://10esd.sciencesconf.org/462699/document

Silicone- and siloxane-based materials

L1
A subtle and quickly UV-fixed Si/P coating that significantly increases the thermal stability and reduces the flammability of cotton fabrics
Szolyga Mariusz
https://10esd.sciencesconf.org/482212/document

L2
Cyclophosphazene crosslinked silicone-based, flame retardant coatings for textiles
Dutkiewicz Michal
https://10esd.sciencesconf.org/482208/document

L3
Hydrolysis of linear ethoxyoligosiloxanes as a cross-linking agent
Sato Yohei
https://10esd.sciencesconf.org/462016/document

L4
Synthesis of solvent-free, extremely soft and elastic bottlebrush elastomers for soft robotics
Hashmi Uzair
https://10esd.sciencesconf.org/479868/document

L5
New High Surface Area Silica for Silicone Compounds
Schmidt Franz
https://10esd.sciencesconf.org/462339/document

L6
Silicone dielectric elastomer fiber actuator
Kang Zhaoqing
https://10esd.sciencesconf.org/474666/document

L7
Perovskite-Silicone Elastomer with Excellent Flexibility and Luminescent Properties
Zheng Wei
https://10esd.sciencesconf.org/462914/document

L8
Functional silicone elastomers efficiently crosslinked through supramolecular interactions without catalyst
Ciubotaru Bianca-Iulia
https://10esd.sciencesconf.org/482563/document

L9
Experimental testing of self-repairing capacitive pressure sensors
Cârlescu Vlad
https://10esd.sciencesconf.org/485483/document

L10
An approach to develop silicone elastomers with enhanced electromechanical transduction properties based on multicarboxy-POSS
Dascalu Mihael
https://10esd.sciencesconf.org/482553/document

L11
Construction and performance research of silicone rubber conductive network
Han Jiyuan
https://10esd.sciencesconf.org/463059/document

L12
Ring-Opening Polymerization of Cyclic Oligodimethylsiloxanes (D3, D4) using Phosphonium Alkoxide initiators
Shi Limiao
https://10esd.sciencesconf.org/481533/document

L13
Novel silicone materials with cyclic polymers
Frederiksen Nikoline Stig
https://10esd.sciencesconf.org/462427/document

L14
Silicone elastomers for artificial muscles
Nedelcu Cristina
https://10esd.sciencesconf.org/474743/document

L15
INVESTIGATION ON THE LOSS OF SILICONE RUBBER ELASTICITY INDUCED BY HYDROTHERMAL AGEING
Ramram Manar
https://10esd.sciencesconf.org/480817/document

Silsesquioxanes, cage-like, POSS

N1
The effects of organosilicon additives application on polylactide degradation process
Brzakalski Dariusz
https://10esd.sciencesconf.org/477770/document

N2
Synthesis of a T14Ph14 silsesquioxane framework
Hunsicker Marc
https://10esd.sciencesconf.org/482933/document

N3
The importance of organosilicon compounds for 3D printing technology
Sztorch Bogna
https://10esd.sciencesconf.org/482761/document

N4
Silsesquioxane Chemosensor for Dual Responsive Anions and Cations Based on 1,8-naphthalimide Benzo-Crown Ether.
Chanyong Boonsita
https://10esd.sciencesconf.org/483023/document

N5
Organocatalytic synthesis of POSS-SH derivatives- mechanochemistry vs. reaction in solvent.
Hanek Kamil
https://10esd.sciencesconf.org/482226/document

N6
N,X-pincer type derivatives of dendrimers with silsesquioxane core
Mrzyglód Aleksandra
https://10esd.sciencesconf.org/462626/document

N7
Influence of the organic substituents on the structure and properties of polysilsesquioxane melting gels
Pohl Svenja
https://10esd.sciencesconf.org/455762/document

N8
Ladder-like polysilsesquioxane/Al2O3 nanocomposites with enhanced thermal conductivity
Romeo Chiara
https://10esd.sciencesconf.org/482203/document

N9
Nanocomposites from N-methyl imidazolium groups anchored octasilsesquioxane and meso-tetra(4-sulfonatophenyl)-porphyrin in aqueous medium for diversified applications
Srirattanaprasit Nattaya
https://10esd.sciencesconf.org/483030/document

N10
Novel Organic-inorganic Hybrid Polymer Based on Fluorinated POSS for Stable Superamphiphobic Fabrics and Aluminum Corrosion Protection
Li Wanli
https://10esd.sciencesconf.org/474324/document

N11
Preparation of porous networks by cross-linking cage siloxanes with Al species
Hikino Takuya
https://10esd.sciencesconf.org/484901/document

N12
Synthesis of New Functionalized Silsesquioxanes
Liu Yujia
https://10esd.sciencesconf.org/462046/document