

### **Antimicrobial activity of commercial photocatalytic SaniTise™ Window glass**

Kisand, Vambola; Visnapuu, Meeri; **Rosenberg, Merilin**; Danilian, Dmytro; Vlassov, Sergei; Kook, Mati; Lange, Sven; Pärna, Rainer; Ivask, Angela Catalysts 2022 / art. 197 <https://doi.org/10.3390/catal12020197> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Apatites based catalysts : a tentative classification**

Gruselle, Michel; **Tõnsuaadu, Kaia**; Gredin, Patrick; Len, Christophe Molecular catalysis 2022 / art. 112146 <https://doi.org/10.1016/j.mcat.2022.112146> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Application of agricultural waste as heterogeneous catalysts for biodiesel production**

Khan, Haris Mahmood; Iqbal, Tanveer; Yasin, Saima; Ali, Chaudhry Haider; Abbas, Muhammad Mujtaba; Jamil, Muhammad Asif; **Hussain, Abrar**; Soudagar, Manzoore Elahi M.; Rahman, Muhammad Muhtur Catalysts 2021 / art. 1215, 17 p. : ill <https://doi.org/10.3390/catal11101215> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Asymmetric aminocatalytic Michael addition of cyclopropane-containing aldehydes to nitroalkenes**

Reitel, Kärt; Lippur, Kristin; Järving, Ivar; Kudrjašova, Marina; Lopp, Margus; Kanger, Tõnis Synthesis 2013 / p. 2679-2683 : ill <https://doi.org/10.1055/s-0033-1338704> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Asymmetric cyclopropanation via an electro-organocatalytic cascade**

Krech, Anastasiya; Laktsevich-Iskryk, Marharyta; Deil, Nora; Fokin, Mihhail; Kimm, Mariliis; Ošeka, Maksim Chemical communications 2024 / 14026-14029 <https://doi.org/10.1039/D4CC05092D> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Asymmetric Kulinkovich hydroxycyclopropanation of alkenes mediated by titanium(IV) TADDOLate complexes**

Iskryk, Marharyta; Barysevich, Maryia; Ošeka, Maksim; Adamson, Jasper; Kananovich, Dzmitry Synthesis 2019 / p. 1935-1948 : ill <https://doi.org/10.1055/s-0037-1611709> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Asymmetric organocatalytic aza-Michael reactions of isatin derivatives**

Žari, Sergei; Metsala, Andrus; Kudrjašova, Marina; Kaabel, Sandra; Järving, Ivar; Kanger, Tõnis Synthesis 2015 / p. 875-886 : ill <https://doi.org/10.1055/s-0034-1379956> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Asymmetric organocatalytic cascade synthesis of tetrahydrofuran spirooxindoles**

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### **Asymmetric organocatalytic Michael addition–cyclisation cascade of cyclopentane-1,2-dione with alkylidene malononitriles**

Silm, Estelle; Kaabel, Sandra; Järving, Ivar; Kanger, Tõnis Synthesis 2019 / p. 4198-4204 <https://doi.org/10.1055/s-0039-1690484> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Asymmetric organocatalytic Michael Addition-cyclization cascade of cyclopentane-1,2-dione with substituted $\alpha,\beta$ -unsaturated aldehydes**

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### **Asymmetric organocatalytic synthesis of spiro-cyclopropanoxindoles**

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### **Asymmetric synthesis of 2,3,4-trisubstituted piperidines**

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### **Aza-Michael reactions of isatin imines : deeper insight and origin of the stereoselectivity**

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### **Cellular, extracellular and extracellular vesicular miRNA profiles of pre-ovulatory follicles indicate signaling disturbances in polycystic ovaries**

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### **Cobalt-containing nitrogen-doped carbon aerogels as efficient electrocatalysts for the oxygen reduction reaction**

**Kreek, Kristiina**; Sarapuu, Ave; Samolberg, Lars; Joost, Urmas; **Mikli, Valdek**; **Koel, Mihkel**; Tammeveski, Kaido  
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**De novo 3D structure determination from sub-milligram protein samples by solid-state 100 kHz MAS NMR spectroscopy**  
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**Degradation of antibiotic vancomycin by UV photolysis and pulsed corona discharge combined with extrinsic oxidants**  
**Nikitin, Dmitri**; Kaur, Balpreet; **Preis, Sergei**; **Dulova, Niina** Catalysts 2023 / art. 466, 16 p. : ill <https://doi.org/10.3390/catal13030466>  
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**Dehydration of AlPO<sub>4</sub>-34 studied by variable-temperature NMR, XRD and first-principles calculations**  
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**Diastereoselective [2,3]-sigmatropic rearrangement of N-allyl ammonium ylides**  
**Murre, Aleksandra**; **Erkman, Kristin**; **Kaabel, Sandra**; **Järving, Ivar**; **Kanger, Tõnis** Synthesis 2019 / p. 4183–4197  
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**Differential susceptibility of catheter biomaterials to biofilm-associated infections and their remedy by drug-encapsulated eudragit RL100 nanoparticles**  
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**Dynamic chiral cyclohexanohemicucurbit[12]uril**  
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**Editorial overview : a closer look on green developments in analytical chemistry: green analytical chemistry is going mainstream**  
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**Electrochemical characterisation of Co@Co(OH)<sub>2</sub> core-shell nanoparticles and their aggregation in solution**  
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**Electroreduction of oxygen on carbide-derived carbon supported Pd catalysts**  
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**Electrospun carbon nanofibre-based catalysts prepared with Co and Fe phthalocyanine for oxygen reduction in acidic medium**  
Muuli, Kaur; Mooste, Marek; Akula, Srinu; **Gudkova, Viktoria**; Otsus, Markus; Kikas, Arvo; Aruväli, Jaan; Treshchalov, Alexey; Kisand, Vambola; **Krumme, Andres** ChemElectroChem 2023 / art. e202300131, 12 p. : ill <https://doi.org/10.1002/celec.202300131>  
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**Electrospun polyacrylonitrile-derived Co and Fe containing nanofibre catalysts for oxygen reduction reaction at the alkaline membrane fuel cell cathode**  
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**Enantio-differentiating hydrogenation of alkyl 3-oxobutanoates over tartaric acid-modified Ni catalyst: Enthalpy-entropy**

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#### Enantioselective construction of acyclic quaternary carbon stereocenters : palladium-catalyzed decarboxylative allylic alkylation of fully substituted amide enolates

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#### Enantioselective N-Alkylation of Nitroindoles under Phase-Transfer Catalysis

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#### Enantioselective organocatalytic Michael addition of cyclopentane-1,2-diones to nitroolefins

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#### Enhanced visible and ultraviolet light-induced gas-phase photocatalytic activity of TiO<sub>2</sub> thin films modified by increased amount of acetylacetone in precursor solution for spray pyrolysis

**Spiridonova, Jekaterina**; Mere, Arvo; Krunk, Malle; Rosenberg, Merilin; Kahru, Anne; **Danilson, Mati**; **Kritševskaja, Marina**; **Oja Acik, Ilona** Catalysts 2020 / 21 p. : ill <https://doi.org/10.3390/catal10091011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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#### Formation and trapping of the thermodynamically unfavoured inverted-hemicucurbit[6]uril

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#### Gas-phase photocatalytic oxidation of refractory VOCs mixtures : through the net of process limitations

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#### Hydroxamic acids as PARP-1 inhibitors : molecular design and anticancer activity of novel phenanthridinones

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#### Importance of the micro-lattice structure of selective laser melting processed Mo/Mo(x)S(x+1) composite: Corrosion studies on the electrochemical performance in aqueous solutions

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#### Insight into the mechanism and stereochemistry of the transformations of alkyltitanium ate-complexes. An enhanced

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#### Interaction of tannic acid with ferric iron to assist 2,4,6-trichlorophenol catalytic decomposition and reuse of ferric sludge as a source of iron catalyst in Fenton-based treatment

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#### Iron and cobalt phthalocyanine embedded electrospun carbon nanofiber-based catalysts for anion exchange membrane fuel cell cathode

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#### Ligand-tailored divergence of copper-catalyzed aerobic oxidation of cyclopropanols. Application to the practical synthesis of $\beta$ -aminoketones and $\beta$ -enaminones

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#### Metals in ALS TDP-43 pathology

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#### Non-invasive assessment of skin surface proteins of psoriasis vulgaris patients in response to biological therapy

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#### On the pH Dependency of the Catalysis by a Lytic Polysaccharide Monooxygenase from the Fungus *Trichoderma reesei*

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#### Oxidation of aqueous toluene by gas-phase pulsed corona discharge in air-water mixtures followed by photocatalytic exhaust air cleaning

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### **Oxygen reduction on catalysts prepared by pyrolysis of electrospun styrene- acrylonitrile copolymer and multi-walled carbon nanotube composite fibres**

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### **A phenotypic approach to probing cellular outcomes using heterobivalent constructs**

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### **Photocatalytic degradation of different VOCs in the gas-phase over TiO<sub>2</sub> thin gilms prepared by ultrasonic spray pyrolysis**

**Dundar, Ibrahim**; **Kritševskaja, Marina**; **Katerski, Atanas**; **Krunks, Malle**; **Oja Acik, Ilona** Catalysts 2019 / art. 915 ; 18 p. : ill <https://doi.org/10.3390/catal9110915> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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### **A quantitative method for analysis of mixtures of homologues and stereoisomers of hemicucurbiturils that allows us to follow their formation and stability**

**Fomitšenko, Maria**; **Peterson, Anna**; Reile, Indrek; Cong, Hang; **Kaabel, Sandra**; **Prigorchenko, Elena**; **Järving, Ivar**; **Aav, Riina** New journal of chemistry 2017 / p. 2490-2497 : ill <https://doi.org/10.1039/C6NJ03050E> [Journal metics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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### **Ring-opening coupling reaction of cyclopropanols with electrophilic alkenes enabled by decatungstate as photoredox catalyst**

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**Serum levels and removal by haemodialysis and haemodiafiltration of tryptophan-derived uremic toxins in ESKD patients**

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**Synthesis and characterisation of chiral triazole-based halogen-bond donors: halogen bonds in the solid state and in solution**

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**Template-controlled synthesis of chiral cyclohexylhemicucurbit[8]uril**

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