



Auf diesen drei Seiten weisen wir auf wichtige aktuelle Beiträge in unseren Schwesterzeitschriften hin. Wenn Sie die Seiten online lesen, dann können Sie

die Artikel mit einem Klick direkt aufrufen, ansonsten sind sie durch Eingabe der DOIs über Wiley InterScience leicht online zugänglich.

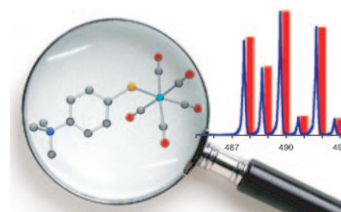


Phosphinidene Complexes

H. Jansen, M. C. Samuels, E. P. A. Couzijn, J. C. Slootweg, A. W. Ehlers, P. Chen,* K. Lammertsma*

Reactive Intermediates: A Transient Electrophilic Phosphinidene Caught in the Act

Trapped! The transient electrophilic phosphinidenes $[R-P=W(CO)_3]$ have emerged as versatile intermediates that are highly valuable in the synthesis of a plethora of organophosphorus compounds, nevertheless their existence has never been unequivocally established. By employing electrospray ionisation tandem mass spectrometry (ESI-MS/MS), this low-valent species has now been detected and its gas-phase reactivity perfectly matches the well-established solution-phase data.



Chem. Eur. J.
DOI: 10.1002/chem.200902715

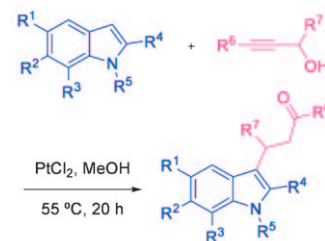


One-Pot Synthesis

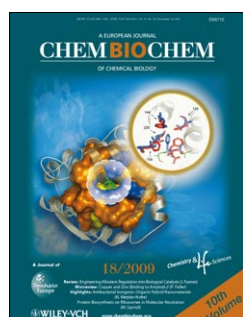
S. Bhuvaneswari, M. Jeganmohan, C.-H. Cheng*

Platinum-Catalyzed Multi-Step Reaction of Propargyl Alcohols with N-Heteroaromatics

Cooking in only one pot: N-Heteroaromatics including indoles and pyrroles efficiently react with propargyl alcohols in the presence of $PtCl_2$ leading to carbon-3 alkylation of indoles and carbon-2 alkylation of pyrrole.



Chem. Asian J.
DOI: 10.1002/asia.200900318



Single-Molecule Studies

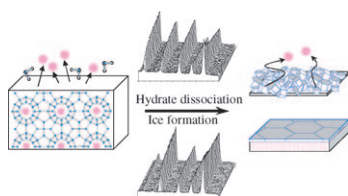
L. Ma, S. L. Cockcroft*

Biological Nanopores for Single-Molecule Biophysics

Biology viewed through the eye of a pore: Single-molecule methods have revolutionised the way that biological questions are tackled. Contributions to the field of biophysics from biological nanopore-based methods are reviewed.



ChemBioChem
DOI: 10.1002/cbic.200900526



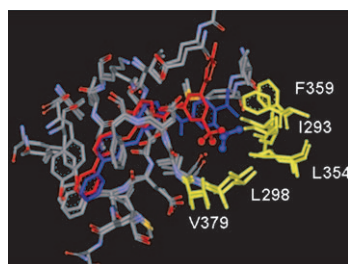
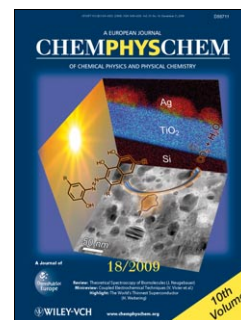
ChemPhysChem
DOI: 10.1002/cphc.200900731

Gas Hydrates

S. Takeya, J. A. Ripmeester*

Anomalous Preservation of CH₄ Hydrate and its Dependence on the Morphology of Hexagonal Ice

Trapped: Anomalous preservation, the existence of gas hydrates far outside their stability zone below the melting point of ice, is shown to depend on the type of guest molecule, the morphology of hexagonal ice that grows during hydrate dissociation and the mode of decomposition (see graphic).



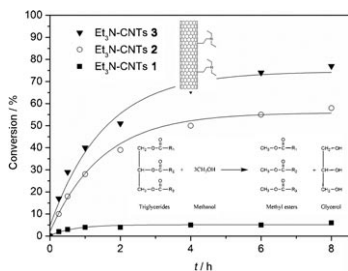
ChemMedChem
DOI: 10.1002/cmdc.200900394

Drug Design

K. Skobridis,* M. Kinigopoulou, V. Theodorou, E. Giannousi, A. Russell, R. Chauhan, R. Sala, N. Brownlow, S. Kiriakidis, J. Domin, A. G. Tzakos, N. J. Dibb

Novel Imatinib Derivatives with Altered Specificity between Bcr–Abl and FMS, KIT, and PDGF Receptors

Tuning selectivity: Herein we report the design, synthesis, and biological evaluation of a new series of phenylaminopyrimidines, structurally related to imatinib, which generally have greater activity against the PDGFR family and poorer activity against Abl as the result of alterations of the phenyl and *N*-methylpiperazine rings.



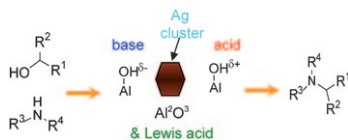
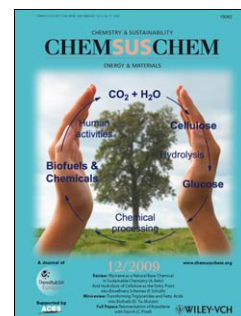
ChemSusChem
DOI: 10.1002/cssc.200900181

Functional Nanotubes

A. Villa, J.-P. Tessonnier, O. Majoulet, D. S. Su,* R. Schlögl

Transesterification of Triglycerides Using Nitrogen-Functionalized Carbon Nanotubes

Nitrogen-functionalized carbon nanotubes are synthesized by grafting amino groups onto the surface of the nanotubes. We demonstrate that the concentration of the active sites and the reaction parameters have strong effects on the activity of the catalysts in the transesterification of glyceryl tributyrate to methyl butanoate.



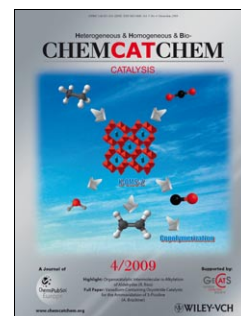
ChemCatChem
DOI: 10.1002/cctc.200900209

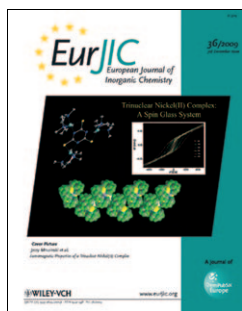
Supported Catalysts

K. Shimizu,* M. Nishimura, A. Satsuma

γ -Alumina-Supported Silver Cluster for *N*-Benzylation of Anilines with Alcohols

A silver lining in every catalyst: Silver clusters on γ -Al₂O₃ catalyze the *N*-alkylation of anilines with alcohols in the presence of a catalytic amount of Lewis acid. The reaction proceeds by cooperation of coordinatively unsaturated silver, acid, and base sites of the oxide support.



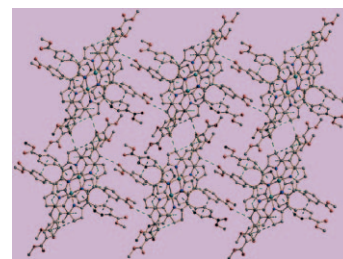


Tuning Supramolecular Networks

W. Chen, S. Fukuzumi*

Change in Supramolecular Networks through In Situ Esterification of Porphyrins

Eight esterified TCPP compounds were successfully synthesized by solvothermal reactions and characterized. The reaction mechanism was investigated. Esterification plays a vital role in the properties, structural motifs and supramolecular networks.



Eur. J. Inorg. Chem.
DOI: 10.1002/ejic.200900801

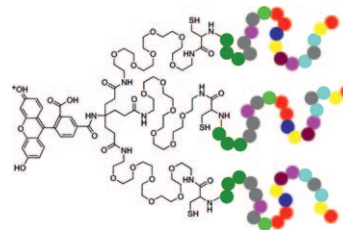


Multifunctional Peptide Dendrimers

E. H. M. Lempens, B. A. Helms, A. R. Bayles, M. Merckx, E. W. Meijer*

A Versatile, Modular Platform for Multivalent Peptide Ligands Based on a Dendritic Wedge

An efficient, modular and broadly applicable strategy is presented for the synthesis of multivalent and multifunctional peptide dendrimers. The scope of the method is demonstrated by introduction of a variety of popular targeting peptides at the periphery and other biologically relevant groups at the focal point of AB_n-type ($n = 2-5$) dendrons.



Eur. J. Org. Chem.
DOI: 10.1002/ejoc.200901045

Top Chemistry Global Visibility

Please visit:
www.chempubsoc.eu