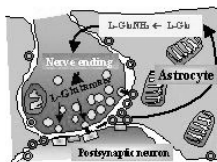


Collect. Czech. Chem. Commun.  
2001, 66, 1315–1340

### Neurochemistry of L-Glutamate Transport in the CNS: A Review of Thirty Years of Progress

Vladimir J. Balcar, Akiko Takamoto  
and Yukio Yoneda



L-Glutamate is something of a Jekyll and Hyde inside your body – it can turn from a natural excitant into a potent neurotoxin. The articles focuses on a system that controls the actions of L-glutamate in brain

Collect. Czech. Chem. Commun.  
2001, 66, 1341–1347

### An Equation for Viscosity of Binary Liquid Mixtures

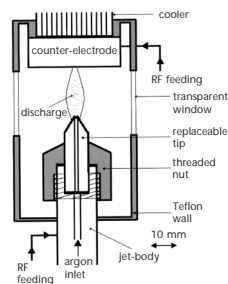
George Moumouzias and  
George Ritzoulis

$$\ln v = x_1^4 \frac{(C_1 + t)}{(C_{av} + t)} \ln v_1 M_1 + 4x_1^3 x_2 \frac{(C_{1112} + t)}{(C_{av} + t)} \ln v_{1112} M_{1112} + 6x_1^2 x_2^2 \frac{(C_{1122} + t)}{(C_{av} + t)} \ln v_{1122} M_{1122} + 4x_1 x_2^3 \frac{(C_{2221} + t)}{(C_{av} + t)} \ln v_{2221} M_{2221} + x_2^4 \frac{(C_2 + t)}{(C_{av} + t)} \ln v_2 M_2 - \ln M_{av} - \frac{\ln hN}{(C_{av} + t)} (x_1^4 C_1 + 4x_1^3 x_2 C_{1112} + 6x_1^2 x_2^2 C_{1122} + 4x_1 x_2^3 C_{2221} + x_2^4 C_2 - C_{av})$$

Collect. Czech. Chem. Commun.  
2001, 66, 1348–1358

### Preliminary Investigations of High-Frequency Atmospheric-Pressure Plasma Jet for Atomic Emission Spectrometry

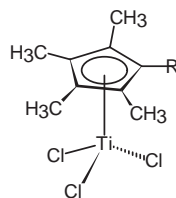
Martin Štěpán, Martin Semerád,  
Viktor Kanický and Vítězslav Otruba



Collect. Czech. Chem. Commun.  
2001, 66, 1359–1374

### Synthesis of Trichloro(η<sup>5</sup>-alkenyl-tetramethylcyclopentadienyl)titanium(IV) Complexes and Their Activity in Styrene Polymerization

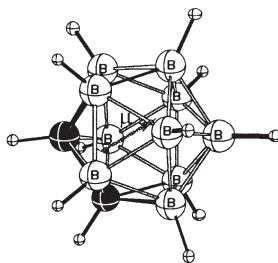
Jaroslav Zemánek, Lenka Fröhlichová,  
Pavel Šindelář, Petr Štěpnička, Ivana Císařová,  
Vojtech Varga, Michal Horáček and Karel Mach



Collect. Czech. Chem. Commun.  
**2001, 66, 1375–1379**

**Charge Distribution Within  
 1,2-Dicarba-*closo*-dodecaborane:  
 Dipole Moments of Its  
 Phenyl Derivatives**

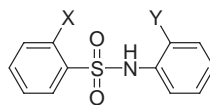
Drahomír Hnyk, Václav Všetečka,  
 Ladislav Drož and Otto Exner



Collect. Czech. Chem. Commun.  
**2001, 66, 1380–1392**

***Ortho* Effect in Dissociation of Substituted  
 N-Phenylbenzenesulfonamides**

Jiří Nádvořník and Miroslav Ludwig

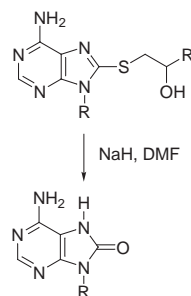


X, Y - all possible combinations  
 of CH<sub>3</sub>O, CH<sub>3</sub>, H, Cl, NO<sub>2</sub>  
 substituents

Collect. Czech. Chem. Commun.  
**2001, 66, 1393–1406**

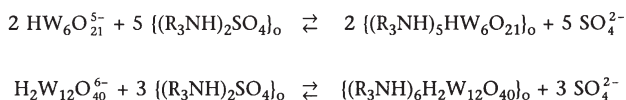
**Transformation of 8-[(2-Hydroxyalkyl)sulfanyl]-  
 adenines to 6-Amino-7*H*-purin-8(9*H*)-one  
 Derivatives**

Zlatko Janeba, Antonín Holý and Milena Masojídková



Collect. Czech. Chem. Commun.  
**2001, 66, 1407–1419**

**Extraction of Tungsten  
 with Trialkylamine –  
 Effect of pH**

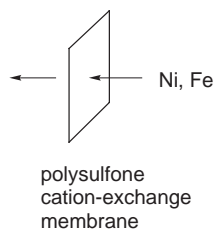


Jaroslav Procházka, Aleš Heyberger,  
 Jan Horáček, Eva Volaufová,  
 Jitka Voborská and Eva Macháčková

Collect. Czech. Chem. Commun.  
**2001, 66, 1420–1428**

### Sorption of Nickel and Iron on Polysulfone Cation Exchange Membranes

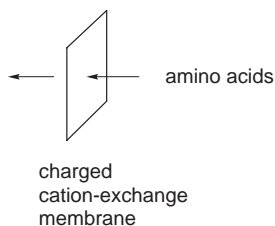
Esengul Kir, Yunus Cengelolu  
and Mustafa Ersoz



Collect. Czech. Chem. Commun.  
**2001, 66, 1429–1442**

### Transport of Amino Acids Through Charged Cation-Exchange Membrane

Huseyin Kara, Zafer Yazicigil,  
Fatih Durmaz and Mustafa Ersoz



Collect. Czech. Chem. Commun.  
**2001, 66, 1443–1456**

### Deacetylation of *Eucalyptus globulus* Acetosolv Pulps in Aqueous Media: A Kinetic Study

Carlos Vila, Sonia Dapía, Valentín Santos  
and Juan Carlos Parajó

