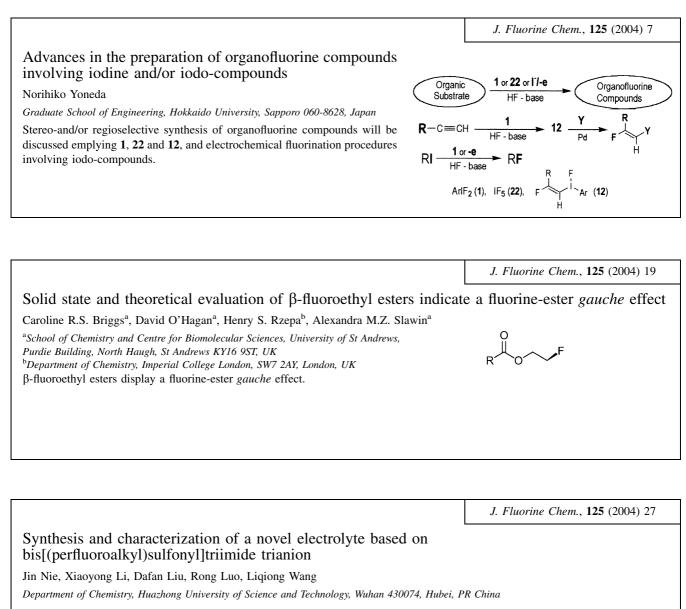


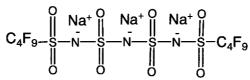
Volume 125, Issue 1, 1 January 2004



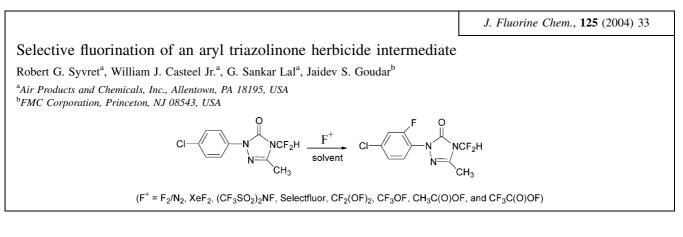
www.elsevier.com/locate/jfluchem

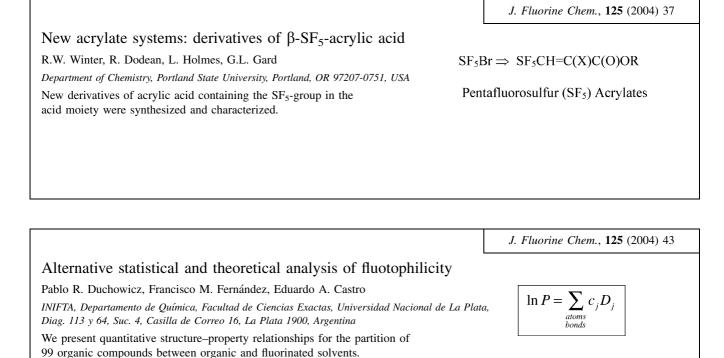
Graphical Abstracts/J. Fluorine Chem. 125 (2004) 1-5





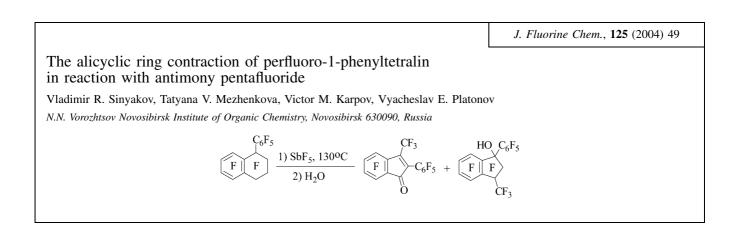
Graphical Abstracts



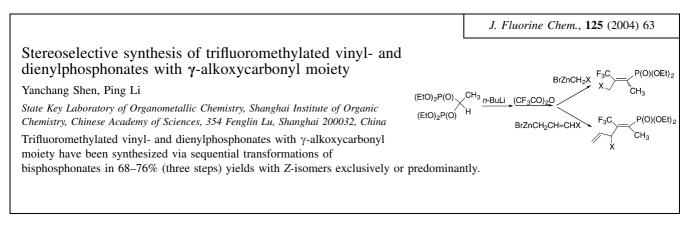


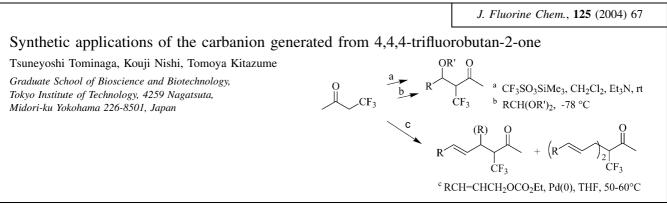
The approach consists of straightforward multivariate regression using

the simplest topological molecular descriptors.



	J. 1	Fluorine Chem., 125 (2004) 55	
Efficient synthesis of new perfluorinated or hybrid amphiphilic surfactants			
Sedat Cosgun, Christine Gérardin-Charbonnier, Jacques Amos, Claude Sel	ve		
UMR 7565, Laboratoire de Chimie-Physique Organique et Colloïdale (LCPOC), Université Henri Poincaré Nancy I.Faculté des Sciences et Techniques, BP 239, 54506 Vandoeuvre-lès-Nancy, France A very simple method for the preparation of dialkyl or trialkylchain amphiphilic perfluorinated analogues of peptidoamines with or without perhydrogenated chain. $F(CF_2)_n CF=CHCOO$	Et $ \frac{1) R^{1}R^{2}NH, Et_{2}O, \Delta}{2) H_{2}, Pd / C \text{ or Raney Ni}} $ $ \frac{3) H_{2}NCHCH_{2}Imidazole}{R} BOP $	$\begin{array}{c} F(CF_2)_nCHCH_2CONHCHCH_2Imidazole \\ I \\ R_2R_1N \\ R^1=H, R^2=F(CF_2)_nC_2H_4 \\ \text{ or } R^1=H, R^2=H(CH_2)_m \\ \text{ or } R^1=H(CH_2)_m, R^2=H(CH_2)_m \\ \end{array}$	





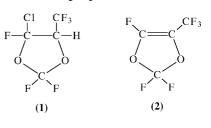
J. Fluorine Chem., 125 (2004) 73

Perfluoro-4-methyl-1,3-dioxole: a new monomer for high- T_{g} amorphous fluoropolymers

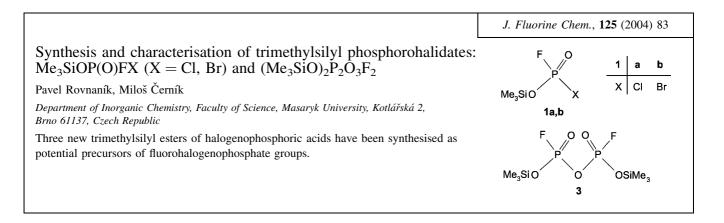
Antonio Russo, Walter Navarrini

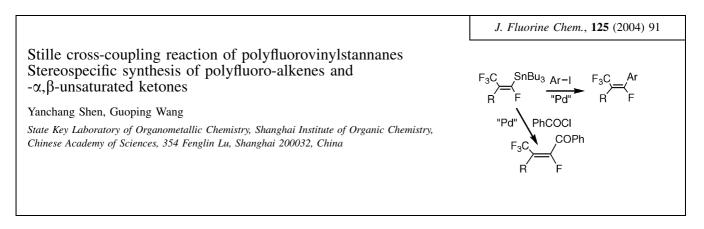
Solvay Solexis, R & D Centre, V.le Lombardia 20, 20021 Bollate (MI), Italy

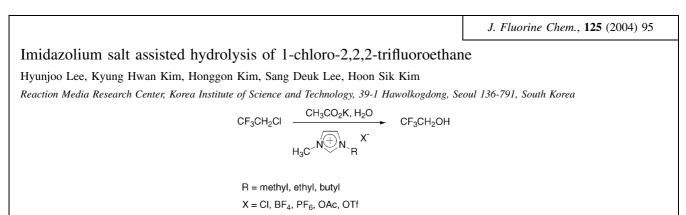
The synthesis and characterization of the new compounds 4-chloro-5-trifluoromethyl-2,2,4-trifluoro-1,3-dioxolane (1) and perfluoro-4-methyl-1,3-dioxole (2), together with a new synthetic route for the preparation of the precursor CF_3 -CH=CFCl are reported. Fluorinated 1,3-dioxoles monomers, are of remarkable interest for the preparation of a new class of high- T_g amorphous fluoroplastics.



	J. Fluorine Chem., 125 (2004) 79	
One step synthesis of 2-substituted 3-tri-(or di-)fluoromethyl-2-propenals in an ionic liquid		
Tomoya Kitazume, Hirokatsu Nagura, Shinichi Koguchi Graduate School of Bioscience and Biotechnology, Tokyo Institute of Technology, 4259 Nagatsuta, Midori-ku Yokohama 226-8501, Japan	Et)OH + RCH ₂ CHO $\xrightarrow{\text{DEATMS}}$ $R_F \xrightarrow{R}$ CHO R _F = CF ₃ , CHF ₂	







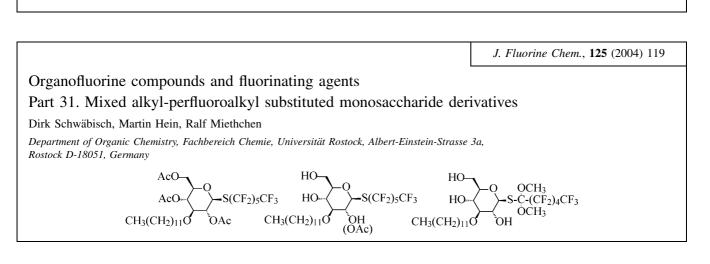
Graphical Abstracts

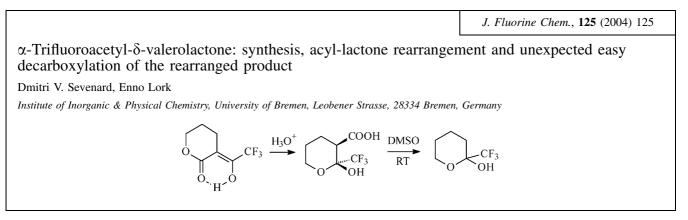
	J. Fluorine Chem., 125 (2004) 99		
New partially fluorinated epoxides by oxidation of olefins with sodium hypohalites under phase transfer catalysis Viacheslav A. Petrov ^a , Will J. Marshall ^a , Carl. G. Krespan ^a , CH ₂ =C	R _f NaOX/H ₂ O		
Victor F. Cherstkov ^b , Era A. Avetisian ^b	$R_{f}' (C_{4}H_{9})_{4}NHSO_{4} $		
^a DuPont Central Research and Develoment, Experimental Station, P.O. Box 80328 Wilmington, DE 10880 0228, USA	0		
Wilmington, DE 19880-0328, USA ^b INEOS RAN, ul. Vavilova 28, Moscow 117813, Russian Federation	24-86%		
Ŗ	$R_{f}, R_{f} = CF_{3}, C_{2}F_{5}, C(CF_{2}X)_{2}OH,$ $C(O)OC(CH_{3})_{3};$ X = Cl or Br		
	J. Fluorine Chem., 125 (2004) 107		
α -Fluoroacrylonitriles: Horner–Wittig synthesis and conversion into 2-fluoroallylamines and C-(1-fluorovinyl)nitrones			
Jan Hein van Steenis, Adrianus M.C.H. van den Nieuwendijk,	R^3 $R^1 \sim N$		

Arne van der Gen

Gorlaeus Laboratories, Leiden Institute of Chemistry, Leiden University,

P.O. Box 9502, NL-2300 RA Leiden, The Netherlands





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