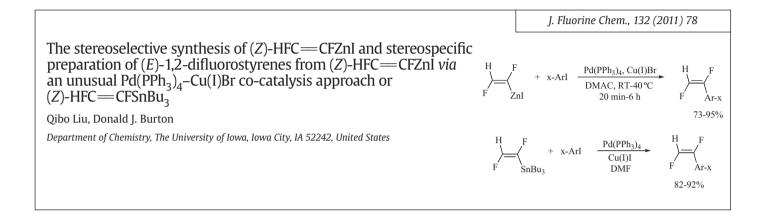
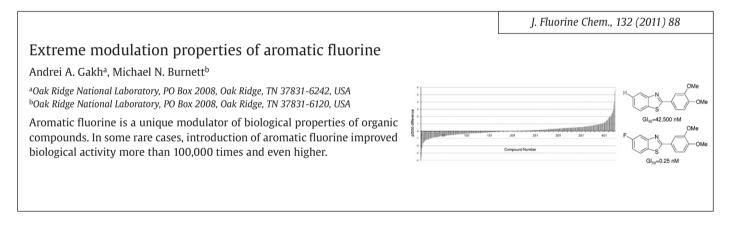
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Novel 2-(fluoroanilino)-1,4-naphthoquinones were prepared reacting the corresponding fluoroaniline and 1,4-naphthoquinone in the presence of a Lewis acid catalyst with strong oxidation properties such as $CeCl_3 \cdot 7H_2O$. This preparation was also investigated under microwave irradiation. All 1,4-naphthoquinone derivatives were characterized by UV–Vis, IR, ¹H and ¹⁹F NMR, MS and cyclic voltammetry.

I. Fluorine Chem., 132 (2011) 102

A facile synthesis of α -aminophosphonates catalyzed by ytterbium perfluorooctanoate under solvent-free conditions

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T.M. Rangarajan^a, S. Sathyamoorthi^a, D. Velayutham^a, M. Noel^a, R.P. Singh^b, Raju Brahma^b

The partially fluorinated HF soluble intermediates formed during the

electrochemical perfluorination of propionyl chloride (PC) and n-butyryl chloride

^aCSIR-Central ElectroChemical Research Institute, Karaikudi 630 006, India

^bCentre for Fire Explosives and Environmental Safety, DRDO, NewDelhi 54, India

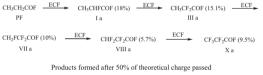
An efficient and one-pot protocol for the synthesis of α -aminophosphonates promoting by ytterbium perfluorooctanoate [Yb(PFO)₃] under solvent-free conditions is described.

Products formed at intermediate stages of electrochemical perfluorination of propionyl and n-butyryl chlorides. Further evidence in support of NiF₃ mediated free radical pathway

(n-BC) were analyzed after passing 0%, 25%, 50%, 75% and 100% of theoretical charge required for the fluorination of PC and n-BC. Free radical mechanism appears to be the major pathway as indicated by formation of large number of partially fluorinated compounds at every stage of electrochemical fluorination. For both PC and n-BC this mechanism also explains radical coupling, C-C bond cleavage and carbon chain isomerization.

	J. Fluorine Chem., 132 (2011) 114
The effect of column and eluent fluorination on the retention and separation of non-fluorinated amino acids and proteins by HPLC Katherine Joyner ^a , Weizhen Wang ^b , Yihua Bruce Yu ^{ac}	EtOH: ethanol ISP: isopropanol H-column H-column ISP E-column ISP E-column ISP E-column ISP E-column ISP H-column ISP H-column H-c
^a Department of Pharmaceutical Sciences, University of Maryland, Baltimore, MD 21201, United States ^b Department of Mathematics and Statistics, Wright State University, Dayton, OH 45435, United States ^c Fischell Department of Bioengineering, University of Maryland, College Park, MD 20742, United States	[H-eluent] [F-eluent] Logic flowchart for analyzing the effect of column and eluent fluorination
Fluorocarbon column and fluorocarbon eluents are compared side-by-side with their hydrocarbon counterparts to extract the effect of column and eluent fluorination on analyte retention and separation. Statistical analyses of retention time data revealed that optimal retention and separation is achieved when the fluorocarbon column is paired with ethanol.	
	J. Fluorine Chem., 132 (2011) 123
Synthesis of a novel functional polymer immobilized platinum complex and its application in the catalytic hydrosilylation of 3,3,3-trifluoropropene with triethoxysilane	CF_3 + (ElO) ₃ SiH $\xrightarrow{PS-PL}$ F_3C Si(OEI) ₃ + F_3C Si(OEI) ₃
Ying Bai, Jiajian Peng, Yingqian Hu, Jiayun Li, Guoqiao Lai	
Key Laboratory of Organosilicon Chemistry and Material Technology of Ministry of Education, Hangzho University, WenYi Road 222, Hangzhou 310012, China	PS=
The novel polymer synthesized immobilized platinum and applied in the hydrosilylation of 3,3,3-trifluoropropene with triethoxysilane. The catalysts show the activity and the birth calentivity of 0, adduct	

hydrosilylation of 3,3,3-trifluoropropene with triethoxysilane. The catalysts show the excellent activity and the high selectivity of β -adduct.



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 R^{1} H R^{2} -NH₂ + H-P-OEt p(OEt) neat / r.t. ÓFt ö

17 samples, up to 95% yield

