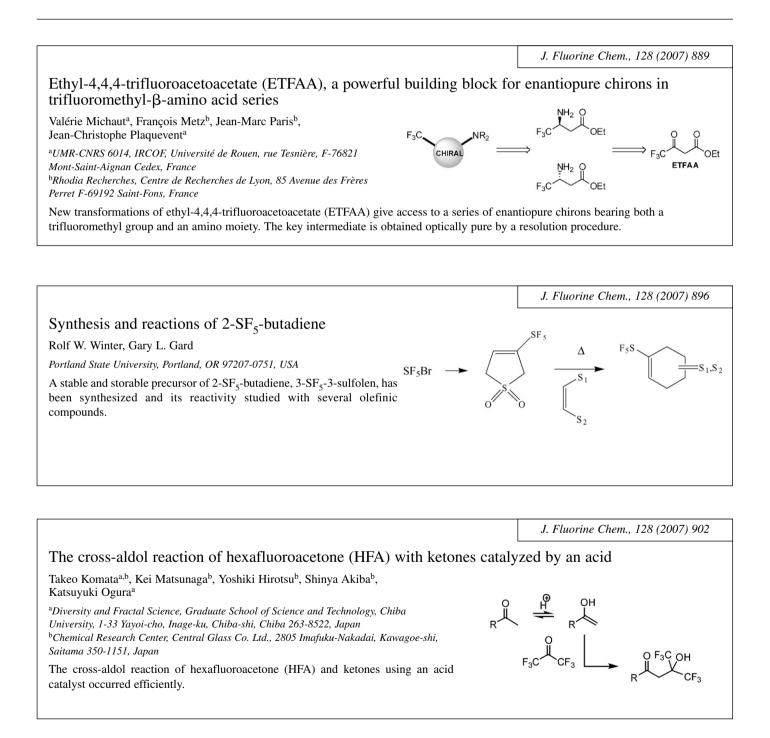


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Graphical Abstracts/J. Fluorine Chem. 128 (2007) 885-888



Graphical Abstracts

J. Fluorine Chem., 128 (2007) 910

Radical telomerization of 3,3,3-trifluoropropene with diethyl hydrogen phosphonate: Characterization of the first telomeric adducts and assessment of the transfer constants

George Kostov^a, Bruno Ameduri^a, Stephan M. Brandstadter^b

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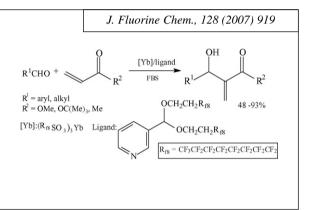
HP(O) $(OC_2H_5)_2 + nH_2C=CH (CF_3) \xrightarrow{DTBP}{140^{\circ}C} H[CH (CF_3)CH_2]_n P (O) (OC_2H_5)_2$ The transfer constant value, C_n^n , for HP(O)(OEt)_2 is 0.75 at 140 °C.

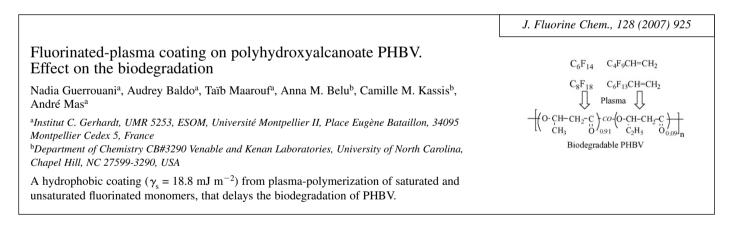
A novel ytterbium/perfluoroalkylated-pyridine catalyst for Baylis–Hillman reaction in a fluorous biphasic system

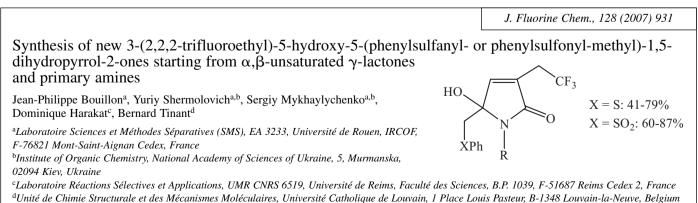
Wen-Bin Yi, Chun Cai, Xin Wang

Chemical Engineering College, Nanjing University of Science & Technology, Nanjing 210094, China

Ytterbium perfluorooctanesulfonate $[Yb(OPf)_3]$ catalyses the highly efficient Baylis–Hillman reaction in the presence of a catalytic amount of a novel perfluoroalkylated-pyridine as a ligand in a fluorous biphase system (FBS).







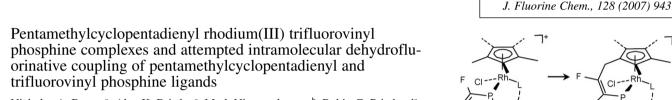
886

Graphical Abstracts

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+ other products

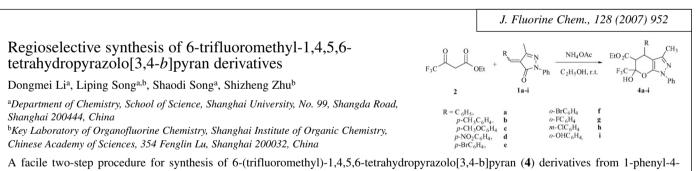
J. Fluorine Chem., 128 (2007) 938Platinum fluorides beyond PtF₆?Sebastian RiedelDepartment of Chemistry, University of Helsinki, A.I. Virtasen aukio 1, FIN-
00014 Helsinki, FinlandWhile the highest platinum fluoride characterized beyond doubt is PtF₆
we have investigated higher platinum fluorides by state-of-the-art
quantum-chemical calculations up to high oxidation state +VIII.



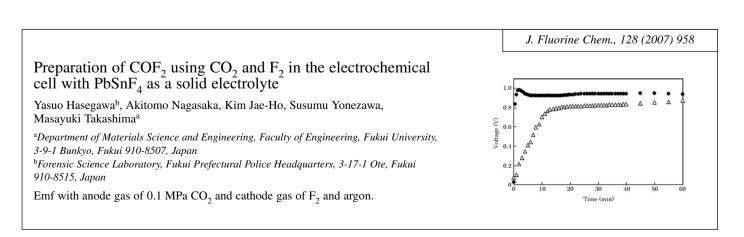
Nicholas A. Barnes^a, Alan K. Brisdon^a, Mark Nieuwenhuyzen^b, Robin G. Pritchard^a, Graham C. Saunders^b

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Treatment of cationic rhodium piano stool complexes with trifluorovinylphosphines with proton sponge yields complexes of tethered ligands.



A facile two-step procedure for synthesis of 6-(trifluoromethyl)-1,4,5,6-tetrahydropyrazolo[3,4-b]pyran (**4**) derivatives from 1-phenyl-4arylidene-5-pyrazolones(**1**) with ethyl trifluoroacetoacetate (**2**) is presented. To increase the efficiency of this reaction the one-pot process was also developed, with little lower yield. Treatment of **4** with P_2O_5 or conc. H_2SO_4 could not give the dehydrated products.



J. Fluorine Chem., 128 (2007) 965

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Synthesis and polymerization of novel fluorinated acrylates and methacrylates bearing alkoxyl groups derived from radical addition reaction of perfluoroisopropenyl ester

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Radical addition of 2-benzoxypentafluoropropene $[CF_2=C(CF_3)OCOC_6H_5]$ (BPFP) with alcohols such as ethanol and 2-propanol was investigated to afford fluorinated alcohols. Radical addition of BPFP with cyclic ethers such as tetrahydrofuran, 1,3-dioxolane and tetrahydropyran was also achieved to afford addition products followed by hydrolysis to yield fluorinated alcohols possessing cyclic structures. Novel fluoroalkyl acrylates and methacrylates were synthesized from the fluorinated alcohols with (meth)acryloyl chlorides. Radical polymerization of the fluoroalkyl (meth)acrylates yielded polymers of 1.2×10^5 as the highest molecular weight.