

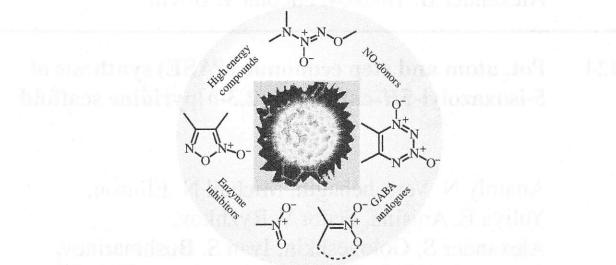
Mendeleev Communications

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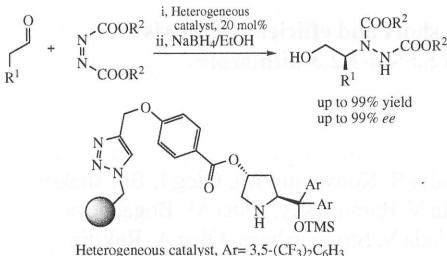
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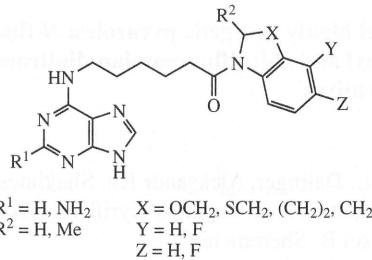
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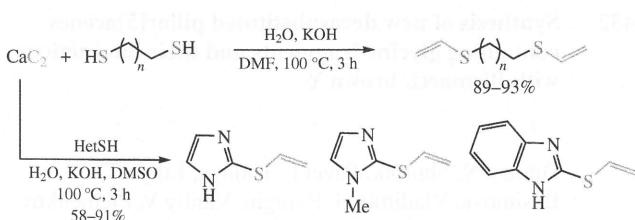
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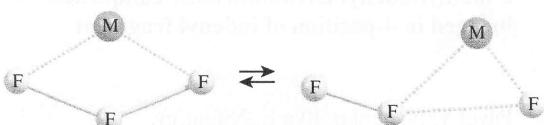
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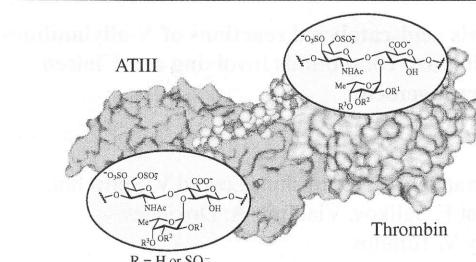
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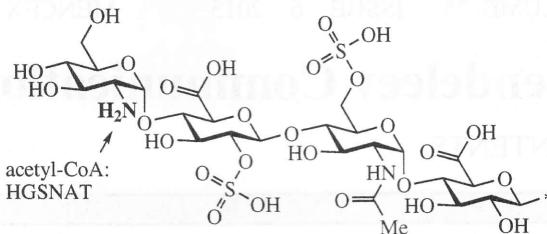


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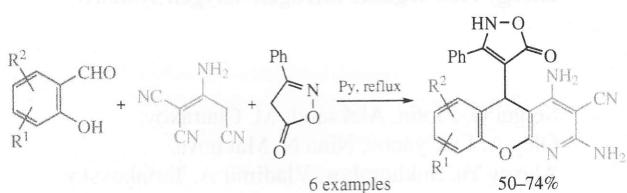
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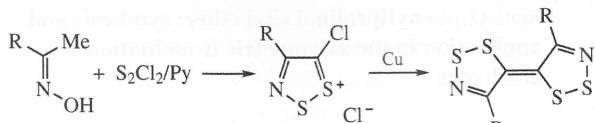
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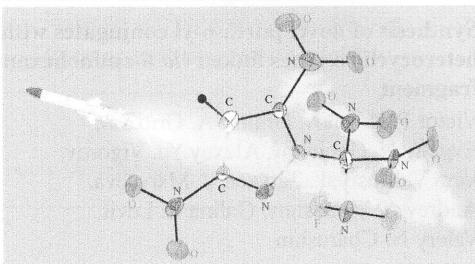
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R = Cl, Ph, 4-FC6H4, 4-MeOC6H4, 2-thienyl

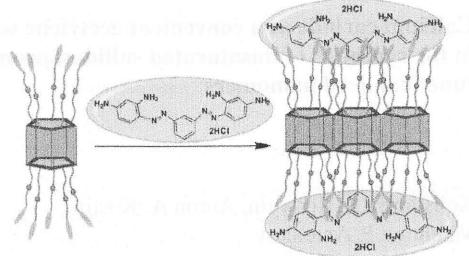
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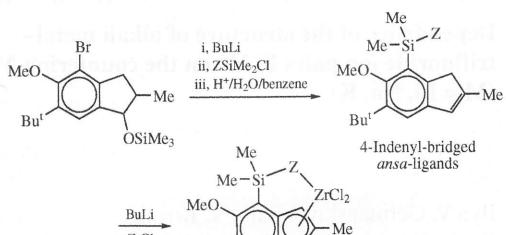
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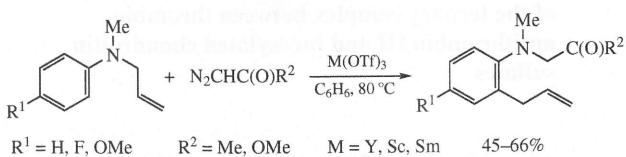
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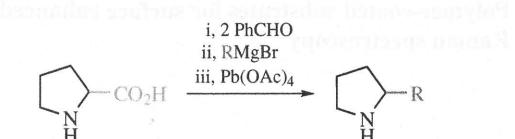
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Alexander G. Badamshin, Leonid V. Spirikhin,
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R¹ = H, F, OMe R² = Me, OMe M = Y, Sc, Sm 45-66%

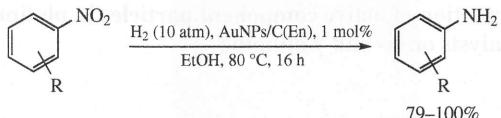
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5 examples, 36-42% yields,
highly scalable

Vladimir S. Moshkin, Vyacheslav Ya. Sosnovskikh

443 Activated carbon as an efficient support for gold nanoparticles that catalyze the hydrogenation of nitro compounds with molecular hydrogen



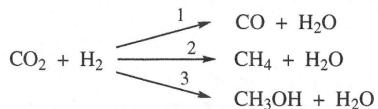
R = H, 4-Me, 4-Br, 3-Cl,
4-OH, 4-Ac, 3-NO₂,
4-(CH=CHCO₂H),
3-Br-5-NO₂

R = H (recyclization: 5 runs),
4-Me, 4-Br, 3-Cl, 4-OH, 4-Ac,
3-NH₂, 4-(CH=CHCO₂H),
3-Br-5-NH₂

Grigory N. Bondarenko, Irina P. Beletskaya

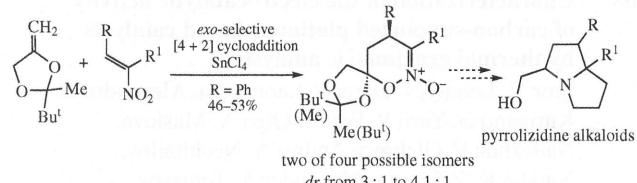
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CuO-ZnO-Al₂O₃, supercritical CO₂



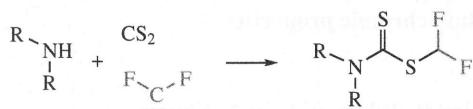
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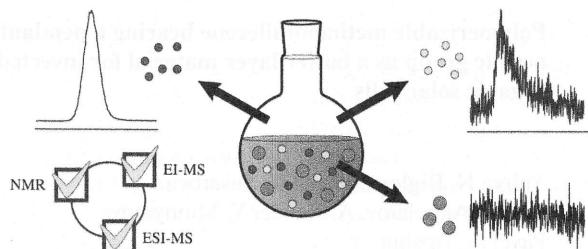
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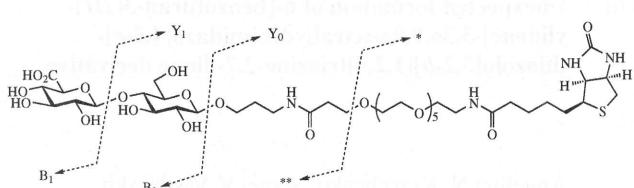
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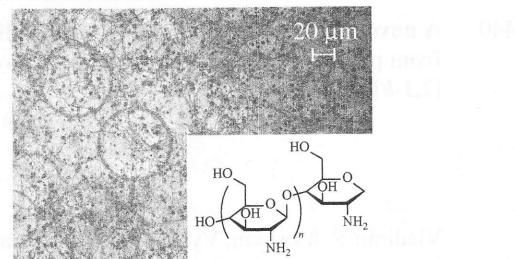
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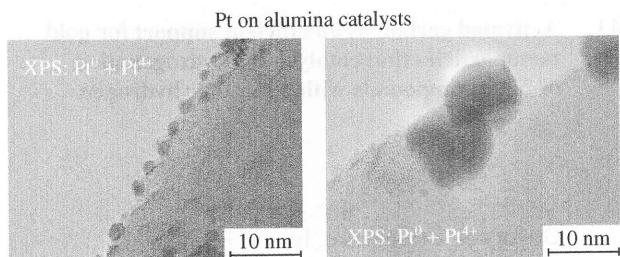
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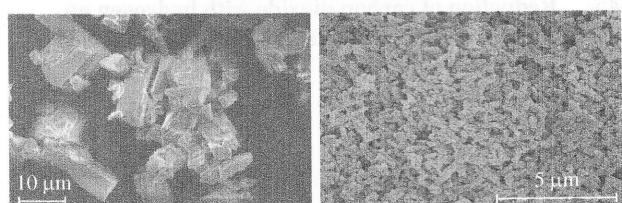
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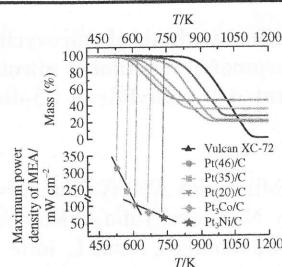
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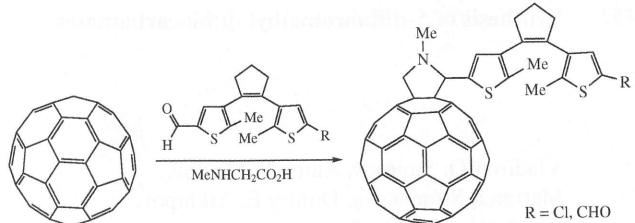
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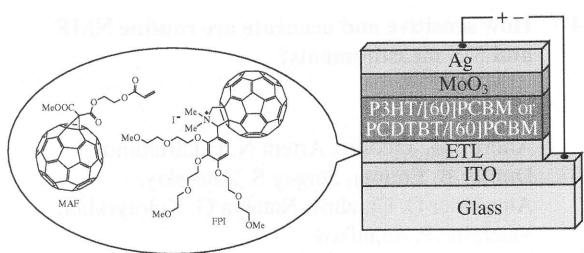
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Leonard M. Khalilov, Artur R. Tulyabaev,
Arslan R. Akhmetov, Usein M. Dzhemilev



R = Cl, CHO

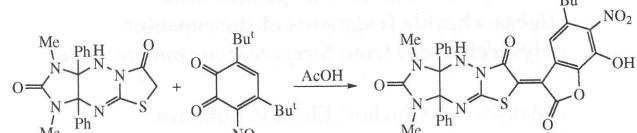
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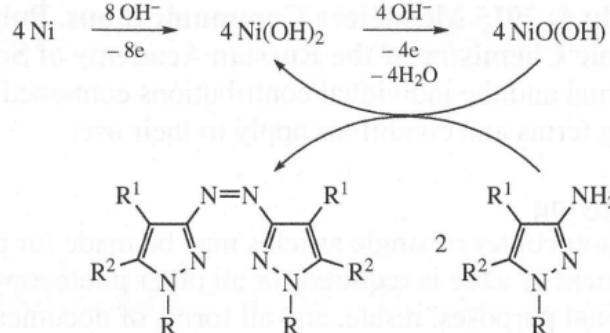
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Angelina N. Kravchenko, Sergei V. Vasilevskii,
Galina A. Gazieva, Yulia V. Nelyubina



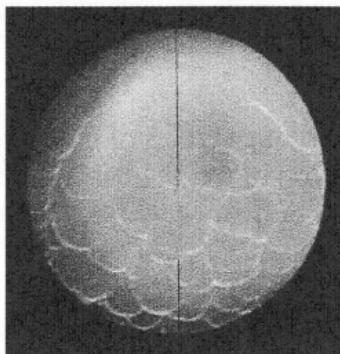
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