

Basic Science
Recent Windfuels-Related Papers and Pending Patents



1. FD Doty, DL McCree, GN Doty, LL Holte, JM Doty, and PD Ellis, "New paradigms for standard liquid fuels from CO₂, H₂O, CH₄, and off-peak energy", invited lecture at the 243rd ACS National Meeting & Exposition, paper #18193, Mar 25-29, San Diego, 2012. <http://www.dotyenergy.com/PDFs/Doty-CARMA-ACS-2012.pdf>
2. FD Doty, "From CryoMAS to Windfuels", (invited plenary), presented at the Rocky Mountain Conference on Analytical Chemistry, Snowmass, CO, Aug 2-5, 2010.
3. LL Holte, GN Doty, DL McCree, JM Doty, and FD Doty "Sustainable Transportation Fuels from Off-peak Wind Energy, CO₂, and Water", ASME Energy Sustainability Conference, paper ES2010-90366, Phoenix, 2010. <http://www.dotyenergy.com/PDFs/Doty-90366-TransportFuels-ASME-ES10.pdf>
4. FD Doty GN Doty, JP Staab, and LL Holte, "Toward Efficient Reduction of CO₂ to CO for Renewable Fuels," ASME Energy Sustainability Conference, paper ES2010-90362, Phoenix, 2010. <http://www.dotyenergy.com/PDFs/Doty-90362-RWGS-ASME-ES10.pdf>
5. DL McCree, GN Doty, and FD Doty, "Projections of Levelized Cost Benefit of Grid-scale Energy-Storage Options," ASME Energy Sustainability Conference, paper ES2010-90377, Phoenix, 2010. <http://www.dotyenergy.com/PDFs/ES09-Doty-1-windfuels-90182.pdf>
6. GN Doty, DL McCree, JM Doty, and FD Doty, "Deployment Prospects for Proposed Sustainable Energy Alternatives in 2020", Proc. Energy Sustainability 2010, Paper #90376, Phoenix, 2010. <http://www.dotyenergy.com/PDFs/Doty-90376-Deployment-ASME-ES10.pdf>
7. FD Doty, "Economically Producing Fuels and Chemicals from CO₂ and Off-peak Wind", (invited plenary), presented at Beijing Symposium on Sustainable Energy, Beijing, Feb 6, 2010.
8. FD Doty and S Shevgoor, "Compact, High-Effectiveness, Gas-to-gas Compound Recuperator with Liquid Intermediary (CRLI)", HT2009-88372, ASME Joint Conferences, San Francisco, 2009. <http://www.dotyenergy.com/PDFs/HT09-Doty-1-CRLI-88372.pdf>
9. FD Doty and S Shevgoor, "A Dual-source Organic Rankine Cycle (DORC) ..." ES2009-90220, ASME Joint Conferences, San Francisco, 2009. <http://www.dotyenergy.com/PDFs/ES09-Doty-1-DORC-90220.pdf>
10. FD Doty and S Shevgoor, "Securing our Transportation Future by Using Off-Peak Wind to Recycle CO₂ into Fuels", ES2009-90182, ASME Joint Conferences, San Francisco, 2009. <http://www.dotyenergy.com/PDFs/ES09-Doty-1-windfuels-90182.pdf>
11. GN Doty, FD Doty, LL Holte, D McCree and S Shevgoor, "Securing Our Energy Future by Efficiently Recycling CO₂ into Transportation Fuels...", Proc. WindPower 2009, #175, Chicago, 2009. <http://www.dotyenergy.com/PDFs/Doty-WindFuels-WP.pdf>
12. FD Doty, "Compact, High-Effectiveness, Gas-to-gas Compound Recuperator with Liquid Intermediary", PCT WO-09082504. <http://www.dotyenergy.com/PDFs/WO2009082504.pdf>
13. FD Doty, "High-Temperature Dual-source Organic Rankine Cycle with Gas Separations", filed 10/2007, PCT WO 2009/048479, 2009. <http://windfuels.com/PDFs/WO2009048479.pdf>
14. FD Doty, "Hydrocarbon and Alcohol Fuels from Variable, Renewable Energy...", PCT WO 2008/115933, <http://windfuels.com/PDFs/WO2008115933.pdf>.