

# Heather A Meylemans

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

1,516  
citations

394421

19  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1658  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | The role of butanol in the development of sustainable fuel technologies. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 2-9.  | 3.2  | 246       |
| 2  | Efficient conversion of pure and mixed terpene feedstocks to high density fuels. <i>Fuel</i> , 2012, 97, 560-568.  | 6.4  | 149       |
| 3  | Renewable thermosetting resins and thermoplastics from vanillin. <i>Green Chemistry</i> , 2015, 17, 1249-1258.   | 9.0  | 122       |
| 4  | Solvent-free Conversion of Linalool to Methylcyclopentadiene Dimers: A Route To Renewable High-Density Fuels. <i>ChemSusChem</i> , 2011, 4, 465-469.   | 6.8  | 110       |
| 5  | 1-Hexene: a renewable C6 platform for full-performance jet and diesel fuels. <i>Green Chemistry</i> , 2014, 16, 770-776.   | 9.0  | 96        |
| 6  | Canine malignant hemangiosarcoma as a model of primitive angiogenic endothelium. <i>Laboratory Investigation</i> , 2004, 84, 562-572.  | 3.7  | 95        |
| 7  | Effects of <i>o</i> -Methoxy Groups on the Properties and Thermal Stability of Renewable High-Temperature Cyanate Ester Resins. <i>Macromolecules</i> , 2015, 48, 3173-3179.   | 4.8  | 88        |
| 8  | Low-Temperature Properties of Renewable High-Density Fuel Blends. <i>Energy &amp; Fuels</i> , 2013, 27, 883-888.   | 5.1  | 85        |
| 9  | Synthesis, Characterization, and Cure Chemistry of Renewable Bis(cyanate) Esters Derived from 2-Methoxy-4-Methylphenol. <i>Biomacromolecules</i> , 2013, 14, 771-780.  | 5.4  | 84        |
| 10 | Synthesis of Renewable Bisphenols from Creosol. <i>ChemSusChem</i> , 2012, 5, 206-210.   | 6.8  | 80        |
| 11 | High Tg thermosetting resins from resveratrol. <i>Polymer Chemistry</i> , 2013, 4, 3859.   | 3.9  | 64        |
| 12 | Synthesis and characterization of a renewable cyanate ester/polycarbonate network derived from eugenol. <i>Polymer</i> , 2014, 55, 5073-5079.  | 3.8  | 53        |
| 13 | High-density biosynthetic fuels: the intersection of heterogeneous catalysis and metabolic engineering. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9448-9457.  | 2.8  | 51        |
| 14 | Ligand Structure, Conformational Dynamics, and Excited-State Electron Delocalization for Control of Photoinduced Electron Transfer Rates in Synthetic Donor-Bridge-Acceptor Systems. <i>Inorganic Chemistry</i> , 2008, 47, 4060-4076.                       | 4.0  | 39        |
| 15 | Controlling Electron Transfer through the Manipulation of Structure and Ligand-Based Torsional Motions: A Computational Exploration of Ruthenium Donor-Acceptor Systems using Density Functional Theory. <i>Inorganic Chemistry</i> , 2009, 48, 11161-11175. | 4.0  | 35        |
| 16 | Exploiting Conformational Dynamics To Facilitate Formation and Trapping of Electron-Transfer Photoproducts in Metal Complexes. <i>Journal of the American Chemical Society</i> , 2010, 132, 11464-11466.   | 13.7 | 32        |
| 17 | Nicotine Activates Nuclear Factor of Activated T Cells c2 (NFATc2) and Prevents Cell Cycle Entry in T Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 311, 758-769.  | 2.5  | 31        |
| 18 | Low-temperature, solvent-free dehydration of cineoles with heterogeneous acid catalysts for the production of high-density biofuels. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 957-962.  | 3.2  | 28        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Synthesis of renewable plasticizer alcohols by formal anti-Markovnikov hydration of terminal branched chain alkenes via a borane-free oxidation/reduction sequence. <i>Green Chemistry</i> , 2012, 14, 2450. | 9.0 | 20        |
| 20 | A Soluble, Halogen-Free Oxalate from Methyl Salicylate for Chemiluminescence Demonstrations. <i>Journal of Chemical Education</i> , 2013, 90, 1253-1254.   | 2.3 | 8         |