

Articles Accepted for Publication in Refereed Journals

1. V.V. Guliants and M.A. Carreon, **Invited Review**, “Vanadium-Phosphorus-Oxides: from Fundamentals of *n*-Butane Oxidation to Synthesis of New Phases”, *Catalysis*, vol. 18, 2004.
2. V.V. Guliants, R. Bhandari, J.N. Al-Saeedi, V.K. Vasudevan, R. Soman, “Bulk Mixed Mo-V-Te-O Catalysts for Propane Oxidation to Acrylic Acid”, *Applied Catalysis A*, 2004.
3. M.A. Carreon and V.V. Guliants, **Invited Review**, “Synthesis of Catalytic Materials on Multiple Length Scales: From Mesoporous to Macroporous Bulk Mixed Metal Oxides for Selective Oxidation of Hydrocarbons”, special issue of *Catalysis Today* in honor of 65th birthday of F. Trifiro.

Submitted Articles

1. M.A. Carreon and V.V. Guliants, “Ordered Mesostructured and Mesoporous Binary and Mixed Metal Oxides”, *Microporous and Mesoporous Materials*.
2. S. Kim, J. Ida, V.V. Guliants and Y.S. Lin, “Tailoring Surface Properties of MCM-48 Silica by Bonding 3-Aminopropyltriethoxysilane for Selective Adsorption of CO₂”, *Langmuir*.
3. P. Kumar, J. Ida, H. Alsyouri, S. Kim, V.V. Guliants, Y.S. Lin, “Synthesis of Defect-Free MCM-48 Silica Membranes: The Effects of Support and Template Removal Methods”, *Journal of Membrane Science*.
4. P. Kumar, J. Ida, H. Alsyouri, S. Kim, V.V. Guliants, Y.S. Lin, “Defect-Free MCM-48 Silica Membranes Fabricated on Asymmetric Alumina Supports”, *Journal of Membrane Science*.
5. S. Sarang, V.V. Guliants, H. Alkhatib, Y. S. Lin, “Alginate Barrier Coatings for Protection and Controlled Release of Food Additives”, *Journal of Food Engineering*.
6. J.N. Al-Saeedi, V.V. Guliants, **Invited Review**, “Fundamentals of Oxidative Functionalization of Propane Over Oxide-Based Catalysts”, *Catalysis Reviews. Science and Engineering*.
7. M.A. Carreon and V.V. Guliants, **Invited Review**, “Ordered Meso and Macroporous Binary and Mixed Metal Oxides”, *European Journal of Inorganic Chemistry*.
8. R. Bhandari, V.V. Guliants, R. Soman, A.M. Gaffney, S. Han, H.H. Brongersma, “Model Mo-V-Te-O Catalysts for Propane Oxidation to Acrylic Acid: New Fundamental Insights from Studies of Surface Active Sites”, *Journal of Catalysis*.