

CATHERINE SEPULVEDA MUÑOZ

DOCTOR EN CIENCIAS CON MENCIÓN EN QUÍMICA, UNIVERSIDAD DE CONCEPCIÓN,
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LÍNEA(S) DE INVESTIGACIÓN O ÁREAS DE TRABAJO

- ✓ CATALISIS HETEROGENEA, QUÍMICA AMBIENTAL

LISTADO DE PUBLICACIONES EN LOS ÚLTIMOS 10 AÑOS

C. Sepulveda, V. Bellière, D. Laurenti, N. Escalona, R. García, C. Geantet, M. Vrinat “Supported rhenium sulfide catalysts in thiophene and 4,6-dimethyldibenzothiophene hydrodesulfurization: Effect of acidity of the support over activities” **Appl. Catal** **393** (2011) **288-293**.

C. Sepúlveda, K. Leiva, R. García, L.R. Radovic, I. T. Ghampson, W. J. DeSisto, J. L. García Fierro, N. Escalona. “Hydrodeoxygenation of 2- methoxyphenol over Mo₂N catalysts supported on activated carbons”. **Catal Today**, **172** (2011) **232-239**.

C. Sepulveda, R. Garcia, N. Escalona, D. Laurenti, L. Massin, M. Vrinat “Unexpected support effect in hydrotreating: evidence of a metallic character for ReS₂/Al₂O₃ and ReS₂/SiO₂ catalysts”. **Catal. Letters**, **141** (2011) **987-995**.

C. Navarrete, R. Garcia, C. Sepulveda, F. J. Gil-Llambias, J. L. G. Fierro, N. Escalona “Deep Hydrodesulphurization via hydrogen Spillover”. **Catal Letters**, **141** (2011) **1796-1802**.

I.T. Ghampsona, Sepúlveda, R. Garcia, B.G. Frederick, M.C. Wheeler, N. Escalona, W.J. DeSisto. “Guaiacol transformation over unsupported molybdenum-based nitride catalysts”. **Appl. Catal.** **413** (2012) **78-84**.

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K. Leiva, C. Sepúlveda, R. García, J.L.G. Fierro, G. Aguila, P. Baeza, M. Villarroel, N. Escalona, “Effect of P content in the conversion of guaiacol over Mo/γ-Al₂O₃ catalysts” **Appl. Catal A:Gen**, **467** (2013) **568-574**.

K. Leiva, C. Sepulveda, R. García, J. L. G. Fierro, P. Reyes. N. Escalona, “Effect of Mo content in Mo(x)/γ-Al₂O₃ catalysts over the conversion of 2-methoxyphenol as lignin-derivates components”, **Journal of the Chilean Chemical Society**, **58** (2013) **1947-1951**.

LISTADO DE PROYECTOS DE INVESTIGACIÓN EN LOS ÚLTIMOS 10 AÑOS

Investigador principal FONDECYT INICIACIÓN N° 11130376 (en ejecución)

"Effect of the support, promoter and experimental conditions on activity of Cu/supports Catalysts in hydrogenolysis of glycerol to obtain value-added chemicals."

Co-investigador FONDECYT regular N° 1140528 (en ejecución)

"Upgrading by hydrotreating of lignin-derived compounds using Re-based catalysts: Effect of supports, promoter and reaction conditions"