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Área de desarrollo

Laboratorio de espectroscopia Mossbauer y Seguridad Radiológica.

Lic.: Ing. Químico Industrial; ESIQIE-IPN, generación 77-81

Tesis: Estudio de la inestabilidad de compuestos Na_xWO_3

Examen 19 octubre 1982

Publicaciones

1. Observación de inestabilidad de los compuestos Na_xWO_3 por técnicas de reflectancia.

Alberto Avilés, Rigoberto García, Dionisio Hernández, Carlos Romero, **Noel Nava**, Gerard Poillerat.

Carta Metrologica, No. 5, 1983, 21-22

2. Study of iron-zinc catalysts by Mossbauer spectroscopy.

S. Humberto Arriola, **E. Noel Nava**, G. Gabriel Aguilar, H. Armendariz.

J. of Radioanal and Nucl. Chem letters. 145 / 2 / 93-102 / 1990.

3. Oxidative dehydrogenation of n-butane on iron-zinc oxide catalysts.

H. Armendariz, G. Aguilar, P. Salas, M. A. Valenzuela, I. Schifter, H. Arriola, and **N. Nava**.

Applied catalysis A: 92 (1992) 29-38.

4. Study of Si-Fe compound by Mossbauer Spectroscopy.

Humberto Arriola S. **Noel Nava E**.

Revista Soc. Química de Méx., Vol 36 No. 5 (1992) 231- 234

5. Mossbauer effect of Fe-Zn-O catalysts

H. Arriola, **Noel Nava**, Gabriel Aguilar, Hector Armendariz.

Revista Soc. Química de Méx., Vol 37, No. 4 (1993) 149-151

6. Oxidative dehydrogenation of 1-butene to butadiene on $\alpha\text{-Fe}_2\text{O}_3$ / ZnAl_2O_4 and $\text{ZnFe}_x\text{Al}_2\text{O}_4$ catalysts

J .A. Toledo, M. A. Valenzuela, H. Armendariz, G. Aguilar, B. Zapata, A. Montoya, **N. Nava**, P. Salas, and I. Schifter.

Catalysis letters 30 (1995) 279-288

7. Espectroscopía Mossbauer en el estudio de catalizadores

N. Nava, y García A.

Revista del Instituto Mexicano del petróleo, Vol. XXVII No. 1, Enero-Junio, 1995, 17-21

8. Surface and bulk cation distribution study of the spinel system $Zn_xMg_{1-x}Fe_2O_4$

N. Nava, J. P Jacobs, A. García, J. J. Rosink, M. A. Valenzuela, L. J. Van Ijzendoorn and H. H. Brongersma.

J. Radioanal and Nucl. Chem letters; Vol 212, 6, 431-443 (1996)

9. Structural and magnetic properties of $\gamma-Fe_2O_3$ particles coated with TiO_2 .

Y. G. Borodko, Bokhimi, D. Acosta, L. M. Ioffe, T. Viveros, P. Bosch, **N. Nava**.

Mat. Res. Soc. Symp., Vol. 403, 725-730 (1996).

10. Structural textural and catalytic properties of Al-Ti and Al-Zr pillared clays.

C. E. Ramos-Galvan, J. M. Domínguez, G. Sandoval-Robles, A. Castillo-Mares, **N. Nava**.

Mat. Res. Soc. Symp., Vol. 431, 15-20 (1996).

11. Iron oxo hydroxide-polyacrylic acid magnetic composite materials

M. E. Mata Zamora, H. Arriola, **N. Nava**, J. M. Saniger

J. of Magnetism and magnetic materials, 161 (1996) 6-10

12. Oxidative dehydrogenation of 1-butene over Zn-Al ferrites

J. A. Toledo, P. Bosch, M. A. Valenzuela, A. Montoya, **N. Nava**

J. of Molecular catalysis A: Chemical, 125 (1997) 53-62

13. Properties of zeolitized fly-ash as a cracking catalyst

E. López-Salinas, M. Hernandez-Del Angel, Ma. L. Guzmán, **N. Nava**, J. A. Toledo, M. A. Cortes-Jacome, E. Múgica, and I. Schifter.

12th international Zeolite conference 1999, Material Research Society 1105-1112.

14. Structural studies of tin supported

N. Nava and T. Viveros.

Hyperfine Interactions, 122 (1999) 147-153

15. Physicochemical and catalytic properties of iron-promoted raney-nickel catalysts obtained by mechanical alloying

B. H. Zeifert, J. Salmones, J. A. Hernández, R. Reynoso, **N. Nava**, J. G. Cabañas-Moreno and G. Aguilar Rios.

Catalysis letters 63 (1999) 161-165

16. Effect of Al^{+3} introduction into hydrothermal prepared $ZnFe_2O_4$

J. A Toledo. M. A. Valenzuela, P. Bosch, H. Armendáriz, A. Montoya, **N. Nava**, A. Vázquez.

Applied Catalysis A. General 198 (2000) 235-245

17. Effect of the support on the structural characteristics of tin

N. Nava and T. Viveros.

J of Radioanalytical and Nuclear Chemistry, Vol. 243, No. 3 (2000) 689-696

18. Raney-iron catalysts obtained by mechanical alloying: characterization and hydrogenation activity.

J. Salmones, B. H. Zeifert, J. A. Hernández, R. Reynoso, **N. Nava**, J. G. Cabañas-Moreno and G. Aguilar Rios.

Studies in surface science and catalysts 130, (2000) 2255-2260

19. X-ray diffraction and Mössbauer characterization of Raney-nickel catalysts.

B. H. Zeifert, J. Salmones, J. A. Hernández, R. Reynoso, **N. Nava**, E. Reguera, J. G. Cabañas-Moreno and G. Aguilar Ríos.

J. of Radioanalytical and Nuclear Chemistry, 245 (3) (2000) 637-639

20. Structural study of Pt-Sn on MgO

N. Nava, M. A. Morales, W. Vanoni, J. A. Toledo, E. Baggio-Saitovitch, T. Viveros

Vol 134, No. 1 pag 81-92 (2001), Hyperfine interactions

21. Estudio metalogenético por espectroscopía Mössbauer.

Noel Nava Entzana, Rivas Sánchez, Ma de la Luz, Soberón Mobarak Jesús.

Boletín Técnico, COREM año VII, No 39, nov-dic 2000 pags 25-29 Secretaría de economía.

22. Characterization of a few Mexican clays, H Arriola, M. Salmón, M. Vargas, J.

Soberón, **N. Nava**, O. L. Ruiz, J of Radioanalytical and Nuclear Chemistry, Vol 250, No.1(2001) 165 168

23. Mössbauer study of the structure of Fe-Zircon system. E. Carreto, C. Piña, H. Arriola, C. Barahona, **N. Nava**, V. Castaño.

Journal of Radioanalytical and Nuclear Chemistry, Vol 250, No. 3, (2001) 453-458.

24.- Nanocrystallization process and ferromagnetic properties of amorphous (Fe_{0.99}Mo_{0.01})₇₈Si₉B₁₃ ribbons

Xiang-Cheng Sun J. Reyes-Gasca, **N Nava**, W.S Sun

Current Applied Physics 2 (2002) 187-191

25.- Mössbauer study of supported Pt-Sn

N Nava, J.A. Ascensión and T Viveros

Molecular physics, Vol 100, No 19, pag 3173-3175, 2002

26.- Correlation between the magnetism of non-stoichiometric zinc ferrites and their catalytic activity for oxidative dehydrogenation of 1-butene,"

J.A. Toledo-Antonio, **N. Nava**, M. Martínez, and X. Bokhimi

Applied Catalysis A. General 234 (2002) 137-144.

27.- Microstructure and magnetic properties of Fe⁰ and Fe(O) nanoparticles.

Xiang-Cheng Sun and **N Nava**

Nano Letters. Vol 2 No 7 (2002) 765-769

- 28.- Preparation of iron-nickel catalysts by mechanical alloying.
B.H. Zeifert, J. Samones, J. A Hernández, R Reynoso, **N Nava**, J.G.Cabañas, G. Aguilar-Rios
Materials Letters, 4 (2000) 244-248.
- 29.- Dimethyltin (IV) 2, 6-disubstituted pyridine complexes
Elizabeth Gómez, Rosario Flores, Gloria Huerta, Cecilio Alvarez-Toledano, Ruben A. Toscano, Víctor Santes, **Noel Nava**, Pankaj Sharma.
Journal of Organometallic Chemistry 672 (2003) 115-122
30. Mössbauer Study of Serpentine Minerals in the Ultramafic Body of Tehuitzingo, Southern Mexico
G. González-Mancera, F. Ortega-Gutiérrez, **N. E. Nava**, H. S. Arriola.
Hyperfine Interactions, 2003, Volume 148-149, Issue 1-4, Pags 61-71
31. Studies of Sol-Gel and Pt/TiO₂ catalysts for NO reduction by CO an the presence of excess oxygen
J A Wang, A Cuan, J Salmones, N Nava, S Castillo, M. Moran-Pineda and F Rojas.
Applied Surface Science 230 (2003) 94-105
- 32.- NMR and Mössbauer Study of Al₂O₃-Eu₂O₃**
N. Nava, P. Salas, M. E. Llanos, H. Pérez-Pastenes, T. Viveros.
Hyperfine interactions, Vol 161, Numbers 1-4, February 2005, pp. 11-19(9)
- 33.- Study of Malayaite and Malayaite Cobalt Pigment
C. PINA, H. ARRIOLA and N. NAVA
Hyperfine Interactions, Vol 161, Numbers 1-4, February 2005, pp. 93-97(5)
- 34.- Tin-Platinum catalysts interactions on titania and silica
N. Nava, P. Del Angel, J. Salmones, E. Baggio-Saitovitch, P. Santiago
Applied Surface Science 253 (2007) 9215–9220
- 35.- Structural and spectroscopic characterization of ZrO₂:Eu³⁺ nanoparticles
P. Salas, N. Nava, C. Ángeles-Chavez, De la Rosa-Cruz, L.A. Díaz-Torres
The Journal of Nanoscience and Nanotechnology (2007)