Recent Publications

1. Utilization of coal ash as the layer onto the steel tank protecting its walls and bottom - in the Zn coating process of steel bars in the tank. Nguyen, Viet Quang Hung; Nguyen, Viet Cuong; Nomura, Masakatsu, Proceedings - Annual International Pittsburgh Coal Conference (2012), 29th (Vol. 3), 2043-2056.

2. Deformation-deterioration phenomenon of marine concrete by chloride penetration and the effect of silica fume. Nguyen, Viet Quang Hung; Nguyen, Viet Cuong; Nomura, Masakatsu, Proceedings - Annual International Pittsburgh Coal Conference (2012), 29th (Vol. 2), 1810-1826.

3. The coal resources of Vietnam and its current coal utilization technologies. Nguyen, Viet Quang Hung; Nomura, Masakatsu, Proceedings - Annual International Pittsburgh Coal Conference (2011), 28th, a118/1-a118/11.

4. Devolatilization Characteristics of Coal Particles Heated with a CO2 Laser Controlled by Double Shutters: A Simulation Investigation. Gao, Hong; He, Jicheng; Nomura, Masakatsu, Energy & Fuels (2010), 24(1), 18-28.

5. An Improved Three-Dimensional Microscope Image Analysis Method for Studying Solvent Swelling of Single Coal Particles. Gao, Hong; He, Jicheng; Cai, Jiuju; Ishigaki, Masahiro; Nomura, Masakatsu, Energy & Fuels (2009), 23(1), 342-348.

6. A possibility of the production of carbon nanotubes from heavy hydrocarbons. Kidena, Koh; Kamiyama, Yuma; Nomura, Masakatsu, Fuel Processing Technology (2008), 89(4), 449-454.

7. Kinetic study on solvent swelling of coal particles, Murata, Satoru; Sako, Toshifumi; Yokoyama, Tomohiro; Gao, Hong; Kidena, Koh; Nomura, Masakatsu, Fuel Processing Technology (2008), 89(4), 434-439.

8. A newly proposed view on coal molecular structure integrating two concepts: Two phase and uniphase models, Kidena, Koh; Murata, Satoru; Nomura, Masakatsu, Fuel Processing Technology (2008), 89(4), 424-433.

9. Continuous hydrogen evolution from cyclohexanes over platinum catalysts supported on activated carbon fibers. Tien, Pham Dung; Satoh, Tetsuya; Miura, Masahiro; Nomura, Masakatsu, Fuel Processing Technology (2008), 89(4), 415-418.

10. Hydrous pyrolysis of two kinds of low-rank coal for relatively long duration. Kidena, Koh; Adachi, Ryoko; Murata, Satoru; Nomura, Masakatsu, Fuel (2008), 87(3), 388-394.

11. Improvement of lifetime of Ni/mordenite catalysts for CO2 reforming of methane by support modification with alumina and Co-K loading. Murata, Satoru; Hatanaka, Nobuyuki; Kidena, Koh; Nomura, Masakatsu, Journal of the Japan Petroleum Institute (2006), 49(5), 240-245.

12. Evaluation of blending effect based on the structural analysis of semicoke. Kidena, Koh; Matsumoto, Koji; Nomura, Masakatsu; Saito, Koji, Tetsu to Hagane (2006), 92(3), 127-131.

13. Efficient and Reusable Palladium Catalysts Supported on Activated Carbon Fibers for Dehydrogenation of Tetrahydronaphthalene. P. D. Tien, T. Satoh, M. Miura, M. Nomura, Energy Fuels, 19, 2110 (2005).

14. Consideration on coal plasticity by distribution of skeletal- and volatile fractions with their structural properties in both open- and closed systems. K. Kidena, M. Hiro, S. Murata, M. Nomura, Energy Fuels, 19, 224 (2005).

15. Palladium-Catalyzed Dehydroarylation of Triarylmethanols and Their Coupling with Unsaturated Compounds Accompanied by C-C Bond Cleavage. Y. Terao, M. Nomoto, T. Satoh, M. Miura, M. Nomura, J. Org. Chem., 69, 6942 (2004).

16. Synthesis of Highly Substituted 1,3-Butadienes by Palladium-Catalyzed Arylation of Internal Alkynes. T. Satoh, S. Ogino, M. Miura, M. Nomura, Angew. Chem. Int. Ed., 43, 5063 (2004).

17. Synthesis of 5,5'-diarylated 2,2'-bithiophenes via palladium-catalyzed arylation reactions. A. Yokooji, T. Satoh, M. Miura, M. Nomura, Tetrahedron, 60, 6757 (2004).

18. Catalytic hydrocracking of petroleum-derived asphaltenes by transition metal-loaded zeolite catalysts. K. Usui, K. Kidena, S. Murata, M. Nomura, W. Trisunaryanti, Fuel, 83, 1899 (2004).

19. Development of aromatic ring size in bituminous coals during heat treatment in the plastic temperature range. K. Kidena, K. Matsumoto, M. Katsuyama, S. Murata, M. Nomura, Fuel Process. Technol., 85. 827 (2004).

20. Quantitative elucidation of bridge bonds and side chains in brown coals. K. Kidena, Y. Tani, S. Murata, M. Nomura, Fuel, 83, 1697 (2004).

21. Palladium-Catalyzed Reaction of 2-Hydroxy-2-methylpropiophenone with Aryl Bromides: A Unique Multiple Arylation via Successive C-C and C-H Bond Cleavages. H. Wakui, S. Kawasaki, T. Satoh, M. Miura, M. Nomura, J. Am. Chem. Soc., 126, 8658 (2004).