

## Publications:

- [1] S.M. Avramescu, I. Fierascu, R. C. Fierascu, R. I. Brazdis, A.V. Nica, C. Butean, E.A. Olaru, S. Ulinici, **M.N. Verziu**, A. Dumitru, *Removal of Paracetamol from Aqueous Solutions by Photocatalytic Ozonation over TiO<sub>2</sub>-MexO<sub>y</sub> Thin Films*, *Nanomaterials* 2022, 12(4), 613 (IF 5.07)
- [2] S. Avramescu, C.D. Ene, M. Ciobanu, J. Schnee, F. Devred, C. Bucur, E. Vasile, L. Colaciello, R. Richards, E.M. Gaigneaux, **M.N. Verziu**, *Nanocrystalline rhenium-doped TiO<sub>2</sub>: an efficient catalyst in the one-pot conversion of carbohydrates into levulinic acid. The synergistic effect between Brønsted and Lewis acid sites*, *Catalysis Science & Technology*, 12(2022) 167; (IF 6.1)
- [3] N. Candu, M.E. Fergani, **M. Verziu**, B. Cojocaru, B. Jurca, N. Apostol, C. Teodorescu, V.I. Parvulescu, S.M. Coman, *Efficient glucose dehydration to HMF onto Nb-BEA catalysts*, *Catalysis Today* 325 (2019) 109; (IF: 4.88)
- [4] **M. Verziu**, A. Tirsoaga, B. Cojocaru, C. Bucur, B. Tudora, A. Richelf, M. Aguedo, A. Samikannug, J.P. Mikkola, *Hydrogenolysis of lignin over Ru-based catalysts: The role of the ruthenium in a lignin fragmentation process*, *Molecular Catalysis*, 450 (2018) 65; (IF: 2.93)
- [5] **M. Verziu**, M. Serano, B. Jurca, V.I. Parvulescu, S.M. Coman, G. Scholz, E. Kemnitz, *Catalytic features of Nb-based nanoscopic inorganic fluorides for an efficient one-pot conversion of cellulose to lactic acid*, *Catalysis Today* 306 (2018) 102; (IF: 4.88)
- [6] S.M. Coman, **M. Verziu**, A. Tirsoaga, B. Jurca, C. Teodorescu, V. Kuncser, V.I. Parvulescu, G. Scholz, E. Kemnitz, *NbF<sub>5</sub>-AlF<sub>3</sub> Catalysts: Design, Synthesis, and Application in Lactic Acid Synthesis from Cellulose*, *ACS Catalysis* 5 (2015) 3013; (IF: 12.22)
- [7] K.B.H. Finch, R.M. Richards, A. Richel, A.V. Medvedovici, N.G. Gheorghe, **M. Verziu**, S.M. Coman, V.I. Parvulescu, *Catalytic hydroprocessing of lignin under thermal and ultrasound conditions*, *Catalysis Today* 196 (2012) 3; (IF: 4.88)
- [8] **M. Verziu**, S.M. Coman, R. Richards, V.I. Parvulescu, *Transesterification of vegetable oils over CaO catalysts*, *Catalysis Today* 167 (2011) 64; (IF: 4.88)
- [9] **M. Verziu**, J. El Haskouri, D. Beltran, P. Amoros, D. Macovei, N.G. Gheorghe, C.M. Teodorescu, S.M. Coman, V. I. Parvulescu, *Mesoporous Tin-Triflate Based Catalysts for Transesterification of Sunflower Oil*, *Topics in Catalysis*, 53 (2010) 763; (IF: 2.22)
- [10] **M. Verziu**, M. Florea, S. Simon, V. Simon, P. Filip, V.I. Parvulescu, C. Hardacre, *Transesterification of vegetable oils on basic large mesoporous alumina supported alkaline fluorides—Evidences of the nature of the active site and catalytic performances*, *Journal of Catalysis* 263 (2009) 56; (IF: 7.72)
- [11] **M. Verziu**, B. Cojocaru, J. Hu, R. Richards, C. Ciuculescu, P. Filip, V.I. Parvulescu, *Sunflower and rapeseed oil transesterification to biodiesel over different nanocrystalline MgO catalysts*, *Green Chemistry* 10 (2008) 373. (IF: 9.4)