



Acad. Maria ZAHARESCU



LIST OF PUBLICATIONS

(most recent – first)

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1. C. Anastasescu, S. Mihaiu, S. Preda, **M. Zaharescu**,
1D Oxide Nanostructures Obtained by Sol-Gel and Hydrothermal Methods,
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2. P. Budrugaec, O. Carp, D. Oancea, O. Mocioiu, **M. Zaharescu**,
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CHAPTERS IN BOOKS

1. **M. Zaharescu**, L. Predoana, J. Pandelescu
Thermal Analysis on Gels, Glasses and Powders
in **Handbook of Sol-Gel Science and Technology**, Processing, Characterization and Applications, Edited
by Klein LC, Aparicio M, Jitianu A, 2nd edition, Springer, **2018**,
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2. **M. Zaharescu**, L. Predoana
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In **The Sol-Gel Handbook**, Synthesis, Characterization and Applications, Edited by Levy D, Zayat M,
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3. **M. Zaharescu**
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chapter 8, pp. 17-41, **2015**
4. **M. Zaharescu**, O.C. Mocioiu
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7. A. Jitianu, M. Crişan, A. Meghea, I. Rău, **M. Zaharescu**,

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2. F. Craciun, F. Cordero, B.V. Vasile, V. Fruth, **M. Zaharescu**, I. Atkinson, R. Trusca, L. Diamandescu, L.C. Tanase, p. Galizia, M. Cernea, C. Galassi, *Combined use of Mössbauer spectroscopy, XPS, HRTEM, dielectric and anelastic spectroscopy for estimating incipient phase separation in lead titanate-based multiferroics*, **Phys Chem Chem Phys.**, 10.1039/C8CP01456F (May, 2018)
3. E. Crăciun, L. Predoană, I. Atkinson, I. Jitaru, E.M. Anghel, V. Brătan, C. Gifu, C. Anastasescu, A. Rusu, V. Rădiţoiu, E. Vasile, M. Anastasescu, I. Balint, **M. Zaharescu**, *Fe^{3+} -doped TiO_2 nanopowders for photocatalytic mineralization of oxalic acid under solar light irradiation*, **J. Photoch. Photobio. A.**, 356, 18-28 (2018)
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3. L. Stanciu, L. Predoană, S. Preda, J.M. Calderon-Moreno, M. Stoica, M. Anastasescu, M. Gartner, **M. Zaharescu**. *Synthesis method and substrate influence on TiO₂ films doped with low vanadium content*, **Mat. Sci. Semicon. Proc.**, 68, 118-127 (2017)
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3. M. Covei, L. Predoană, P. Osiceanu, J.M. Calderon-Moreno, M. Anastasescu, S. Preda, M. Nicolescu, M. Gartner, **M. Zaharescu**, *Niobium/Vanadium Doped TiO₂ Multilayered sol-gel Films: Structure, Surface Chemistry and Optical Properties*, **Ceram. Int.** 42, 13805-13811 (2016)
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7. S. Mihaiu, I.M. Szilagyı, I. Atkinson, O.C. Mocioiu, D. Hunyadi, J. Pandele-Cuşu, A. Toader, C. Munteanu, S. Boyadjiev, J. Madarász, G. Pokol, **M. Zaharescu**, *Thermal study on the synthesis of the doped ZnO to be used in TCO films*, **J. Therm. Anal. Calorim.**, 124, 71-80 (2016)

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