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List of publications

- 1) "Intercalation of *N*-methylformamide in kaolinite: In situ monitoring by near-infrared spectroscopy and X-ray diffraction", F. T. Andreou, B. Barylska, Z. Ciesielska, M. Szczerba, A. Derkowski, V. Gionis, E. Siranidi, G.D. Chryssikos, Applied Clay Science **212**, 106209 (2021). DOI [10.1016/j.clay.2021.106209](https://doi.org/10.1016/j.clay.2021.106209)
- 2) "Pressure induced lattice effects in pure and near optimally doped $La_{2-x}Sr_xCuO_4$ ", M. Calamiotou, P. Parisiades, E. Siranidi, D. Lampakis, K. Conder, E. Liarokapis, Physica C **15**, 1353516 (2019). DOI [10.1016/j.physc.2019.1353516](https://doi.org/10.1016/j.physc.2019.1353516)
- 3) "Embedding of hybrid MWCNT-Al₂O₃ particles in Ni matrix, Structural, tribological and corrosion studies", N. Chronopoulou, E. Siranidi, A.-M. Routsis, H. Zhao, J. Bai, A. Karantonis, E. A. Pavlatou, Surface & Coatings Technology **350**, 672 (2018). DOI [10.1016/j.surfcoat.2018.07.034](https://doi.org/10.1016/j.surfcoat.2018.07.034)
- 4) "Copper nanowire coated carbon fibers as efficient substrates for detecting designer drugs using SERS", Halouzka V., Halouzlkova, B., Jirovsky D., Hemzal D., Ondra P., Siranidi E., Kontos AG., Falaras P., Hrbac J, Talanta **165** (2017) 384–390. DOI [10.1016/j.talanta.2016.12.084](https://doi.org/10.1016/j.talanta.2016.12.084)
- 5) "Structural stability, vibrational properties and photoluminescence in CsSnI₃ perovskite upon addition of SnF₂", A. Kontos, A. Kaltzoglou, E. Siranidi, D. Palles, G. Angeli, M. Arfanis, V. Psycharis, Y. S. Raptis, E. I. Kamitsos, P. Trikalitis, C. Stoumpos, M. G. Kanatzidis, and P. Falaras, Inorg. Chem. **56** (1), pp 84–91 (2017). DOI [10.1021/acs.inorgchem.6b02318](https://doi.org/10.1021/acs.inorgchem.6b02318)
- 6) "Optical-Vibrational Properties of the Cs₂SnX₆ (X = Cl, Br, I) Defect Perovskites and Hole-Transport Efficiency in Dye-Sensitized Solar Cells", A. Kaltzoglou, M. Antoniadou, A. G. Kontos, C. C. Stoumpos, D. Perganti, E. Siranidi, V. Raptis, K. Trohidou, V. Psycharis, M. G. Kanatzidis, P. Falaras, J. Phys. Chem. C **120** (22), pp 11777–11785 (2016). DOI [10.1021/acs.jpcc.6b02175](https://doi.org/10.1021/acs.jpcc.6b02175)
- 7) "Novel Inverse Supported Ionic Liquid Absorbents for Acidic Gas Removal from Flue Gas", D. S. Karousos, E. Kouvelos, A. Sapalidis, K. Pohako-Esko, M. Bahlmann, P. S. Schultz, P. Wasserscheid, E. Siranidi, O. Vangeli, P. Falaras, N. Kanellopoulos, G. Em. Romanos, Ind. Eng. Chem. Res. **55** (19), pp 5748–5762 (2016). DOI [10.1021/acs.iecr.6b00664](https://doi.org/10.1021/acs.iecr.6b00664)
- 8) "Efficient CO oxidation in an ionic liquid-modified, Au nanoparticle-loaded membrane contactor", A.V. Perdikaki, A.I. Labropoulos, E. Siranidi, I. Karatasios, N. Kanellopoulos, N. Boukos, P. Falaras, G. N. Karanikolos, G. E. Romanos, Chemical Engineering Journal **305**, 79-91 (2016). DOI [10.1016/j.cej.2015.11.111](https://doi.org/10.1016/j.cej.2015.11.111)
- 9) "Mixed-halide Cs₂SnI₃Br₃ perovskite as low resistance hole-transporting material in dye-sensitized solar cells", A. Kaltzoglou, M. Antoniadou, D. Perganti, E. Siranidi, V. Raptis, K. Trohidou, V. Psycharis, A. G. Kontos, P. Falaras, Electrochimica Acta **184**, 466-474, (2015). DOI [10.1016/j.electacta.2015.10.030](https://doi.org/10.1016/j.electacta.2015.10.030)
- 10) "A facile approach for the development of fine-tuned self-standing graphene oxide membranes and their gas and vapor separation performance", G. Romanos, L. M.

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- 11) "*Microscopic study of the corrosion behaviour of mild steel in ionic liquids for CO₂ capture applications*", I. S. Molchan, G. E. Thompson, P. Skeldon, R. Lindsay, J. Walton, E. Kouvelos, G. Em. Romanos, P. Falaras, A. G. Kontos, M. Arfanis, E. Siranidi, L. F. Zubeir, M. C. Kroon, J. Klockner, B. Iliev, and T. J. S. Schubert, *RSC Adv.* **5**, 35181 (2015). DOI [10.1039/C5RA01097G](https://doi.org/10.1039/C5RA01097G)
 - 12) "*Pressure induced lattice anomalies in pnictides*", E. Liarokapis, M. Calamiotou, E. Siranidi, N. D. Zhigadlo, S. Katrych, and J. Karpinski, *Journals of Physics and Chemistry of Solids* **84**, 28-33 (2015). DOI [10.1016/j.jpics.2014.07.012](https://doi.org/10.1016/j.jpics.2014.07.012)
 - 13) "*Photovoltaic Performance and Stability of CH₃NH₃Pb_{3-x}Cl_x Perovskites*", M. Antoniadou, E. Siranidi, N. Vaenas, A.G. Kontos, E. Stathatos, and P. Falaras *Journal of Surfaces and Interfaces of Materials* **2**, 323 (2014). DOI [10.1166/jsim.2014.1060](https://doi.org/10.1166/jsim.2014.1060)
 - 14) "*Pressure and doping dependent anisotropic compressibility of the SmFeAsO_{1-x}F_x (x = 0.0–0.17) system*", M. Calamiotou, D. Lampakis, E. Siranidi, J. Karpinski, N. D. Zhigadlo, and E. Liarokapis, *Physica C* **483**, 136 (2012). DOI [10.1016/j.physc.2012.09.003](https://doi.org/10.1016/j.physc.2012.09.003)
 - 15) "*Lattice anomalies in the oxygen deficient NdFeAsO superconductor*", M. Calamiotou, I. Margiolaki, Z. A. Ren, Z. X. Zhao, E. Siranidi, and E. Liarokapis, *J. Super. N. Magn.* **24** (3), 1181 (2011). DOI [10.1007/s10948-010-1105-1](https://doi.org/10.1007/s10948-010-1105-1)
 - 16) "*Lattice anomalies in the FeAs₄ tetrahedra of NdFeAsO_{0.85} superconductor that disappear at T_c*", M. Calamiotou, I. Margiolaki, A. Gantis, E. Siranidi, Z. A. Ren, Z. X. Zhao, E. Liarokapis, *EPL* **91**, 57005 (2010). DOI [10.1209/0295-5075/91/57005](https://doi.org/10.1209/0295-5075/91/57005)
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 - 18) "*Pressure-induced lattice instabilities and superconductivity in YBa₂Cu₄O₈ and optimally doped YBa₂Cu₃O_{7-δ}*", M. Calamiotou, A. Gantis, E. Siranidi, D. Lampakis, J. Karpinski, E. Liarokapis, *Phys. Rev. B* **80**, 214517 (2009). DOI [10.1103/PhysRevB.80.214517](https://doi.org/10.1103/PhysRevB.80.214517)
 - 19) "*Micro-Raman and infrared study of NdFeAsO_{0.85}*", E. Siranidi, D. Lampakis, E. Liarokapis, Z. Dohcevic-Mitrovic, N. Paunovic, Z. V. Popovic, Z.X. Zhao, *Journal of Alloys and Compounds* **487** (1-2), 430 (2009). DOI [10.1016/j.jallcom.2009.07.157](https://doi.org/10.1016/j.jallcom.2009.07.157)
 - 20) "*Doping and temperature dependence of inversion symmetry breaking in La_{2-x}Sr_xCuO₄*", E. Siranidi, D. Lampakis, E. Liarokapis, C. Panagopoulos, K. Conder, *Physica C* **469**, 760 (2009). DOI [10.1016/j.physc.2009.04.007](https://doi.org/10.1016/j.physc.2009.04.007)
 - 21) "*Micro-Raman study of the spin and orbital ordering in SmVO₃*", E. Siranidi, D. Lampakis, D. Palles, E. Liarokapis, C. Colin, T. T. M. Palstra, *Journal of Physics: Conference Series* **150**, 042184 (2009). DOI [10.1088/1742-6596/150/4/042184](https://doi.org/10.1088/1742-6596/150/4/042184)
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 - 23) "*Raman studies of vanadates at low temperatures and high pressures*", E. Siranidi, D. Lampakis, D. Palles, E. Liarokapis, C. Colin, T. T. M. Palstra, *J Supercond Nov Magn* **22**, 185–188 (2009). DOI [10.1007/s10948-008-0401-5](https://doi.org/10.1007/s10948-008-0401-5)
 - 24) "*Lattice effects in the La_{2-x}Sr_xCuO₄ compounds*", E. Liarokapis, E. Siranidi, D. Lampakis, K. Conder, *J. Phys.: Condens. Matter* **20**, 434233 (2008). DOI [10.1088/0953-8984/20/43/434233](https://doi.org/10.1088/0953-8984/20/43/434233)

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- 29) "Texture, strains and superconductivity in $Y_{1-x}Pr_xBa_2Cu_3O_{7-\delta}$ ", D. Palles, D. Lampakis, E. Siranidi, E. Liarokapis, A. Gantis, M. Calamiotou, Physica C **460-462**, p. 922-924 (2007). DOI [10.1016/j.physc.2007.03.307](https://doi.org/10.1016/j.physc.2007.03.307)