LIST OF PUBLICATIONS

Papers published in International Journals:

1. Growth of Li$_2$CO$_3$ single crystals by Zone Melting Technique
   M. Palaniswamy, F.D. Gnanam, P. Ramasamy and G.S. Laddha.
   Crystal Research and Technology (Germany) 17(5), 911 (1982).

2. The role of impurities on chemical etch pits in potassium doped Li$_2$CO$_3$ single crystals
   M. Palaniswamy, P. Ramasamy, G.S. Laddha and K.S. Raju.

3. Evidence of screw dislocations on (002) cleavages of lithium carbonate single crystals
   K.S. Raju, M. Palaniswamy, P. Ramasamy and G.S. Laddha.

4. Sub-boundaries on (002) cleavages of Li$_2$CO$_3$ single crystals
   K.S. Raju, M. Palaniswamy, P. Ramasamy and G.S. Laddha.
   Crystal Research and Technology (Germany) 19(7), 939 (1984).

5. On the geometry of dislocations in Li$_2$CO$_3$ single crystals
   M. Palaniswamy, K.S. Raju, P. Ramasamy and G.S. Laddha.
   Communicated.

6. Dielectric properties of Li$_2$CO$_3$ single crystals
   M. Palaniswamy, P. Ramasamy and G.S. Laddha.
   Communicated.
7. Electrical conductivity of pure and potassium doped Li$_2$CO$_3$ single crystals

M. Palaniswamy, P. Ramasamy and G.S. Laddha.
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8. Microhardness studies of Li$_2$CO$_3$ single crystals

M. Palaniswamy, P. Ramasamy and G.S. Laddha.
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9. The role of quenching in microhardness of undoped and potassium doped Li$_2$CO$_3$ single crystals

M. Palaniswamy, P. Ramasamy and G.S. Laddha.
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10. Growth of Li$_2$CO$_3$ crystals in silica gel media

M. Palaniswamy, P. Ramasamy and G.S. Laddha.
Under communication.

Papers presented in the National/International Conferences:

11. Growth of Li$_2$CO$_3$ single crystals from melt.

M. Palaniswamy, F.D. Gnanam and P. Ramasamy.

12. Etching studies on lithium carbonate single crystals

M. Palaniswamy, K.S. Raju and P. Ramasamy.
13. Growth and perfection of pure and doped Li$_2$CO$_3$ single crystals

M. Palaniswamy and P. Ramasamy.
One day Symposium on Crystal Growth, Anna University, Madras-25, 24 December, 1983.

14. Dislocation trajectories in Li$_2$CO$_3$ single crystals

M. Palaniswamy, K.S. Raju and P. Ramasamy.

15. Dislocation walls on (002) cleavages of Li$_2$CO$_3$ single crystals

K.S. Raju, M. Palaniswamy and P. Ramasamy.

16. On the growth of large single crystals of Li$_2$CO$_3$ by floating zone Technique and its microhardness studies

M. Palaniswamy and P. Ramasamy.

17. Dielectric properties of Li$_2$CO$_3$ single crystals

M. Palaniswamy and P. Ramasamy.
18. D.C. Conductivity studies on pure and doped lithium carbonate single crystals

M. Palaniswamy, M. Shanmugham and P. Ramasamy.
XVI National Seminar on Crystallography, University of Delhi, Delhi, 2-4 January, 1985.

19. Impurity concentration in potassium doped lithium carbonate single crystals

M. Palaniswamy, K.S. Raju and P. Ramasamy.
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20. Travelling solvent zone apparatus for crystal growth: some salient features.

M. Palaniswamy and P. Ramasamy.
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21. Growth and defects studies of lithium carbonate single crystals

M. Palaniswamy, R. Gobinathan and P. Ramasamy.
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22. Vickers microhardness studies of pure and potassium doped Li₂CO₃ single crystals

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23. Growth of different habits of Li$_2$CO$_3$ crystals in silica gel media

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Jamshedpur, 6-8 November, 1985.