- 1. Effects of die profile on grain refinement in Al–Mg alloy processed by repetitive corrugation and straightening, N Thanga pandian, SB Prabu, KA PadmanabhanMaterials Science and Engineering: A 649, 229-238
- 2. Metal forming at very low strain rates, KA Padmanabhan, SB Prabu, Elsevier
- 3. Effect of temperature and velocity of pressing on grain refinement in AA5083 aluminum alloy during repetitive corrugation and straightening process, N Thangapandian, SB Prabu, KA Padmanabhan, Metallurgical and Materials Transactions A 47 (12), 6374-6383
- 4. Comparative evaluation on the performance of nanostructured TiAlN, AlCrN, TiAlN/AlCrN coated and uncoated carbide cutting tool on turning En24 alloy steel, TS Kumar, SB Prabu, TS Kumar, NISCAIR-CSIR, India
- 5. Comparative Evaluation on the Performance of Nanostructured TiAlN, AlCrN, TiAlN/AlCrN Coated and Uncoated Carbide Tool on Turning En24 Alloy Steel, KT Sampath, S Balasivanandha, KT Sorna, Indian J. Eng. Mater. Sci 23, 45-59
- 6. Effect of Pressing Speed on Al-Mg-Si Aluminium Alloy Processed by Repetitive Corrugation and Straightening, N Thangapandian, SB Prabu, Indian Journal of Science and Technology 9.1
- 7. Microstructure and mechanical properties of Ti (C, N) based cermets reinforced with different ceramic particles processed by spark plasma sintering, E Shankar, SB Prabu, Ceramics International 43 (14), 10817-10823
- 8. Influence of WC and cobalt additions on the microstructural and mechanical properties of TiCN-Cr3C2-nano-TiB2 cermets fabricated by spark plasma sintering, E Shankar, SB Prabu, International Journal of Refractory Metals and Hard Materials 69, 110-118
- 9. Comparative Evaluation of Performances of TiAlN-, AlCrN-and AlCrN/TiAlN-Coated Carbide Cutting Tools and Uncoated Carbide Cutting Tools on Turning EN24 Alloy Steel, TS Kumar, SB Prabu, TS Kumar, Journal of Advanced Manufacturing Systems 16 (03), 237-261
- 10. On the role of experimental variables in the Repetitive Corrugation and Straightening, N Thangapandian, SB Prabu, KA Padmanabhan, procedia Engineering 207, 1457-1462
- 11. Effect of Combined Repetitive Corrugation and Straightening and Rolling on the Microstructure and Mechanical Properties of Pure Aluminum, N Thangapandian, SB Prabu, Metallography, Microstructure, and Analysis 6 (6), 481-488
- 12. Comparison of thermal and mechanical properties of Al-5wt.% TiB2 and Al-5wt.% ZrB2 composites processed through salt-melt reaction route, JJ Rino, SB Prabu, R Paskaramoorthy, Materials Today: Proceedings 4 (8), 8739-8750
- 13. Superplastic Forming of Aerospace Materials, KA Padmanabhan, SB Prabu, S Madhavan, Aerospace Materials and Material Technologies, 39-63
- 14. Mechanical properties and microstructures of TiCN/nano-TiB2/TiNcermets prepared by spark plasma sintering, E Shankar, SB Prabu, KA Padmanabhan, Ceramics International 44 (8), 9384-9394
- 15. On the influence of repetitive corrugation and straightening on the microstructure and mechanical properties of AA 8090 Al-Li alloy, J JenixRino, S Balasivanandha Prabu, KA Padmanabhan, Archives of Civil and Mechanical Engineering 18, 280-290
- 16. Wear Behaviour of In Situ Al/TiB₂ Composite: Influence of the Microstructural Instability, AS Vivekananda, SB Prabu, Tribology Letters 66 (1), 41
- 17. Investigation of TiAlN coated roller burnishing on Al-(B₄C)_p MMC workpiece material, E Shankar, S Balasivanandha Prabu, TS Kumar, MRS John, Materials and Manufacturing Processes 33 (11), 1242-1249
- 18. Superplasticity: Common Basis for a Near-Ubiquitous Phenomenon, KA Padmanabhan, SB Prabu, RR Mulyukov, A Nazarov, RM Imayev, Springer
- 19. Effect of nano-TiB₂ addition on the microstructure, mechanical properties and machining performance of TiCN cermet, E Shankar, SB Prabu, KA Padmanabhan, Journal of the Australian Ceramic Society 54 (3), 565-574

- 20. Combined effect of process parameters during aluminothermic reaction process on the microstructure and mechanical properties of in situ Al/TiB2 composite, AS Vivekananda, SB Prabu, R Paskaramoorthy, Journal of Alloys and Compounds 735, 619-634
- 21. Influence of velocity of pressing in RCS processed AA8090 Al-Li alloy, JJ Rino, IJ Krishnan, SB Prabu, KA Padmanabhan, Materials Characterization 140, 55-63
- 22. Influence of process parameters of aluminothermic reduction process on grain refinement of in-situ Al/TiB2 composites, AS Vivekananda, SB Prabu, R Paskaramoorthy, Materials Today: Proceedings 5 (1), 1071-1075
- 23. Microstructure Homogeneity in AA6063 Alloy Processed by Cyclic Expansion Extrusion, V Babu, S Balasivanandha Prabu, KA Padmanabhan, Defect and Diffusion Forum 385, 223-227
- 24. Corrigendum to "On the power law description of low-stress uni-axial steady-state high-homologous-temperature deformation" [Mechanics of Materials 91 (2015) 177–193], AAA Ali, SB Prabu, G Wilde, KA Padmanabhan, Mechanics of Materials 121, 57-58
- 25. On the Nuances in the Power Law Description and Interpretation of High Homologous Temperature Creep and Superplasticity Data, KA Padmanabhan, SB Prabu, A. Arsath Abbas Ali, Defect and Diffusion Forum (Advance Materials Research) 385, 27-32
- 26. Mechanics of Superplastic Deformation and Assessment of Superplastic Behavior, KA Padmanabhan, SB Prabu, RR Mulyukov, A Nazarov, RM Imayev, Superplasticity, 13-57
- 27. Theories of Superplasticity, KA Padmanabhan, SB Prabu, RR Mulyukov, A Nazarov, RM Imayev, Superplasticity, 281-357
- 28. Structural Superplasticity in Relatively Higher Melting Temperature Materials— Experimental, KA Padmanabhan, SB Prabu, RR Mulyukov, A Nazarov, RM Imayev, Superplasticity, 137-187
- 29. Microstructure and mechanical properties of AA6061–5wt.% TiB2 in-situ metal matrix composite subjected to equal channel angular pressing, A Chidambaram, SB Prabu, KA Padmanabhan, Materials Science and Engineering: A 759, 762-769
- 30. Effect of temperature on Grain Size in AA6063 Aluminium Alloy Subjected to repetitive Corrugation and Straightening, KAP N.Thangapandian, S.Balasivanandha Prabu, Acta MetallurgicaSinica (English Letters)
- 31. Thermal stability of ultrafine grained AA8090 Al–Li alloy processed by repetitive corrugation and straightening, SBP, JenixRino, Journal of Materials Research and Technology
- 32. Thermal stability of ultrafine grained AA8090 Al–Li alloy processed by repetitive corrugation and straightening, SBP, JenixRino, Journal of Materials Research and Technology
- 33. On the Influence of Temperature and Number of Passes on the Mechanical Properties of an Al–Mg Alloy Processed by Cyclic Expansion Extrusion, KAP V. Babu, Balasivanandha Prabu Shanmugavel, Metals and Materials International
- 34. Solidification behaviour of squeeze cast aluminium composites, P Gurusamy, SB Prabu, P Nagasankar, V Muthuraman, V Mohanavel, AIP Conference Proceedings 2283 (1), 020028
- 35. Tensile, impact, and mode-I behaviour of glass fiber-reinforced polymer composite modified by graphene nanoplatelets, SH G. V. Vigneshwaran, Balasivanandha Prabu Shanmugavel, R. Paskaramoorthy, Archives of Civil and Mechanical Engineering 20, 94