
Supplementary information

Variation in bridgmanite grain size accounts for the mid-mantle viscosity jump

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Supplementary Information for

Bridgmanite grain size variation accounts for the mid-mantle viscosity jump

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This Supplementary Information file contains examples of BSE images of all the samples (Figures S1 – S57).

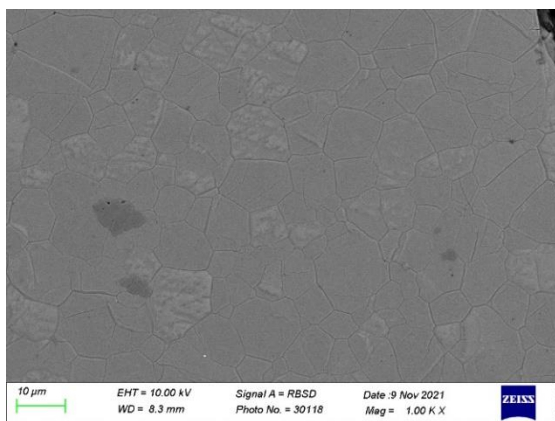


Fig. S1. I1269 – opx-bridgmanite

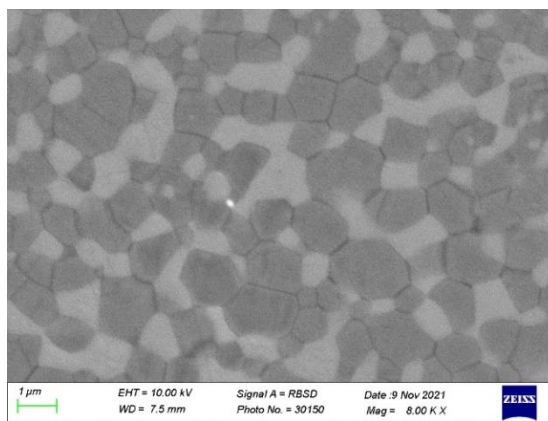


Fig. S2. I1269 – post-spinel

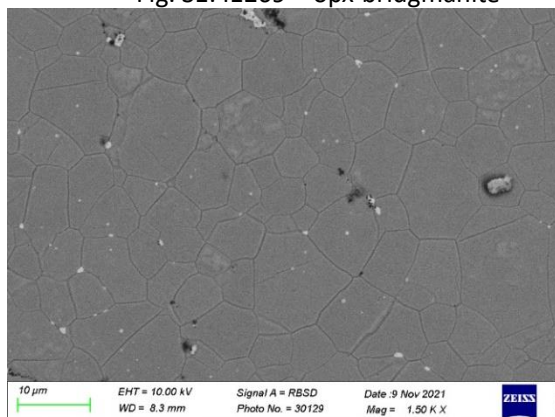


Fig. S3. I1269 – glass-1.02

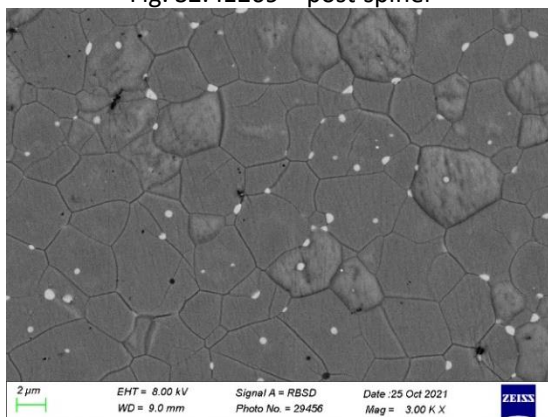


Fig. S4. I1269 – glass-1.05

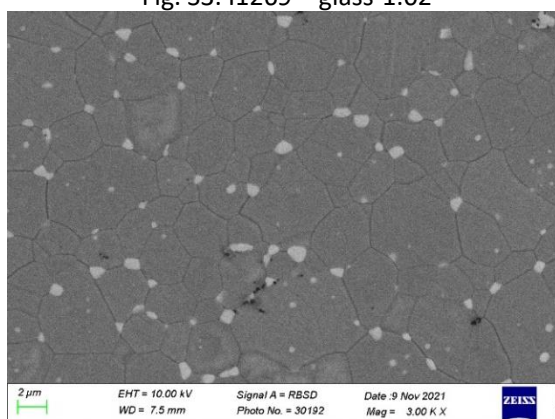


Fig. S5. I1269 – glass-1.1

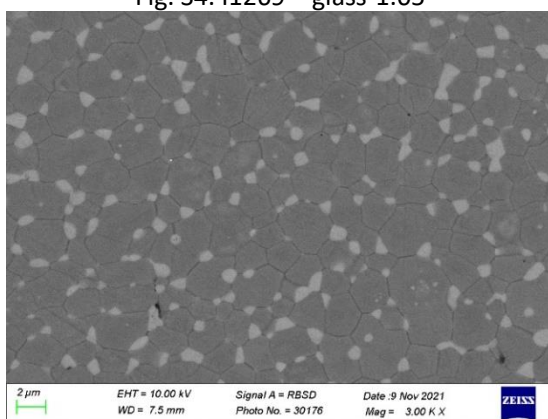


Fig. S6. I1269 – glass-1.2

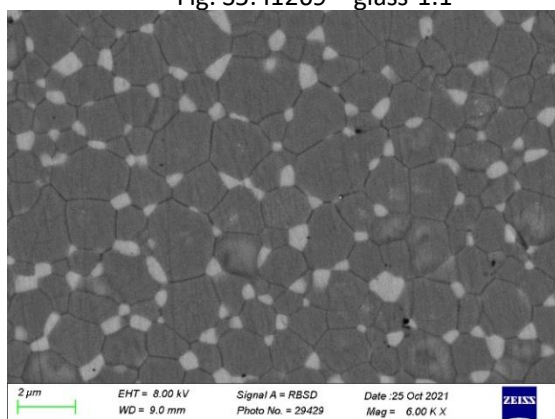


Fig. S7. I1269 – glass-1.3

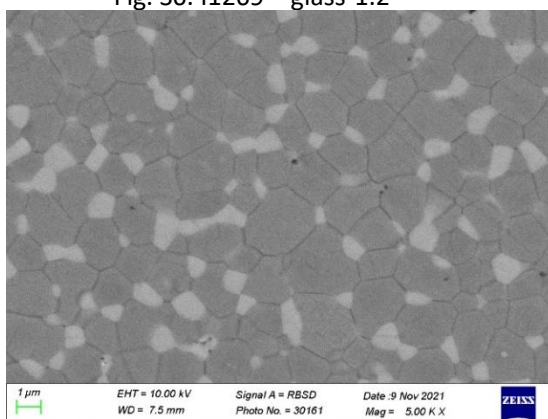


Fig. S8. I1269 – glass-1.4

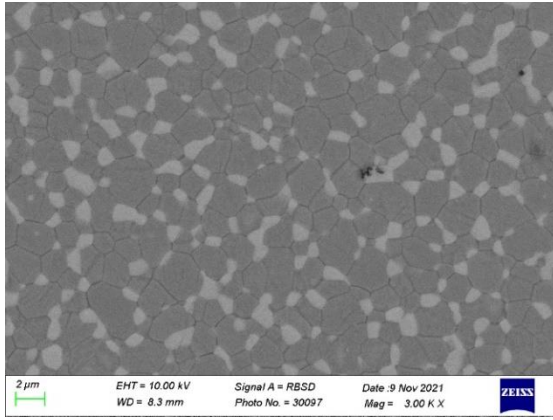


Fig. S9. I1269 – glass-1.5

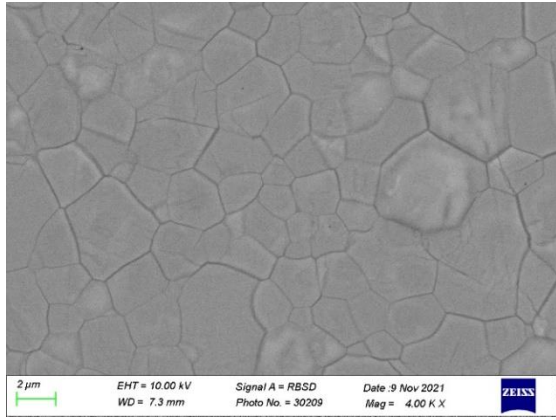


Fig. S10. I1266 – opx-bridgmanite

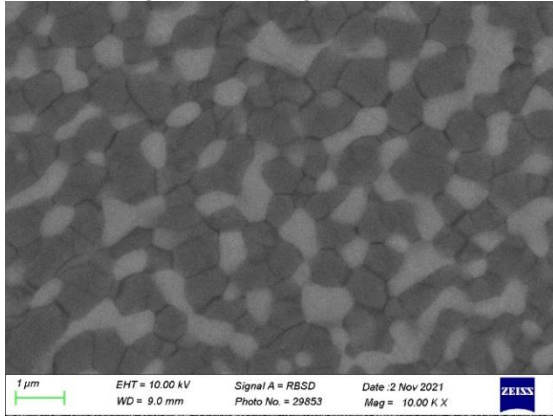


Fig. S11. I1266 – post-spinel

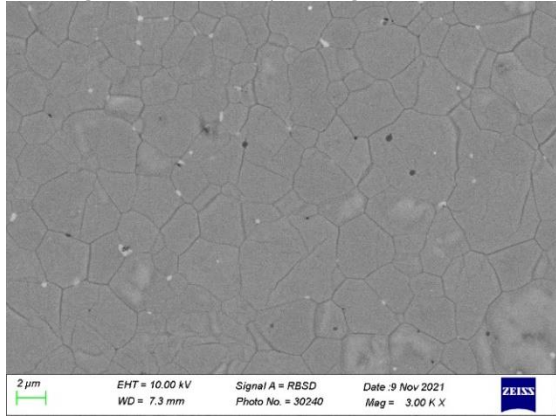


Fig. S12. I1266 – glass-1.02

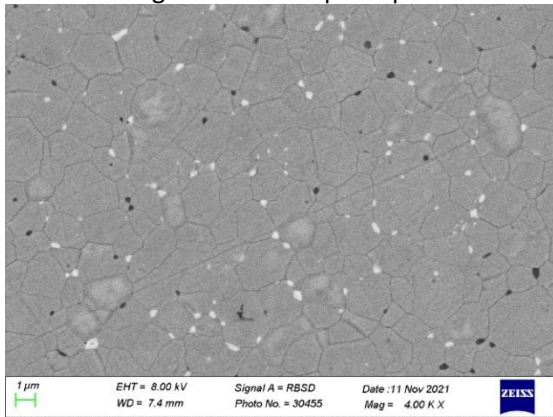


Fig. S13. I1266 – glass-1.05

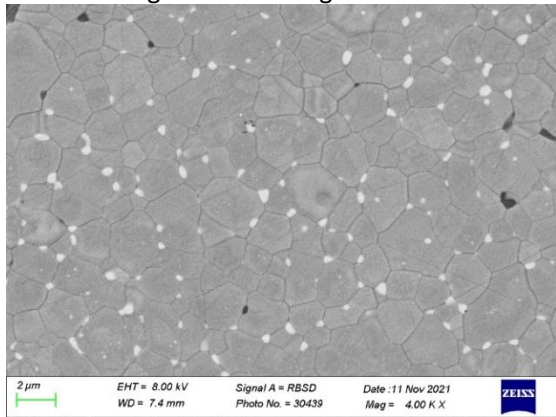


Fig. S14. I1266 – glass-1.1

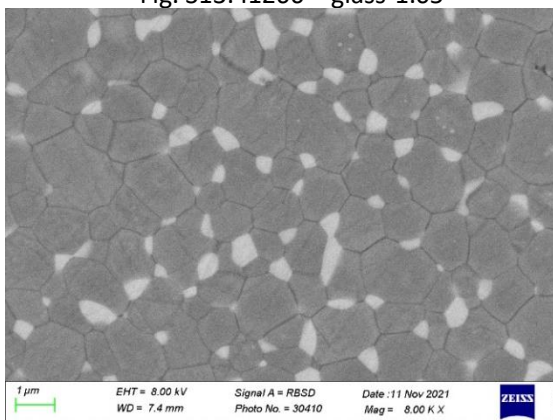


Fig. S15. I1266 – glass-1.2

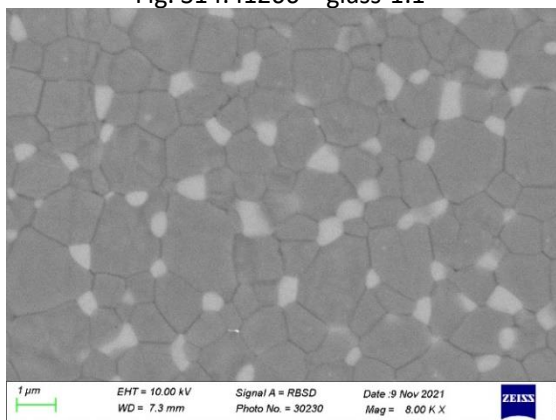


Fig. S16. I1266 – glass-1.3

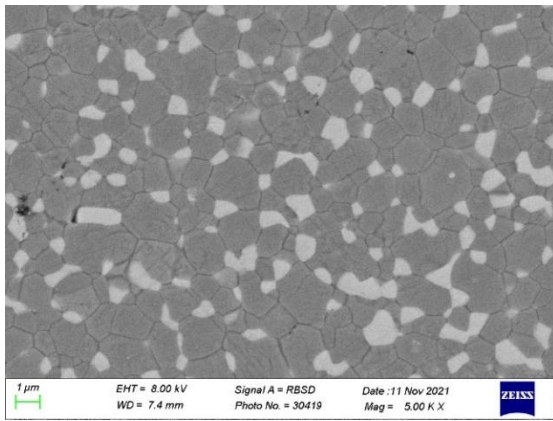


Fig. S17. I1266 – glass-1.4

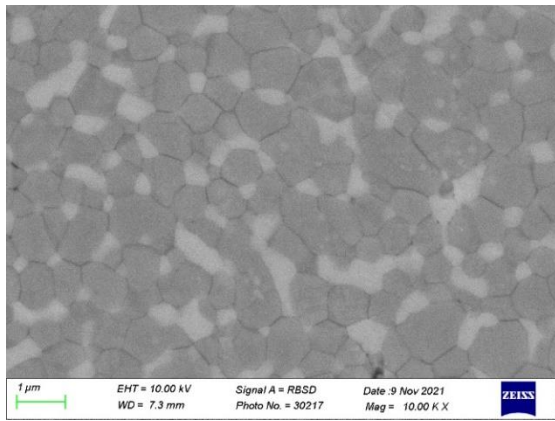


Fig. S18. I1266 – glass-1.5

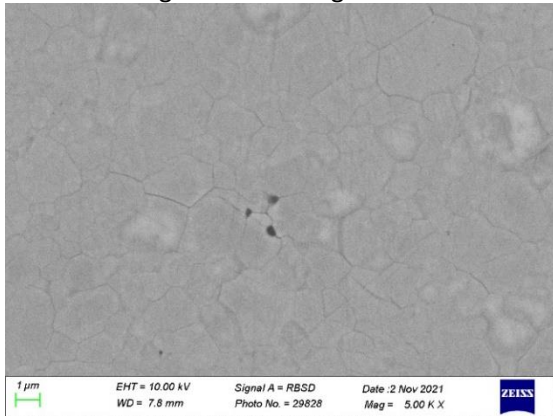


Fig. S19. I1260 – opx-bridgmanite

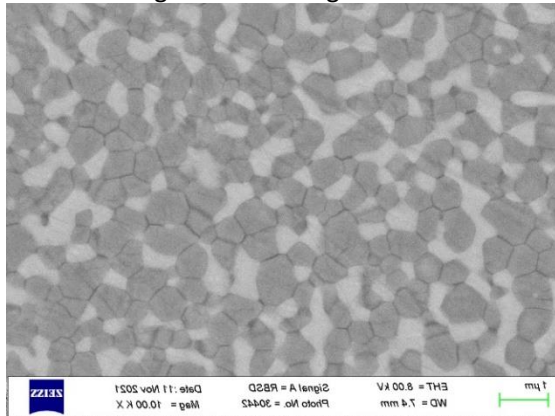


Fig. S20. I1260 – post-spinel

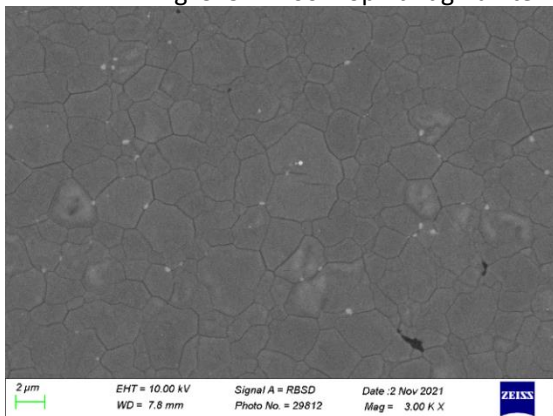


Fig. S21. I1260 – glass-1.02

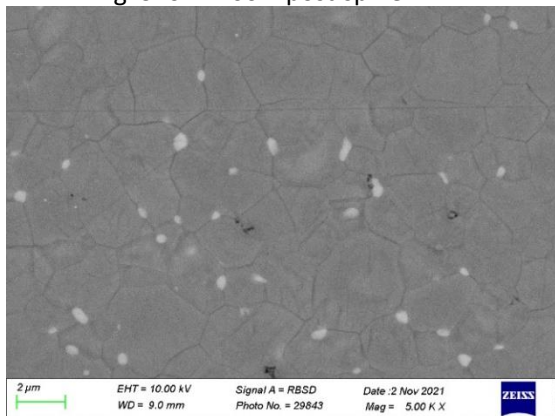


Fig. S22. I1260 – glass-1.05

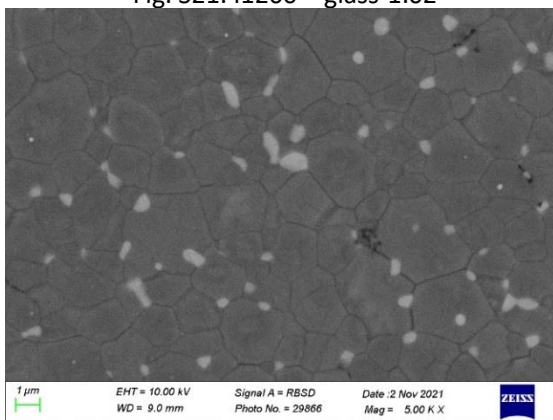


Fig. S23. I1260 – glass-1.1

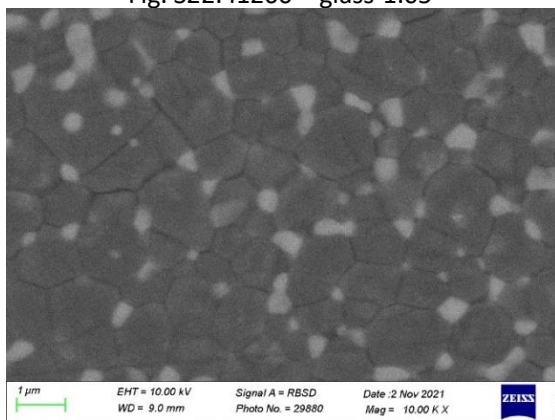


Fig. S24. I1260 – glass-1.2

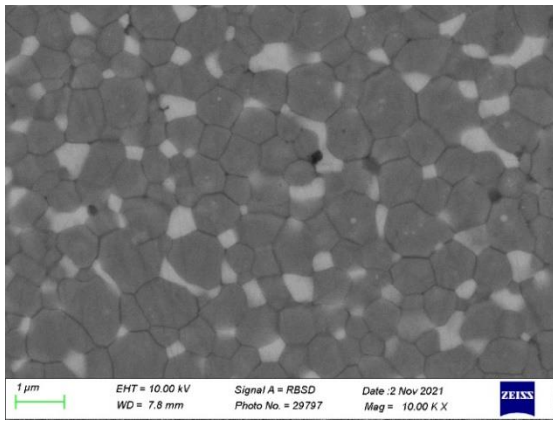


Fig. S25. I1260 – glass-1.3

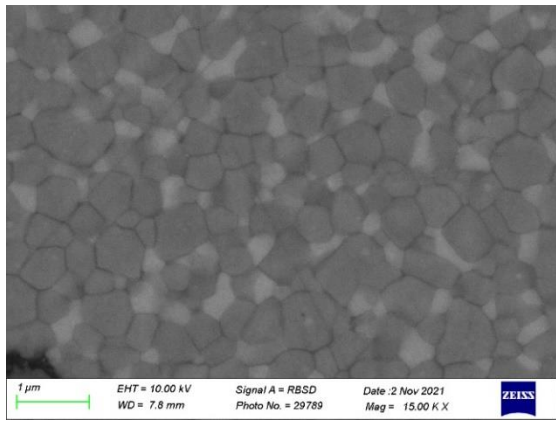


Fig. S26. I1260 – glass-1.4

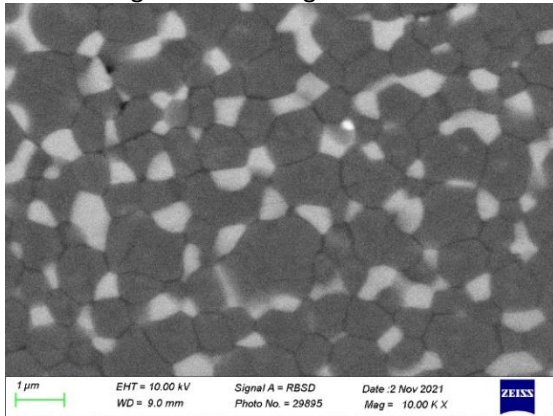


Fig. S27. I1260 – glass-1.5

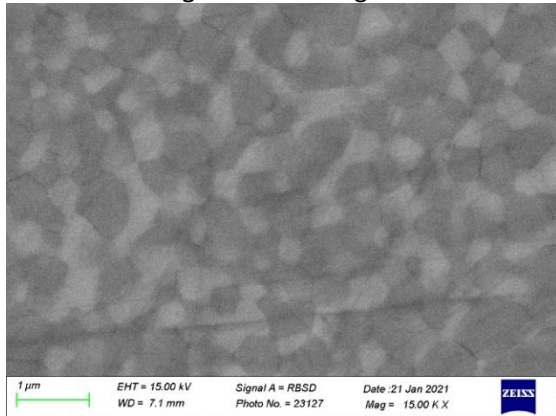


Fig. S28. I1147 – post-spinel

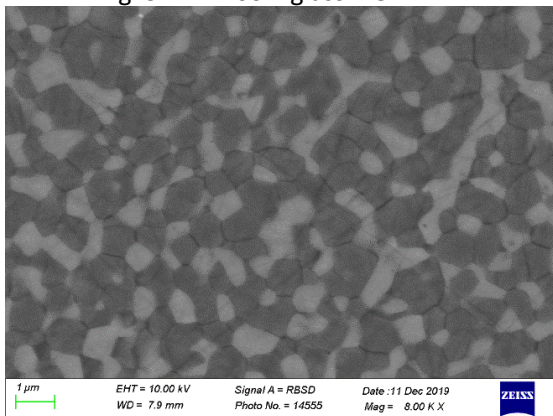


Fig. S29. I959 – post-spinel

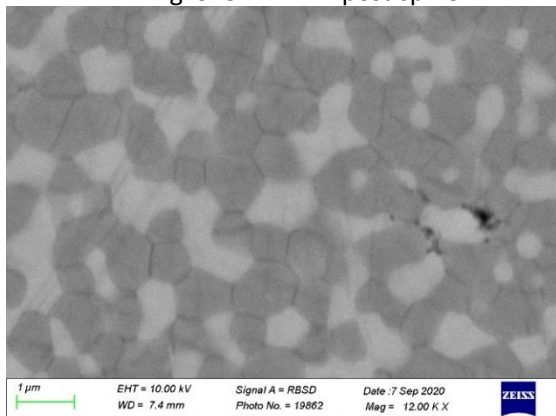


Fig. S30. I1105 – post-spinel

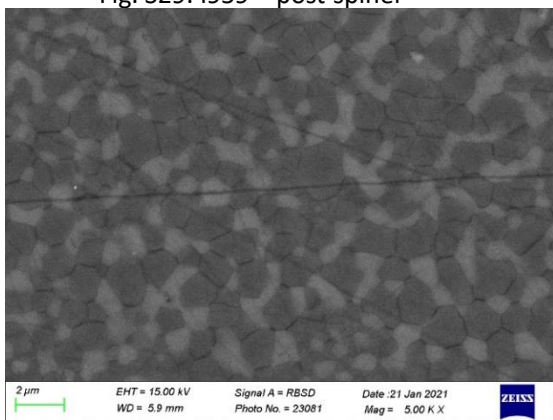


Fig. S31. I1143 – post-spinel

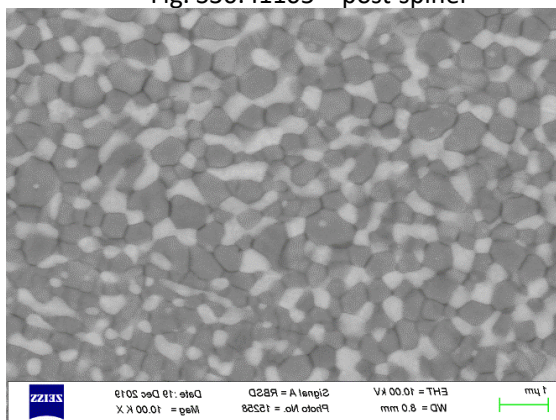


Fig. S32. I928 – post-spinel

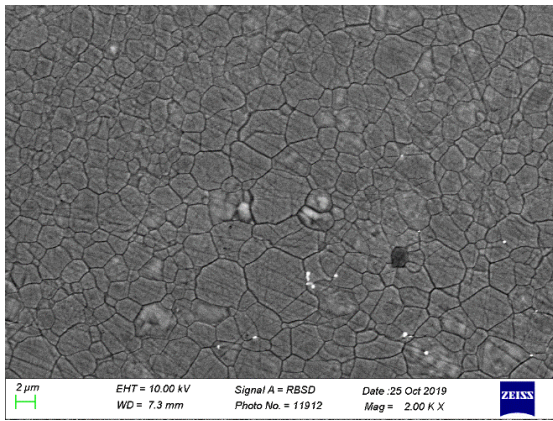


Fig. S33. I928 – opx-bridgmanite

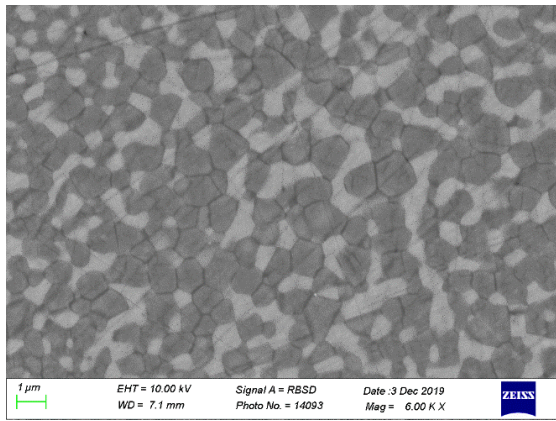


Fig. S34. I951 – post-spinel

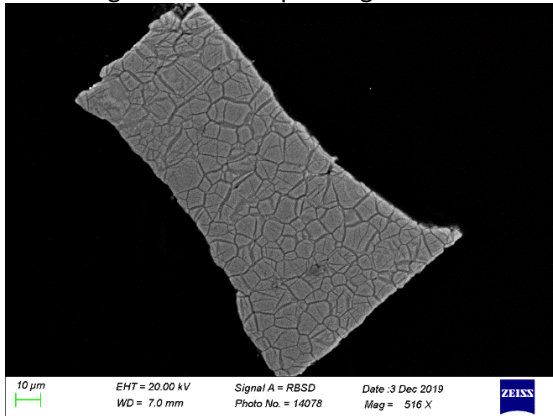


Fig. S35. I951 – opx-bridgmanite

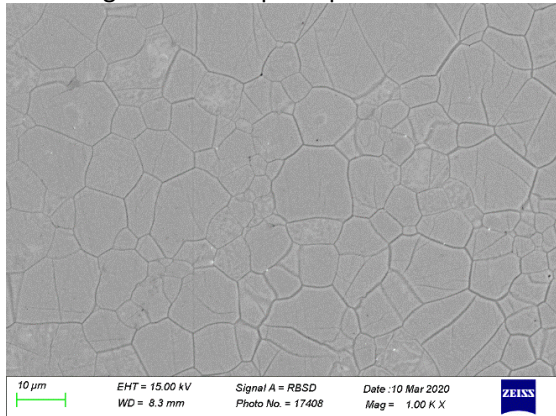


Fig. S36. I1023 – opx-bridgmanite

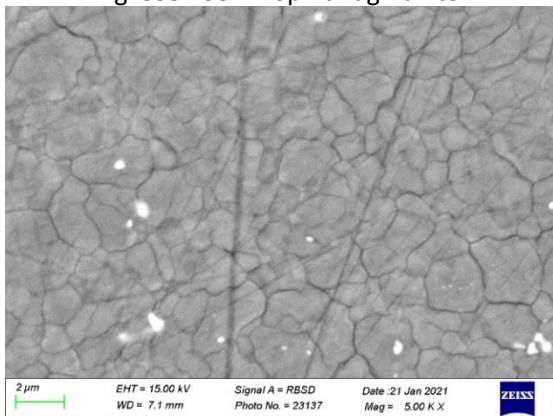


Fig. S37. I1147 – opx-bridgmanite

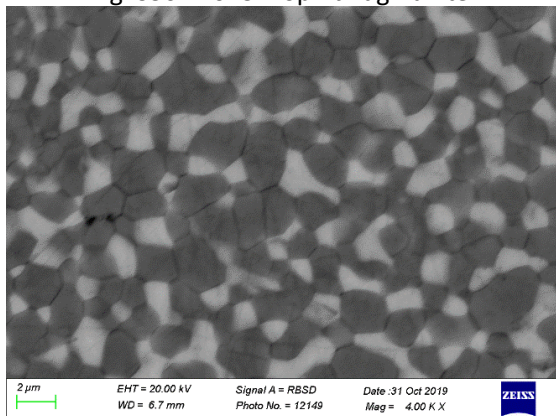


Fig. S38. I930 – post-spinel

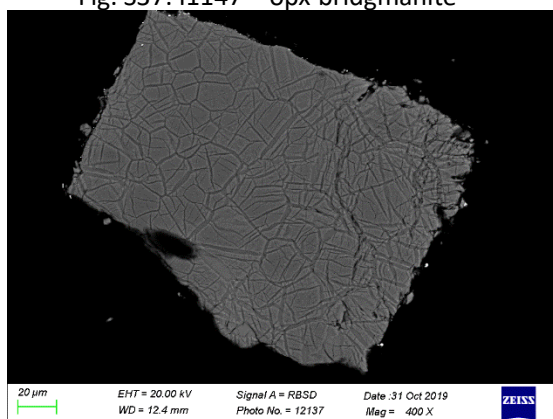


Fig. S39. I930 – opx-bridgmanite

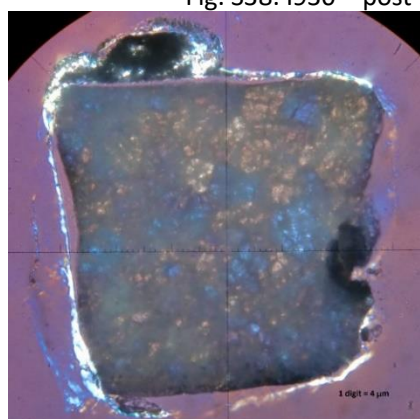


Fig. S40. I930 – opx-bridgmanite

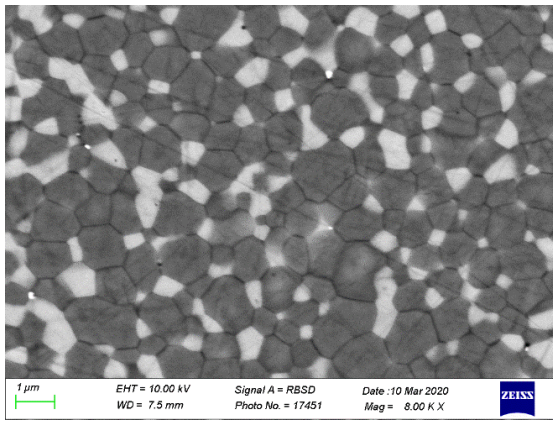


Fig. S41. I1023 – sol-gel-1.5 (image 32)

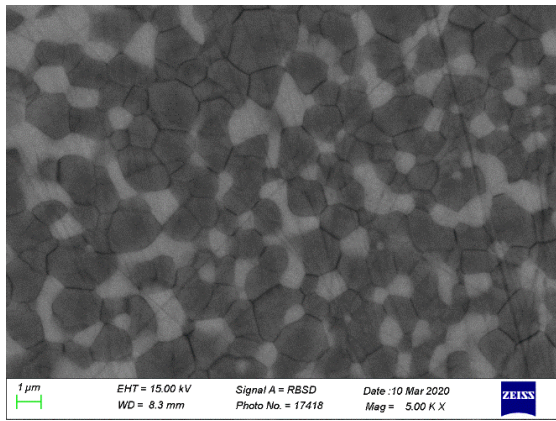


Fig. S42. I1023 – post-spinel

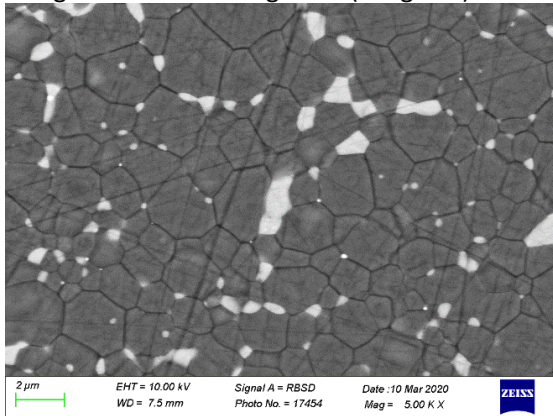


Fig. S43. I1023 – sol-gel-1.5 (image 35)

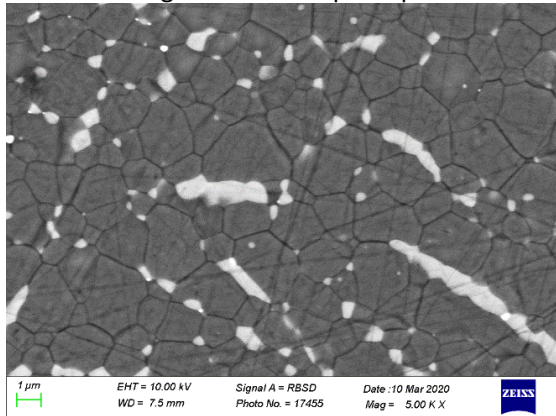


Fig. S44. I1023 – sol-gel-1.5 (image 36)

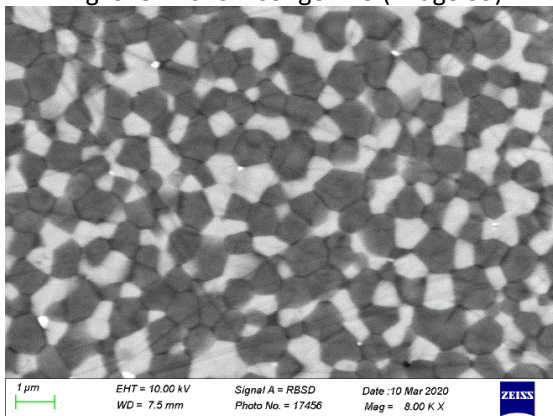


Fig. S45. I1023 – sol-gel-1.5 (image 37)

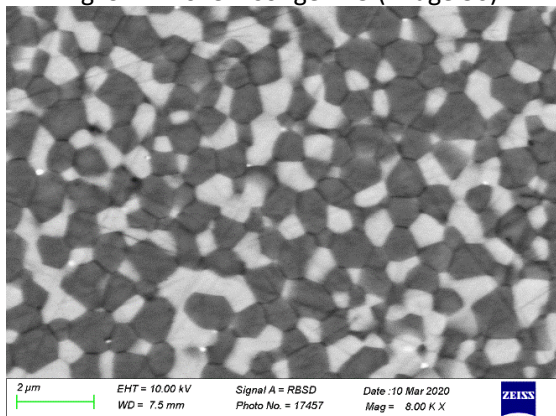


Fig. S46. I1023 – sol-gel-1.5 (image 38)

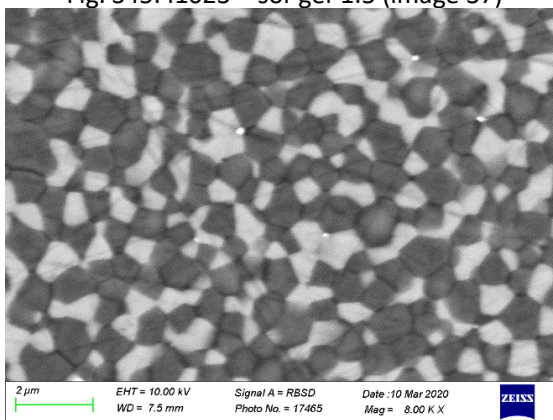


Fig. S47. I1023 – sol-gel-1.5 (image 46)

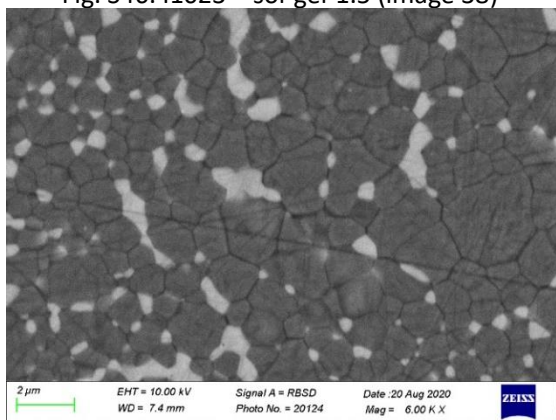


Fig. S48. I1023 – sol-gel-1.5 (image 146)

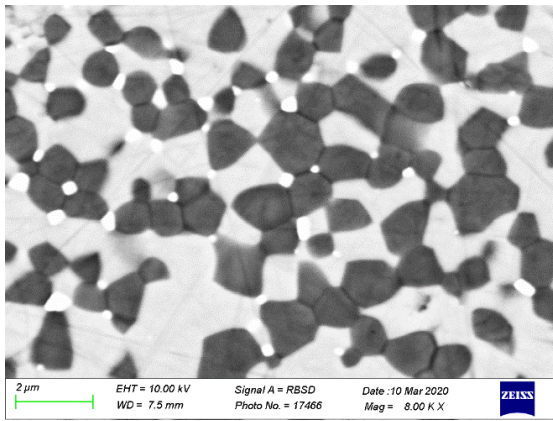


Fig. S49. I1023 – sol-gel-1.25 (image 47)

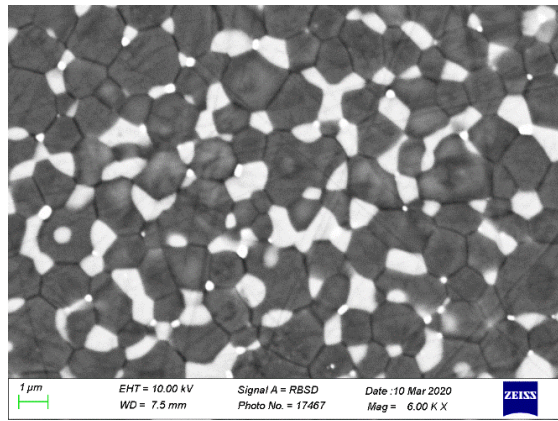


Fig. S50. I1023 – sol-gel-1.25 (image 48)

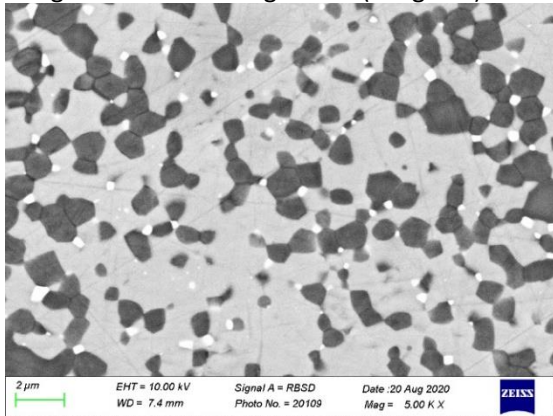


Fig. S51. I1023 – sol-gel-1.25 (image 131)

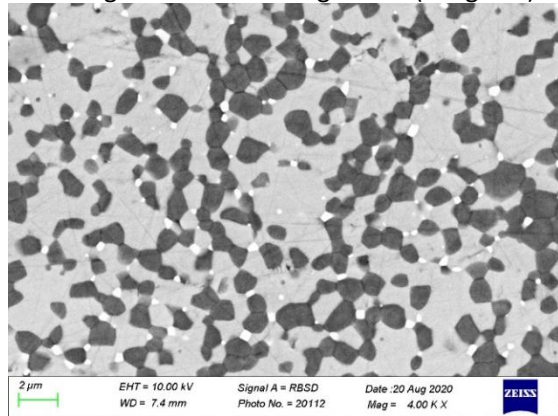


Fig. S52. I1023 – sol-gel-1.25 (image 134)

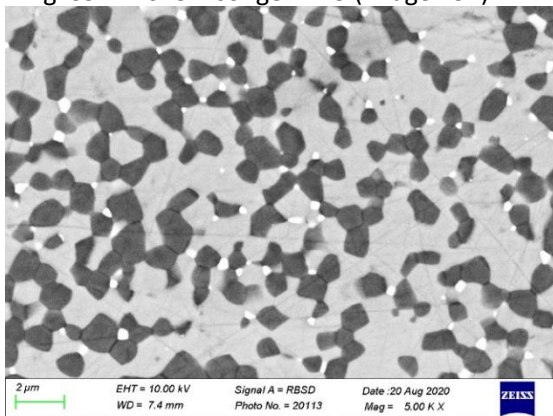


Fig. S53. I1023 – sol-gel-1.25 (image 135)

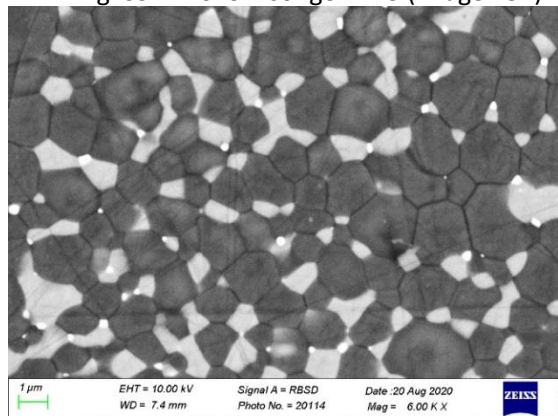


Fig. S54. I1023 – sol-gel-1.25 (image 136)

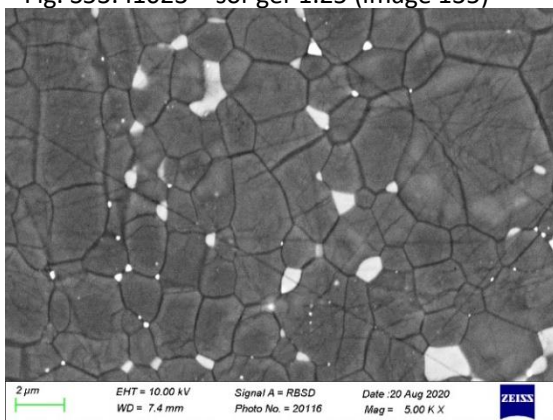


Fig. S55. I1023 – sol-gel-1.125 (image 138)

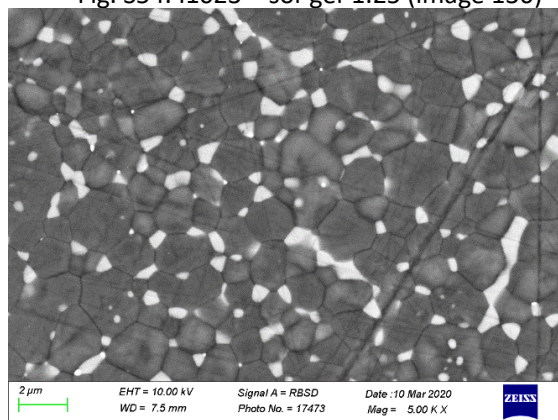


Fig. S56. I1023 – sol-gel-1.125 (image 54)

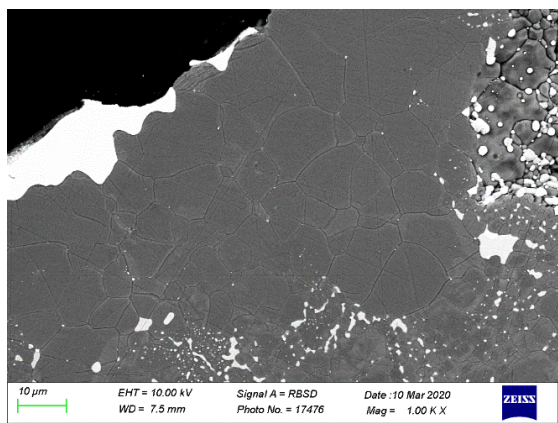


Fig. S57. I1023 – sol-gel-1.125 (image 57)