

C. BARRY CARTER: 1980s PUBLICATIONS

JOURNAL ARTICLES

- J014 Carter, C.B., 1980, *Phil. Mag.* **A41** (5), 619–635. “The Influence of Jogs on the Extension of Dislocation Nodes.”
- J015 Carter, C.B., 1980, *Phil. Mag.* **A42**, 31–46. “Observations on the Climb of Extended Dislocations Due to Irradiation in the HVEM.”
- J016 Carter, C.B., 1980, *phys. stat. sol. (a)* **61**, 147–157. “The Effect of Solute Interaction and Anisotropic Elasticity on Shockley Partial Dislocations in an F.C.C. Alloy.”
- J017 Carter, C.B., Donald, A.M. and Sass, S.L., 1980, *Phil. Mag.* **A41** (4), 467–476. “The Study of Grain Boundary Thickness Using Electron Diffraction Techniques.”
- J018 Chiang, S.-W., Carter, C.B. and Kohlstedt, D.L., 1980, *Phil. Mag.* **A42** (1), 103–121. “Faulted Dipoles in Germanium: A High Resolution Electron Microscopy Study.”
- J019 Carter, C.B., 1980, *phys. stat. sol. (a)* **61**, 579–589. “Multiple Ribbons in Face-Centered Cubic Materials I. The Geometry and Properties of Double Ribbons.”
- J020 Carter, C.B., 1980, *phys. stat. sol. (a)* **62**, 139–147. “Multiple Ribbons in Face-Centered Cubic Materials II. The Formation of Double and Multiple Ribbons.”
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- J022 Chiang, S.-W., Carter, C.B. and Kohlstedt, D.L., 1980, *Scripta Met.* **14**, 803–807. “Constricted Segments on Faulted Dipoles in Germanium.”
- J023 Carter, C.B., Kohlstedt, D.L. and Sass, S.L., 1980, *J. Amer. Cer. Soc.* **63** (11–12), 623–627. “Electron Diffraction and Microscopy Studies of the Structure of Grain Boundaries in Al₂O₃.”
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- J025 Carter, C.B., 1981, *phys. stat. sol. (a)* **63**, 335–344. “Multiple Ribbons in Face-Centered Cubic Materials III. Jogs on Double Ribbons.”
- J026 Carter, C.B., Roberts, J.S. and Wood, C.E.C., 1981, *Appl. Phys. Lett.* **38** (10), 805–807. “Glide of Dissociated Dislocations in III–V Compounds.”
- J027 Carter, C.B. and Sass, S.L., 1981, *J. Am. Ceram. Soc.* **64** (6), 335–345. “Electron Diffraction and Microscopy Techniques for Studying Grain-Boundary Structure.”
- J028 Carter, C.B. and Kohlstedt, D.L., 1981, *Phys. Chem. Minerals* **7**, 110–116. “Electron Irradiation Damage in Natural Quartz Grains.”
- J029 Hagège, S., Carter, C.B., Cosandey, F. and Sass, S.L., 1982, *Phil. Mag.* **A45** (4), 723–740. “The Variation of Grain Boundary Structural Width with Misorientation Angle and Boundary Plane.”
- J030 Ostyn, K.M. and Carter, C.B., 1982, *Surf. Sci.* **121**, 360–374. “On the Reduction of Nickel Oxide.”

- J031 Shaw, T.M. and Carter, C.B., 1982, Scripta Met. **16** (12), 1431–1436. “Faceting of Twin Boundaries in Spinel.”
- J032 Wilkens, M., Föll, H. and Carter, C.B., 1982, phys. stat. sol. (a) **73**, K15–K19. “A Further Comment on the Weak-Beam Contrast of Stacking Faults in Silicon.”
- J033 Carter, C.B., 1983, phys. stat. sol. (a) **80**, 51–64. “Multiple Ribbons in Face-Centered Cubic Materials: IV. The Interaction between Double Ribbons and Inclined Dislocations.”
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- J035 Carter, C.B., 1984, Phil. Mag. **A50** (1), 133–141. “Electron Diffraction from Microtwins and Long-Period Polytypes.”
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- J037 Morrissey, K.J., Czanderna, K.K., Carter, C.B. and Merrill, R.P., 1984, J. Am. Ceram. Soc. **67** (5), C88–90. “Growth of γ -Al₂O₃ Within a Transition Alumina Matrix.”
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- J047 Kuesters, K.-H., De Cooman, B.C., Shealy, J.R. and Carter, C.B., 1985, J. Cryst. Growth **71**, 514–518. “TEM Observations of Compositional Variations in Al_xGa_{1-x}As Grown by OMVPE.”

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- J054 Kuesters, K.-H., De Cooman, B.C. and Carter, C.B., 1986, *Phil. Mag.* **A53** (1), 141–159. “High-Stress Deformation of GaAs.”
- J055 Carter, C.B., Elgat, Z. and Shaw, T.M., 1987, *Phil. Mag.* **A55** (1), 1–19. “Twin Boundaries Parallel to the Common-{111} Plane in Spinel.”
- J056 Carter, C.B., Elgat, Z. and Shaw, T.M., 1987, *Phil. Mag.* **A55** (1), 21–38. “Lateral Twin Boundaries in Spinel.”
- J057 Ralston, J., Wicks, G.W., Eastman, L.F., De Cooman, B.C. and Carter, C.B., 1986, *J. Appl. Phys.* **59** (1), 120–123. “Defect Structure and Intermixing of Ion-Implanted Al_xGa_{1-x}As/GaAs Superlattices.”
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- J063 Carter, C.B., 1986, *Ber. Bunsenges. Phys. Chem.* **90**, 643–649. “Interfaces in Solid-State Reactions.”
- J064 Carter, C.B. and Simpson, Y. K., 1986, *Ber. Bunsenges. Phys. Chem.* **90**, 676–680. “Thin-Film Reactions.”
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CONFERENCE PROCEEDINGS

- C013 Carter, C.B., Föll, H., Ast, D.G. and Sass, S.L., 1980, 7th European Conference on Electron Microscopy, 314–315. “Grain Boundaries in Silicon: An Electron Diffraction and Microscopy Study.”
- C014 Carter, C.B., F. Cosandey, Hagège, S. and Sass, S.L., 1980, 7th European Conference on Electron Microscopy, 234–235. “The Use of Electron Diffraction Techniques to Study the Thickness of Grain Boundaries.”
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- C022 Morrissey, K.J. and Carter, C.B., 1982, ICEM 10, Hamburg, 343–344. “Faceted Twin Boundaries in Al_2O_3 .”
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- C027 Ostyn, K.M., Schmalzried H. and Carter, C.B., 1983, 41st Annual Meeting EMSA, Phoenix, 54–55. “Spinel/Oxide Interfaces Formed by Internal Solid-State Reactions.”
- C028 Morrissey, K.J., Kouh, Y. and Carter, C.B., 1983, 41st Annual Meeting EMSA, Phoenix, 46–47. “High Resolution TEM and Analytical Study of Second-Phase Particles in Al₂O₃.”
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