

LINAN AN

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Department of Materials Science and Engineering
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PROFESSIONAL PREPARATION

<u>Institution</u>	<u>Major/Area</u>	<u>Degree, Year</u>
Tsinghua University, Beijing, China	Chemistry and Chemical Engineering	B.S., 1986
Tsinghua University, Beijing, China	Materials Science and Engineering	M.S., 1991
Lehigh University, Bethlehem, PA	Materials Science and Engineering	Ph.D., 1996

APPOINTMENTS

Undergraduate Program Coordinator Department of MSE, University of Central Florida	2018 – present
Professor Department of MSE, University of Central Florida	2014 – present
Professor, Department of MMAE, University of Central Florida	2012 – 2014
Associate Professor, Department of MMAE, University of Central Florida	2007 – 2012
Assistant Professor, Department of MMAE, University of Central Florida	2001 – 2007
Director of Research, Sporian Microsystem Technology, Boulder, CO	1999 – 2000
Research Associate, Department of ME, University of Colorado @ Boulder	1996 – 2000
Research Associate, Department of MSE, Cornell University	1996 – 1996

SELECTED PUBLICATIONS

1. K. Chen, X. Pe, L. Tang, H. Cheng, Z. Li, C. Li, X. Zhang and L. An. A five-component entropy-stabilized fluorite oxide. *Journal of the European Ceramic Society*, 38 (11), 4161-4164 (2018).
2. Y. Chen, X. Yang, Y. Cao, Z. Gan and L. An. Quantitative study on structural evolutions and associated energetics in polymer-derived amorphous silicon carbonitride ceramics. *Acta Materialia*, 72[6], 22-31 (2014).

3. Z. Xie, S. Li, and L. An. A novel oscillatory pressure-assisted hot pressing for preparation of high performance ceramics. *Journal of the American Ceramic Society*, 97[4], 1012-1015 (2014).
4. Y. Chen, F. Yang and L. An. On electric conductivity of polymer-derived amorphous silicon carbonitride. *Applied Physics Letters*, 102, 231902 (2013).
5. L. Zhang, Y. Wang, Y. Wei, W. Xu, D. Fang, L. Zhai, K. Lin and L. An. A silicon carbonitride ceramic with anomalously high piezoresistivity. *Journal of the American Ceramic Society*, 91[4], 1346-1349 (2008).
6. Y. Wang, Y. Fan, L. Zhang, W. Zhang and L. An. Polymer-derived SiAlCN ceramics resist to oxidation at 1400°C. *Scripta Materialia*, 55, 295-297 (2006).
7. L. Zhang, H. Jin, W. Yang, Z. Xie, H. Miao and L. An. Optical properties of single-crystalline α -Si₃N₄ nanobelts. *Applied Physics Letters*, 86, 061908 (2005).
8. L. An, W. Xu, S. Rajagopalan, C. Wang, H. Wang, J. Kapat, L. Chow, Y. Fan, L. Zhang, D. Jiang, B. Guo, J. Liang and R. Vaidyanathan. Carbon nanotube reinforced polymer-derived ceramic composites. *Advanced Materials*, 16[22], 2036-2040 (2004).
9. L. An, R. Riedel, C. Konetachny, H.J. Kleebe and R. Raj. Newtonian viscosity of amorphous silicon carbonitride at high temperature. *Journal of the American Ceramic Society*, 81, 1349-52 (1998).
10. L. An, H.M. Chan, N.P. Padture and B.R. Lawn. Damage-resistance in alumina-based layer composites. *Journal of Materials Research*, 11, 204-210 (1996).

SYNERGISTIC ACTIVITIES

- Dr. An is currently the Undergraduate Program Coordinator for Department of Materials Science and Engineering at the University of Central Florida. His responsibility including designing curriculum, promoting the program, and recruiting students for this new program.
- Dr. An served and is serving as Associate Editor, Member of editorial board for several journals in his field.
- Dr. An served as symposium organizer, international committee member, and technical committee member for numerous national/international conferences.