

## A. Books and Book Contributions

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**B. Refereed Articles Published in Archival Journals**

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2. Eyi, S., Hanquist, K.M., and Boyd, I.D., "Aerothermodynamic Design Optimization of Hypersonic Vehicles," *Journal of Thermophysics and Heat Transfer*, Vol. 33, 2019, pp. 392-406.
3. Hanquist, K.M. and Boyd, I.D., "Plasma Assisted Cooling of Hot Surfaces on Hypersonic Vehicles," *Frontiers in Physics*, Vol. 7, Article 9, 2019.
4. Chen, S.Y., and Boyd, I.D., "Chemical Equilibrium Analysis of Silicon Carbide Oxidation in Oxygen and Air," *Journal of the American Ceramic Society*, Vol. 102, 2019, pp. 4272-4284.
5. Andrienko, D.A. and Boyd, I.D., "Kinetic Models of Oxygen Thermochemistry Based on Quasi-Classical Trajectory Analysis," *Journal of Thermophysics and Heat Transfer*, Vol. 2, 2018, pp. 904-916.
6. Jun, E. and Boyd, I.D., "Assessment of the LD-DSMC Method for Hypersonic Rarefied Flow," *Computers and Fluids*, Vol. 166, 2018, pp. 123-138.
7. Cusson, S. E., Georjgin, M. P., Dragnea, H. C., Dale, E. T., Dhaliwal, V., Boyd, I. D., and Gallimore, A. D., "On Channel Interactions in Nested Hall Thrusters," *Journal of Applied Physics*, Vol. 123, 2018, Article 133303.
8. Cross, P.G. and Boyd, I.D., "Reduced Reaction Mechanism for Rocket Nozzle Ablation Simulations," *Journal of Thermophysics and Heat Transfer*, Vol. 32, 2018, pp. 429-439.
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  14. Andrienko, D.A. and Boyd I.D., "State-Specific Dissociation in O<sub>2</sub>-O<sub>2</sub> Collisions By Quasiclassical Trajectory Method," *Chemical Physics*, Vol. 491, 2017, pp. 74-81.
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