

# SCI Publications: Flux Discretization

- B Parent. “[Positivity-preserving flux-limited method for compressible fluid flow](#)”, *Computers and Fluids*, Vol. 44 (1), Pages 238-247, 2011. [firstpage.pdf](#) [article.pdf](#)
- B Parent. “[Positivity-preserving High-Resolution Schemes for Systems of Conservation Laws](#)”, *Journal of Computational Physics*, Vol. 231 (1), Pages 173-189, 2012. [firstpage.pdf](#) [article.pdf](#)
- B Parent. “[Positivity-preserving Flux Difference Splitting Schemes](#)”, *Journal of Computational Physics*, Vol. 243, Pages 194-209, 2013. [firstpage.pdf](#) [article.pdf](#)
- B Parent. “[Multidimensional Flux Difference Splitting Schemes](#)”, *AIAA Journal*, Vol. 53, No. 7, Pages 1936-1948, 2015. [firstpage.pdf](#) [article.pdf](#)
- B Parent. “[Multidimensional High-Resolution Schemes for Viscous Hypersonic Flows](#)”, *AIAA Journal*, Vol. 55 (1), Pages 141-152, 2017. [article.pdf](#)
- B Parent. “[Positivity-Preserving Dual Time Stepping Schemes for Gas Dynamics](#)”, *Journal of Computational Physics*, Vol. 361, Pages 391-411, 2018. [firstpage.pdf](#) [article.pdf](#)