Origin, Initiation, and 3D Magnetic Structures of Coronal Mass Ejections

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My Interesting:
• Origin, initiation, acceleration of CMEs;
• Relationship between CMEs and Flares;
• 3D magnetic field structures of associated active region.

My Works By SDO/AIA:
Observing flux rope formation during the impulsive phase of a solar eruption. (Cheng et al. 2011 ApJL)

Re-flaring of a post-flare loop system that was driven by flux rope emergence and twisting. (Cheng et al. 2010 ApJL)