Robert L Richard

List of Publications by Citations

18 papers	368 citations	9 h-index	19 g-index
20 ext. papers	409 ext. citations	3.7 avg, IF	2.63 L-index

#	Paper	IF	Citations
18	Observations and simulations of non-local acceleration of electrons in magnetotail magnetic reconnection events. *Nature Physics*, **2011**, 7, 360-365	16.2	145
17	Substorm evolution as revealed by THEMIS satellites and a global MHD simulation. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		37
16	Quasi-trapped ion and electron populations at Mercury. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	27
15	Dipolarization and turbulence in the plasma sheet during a substorm: THEMIS observations and global MHD simulations. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 7752-7761	2.6	25
14	Electron transport and precipitation at Mercury during the MESSENGER flybys: Implications for electron-stimulated desorption. *Planetary and Space Science*, **2011**, 59, 2026-2036	2	25
13	Suprathermal Electron Acceleration in a Reconnecting Magnetotail: Large-Scale Kinetic Simulation. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 8087-8108	2.6	24
12	Global magnetohydrodynamic simulation of reconnection and turbulence in the plasma sheet. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		21
11	Modeling Magnetospheric Sources. *Geophysical Monograph Series*, **2003**, 33-43	1.1	15
10	A simulation study of electron hole distributions. *Geophysical Research Letters*, **1989**, 16, 1137-1140	4.9	9
9	Forces driving fast flow channels, dipolarizations, and turbulence in the magnetotail. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 11,063	2.6	9
8	The Entry of Solar Wind Ions into the Magnetosphere. *Geophysical Monograph Series*, **2013**, 311-319	1.1	7
7	Dawn-dusk asymmetry in solar wind ion entry and dayside precipitation: Results from large-scale simulations. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 1549-1562	2.6	6
6	Modeling substorm ion injection observed by the THEMIS and LANL spacecraft in the near-Earth magnetotail. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		6
5	Direct auroral precipitation from the magnetotail during substorms. *Geophysical Research Letters*, **2013**, 40, 3787-3792	4.9	5
4	Contrasting electron acceleration processes during two substorms. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 5382-5400	2.6	3
3	Ion dynamics associated with substorm dipolarization fronts. *Science China Earth Sciences*, **2014**, 57, 2543-2551	1.2	2
2	Characteristics of Reconnection Sites and Fast Flow Channels in an MHD Simulation. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027701	2.6	2

1 Large-Scale Simulations of Solar Wind Ion Entry and Dayside Precipitation. *Geophysical Monograph Series*, **2017**, 41-48 1.1