

# Mario A Riquelme

## List of Publications by Year in descending order

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15  
papers

782  
citations

933447

10  
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996975

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g-index

15  
all docs

15  
docs citations

15  
times ranked

1064  
citing authors

#	ARTICLE	IF	CITATIONS
1	The microphysics of collisionless shock waves. Reports on Progress in Physics, 2016, 79, 046901.	20.1	185
2	NONLINEAR STUDY OF BELL'S COSMIC RAY CURRENT-DRIVEN INSTABILITY. Astrophysical Journal, 2009, 694, 626-642.	4.5	137
3	ELECTRON INJECTION BY WHISTLER WAVES IN NON-RELATIVISTIC SHOCKS. Astrophysical Journal, 2011, 733, 63.	4.5	104
4	PARTICLE-IN-CELL SIMULATIONS OF CONTINUOUSLY DRIVEN MIRROR AND ION CYCLOTRON INSTABILITIES IN HIGH BETA ASTROPHYSICAL AND HELIOSPHERIC PLASMAS. Astrophysical Journal, 2015, 800, 27.	4.5	76
5	LOCAL TWO-DIMENSIONAL PARTICLE-IN-CELL SIMULATIONS OF THE COLLISIONLESS MAGNETOROTATIONAL INSTABILITY. Astrophysical Journal, 2012, 755, 50.	4.5	67
6	MAGNETIC AMPLIFICATION BY MAGNETIZED COSMIC RAYS IN SUPERNOVA REMNANT SHOCKS. Astrophysical Journal, 2010, 717, 1054-1066.	4.5	65
7	Lower Metal Enrichment of Virialized Gas in Mini-halos. Astrophysical Journal, 2008, 674, 644-652.	4.5	54
8	PIC SIMULATIONS OF THE EFFECT OF VELOCITY SPACE INSTABILITIES ON ELECTRON VISCOSITY AND THERMAL CONDUCTION. Astrophysical Journal, 2016, 824, 123.	4.5	42
9	PIC Simulations of Velocity-space Instabilities in a Decreasing Magnetic Field: Viscosity and Thermal Conduction. Astrophysical Journal, 2018, 854, 132.	4.5	15
10	Separating the Weak Lensing and Kinetic Sunyaev-Zeldovich Effects from Cosmic Microwave Background Temperature Maps. Astrophysical Journal, 2007, 661, 672-677.	4.5	11
11	Stochastic Electron Acceleration by the Whistler Instability in a Growing Magnetic Field. Astrophysical Journal, 2017, 850, 113.	4.5	8
12	Stochastic Ion Acceleration by the Ion-cyclotron Instability in a Growing Magnetic Field. Astrophysical Journal, 2019, 880, 100.	4.5	7
13	Neutrino emission rates in highly magnetized neutron stars revisited. Astronomy and Astrophysics, 2005, 439, 427-432.	5.1	6
14	KINETIC SIMULATIONS OF THE CURRENT-DRIVEN INSTABILITY IN COSMIC RAY MODIFIED RELATIVISTIC SHOCKS. International Journal of Modern Physics D, 2008, 17, 1803-1809.	2.1	3
15	Stochastic Electron Acceleration by Temperature Anisotropy Instabilities under Solar Flare Plasma Conditions. Astrophysical Journal, 2022, 924, 52.	4.5	2