

Vincent J Riot

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

16
papers

1,150
citations

8
h-index

22
g-index

22
ext. papers

1,596
ext. citations

4.2
avg, IF

2.15
L-index

#	Paper	IF	Citations
16	LSST: From Science Drivers to Reference Design and Anticipated Data Products. <i>Astrophysical Journal</i> , 2019 , 873, 111	4.7	814
15	Single particle X-ray diffractive imaging. <i>Nano Letters</i> , 2008 , 8, 310-6	11.5	205
14	Achieving high detection sensitivity (14 zmol) of biomolecular ions in bioaerosol mass spectrometry. <i>Analytical Chemistry</i> , 2005 , 77, 4734-41	7.8	36
13	Autonomous, broad-spectrum detection of hazardous aerosols in seconds. <i>Analytical Chemistry</i> , 2008 , 80, 4583-9	7.8	21
12	Improved sensitivity and mass range in time-of-flight bioaerosol mass spectrometry using an electrostatic ion guide. <i>Journal of the American Society for Mass Spectrometry</i> , 2005 , 16, 1866-75	3.5	17
11	A 4 U laser heterodyne radiometer for methane (CH ₄) and carbon dioxide (CO ₂) measurements from an occultation-viewing CubeSat. <i>Measurement Science and Technology</i> , 2017 , 28, 035902	2	12
10	A Compact, Flexible, High Channel Count DAQ Built From Off-the-Shelf Components. <i>IEEE Transactions on Nuclear Science</i> , 2013 , 60, 2196-2202	1.7	9
9	Single-Particle Aerosol Mass Spectrometry (SPAMS) for High-Throughput and Rapid Analysis of Biological Aerosols and Single Cells. <i>ACS Symposium Series</i> , 2011 , 161-196	0.4	9
8	Electro-optical testing of fully depleted CCD image sensors for the Large Synoptic Survey Telescope camera 2014 ,		5
7	Supramicrometer particle shadowgraph imaging in the ionization region of a single particle aerosol mass spectrometer. <i>Journal of Aerosol Science</i> , 2008 , 39, 10-18	4.3	4
6	Characterization of ambient aerosols at the San Francisco International Airport using bioaerosol mass spectrometry 2006 , 6218, 80		4
5	Initial test results of an ionization chamber shower detector for a LHC luminosity monitor. <i>IEEE Transactions on Nuclear Science</i> , 2003 , 50, 258-262	1.7	4
4	Optical payload for the STARE pathfinder mission 2011 ,		3
3	LSST camera optics design 2012 ,		2
2	Detection of biological particles in ambient air using bioaerosol mass spectrometry 2006 , 6218, 89		2
1	High-speed nuclear quality pulse height analyzer for synchrotron-based applications. <i>IEEE Transactions on Nuclear Science</i> , 2002 , 49, 1195-1198	1.7	2