

Vincent J Riot

List of Publications by Year in descending order

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22
papers

2,141
citations

1162889

8
h-index

940416

16
g-index

22
all docs

22
docs citations

22
times ranked

3744
citing authors

#	ARTICLE	IF	CITATIONS
1	LSST: From Science Drivers to Reference Design and Anticipated Data Products. <i>Astrophysical Journal</i> , 2019, 873, 111.	1.6	1,744
2	Single Particle X-ray Diffractive Imaging. <i>Nano Letters</i> , 2008, 8, 310-316.	4.5	229
3	Achieving High Detection Sensitivity (14 zmol) of Biomolecular Ions in Bioaerosol Mass Spectrometry. <i>Analytical Chemistry</i> , 2005, 77, 4734-4741.	3.2	41
4	Autonomous, Broad-Spectrum Detection of Hazardous Aerosols in Seconds. <i>Analytical Chemistry</i> , 2008, 80, 4583-4589.	3.2	25
5	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, 1866-1875.	1.2	22
6	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.	1.4	21
7	A Compact, Flexible, High Channel Count DAQ Built From Off-the-Shelf Components. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 2196-2202.	1.2	11
8	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.	0.5	10
9	Electro-optical testing of fully depleted CCD image sensors for the Large Synoptic Survey Telescope camera. <i>Proceedings of SPIE</i> , 2014, , .	0.8	6
10	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.	1.2	5
11	Optical payload for the STARE pathfinder mission. <i>Proceedings of SPIE</i> , 2011, , .	0.8	5
12	Characterization of ambient aerosols at the San Francisco International Airport using bioaerosol mass spectrometry. , 2006, 6218, 80.		4
13	Detection of biological particles in ambient air using bioaerosol mass spectrometry. , 2006, 6218, 89.		4
14	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.	1.8	4
15	LSST camera optics design. <i>Proceedings of SPIE</i> , 2012, , .	0.8	4
16	High-speed nuclear quality pulse height analyzer for synchrotron-based applications. <i>IEEE Transactions on Nuclear Science</i> , 2002, 49, 1195-1198.	1.2	3
17	The LSST camera corner raft conceptual design: a front-end for guiding and wavefront sensing. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
18	Update and image quality error budget for the LSST camera optical design. <i>Proceedings of SPIE</i> , 2010, , .	0.8	1

#	ARTICLE	IF	CITATIONS
19	Centroid precision as a function of total counts in a windowed CMOS image of a point source. Proceedings of SPIE, 2010, , .	0.8	0
20	LSST Telescope guider loop requirements analysis and predicted performance. , 2010, , .		0
21	The LSST camera instrument model. Proceedings of SPIE, 2012, , .	0.8	0
22	The guider and wavefront curvature sensor subsystem for the Large Synoptic Survey Telescope. Proceedings of SPIE, 2014, , .	0.8	0