Andrew J Weinert

List of Publications by Year
in descending order

31 papers	234 citations	2148532 4 h-index	1762888 8 g-index
34 all docs	34 docs citations	34 times ranked	128 citing authors

#	Article	IF	Citations
1	Correlated Bayesian Model of Aircraft Encounters in the Terminal Area Given a Straight Takeoff or Landing. Aerospace, 2022, 9, 58.	1.1	5
2	Near Midair Collision Analog for Drones Based on Unmitigated Collision Risk. Journal of Air Transportation, 2022, 30, 37-48.	1.0	10
3	To Expedite Roadway Identification and Damage Assessment in LiDAR 3D Imagery for Disaster Relief Public Assistance. Infrastructures, 2022, 7, 39.	1.4	1
4	Demand and Capacity Modeling for Advanced Air Mobility. , 2021, , .		8
5	Applicability and Surrogacy of Uncorrelated Airspace Encounter Models at Low Altitudes. Journal of Air Transportation, 2021, 29, 137-141.	1.0	5
6	Benchmarking the Processing of Aircraft Tracks with Triples Mode and Self-Scheduling. , 2021, , .		1
7	Representative Small UAS Trajectories for Encounter Modeling. , 2020, , .		4
8	Method to Characterize Potential UAS Encounters Using Open Source Data. Aerospace, 2020, 7, 158.	1.1	0
9	Frequency of ADS-B Equipped Manned Aircraft Observed by the OpenSky Network. Proceedings (mdpi), 2020, 59, .	0.2	1
10	Video Testing at the FirstNet Innovation and Test Lab Using a Public Safety Dataset. IEEE Networking Letters, 2020, 2, 28-32.	1.5	1
11	Processing of Crowdsourced Observations of Aircraft in a High Performance Computing Environment. , 2020, , .		3
12	Three Quantitative Means to Remain Well Clear for Small UAS in the Terminal Area. , 2019, , .		7
13	Developing a Low Altitude Manned Encounter Model Using ADS-B Observations. , 2019, , .		8
14	AutoVAPS. , 2019, , .		13
15	An Evaluation of Airport Traffic Airspace Use by Terminal Airspace Class. , 2019, , .		1
16	Large Scale Organization and Inference of an Imagery Dataset for Public Safety. , 2019, , .		12
17	Leveraging sUAS for Infrastructure Network Exploration and Failure Isolation. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 93, 385-413.	2.0	4
18	Semantic Topic Analysis of Traffic Camera Images. , 2018, , .		1

#	Article	IF	Citations
19	Outreach to Define a Public Safety Communications Model For Broadband Cellular Video. , 2018, , .		3
20	New Computing Frontiers Enabled via Photovoltaic Fiber Energy Generation. , 2018, , .		0
21	Generating Representative Small UAS Trajectories using Open Source Data. , 2018, , .		10
22	Well-Clear Recommendation for Small Unmanned Aircraft Systems Based on Unmitigated Collision Risk. Journal of Air Transportation, 2018, 26, 113-122.	1.0	68
23	Cloud computing in tactical environments. , 2017, , .		9
24	A signals processing and big data framework for Monte Carlo aircraft encounters. , 2015, , .		3
25	Using open-source hardware to support disadvantaged communications. , 2015, , .		4
26	Designing public safety mobile applications for disconnected, interrupted, and low bandwidth communication environments. , 2013, , .		7
27	Enabling communications in disadvantage environments: An airborne remote communication (ARC) platform. , 2013, , .		2
28	A Reference Software Architecture to Support Unmanned Aircraft Integration in the National Airspace System. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 69, 41-55.	2.0	16
29	Extended Airspace Encounter Models for Unmanned Aircraft Sense and Avoid Safety Evaluation. , 2013, , .		2
30	Providing communication capabilities during disaster response: Airborne remote communication (ARC) platform. , 2012, , .		8
31	Efficiently Estimating Ambient Near Mid-Air Collision Risk for Unmanned Aircraft*. , 2010, , .		10