Jeremy Straub

List of Publications by Year
in descending order

278 papers	1,494 citations	567281 15 h-index	477307 29 g-index
284 all docs	284 docs citations	284 times ranked	887 citing authors

#	Article	IF	Citations
1	Initial Work on the Characterization of Additive Manufacturing (3D Printing) Using Software Image Analysis. Machines, 2015, 3, 55-71.	2.2	114
2	In search of technology readiness level (TRL) 10. Aerospace Science and Technology, 2015, 46, 312-320.	4.8	94
3	Utilizing in-situ resources and 3D printing structures for a manned Mars mission. Acta Astronautica, 2015, 107, 317-326.	3.2	89
4	Development of a Large, Low-Cost, Instant 3D Scanner. Technologies, 2014, 2, 76-95.	5.1	65
5	OpenOrbiter: A Low-Cost, Educational Prototype CubeSat Mission Architecture. Machines, 2013, 1, 1-32.	2.2	49
6	The open prototype for educational NanoSats: Fixing the other side of the small satellite cost equation. , 2013, , .		38
7	Unmanned aerial systems: Consideration of the use of force for law enforcement applications. Technology in Society, 2014, 39, 100-109.	9.4	35
8	Characterization of a Large, Low-Cost 3D Scanner. Technologies, 2015, 3, 19-36.	5.1	33
9	An Assessment of Educational Benefits from the OpenOrbiter Space Program. Education Sciences, 2013, 3, 259-278.	2.6	31
10	Classifying Fake News Articles Using Natural Language Processing to Identify In-Article Attribution as a Supervised Learning Estimator. , 2019, , .		31
11	A space-to-space microwave wireless power transmission experiential mission using small satellites. Acta Astronautica, 2014, 103, 193-203.	3.2	27
12	Evaluation of the Educational Impact of Participation Time in a Small Spacecraft Development Program. Education Sciences, 2014, 4, 141-154.	2.6	26
13	A Characterization of the Utility of Using Artificial Intelligence to Test Two Artificial Intelligence Systems. Computers, 2013, 2, 67-87.	3.3	25
14	Modeling Attack, Defense and Threat Trees and the Cyber Kill Chain, ATT&CK and STRIDE Frameworks as Blackboard Architecture Networks. , 2020, , .		25
15	Fast relocalization for visual odometry using binary features. , 2013, , .		21
16	Protection from â€˜Fake Newsâ€™: The Need for Descriptive Factual Labeling for Online Content. Future Internet, 2021, 13, 142.	3.8	18
17	A Blackboard-style decision-making system for multi-tier craft control and its evaluation. Journal of Experimental and Theoretical Artificial Intelligence, 2015, 27, 763-777.	2.8	16
18	Expert system gradient descent style training: Development of a defensible artificial intelligence technique. Knowledge-Based Systems, 2021, 228, 107275.	7.1	16

#	Article	IF	Citations
19	Integrating Model-Based Transmission Reduction into a multi-tier architecture. , 2013, , .		15
20	The Use of the Blackboard Architecture for a Decision Making System for the Control of Craft with Various Actuator and Movement Capabilities. , 2014, , .		15
21	An interconnected architecture for an emergency medical response unmanned aerial system. , 2017, , .		15
22	Model Based Data Transmission: Analysis of Link Budget Requirement Reduction. Communications and Network, 2012, 04, 278-287.	0.8	15
23	Concepts for 3D Printing-Based Self-Replicating Robot Command and Coordination Techniques. Machines, 2017, 5, 12.	2.2	14
24	A Pathway to Small Satellite Market Growth. Advances in Aerospace Science and Technology, 2016, 01, 14-20.	0.3	14
25	Consideration of the use of autonomous, non-recallable unmanned vehicles and programs as a deterrent or threat by state actors and others. Technology in Society, 2016, 44, 39-47.	9.4	13
26	An incremental and approximate local outlier probability algorithm for intrusion detection and its evaluation. Journal of Cyber Security Technology, 2017, 1, 75-87.	2.9	13
27	Engineering Methodology for Student-Driven CubeSats. Aerospace, 2019, 6, 54.	2.2	13
28	INCREASING NATIONAL SPACE ENGINEERING PRODUCTIVITY AND EDUCATIONAL OPPORTUNITIES VIA INTREPRENEURSHIP, ENTREPRENEURSHIP, AND INNOVATION. Technology and Innovation, 2013, 15, 211-226.	0.2	12
29	Machine learning performance validation and training using a â€˜perfectâ€™ expert system. MethodsX, 2021, 8, 101477.	1.6	12
30	Multi-Tier Exploration: An Architecture for Dramatically Increasing Mission ROI. , 2012, , .		11
31	A data collection decision-making framework for a multi-tier collaboration of heterogeneous orbital, aerial, and ground craft. Proceedings of SPIE, 2013, , .	0.8	11
32	Mutual assured destruction in information, influence and cyber warfare: Comparing, contrasting and combining relevant scenarios. Technology in Society, 2019, 59, 101177.	9.4	11
33	Attitudes towards Autonomous Data Collection and Analysis in the Planetary Science Community. Galaxies, 2013, 1, 44-64.	3.0	10
34	Student Expectations from Participating in a Small Spacecraft Development Program. Aerospace, 2014, 1, 18-30.	2.2	10
35	An expert system for the prediction of student performance in an initial computer science course. , 2017, , .		10
36	Analysis of the likelihood of quantum computing proliferation. Technology in Society, 2022, 68, 101880.	9.4	10

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37	Comparing the effect of pruning on a best path and a naïve-approach blackboard solver. International Journal of Automation and Computing, 2015, 12, 503-510.	4.5	9
38	Automated testing and quality assurance of 3D printing/3D printed hardware: Assessment for quality assurance and cybersecurity purposes. , 2016, , .		9
39	Identifying positioning-based attacks against 3D printed objects and the 3D printing process. , 2017, , .		9
40	CyberSecurity considerations for an interconnected self-driving car system of systems. , 2017, , .		9
41	Application of Model-Based Data Transmission Techniques to Gravitational Model Data. Journal of Data Analysis and Information Processing, 2013, 01, 46-57.	1.1	9
42	Orbit-to-ground Wireless Power Transfer test mission. , 2013, , .		8
43	Extending the Student Qualitative Undertaking Involvement Risk Model. Journal of Aerospace Technology and Management, 2014, 6, 333-352.	0.3	8
44	Design for an in-space 3D printer. Proceedings of SPIE, 2016, , .	0.8	8
45	Toward requirements engineering of cyber-physical systems: Modeling CubeSat. , 2016, , .		8
46	An internetworked self-driving car system-of-systems. , 2017, , .		8
47	Teaching software project management using project based learning (PBL) and group projects. , 2017, , .		8
48	Manually Classified Real and Fake News Articles. , 2019, , .		8
49	Evaluation of a Reputation Management Technique for Autonomous Vehicles. Future Internet, 2022, 14, 31.	3.8	8
50	Multi-Tier Planetary Exploration: A New Autonomous Control Paradigm. , 2012, , .		7
51	An open-source scheduler for small satellites. Proceedings of SPIE, 2013, , .	0.8	7
52	Does the use of space solar power for in-space activities really make sense: An updated economic assessment. Space Policy, 2015, 31, 21-26.	1.5	7
53	A Distributed Blackboard Approach Based Upon a Boundary Node Concept. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 82, 467-478.	3.4	7
54	An approach to detecting deliberately introduced defects and micro-defects in 3D printed objects. Proceedings of SPIE, 2017, , .	0.8	7

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55	Fusion of data from multiple sensors with model-based data analysis. , 2013, , .		6
56	Above the cloud computing: applying cloud computing principles to create an orbital services model. , 2013, , .		6
57	Space Solar Power Satellite Systems as a Service Provider of Electrical Power for Lunar Industries. , 2013, , .		6
58	Assessment of examinations in computer science doctoral education. Computer Science Education, 2014, 24, 25-70.	3.7	6
59	Extending the orbital services model beyond computing, communications and sensing. , 2014, , .		6
60	Command of a multi-tier robotic network with local decision-making capabilities. International Journal of Space Science and Engineering, 2014, 2, 225.	0.1	6
61	Assessing the Value of the OpenOrbiter Programâ€™s Research Experience for Undergraduates. SAGE Open, 2014, 4, 215824401455171.	1.7	6
62	Small Spacecraft Development Project-Based Learning. , 2017, , .		6
63	Genetic algorithm for flood detection and evacuation route planning. Proceedings of SPIE, 2017, , .	0.8	6
64	Physical security and cyber security issues and human error prevention for 3D printed objects: detecting the use of an incorrect printing material. , 2017, , .		6
65	3D printing cybersecurity: detecting and preventing attacks that seek to weaken a printed object by changing fill level. Proceedings of SPIE, 2017, , .	0.8	6
66	Assessment of Gradient Descent Trained Rule-Fact Network Expert System Multi-Path Training Technique Performance. Computers, 2021, 10, 103.	3.3	6
67	Evaluation of a Multi-Goal Solver for Use in a Blackboard Architecture. International Journal of Decision Support System Technology, 2014, 6, 1-13.	0.7	6
68	University Community Membersâ€™ Perceptions of Labels for Online Media. Future Internet, 2021, 13, 281.	3.8	6
69	Americansâ€™ Perspectives on Online Media Warning Labels. Behavioral Sciences (Basel, Switzerland), 2022, 12, 59.	2.1	6
70	Model-based software engineering for an imaging CubeSat and its extrapolation to other missions. , 2013, , .		5
71	Validating a UAV artificial intelligence control system using an autonomous test case generator. , 2013, , .		5
72	Characterization of Extended and Simplified Intelligent Water Drop (SIWD) Approaches and Their Comparison to the Intelligent Water Drop (IWD) Approach. , 2013, , .		5

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73	The use of 3D scanning for sporting applications. , 2015, , .		5
74	Automating maintenance for a one‑way transmitting blackboard system used for autonomous multi‑tier control. Expert Systems, 2016, 33, 518-530.	4.5	5
75	Autonomous navigation and control of unmanned aerial systems in the national airspace. , 2016, , .		5
76	Toward model-based requirement engineering tool support. , 2017, , .		5
77	Gradient descent training expert system. Software Impacts, 2021, 10, 100121.	1.4	5
78	Deceptive Online Content Detection Using Only Message Characteristics and a Machine Learning Trained Expert System. Sensors, 2021, 21, 7083.	3.8	5
79	A modern Blackboard Architecture implementation with external command execution capability. Software Impacts, 2022, 11, 100183.	1.4	5
80	Assessment of Factors Impacting the Perception of Online Content Trustworthiness by Age, Education and Gender. Societies, 2022, 12, 61.	1.5	5
81	Validating an artificial intelligence human proximity operations system with test cases. , 2013, , .		4
82	Space Solar Power as an Enabler for a Human Mission to Mars. , 2013, , .		4
83	Application of a Maritime Framework to Space: Deep Space Conflict and Warfare Scenario. Astropolitics, 2015, 13, 65-77.	0.5	4
84	An Intelligent Attitude Determination and Control System for a CubeSat Class Spacecraft. , 2015, , .		4
85	Using deep learning to detect network intrusions and malware in autonomous robots. , 2017, , .		4
86	Testing automation for an intrusion detection system. , 2017, , .		4
87	Automated testing of a self-driving vehicle system. , 2017, , .		4
88	Anti-Drone and Anti-Autonomy: Achieving Drone Control via System Logic Analysis. , 2019, , .		4
89	Self-Reconfiguring Modular Robot Learning for Lower-Cost Space Applications. , 2019, , .		4
90	Defining, evaluating, preparing for and responding to a cyber Pearl Harbor. Technology in Society, 2021, 65, 101599.	9.4	4

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91	Fake news identification: a comparison of parts-of-speech and N-grams with neural networks. , 2019, , .		4
92	A Design for Inspiring Students with Near-Space Exploration. Journal of Aviation/Aerospace Education & Research, 0, , .	0.0	4
93	Distributed Attack Deployment Capability for Modern Automated Penetration Testing. Computers, 2022, 11, 33.	3.3	4
94	Earth impactors: threat analysis and multistage intervention mission architecture. , 2012, , .		3
95	A comparison of techniques for super-resolution evaluation. Proceedings of SPIE, 2012, , .	0.8	3
96	Sensor and computing resource management for a small satellite. , 2013, , .		3
97	A Human Proximity Operations System test case validation approach. , 2013, , .		3
98	A Novel Deployable Array Architecture for Micro to Full Sized Satellites. , 2014, , .		3
99	Swarm intelligence, a Blackboard architecture and local decision making for spacecraft command. , 2015, , .		3
100	The OpenOrbiter CubeSat as a system-of-systems (SoS) and how SoS engineering (SoSE) Aids CubeSat design. , 2015, , .		3
101	Analysis of the acceptance of autonomous planetary science data collection by field of inquiry. Advances in Space Research, 2015, 55, 2708-2718.	2.6	3
102	Development of origami-style solar panels for use in support of a Mars mission. Proceedings of SPIE, 2016, , .	0.8	3
103	Consideration of the versatility of the Open Prototype for Educational NanoSats CubeSat design. , 2016, , .		3
104	A combined system for 3D printing cybersecurity. Proceedings of SPIE, 2017, , .	0.8	3
105	Zone based hybrid approach for clustering and data collection in wireless sensor networks. , 2017, , .		3
106	An interconnected network of UAS as a system-of-systems. , 2017, , .		3
107	Cybersecurity: A New Open Access Journal. Journal of Cybersecurity and Privacy, 2018, 1, 1.	3.9	3
108	Autonomous Distributed Electronic Warfare System of Systems. , 2019, , .		3

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109	CubeSats and Small Satellites. International Journal of Aerospace Engineering, 2019, 2019, 1-3.	0.9	3
110	Human face images from multiple perspectives with lighting from multiple directions with no occlusion, glasses and hat. Data in Brief, 2019, 22, 522-529.	1.0	3
111	Evaluating the Use of Technology Readiness Levels (TRLs) for Cybersecurity Systems. , 2021, , .		3
112	An Expert System for the Prediction of Student Performance in an Initial Computer Science Course (Abstract Only). , 2016, , .		3
113	Evaluation of algorithms for fake news identification. , 2019, , .		3
114	Small satellites with micro-propulsion for communications with the Lunar South Pole Aitkens Basin. , 2013, , .		2
115	Building space operations resiliency with a multi-tier mission architecture. , 2014, , .		2
116	Intelligent water drops for aerospace and defense applications. , 2014, , .		2
117	Evaluation of high-altitude balloons as a learning technology. International Journal of Learning Technology, 2015, 10, 94.	0.2	2
118	In Search of Standards for the Operation of Small Satellites. , 2015, , .		2
119	A very low-cost 3D scanning system for whole-body imaging. , 2015, , .		2
120	A virtual pixel software and hardware technology to increase projector resolution. Proceedings of SPIE, 2015, , .	0.8	2
121	Using a constellation of CubeSats for in-space optical 3D scanning. , 2015, , .		2
122	An overview of the OpenOrbiter autonomous operating software. , 2015, , .		2
123	Cybersecurity for aerospace autonomous systems. Proceedings of SPIE, 2015, , .	0.8	2
124	Impact of lighting and attire on 3D scanner performance. Proceedings of SPIE, 2015, , .	0.8	2
125	OpenOrbiter Mechanical Design: a New Approach to the Design of a 1-U CubeSat. , 2015, , .		2
126	Results from the First National Survey of Student Outcomes from Small Satellite Program Participation. , 2015, , .		2

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127	A CubeSat deployable solar panel system. Proceedings of SPIE, 2016, , .	0.8	2
128	Alignment issues, correlation techniques and their assessment for a visible light imaging-based 3D printer quality control system. , 2016, , .		2
129	Evaluation of the use of laser scanning to create key models for 3D printing separate from and augmenting visible light sensing. , 2016, , .		2
130	Characterization of internal geometry / covered surface defects with a visible light sensing system. , 2016, , .		2
131	An update on the OpenOrbiter I mission. , 2017, , .		2
132	Development and Design Evolution of an In-Space 3D Printer. , 2017, , .		2
133	A CubeSat Test Mission to Advance In-Space 3D-Printing. , 2017, , .		2
134	Correlated lip motion and voice audio data. Data in Brief, 2018, 21, 856-860.	1.0	2
135	Towards an Influence Model for Cybersecurity and Information Warfare. , 2018, , .		2
136	Developing a Framework for Autonomous Control Software for a Human Colony on Mars. , 2019, , .		2
137	Simulation and Analysis of Self-Replicating Robot Decision-Making Systems. Computers, 2021, 10, 9.	3.3	2
138	Development of a 'fake news' machine learning classifier and a dataset for its testing. , 2019, , .		2
139	Assessment of the comparative efficiency of <scp>software‐based</scp> Boolean, electronic, <scp>software‐based</scp> fractional value and simplified quantum principal expert systems. Expert Systems, 2022, 39, .	4.5	2
140	Software Engineering: The First Line of Defense for Cybersecurity. , 2020, , .		2
141	A Pathfinding Algorithm for Lowering Infection Exposure of Healthcare Personnel Working in Makeshift Hospitals. Healthcare (Switzerland), 2022, 10, 344.	2.0	2
142	Implementation of Hardware-Based Expert Systems and Comparison of Their Performance to Software-Based Expert Systems. Machines, 2021, 9, 361.	2.2	2
143	Assessment of Consumer Perception of Online Content Label Efficacy by Income Level, Party Affiliation and Online Use Levels. Information (Switzerland), 2022, 13, 252.	2.9	2
144	Evaluation and comparison of Dempster-Shafer, weighted Dempster-Shafer, and probability techniques in decision making. Proceedings of SPIE, 2011, , .	0.8	1

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145	Robotic disaster recovery efforts with ad-hoc deployable cloud computing. , 2013, , .		1
146	Difference modeling enhancement of topographic super-resolution. , 2013, , .		1
147	Comparing the Blackboard Architecture and Intelligent Water Drops for Spacecraft Cluster Control. , 2014, , .		1
148	Detection of obscured and partially covered objects using partial network matching and an image feature network-based object recognition algorithm. , 2014, , .		1
149	Evaluation and prioritization of scientific data based on its level of support or refutation of an experimental thesis. , 2014, , .		1
150	A Comparison of Learning Technologies for Teaching Spacecraft Software Development. Journal of Educational Technology Systems, 2014, 42, 417-446.	5.8	1
151	Detection of small targets and their characterization based on their formation using an image feature network-based object recognition algorithm. Proceedings of SPIE, 2014, , .	0.8	1
152	Data storage management in a distributed database with deterministic limited communications windows between data storage nodes. , 2014, , .		1
153	The use of a low-cost visible light 3D scanner to create virtual reality environment models of actors and objects. , 2015, , .		1
154	Using a blackboard architecture or expert system to identify obfuscated targets from symptoms. Proceedings of SPIE, 2015, , .	0.8	1
155	A virtual pixel technology to enhance the resolution of monitors and for other purposes. , 2015, , .		1
156	Characterization of 3D printing output using an optical sensing system. Proceedings of SPIE, 2015, , .	0.8	1
157	Liability in UAV / UAS operations: Consideration of who should bear the cost of damages in UAV / UAS accidents. , 2015, , .		1
158	Image enhancement using hierarchical Bayesian image expansion super resolution. Proceedings of SPIE, 2015, , .	0.8	1
159	Accelerated stress & reliability testing for software and cyber-physical systems. , 2016, , .		1
160	DeSCJOB: the deep space cam joined observation bot. Proceedings of SPIE, 2016, , .	0.8	1
161	Consideration of techniques to mitigate the unauthorized 3D printing production of keys. , 2016, , .		1
162	Evaluation of the use of 3D printing and imaging to create working replica keys. Proceedings of SPIE, 2016, , .	0.8	1

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163	Consideration of the use of origami-style solar panels for use on a terrestrial/orbital wireless power generation and transmission spacecraft. Proceedings of SPIE, 2016, , .	0.8	1
164	Applications of a dynamic tethering system to enable the deep space cam jointed observation bot. Proceedings of SPIE, 2016, , .	0.8	1
165	Implementation of a large solar collector for electric charge generation. , 2016, , .		1
166	Cybersecurity methodology for a multi-tier mission and its application to multiple mission paradigms. , 2016, , .		1
167	An autonomous satellite debris avoidance system. , 2016, , .		1
168	Evaluation of the use of 3D printing and imaging to create working replica keys. , 2016, , .		1
169	Powering an in-space 3D printer using solar light energy. Proceedings of SPIE, 2016, , .	0.8	1
170	An energy-efficient and secure hybrid algorithm for wireless sensor networks using a mobile data collector. , 2017, , .		1
171	Analysis of a space debris laser removal system. , 2017, , .		1
172	Using supervised learning to compensate for high latency in planetary exploration. , 2017, , .		1
173	Characterization of command software for an autonomous attitude determination and control system for spacecraft. International Journal of Computers and Applications, 2017, 39, 198-209.	1.3	1
174	Analysis of student characteristics and feeling of efficacy in a first undergraduate artificial intelligence course. , 2017, , .		1
175	Development and testing of an intrusion detection system for unmanned aerial systems. , 2017, , .		1
176	Cybersecurity Considerations for Image Pattern Recognition Applications. , 2018, , .		1
177	Introduction of a Maritime Model for Cyber and Information Warfare. , 2018, , .		1
178	An Interdiction Detection and Prevention System (IDPS) for Anti-Autonomy Attack Repulsion. , 2019, , .		1
179	Secure Satellite Database Transmission. , 2019, , .		1
180	Human Male Body Images from Multiple Perspectives with Multiple Lighting Settings. Data, 2019, 4, 3.	2.3	1

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181	A Dataset for Comparing Mirrored and Non-Mirrored Male Bust Images for Facial Recognition. Data, 2019, 4, 26.	2.3	1
182	Requirements Modeling Language and Automated Testing for CubeSats. , 2019, , .		1
183	Introducing & Evaluating â€˜Nutrition Factsâ€™ for Online Content. , 2020, , .		1
184	Anti-Drone Capabilities: Using a Quality Assurance Technology to Identify Exploitable UAV Weaknesses. , 2021, , .		1
185	Impact of techniques to reduce error in high error rule-based expert system gradient descent networks. Journal of Intelligent Information Systems, 2022, 58, 481-512.	3.9	1
186	Towards Operating Standards for Cube Satellites and Small Spacecraft. Astropolitics, 2017, 15, 77-95.	0.5	1
187	Effects of international trafficking in arms regulations changes. Communications of the ACM, 2016, 60, 39-41.	4.5	1
188	Why Start a Small Spacecraft Program. , 2017, , 21-35.		1
189	Reducing space sensing and other mission cost with 3D printing infill optimization. , 2019, , .		1
190	Evaluation of Elements of a Prospective System to Alert Users to Intentionally Deceptive Content. , 2020, , .		1
191	Analysis of the Necessity of Quantum Computing Capacity Development for National Defense and Homeland Security. , 2021, , .		1
192	Determining the Impact of Cybersecurity Failures During and Attributable to Pandemics and Other Emergency Situations. , 2020, , .		1
193	Consideration of the Use of Smart Grid Cyberattacks as an Influence Attack and Appropriate Deterrence. , 2021, , .		1
194	Super-resolution terrain map enhancement for navigation based on satellite imagery. Proceedings of SPIE, 2012, , .	0.8	0
195	Autonomous Ground Exploration Techniques for Craft with Limited Positioning and Sensing Capabilities. , 2012, , .		0
196	A feedback-trained autonomous control system for heterogeneous search and rescue applications. Proceedings of SPIE, 2012, , .	0.8	0
197	Exposing multiple User-Specific Data Denominated Products from a single small satellite data stream. , 2013, , .		0
198	An onboard computing system design for a remote sensing cubesat. Proceedings of SPIE, 2013, , .	0.8	0

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199	A Curriculum-Integrated Small Spacecraft Program for Interdisciplinary Education. , 2013, , .		0
200	Using artificial intelligence for automating testing of a resident space object collision avoidance system on an orbital spacecraft. , 2014, , .		0
201	Automating software design and configuration for a small spacecraft. Proceedings of SPIE, 2014, , .	0.8	0
202	Portability scenarios for intelligent robotic control agent software. , 2014, , .		0
203	Above the cloud computing orbital services distributed data model. Proceedings of SPIE, 2014, , .	0.8	0
204	Application of an image feature network-based object recognition algorithm to aircraft detection and classification. , 2014, , .		0
205	The use of 3D printing to enable high altitude balloon missions. , 2014, , .		0
206	Profile-based autonomous data feeding: an approach to the information retrieval problem in a high communications latency environment. Proceedings of SPIE, 2014, , .	0.8	0
207	A Variety of Configurations for Incorporating Actuation Components into the Structural Members of a CubeSat. , 2014, , .		0
208	A Two-Phase Development and Validation Plan for North Dakotaâ€™s First Spacecraft. , 2014, , .		0
209	Impact of a revised standard for best practices for academic, governmental and industrial ground station scheduling and communications design. , 2014, , .		0
210	A model-based multisensor data fusion knowledge management approach. Proceedings of SPIE, 2014, , .	0.8	0
211	Integrating visible light 3D scanning into the everyday world. , 2015, , .		0
212	Use of open space box: supporting tele-medicine in space through efficient data transmission. , 2015, , .		0
213	Consideration of the use of visible light 3D scanning for prisoner contraband possession assessment and other similar purposes. , 2015, , .		0
214	Enhancing head and helmet-mounted displays using a virtual pixel technology. , 2015, , .		0
215	Intelligent Water Drops Algorithm for Coordinating Activities Between Cluster Spacecraft in a Communications-Denied Environment. , 2015, , .		0
216	Analysis of mutual assured destruction-like scenario with swarms of non-recallable autonomous robots. Proceedings of SPIE, 2015, , .	0.8	0

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217	Cybersecurity for aerospace autonomous systems. , 2015, , .		0
218	Nanosatellite scheduling using a dictionary module and a ‘useful trick’ with coded unsigned integers. , 2015, , .		0
219	Analysis of a ‘turn-key’ no hardware space mission using the orbital services model. , 2015, , .		0
220	Economic analysis of open space box model utilization in spacecraft. Proceedings of SPIE, 2015, , .	0.8	0
221	A suborbital IMU test mission. , 2015, , .		0
222	Characterization of UAV hover patterns in support of super resolution research. Proceedings of SPIE, 2015, , .	0.8	0
223	Pragmatic open space box utilization: asteroid survey model using distributed objects management based articulation (DOMBA). , 2015, , .		0
224	The use of 3D scanning for wellness assessment purposes. Proceedings of SPIE, 2015, , .	0.8	0
225	Open Space Box: communication to support Big Data in orbit. , 2015, , .		0
226	A Bent-Pipe Microwave Wireless Power Transfer Spacecraft for Relay to Unserved Regions. , 2015, , .		0
227	Small satellite communications security and student learning in the development of ground station software. , 2015, , .		0
228	A Martian Technology Demonstration Mission and Subsequent Human Mission Support Use for a Space Solar Power Wireless Power Transfer System. , 2015, , .		0
229	A very low-cost system for capturing 3D motion scans with color and texture data. , 2015, , .		0
230	Design and Implementation of Satellite Software to Facilitate Future CubeSat Development. , 2015, , .		0
231	Utilizing a Solar Panel Array Architecture to Support Work on Space Solar Power. , 2015, , .		0
232	Expansion of uses for an adaptive attitude determanation and control system. , 2016, , .		0
233	Enablement of scientific remote sensing missions with in-space 3D printing. Proceedings of SPIE, 2016, , .	0.8	0
234	Evaluation of the durability of 3D printed keys produced by computational processing of image data. , 2016, , .		0

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235	Enablement of defense missions with in-space 3D printing. Proceedings of SPIE, 2016, , .	0.8	0
236	The development of a simulation environment for testing of a multi-tier mission command architecture. , 2016, , .		0
237	Comparison of the impact of different key types on ease of imaging and printing for replica key production. Proceedings of SPIE, 2016, , .	0.8	0
238	An aerial 3D printing test mission. Proceedings of SPIE, 2016, , .	0.8	0
239	Enabling homeland security missions with in-space 3D printing. Proceedings of SPIE, 2016, , .	0.8	0
240	The Implementation of â€˜App on Demandâ€™ Functionality for CubeSats and Other Small Satellites and Its Application to Educational Applications. , 2017, , .		0
241	Development of Command and Control Software for an In-Space 3D Printer and Small Satellite Test Mission. , 2017, , .		0
242	Summative Assessment. , 2017, , 151-173.		0
243	Consideration of materials for creating 3D printed space sensors and systems. , 2017, , .		0
244	CubeSat mechanical design: creating low mass and durable structures. , 2017, , .		0
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