

# Donald E Brown

## List of Publications by Year in descending order

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84  
papers

2,009  
citations

516710

16  
h-index

289244

40  
g-index

86  
all docs

86  
docs citations

86  
times ranked

1606  
citing authors

#	ARTICLE	IF	CITATIONS
1	Data Pipeline for Digitizing Perioperative Flowsheets from Low Middle Income Countries. , 2022, , .		0
2	Handwritten Text and Digit Classification on Rwandan Perioperative Flowsheets via YOLOv5. , 2022, , .		1
3	Deep Learning for Predicting Pediatric Crohn's Disease Using Histopathological Imaging. , 2022, , .		0
4	Deep learning systems detect dysplasia with human-like accuracy using histopathology and probe-based confocal laser endomicroscopy. Scientific Reports, 2021, 11, 5086.	3.3	12
5	Improving the Efficiency and Effectiveness of Multilingual Classification Methods for Sentiment Analysis. , 2021, , .		0
6	Su518 DEEP LEARNING ANALYSIS OF TISSUE EOSINOPHILIA MAY PREDICT TIME TO INITIATE BIOLOGIC THERAPY IN CHILDREN WITH ULCERATIVE COLITIS. Gastroenterology, 2021, 160, S-723.	1.3	0
7	Artificial Intelligenceâ€based Analytics for Diagnosis of Small Bowel Enteropathies and Black Box Feature Detection. Journal of Pediatric Gastroenterology and Nutrition, 2021, 72, 833-841.	1.8	7
8	Gender Detection on Social Networks Using Ensemble Deep Learning. Advances in Intelligent Systems and Computing, 2021, , 346-358.	0.6	6
9	Deep Learning Methods for Anatomical Landmark Detection in Video Capsule Endoscopy Images. Advances in Intelligent Systems and Computing, 2021, 1288, 426-434.	0.6	6
10	Artificial Intelligence Applied to Gastrointestinal Diagnostics. Journal of Pediatric Gastroenterology and Nutrition, 2020, 70, 4-11.	1.8	24
11	Deep Learning for Whole-Slide Tissue Histopathology Classification: A Comparative Study in the Identification of Dysplastic and Non-Dysplastic Barrettâ€™s Esophagus. Journal of Personalized Medicine, 2020, 10, 141.	2.5	19
12	Digitization of Perioperative Surgical Flowsheets. , 2020, , .		3
13	HMIC: Hierarchical Medical Image Classification, A Deep Learning Approach. Information (Switzerland), 2020, 11, 318.	2.9	33
14	A recurrent neural network approach to predicting hemoglobin trajectories in patients with End-Stage Renal Disease. Artificial Intelligence in Medicine, 2020, 104, 101823.	6.5	16
15	Diagnosis of Celiac Disease and Environmental Enteropathy on Biopsy Images Using Color Balancing on Convolutional Neural Networks. Advances in Intelligent Systems and Computing, 2020, 1069, 750-765.	0.6	6
16	Women in ISIS Propaganda: A Natural Language Processing Analysis of Topics and Emotions in a Comparison with a Mainstream Religious Group. Advances in Intelligent Systems and Computing, 2020, , 610-624.	0.6	7
17	Evaluating Statistical Models for Network Traffic Anomaly Detection. , 2019, , .		12
18	Study of Environmental Enteropathy and Malnutrition (SEEM) in Pakistan: protocols for biopsy based biomarker discovery and validation. BMC Pediatrics, 2019, 19, 247.	1.7	22

#	ARTICLE	IF	CITATIONS
19	The Evaluation of a Serious Game to Improve Cross-Cultural Competence. IEEE Transactions on Learning Technologies, 2019, 12, 429-441.	3.2	4
20	Long-term forecasting of fuel demand at theater entry points. International Journal of Forecasting, 2019, 35, 502-520.	6.5	2
21	Assessment of Machine Learning Detection of Environmental Enteropathy and Celiac Disease in Children. JAMA Network Open, 2019, 2, e195822.	5.9	35
22	Text Classification Algorithms: A Survey. Information (Switzerland), 2019, 10, 150.	2.9	819
23	Design and evaluation of an avatar-based cultural training system. Journal of Defense Modeling and Simulation, 2019, 16, 159-174.	1.7	3
24	CeliacNet: Celiac Disease Severity Diagnosis on Duodenal Histopathological Images Using Deep Residual Networks. , 2019, 2019, 962-967.		9
25	Characterizing an Academic Institution's Baseline Network for Anomaly Detection. , 2019, , .		0
26	MobiAmbulance: Optimal Scheduling of Emergency Vehicles in Catastrophic Situations. , 2019, , .		3
27	Deep Learning for Visual Recognition of Environmental Enteropathy and Celiac Disease. , 2019, , .		6
28	Duodenal Biopsies Classification and Understanding using Convolutional Neural Networks. AMIA Summits on Translational Science Proceedings, 2019, 2019, 453-461.	0.4	2
29	A transient stochastic simulationâ€“optimization model for operational fuel planning in-theater. European Journal of Operational Research, 2018, 264, 637-652.	5.7	5
30	EXPLORING GAZE BEHAVIOR TO ASSESS PERFORMANCE IN DIGITAL GAME-BASED LEARNING SYSTEMS. , 2018, , .		1
31	Privacy Preserving Distributed Deep Learning and Its Application in Credit Card Fraud Detection. , 2018, , .		14
32	Data-Science Analysis of the Macro-scale Features Governing the Corrosion to Crack Transition in AA7050-T7451. Jom, 2018, 70, 1168-1174.	1.9	9
33	RMDL. , 2018, , .		55
34	Social pressure analysis of local events using social media data. , 2018, , .		2
35	Comparing the Performance of an Immersive Virtual Reality and Traditional Desktop Cultural Game. , 2018, , .		9
36	Data retrieval for client projects: Matching data onto an ontology map to produce a relevance assessment. , 2016, , .		2

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37	Approach for mapping data to client projects. , 2016, , .		0
38	Extracting Addresses from News Reports Using Conditional Random Fields. , 2016, , .		2
39	Text Mining the Contributors to Rail Accidents. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 346-355.	8.0	87
40	Spatial and temporal analysis of sex crimes in Charlottesville, Virginia. , 2015, , .		5
41	Strategic Threat Probabilities with Hierarchical Spatiotemporal Predictions. IEEE Intelligent Systems, 2015, 30, 72-80.	4.0	0
42	Maintained Individual Data Distributed Likelihood Estimation (MIDDLE). Multivariate Behavioral Research, 2015, 50, 706-720.	3.1	17
43	Improving forecasts for noisy geographic time series. Journal of Business Research, 2015, 68, 1810-1818.	10.2	13
44	Preconditions and multilevel models in studying post-surgical adverse outcomes. Network Modeling Analysis in Health Informatics and Bioinformatics, 2015, 4, 1.	2.1	1
45	Measures of Entropy and Change Point Analysis as Predictors of Post-Surgical Adverse Outcomes. , 2014, , .		3
46	Time series forecasts and volatility measures as predictors of post-surgical death and kidney injury. , 2014, , .		5
47	Simulation optimization of police patrol districting plans using response surfaces. Simulation, 2014, 90, 687-705.	1.8	14
48	Automated prediction of adverse post-surgical outcomes. , 2014, , .		6
49	Police patrol districting method and simulation evaluation using agent-based model & GIS. Security Informatics, 2013, 2, .	2.5	32
50	Using discrete event simulation to evaluate time series forecasting methods for security applications. , 2013, , .		4
51	A comparison of evaluation methods for police patrol district designs. , 2013, , .		4
52	Random Forests on Ubiquitous Data for Heart Failure 30-Day Readmissions Prediction. , 2013, , .		20
53	Scalable and Locally Applicable Measures of Treatment Variation That Use Hospital Billing Data. , 2013, , .		0
54	Geographic Profiling of Criminal Groups for Military Cordon and Search. Lecture Notes in Computer Science, 2013, , 503-512.	1.3	0

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55	Evaluating infrastructure resource allocation in support of regional stability. International Journal of System of Systems Engineering, 2012, 3, 154.	0.5	2
56	Police patrol district design using agent-based simulation and GIS. , 2012, , .		5
57	Spatio-temporal modeling of criminal incidents using geographic, demographic, and twitter-derived information. , 2012, , .		49
58	The spatio-temporal modeling for criminal incidents. Security Informatics, 2012, 1, .	2.5	40
59	The spatio-temporal generalized additive model for criminal incidents. , 2011, , .		15
60	Future trends in business analytics and optimization. Intelligent Data Analysis, 2011, 15, 1001-1017.	0.9	7
61	Implementing and analyzing a data mart for the Arlington County initiative to manage Domestic Violence offenders. , 2010, , .		5
62	A Statistical Threat Assessment. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2009, 39, 1307-1315.	2.9	14
63	Introduction to Data Mining for Medical Informatics. Clinics in Laboratory Medicine, 2008, 28, 9-35.	1.4	20
64	Improving crime data sharing and analysis tools for a Web-based Crime Analysis Toolkit: WebCAT 2.2. , 2008, , .		6
65	A tool for systematically comparing the power of tests for normality. Journal of Statistical Computation and Simulation, 2008, 78, 623-638.	1.2	4
66	Global Optimization With Multivariate Adaptive Regression Splines. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 333-340.	5.0	51
67	A Crime Forecasting Tool for the Web-Based Crime Analysis Toolkit. , 2007, , .		6
68	Crime Incident Association with Consideration of Narrative Information. , 2007, , .		3
69	Detecting local regions of change in high-dimensional criminal or terrorist point processes. Computational Statistics and Data Analysis, 2007, 51, 2753-2768.	1.2	11
70	Discrete choice analysis of spatial attack sites. Information Systems and E-Business Management, 2007, 5, 255-274.	3.7	14
71	Uniform Crime Report "SuperClean" Data Cleaning Tool. , 2006, , .		1
72	An outlier-based data association method for linking criminal incidents. Decision Support Systems, 2006, 41, 604-615.	5.9	63

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73	Spatial analysis with preference specification of latent decision makers for criminal event prediction. Decision Support Systems, 2006, 41, 560-573.	5.9	51
74	Spatial Forecast Methods for Terrorist Events in Urban Environments. Lecture Notes in Computer Science, 2004, , 426-435.	1.3	33
75	Maneuver detection using the radar range rate measurement. IEEE Transactions on Aerospace and Electronic Systems, 2004, 40, 330-336.	4.7	41
76	Criminal incident prediction using a point-pattern-based density model. International Journal of Forecasting, 2003, 19, 603-622.	6.5	85
77	Data association methods with applications to law enforcement. Decision Support Systems, 2003, 34, 369-378.	5.9	60
78	Criminal Incident Data Association Using the OLAP Technology. Lecture Notes in Computer Science, 2003, , 13-26.	1.3	6
79	Data mining corrosion from eddy current non-destructive tests. Computers and Industrial Engineering, 2002, 43, 821-840.	6.3	16
80	Mining Preferences from Spatial-Temporal Data. , 2001, , .		9
81	Interactive analysis of computer crimes. Computer, 2000, 33, 69-77.	1.1	7
82	A Polynomial Induction Network Approach to Engineering Design. Journal of Engineering Design, 1997, 8, 191-204.	2.3	1
83	A classification approach to Boolean query reformulation. Journal of the Association for Information Science and Technology, 1997, 48, 694-706.	1.0	9
84	A correspondence principle for relative entropy minimization. Naval Research Logistics, 1990, 37, 191-202.	2.2	8