

Donald E Brown

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6769372/publications.pdf>

Version: 2024-02-01

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	Text Classification Algorithms: A Survey. Information (Switzerland), 2019, 10, 150.	2.9	819
2	Text Mining the Contributors to Rail Accidents. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 346-355.	8.0	87
3	Criminal incident prediction using a point-pattern-based density model. International Journal of Forecasting, 2003, 19, 603-622.	6.5	85
4	An outlier-based data association method for linking criminal incidents. Decision Support Systems, 2006, 41, 604-615.	5.9	63
5	Data association methods with applications to law enforcement. Decision Support Systems, 2003, 34, 369-378.	5.9	60
6	RMDL. , 2018, , .		55
7	Spatial analysis with preference specification of latent decision makers for criminal event prediction. Decision Support Systems, 2006, 41, 560-573.	5.9	51
8	Global Optimization With Multivariate Adaptive Regression Splines. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 333-340.	5.0	51
9	Spatio-temporal modeling of criminal incidents using geographic, demographic, and twitter-derived information. , 2012, , .		49
10	Maneuver detection using the radar range rate measurement. IEEE Transactions on Aerospace and Electronic Systems, 2004, 40, 330-336.	4.7	41
11	The spatio-temporal modeling for criminal incidents. Security Informatics, 2012, 1, .	2.5	40
12	Assessment of Machine Learning Detection of Environmental Enteropathy and Celiac Disease in Children. JAMA Network Open, 2019, 2, e195822.	5.9	35
13	Spatial Forecast Methods for Terrorist Events in Urban Environments. Lecture Notes in Computer Science, 2004, , 426-435.	1.3	33
14	HMIC: Hierarchical Medical Image Classification, A Deep Learning Approach. Information (Switzerland), 2020, 11, 318.	2.9	33
15	Police patrol districting method and simulation evaluation using agent-based model & GIS. Security Informatics, 2013, 2, .	2.5	32
16	Artificial Intelligence Applied to Gastrointestinal Diagnostics. Journal of Pediatric Gastroenterology and Nutrition, 2020, 70, 4-11.	1.8	24
17	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
18	Introduction to Data Mining for Medical Informatics. Clinics in Laboratory Medicine, 2008, 28, 9-35.	1.4	20

#	ARTICLE	IF	CITATIONS
19	Random Forests on Ubiquitous Data for Heart Failure 30-Day Readmissions Prediction. , 2013, , .		20
20	Deep Learning for Whole-Slide Tissue Histopathology Classification: A Comparative Study in the Identification of Dysplastic and Non-Dysplastic Barrett's Esophagus. Journal of Personalized Medicine, 2020, 10, 141.	2.5	19
21	Maintained Individual Data Distributed Likelihood Estimation (MIDDLE). Multivariate Behavioral Research, 2015, 50, 706-720.	3.1	17
22	Data mining corrosion from eddy current non-destructive tests. Computers and Industrial Engineering, 2002, 43, 821-840.	6.3	16
23	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
24	The spatio-temporal generalized additive model for criminal incidents. , 2011, , .		15
25	Discrete choice analysis of spatial attack sites. Information Systems and E-Business Management, 2007, 5, 255-274.	3.7	14
26	A Statistical Threat Assessment. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2009, 39, 1307-1315.	2.9	14
27	Simulation optimization of police patrol districting plans using response surfaces. Simulation, 2014, 90, 687-705.	1.8	14
28	Privacy Preserving Distributed Deep Learning and Its Application in Credit Card Fraud Detection. , 2018, , .		14
29	Improving forecasts for noisy geographic time series. Journal of Business Research, 2015, 68, 1810-1818.	10.2	13
30	Evaluating Statistical Models for Network Traffic Anomaly Detection. , 2019, , .		12
31	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
32	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
33	A classification approach to Boolean query reformulation. Journal of the Association for Information Science and Technology, 1997, 48, 694-706.	1.0	9
34	Mining Preferences from Spatial-Temporal Data. , 2001, , .		9
35	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
36	CeliacNet: Celiac Disease Severity Diagnosis on Duodenal Histopathological Images Using Deep Residual Networks. , 2019, 2019, 962-967.		9

#	ARTICLE	IF	CITATIONS
37	Comparing the Performance of an Immersive Virtual Reality and Traditional Desktop Cultural Game. , 2018, , .		9
38	A correspondence principle for relative entropy minimization. Naval Research Logistics, 1990, 37, 191-202.	2.2	8
39	Interactive analysis of computer crimes. Computer, 2000, 33, 69-77.	1.1	7
40	Future trends in business analytics and optimization. Intelligent Data Analysis, 2011, 15, 1001-1017.	0.9	7
41	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
42	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
43	A Crime Forecasting Tool for the Web-Based Crime Analysis Toolkit. , 2007, , .		6
44	Improving crime data sharing and analysis tools for a Web-based Crime Analysis Toolkit: WebCAT 2.2. , 2008, , .		6
45	Automated prediction of adverse post-surgical outcomes. , 2014, , .		6
46	Deep Learning for Visual Recognition of Environmental Enteropathy and Celiac Disease. , 2019, , .		6
47	Criminal Incident Data Association Using the OLAP Technology. Lecture Notes in Computer Science, 2003, , 13-26.	1.3	6
48	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
49	Gender Detection on Social Networks Using Ensemble Deep Learning. Advances in Intelligent Systems and Computing, 2021, , 346-358.	0.6	6
50	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
51	Implementing and analyzing a data mart for the Arlington County initiative to manage Domestic Violence offenders. , 2010, , .		5
52	Police patrol district design using agent-based simulation and GIS. , 2012, , .		5
53	Time series forecasts and volatility measures as predictors of post-surgical death and kidney injury. , 2014, , .		5
54	Spatial and temporal analysis of sex crimes in Charlottesville, Virginia. , 2015, , .		5

#	ARTICLE	IF	CITATIONS
55	A transient stochastic simulationâ€“optimization model for operational fuel planning in-theater. European Journal of Operational Research, 2018, 264, 637-652.	5.7	5
56	A tool for systematically comparing the power of tests for normality. Journal of Statistical Computation and Simulation, 2008, 78, 623-638.	1.2	4
57	Using discrete event simulation to evaluate time series forecasting methods for security applications. , 2013, , .		4
58	A comparison of evaluation methods for police patrol district designs. , 2013, , .		4
59	The Evaluation of a Serious Game to Improve Cross-Cultural Competence. IEEE Transactions on Learning Technologies, 2019, 12, 429-441.	3.2	4
60	Crime Incident Association with Consideration of Narrative Information. , 2007, , .		3
61	Measures of Entropy and Change Point Analysis as Predictors of Post-Surgical Adverse Outcomes. , 2014, , .		3
62	Design and evaluation of an avatar-based cultural training system. Journal of Defense Modeling and Simulation, 2019, 16, 159-174.	1.7	3
63	MobiAmbulance: Optimal Scheduling of Emergency Vehicles in Catastrophic Situations. , 2019, , .		3
64	Digitization of Perioperative Surgical Flowsheets. , 2020, , .		3
65	Evaluating infrastructure resource allocation in support of regional stability. International Journal of System of Systems Engineering, 2012, 3, 154.	0.5	2
66	Data retrieval for client projects: Matching data onto an ontology map to produce a relevance assessment. , 2016, , .		2
67	Extracting Addresses from News Reports Using Conditional Random Fields. , 2016, , .		2
68	Social pressure analysis of local events using social media data. , 2018, , .		2
69	Long-term forecasting of fuel demand at theater entry points. International Journal of Forecasting, 2019, 35, 502-520.	6.5	2
70	Duodenal Biopsies Classification and Understanding using Convolutional Neural Networks. AMIA Summits on Translational Science Proceedings, 2019, 2019, 453-461.	0.4	2
71	A Polynomial Induction Network Approach to Engineering Design. Journal of Engineering Design, 1997, 8, 191-204.	2.3	1
72	Uniform Crime Report "SuperClean" Data Cleaning Tool. , 2006, , .		1

#	ARTICLE	IF	CITATIONS
73	Preconditions and multilevel models in studying post-surgical adverse outcomes. Network Modeling Analysis in Health Informatics and Bioinformatics, 2015, 4, 1.	2.1	1
74	EXPLORING GAZE BEHAVIOR TO ASSESS PERFORMANCE IN DIGITAL GAME-BASED LEARNING SYSTEMS. , 2018, , .		1
75	Handwritten Text and Digit Classification on Rwandan Perioperative Flowsheets via YOLOv5. , 2022, , .		1
76	Scalable and Locally Applicable Measures of Treatment Variation That Use Hospital Billing Data. , 2013, , .		0
77	Strategic Threat Probabilities with Hierarchical Spatiotemporal Predictions. IEEE Intelligent Systems, 2015, 30, 72-80.	4.0	0
78	Approach for mapping data to client projects. , 2016, , .		0
79	Characterizing an Academic Institution's Baseline Network for Anomaly Detection. , 2019, , .		0
80	Improving the Efficiency and Effectiveness of Multilingual Classification Methods for Sentiment Analysis. , 2021, , .		0
81	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
82	Geographic Profiling of Criminal Groups for Military Cordon and Search. Lecture Notes in Computer Science, 2013, , 503-512.	1.3	0
83	Data Pipeline for Digitizing Perioperative Flowsheets from Low Middle Income Countries. , 2022, , .		0
84	Deep Learning for Predicting Pediatric Crohn's Disease Using Histopathological Imaging. , 2022, , .		0