

# D Frank Hsu

## List of Publications by Year in descending order

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68  
papers

1,083  
citations

623734  
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454955  
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docs citations

71  
times ranked

660  
citing authors

#	ARTICLE	IF	CITATIONS
1	Trustworthy Target Tracking With Collaborative Deep Reinforcement Learning in EdgeAI-Aided IoT. IEEE Transactions on Industrial Informatics, 2022, 18, 1301-1309.	11.3	36
2	Improving SDG Classification Precision Using Combinatorial Fusion. Sensors, 2022, 22, 1067.	3.8	1
3	Ranks underlie outcome of combining classifiers: Quantitative roles for and. Patterns, 2022, 3, 100415.	5.9	4
4	Multi-Layer Combinatorial Fusion Using Cognitive Diversity. IEEE Access, 2021, 9, 3919-3935.	4.2	9
5	Improving Data and Prediction Quality of High-Throughput Perovskite Synthesis with Model Fusion. Journal of Chemical Information and Modeling, 2021, 61, 1593-1602.	5.4	10
6	Improving SDG Classification Precision of Topic Models with Combinatorial Fusion Algorithm. , 2021, , .		0
7	Human Cognition and Hyper Intelligence. , 2021, , .		1
8	Cognitive Diversity: A Measurement of Dissimilarity Between Multiple Scoring Systems. Journal of Interconnection Networks, 2019, 19, 1940001.	1.0	8
9	Predication of NCAA Bracket Using Recurrent Neural Network and Combinatorial Fusion. , 2018, , .		0
10	Long-Term Portfolio Management Using Attribute Selection and Combinatorial Fusion. , 2018, , .		2
11	Preference Prediction Based on Eye Movement Using Multi-layer Combinatorial Fusion. Lecture Notes in Computer Science, 2018, , 282-293.	1.3	5
12	Vertical Handoff Decision Using Fuzzification and Combinatorial Fusion. IEEE Communications Letters, 2017, 21, 2089-2092.	4.1	22
13	Region based containers “A new paradigm for the analysis of fault tolerant networks. , 2017, , .		0
14	A Comparative Study of Algorithm for Computing Strongly Connected Components. , 2017, , .		4
15	D-FS: A Novel Integration Method of Discretization and Feature Selection. , 2017, , .		0
16	Combining multiple algorithms for portfolio management using combinatorial fusion. , 2017, , .		3
17	Detecting preferences based on eye movement using combinatorial fusion. , 2016, , .		6
18	A feature selection framework based on supervised data clustering. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	Improved Combination of Multiple Retrieval Systems Using a Dynamic Combinatorial Fusion Algorithm. , 2016, , .		0
20	The diversity rank-score function for combining human visual perception systems. Brain Informatics, 2016, 3, 63-72.	3.0	6
21	Cybersecurity: Toward a Secure and Sustainable Cyber Ecosystem. Computer, 2015, 48, 12-14.	1.1	5
22	On the combination of two visual cognition systems using combinatorial fusion. Brain Informatics, 2015, 2, 21-32.	3.0	14
23	An information-theoretic feature selection method based on estimation of Markov blanket. , 2015, , .		3
24	Joint decision-making on two visual perception systems. , 2014, , .		0
25	When to Combine Two Visual Cognition Systems. , 2014, , .		0
26	Cognitive diversity in perceptive informatics and affective computing. , 2013, , .		1
27	COMBINATION OF MULTIPLE FEATURE SELECTION METHODS FOR TEXT CATEGORIZATION BY USING COMBINATORIAL FUSION ANALYSIS AND RANK-SCORE CHARACTERISTIC. International Journal on Artificial Intelligence Tools, 2013, 22, 1350001.	1.0	18
28	Feature fusion for mobile usage prediction using rank-score characteristics. , 2013, , .		4
29	COMPARING SYSTEM SELECTION METHODS FOR THE COMBINATORIAL FUSION OF MULTIPLE RETRIEVAL SYSTEMS. Journal of Interconnection Networks, 2013, 14, 1350003.	1.0	2
30	Music retrieval by singing and humming using information fusion. , 2013, , .		0
31	Sensor Feature Selection and Combination for Stress Identification Using Combinatorial Fusion. International Journal of Advanced Robotic Systems, 2013, 10, 306.	2.1	37
32	COMBINING MULTIPLE SENSOR FEATURES FOR STRESS DETECTION USING COMBINATORIAL FUSION. Journal of Interconnection Networks, 2012, 13, 1250008.	1.0	5
33	A Comparative Study on the Combination of Multiple Retrieval Systems. , 2012, , .		0
34	ChIP-Seq Analytics: Methods and Systems to Improve ChIP-Seq Peak Identification. , 2012, , 87-112.		4
35	Combination of Multiple Retrieval Systems Using Rank-Score Function and Cognitive Diversity. , 2012, , .		4
36	Feature Selection and Combination for Stress Identification Using Correlation and Diversity. , 2012, , .		10

#	ARTICLE	IF	CITATIONS
37	Product Design Parameters Optimization Using Constrained Mixture Design and Combinatorial Fusion Analysis. , 2012, , .		0
38	Perspectives on eBrain and Cognitive Computing. International Journal of Cognitive Informatics and Natural Intelligence, 2012, 6, 1-21.	0.4	19
39	Combining Multiple Retrieval Systems Using Combinatorial Fusion Analysis and Rank-Score Characteristic Function. , 2011, , .		2
40	Joint decision making in visual cognition using Combinatorial Fusion Analysis. , 2011, , .		9
41	Performance evaluation of classifier ensembles in terms of diversity and performance of individual systems. International Journal of Pervasive Computing and Communications, 2010, 6, 373-403.	1.3	7
42	The construction of mutually independent Hamiltonian cycles in bubble-sort graphs. International Journal of Computer Mathematics, 2010, 87, 2212-2225.	1.8	7
43	Rank-Score Characteristics (RSC) Function and Cognitive Diversity. Lecture Notes in Computer Science, 2010, , 42-54.	1.3	47
44	Microarray Gene Expression Analysis Using Combinatorial Fusion. , 2009, , .		6
45	Combining multiple scoring systems for target tracking using rank-score characteristics. Information Fusion, 2009, 10, 124-136.	19.1	53
46	Combining Multiple Feature Selection Methods for Text Categorization by Using Rank-Score Characteristics. , 2009, , .		21
47	Simulating an Automated System (SAS) for Merging Medical Vocabularies. , 2009, , .		0
48	Genetic Information Gathering System (GIGS): A New Meta-search Network Tool. , 2009, , .		0
49	Fat H-Tree: A Cost-Efficient Tree-Based On-Chip Network. IEEE Transactions on Parallel and Distributed Systems, 2009, 20, 1126-1141.	5.6	18
50	Analysis of Autism Prevalence and Neurotoxins Using Combinatorial Fusion and Association Rule Mining. , 2009, , .		10
51	Mutually Independent Hamiltonianicity of Pancake Graphs and Star Graphs. Parallel Architectures, Algorithms and Networks (I-SPAN), Proceedings of the International Symposium on, 2008, , .	0.0	2
52	On the Relationships Among Various Diversity Measures in Multiple Classifier Systems. Parallel Architectures, Algorithms and Networks (I-SPAN), Proceedings of the International Symposium on, 2008, , .	0.0	10
53	Selection of fusion operations using rank-score diversity for robot mapping and localization. , 2007, , .		2
54	Feature Selection and Combination Criteria for Improving Accuracy in Protein Structure Prediction. IEEE Transactions on Nanobioscience, 2007, 6, 186-196.	3.3	78

#	ARTICLE	IF	CITATIONS
55	On the Diversity-Performance Relationship for Majority Voting in Classifier Ensembles. , 2007, , 407-420.		17
56	Network-based resource allocation for Grid Computing within an SLA context. , 2006, , .		0
57	Selecting and Evaluating Combinatorial Fusion Criteria to Improve Multitarget Tracking. , 2006, , .		1
58	On the spanningw-wide diameter of the star graph. Networks, 2006, 48, 235-249.	2.7	10
59	Identification of degenerate motifs using position restricted selection and hybrid ranking combination. Nucleic Acids Research, 2006, 34, 6379-6391.	14.5	13
60	Compact Genetic Algorithm for Performance Improvement in Hierarchical Sensor Networks Management. Journal of Interconnection Networks, 2006, 07, 101-115.	1.0	2
61	Combinatorial Fusion Analysis. , 2006, , 32-62.		47
62	Comparing Rank and Score Combination Methods for Data Fusion in Information Retrieval. Information Retrieval, 2005, 8, 449-480.	2.0	151
63	Consensus Scoring Criteria for Improving Enrichment in Virtual Screening. Journal of Chemical Information and Modeling, 2005, 45, 1134-1146.	5.4	220
64	Generalized Diameters of the Mesh of Trees. Theory of Computing Systems, 2004, 37, 547.	1.1	6
65	On Minimum-Weight k-Edge Connected Steiner Networks on Metric Spaces. Graphs and Combinatorics, 2000, 16, 275-284.	0.4	4
66	Fault-tolerant routing in circulant networks and cycle prefix networks. Annals of Combinatorics, 1998, 2, 165-172.	0.6	33
67	Special Issue on Interconnection Networks: Editors' Foreword. International Journal of Foundations of Computer Science, 1997, 08, iii-iv.	1.1	0
68	Distributed loop network with minimum transmission delay. Theoretical Computer Science, 1992, 100, 223-241.	0.9	42