

D Frank Hsu

List of Publications by Year in descending order

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68
papers

1,083
citations

623699

14
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454934

30
g-index

71
all docs

71
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 |