

Benjamin W Wah

List of Publications by Year in descending order

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56
papers

1,927
citations

567281

15
h-index

345221

36
g-index

57
all docs

57
docs citations

57
times ranked

1445
citing authors

#	ARTICLE	IF	CITATIONS
1	Consistent Synchronization of Action Order with Least Noticeable Delays in Fast-Paced Multiplayer Online Games. ACM Transactions on Multimedia Computing, Communications and Applications, 2017, 13, 1-25.	4.3	5
2	Optimality of Greedy Algorithm for Generating Just-Noticeable Difference Surfaces. IEEE Transactions on Multimedia, 2016, 18, 1330-1337.	7.2	4
3	Significance and Challenges of Big Data Research. Big Data Research, 2015, 2, 59-64.	4.2	593
4	Optimizing the Perceptual Quality of Real-Time Multimedia Applications. IEEE MultiMedia, 2015, 22, 14-28.	1.7	4
5	Concealing network delays in delay-sensitive online interactive games based on just-noticeable differences. , 2013, , .		8
6	Exploiting just-noticeable difference of delays for improving quality of experience in video conferencing. , 2013, , .		10
7	Delay-Aware Loss-Concealment Strategies for Real-Time Video Conferencing. , 2011, , .		1
8	Portfolio Optimization through Data Conditioning and Aggregation. , 2011, , .		9
9	Statistical Scheduling of Offline Comparative Subjective Evaluations for Real-Time Multimedia. IEEE Transactions on Multimedia, 2009, 11, 1114-1130.	7.2	7
10	New piggybacking algorithm in VoIP using enhanced G.722.2 codec with larger frames. , 2009, , .		0
11	Guest Editors' Introduction: Emerging Internet Technologies for E-Learning. IEEE Internet Computing, 2009, 13, 11-17.	3.3	29
12	Automated learning of playout scheduling algorithms for improving perceptual conversational quality in multi-party VoIP. , 2008, , .		5
13	Statistical Testing of Off-line Comparative Subjective Evaluations for Optimizing Perceptual Conversational Quality in VoIP. , 2008, , .		2
14	SUBGOAL ORDERING AND GRANULARITY CONTROL FOR INCREMENTAL PLANNING. International Journal on Artificial Intelligence Tools, 2007, 16, 707-723.	1.0	5
15	OPTIMIZATION OF BOUNDS IN TEMPORAL FLEXIBLE PLANS WITH DYNAMIC CONTROLLABILITY. International Journal on Artificial Intelligence Tools, 2007, 16, 17-44.	1.0	3
16	Playout scheduling and loss-concealments in voip for optimizing conversational voice communication quality. , 2007, , .		26
17	Evaluation of Conversational Voice Communication Quality of the Skype, Google-Talk, Windows Live, and Yahoo Messenger Voip Systems. , 2007, , .		13
18	The Design of a Multi-party VoIP Conferencing System over the Internet. , 2007, , .		17

#	ARTICLE	IF	CITATIONS
19	Simulated annealing with asymptotic convergence for nonlinear constrained optimization. Journal of Global Optimization, 2007, 39, 1-37.	1.8	43
20	Constraint partitioning in penalty formulations for solving temporal planning problems. Artificial Intelligence, 2006, 170, 187-231.	5.8	23
21	Analysis and Evaluation of the Skype and Google-Talk Voip Systems. , 2006, , .		28
22	Penalty Formulations and Trap-Avoidance Strategies for Solving Hard Satisfiability Problems. Journal of Computer Science and Technology, 2005, 20, 3-17.	1.5	9
23	Stream Cube: An Architecture for Multi-Dimensional Analysis of Data Streams. Distributed and Parallel Databases, 2005, 18, 173-197.	1.6	119
24	LOSS AWARE RATE ALLOCATIONS IN H.263 CODED VIDEO TRANSMISSIONS. Journal of Circuits, Systems and Computers, 2005, 14, 1157-1171.	1.5	0
25	Perceptual Weighting in LSP-Based Multi-Description Coding for Real-Time Low-Bit-Rate Voice Over IP. , 2005, , .		0
26	Speech-and Network-Adaptive Layered G. 729 Coder for Loss Concealments of Real-Time Voice Over IP. , 2005, , .		4
27	Solving Large-Scale Nonlinear Programming Problems by Constraint Partitioning. Lecture Notes in Computer Science, 2005, , 697-711.	1.3	11
28	SUBGOAL PARTITIONING AND GLOBAL SEARCH FOR SOLVING TEMPORAL PLANNING PROBLEMS IN MIXED SPACE. International Journal on Artificial Intelligence Tools, 2004, 13, 767-790.	1.0	14
29	Reconstruction-Based Subband Image Coding for UDP Transmissions over the Internet. Journal of Signal Processing Systems, 2003, 34, 29-48.	1.0	2
30	Data Mining: How Research Meets Practical Development?. Knowledge and Information Systems, 2003, 5, 248-261.	3.2	26
31	HYBRID EVOLUTIONARY AND ANNEALING ALGORITHMS FOR NONLINEAR DISCRETE CONSTRAINED OPTIMIZATION. International Journal of Computational Intelligence and Applications, 2003, 03, 331-355.	0.8	9
32	Multi-Dimensional Regression Analysis of Time-Series Data Streams. , 2002, , 323-334.		185
33	INTELLIGENT AGENTS FOR MARKET-TREND PREDICTION. , 2001, , .		0
34	Teacher: A Genetics Based System for Learning and Generalizing Heuristics. , 2001, , 179-211.		2
35	TUNING STRATEGIES IN CONSTRAINED SIMULATED ANNEALING FOR NONLINEAR GLOBAL OPTIMIZATION. International Journal on Artificial Intelligence Tools, 2000, 09, 3-25.	1.0	13
36	The Theory of Discrete Lagrange Multipliers for Nonlinear Discrete Optimization. Lecture Notes in Computer Science, 1999, , 28-42.	1.3	42

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37	Simulated Annealing with Asymptotic Convergence for Nonlinear Constrained Global Optimization. Lecture Notes in Computer Science, 1999, , 461-475.	1.3	32
38	Discrete Lagrangian Methods for Designing Multiplierless Two-Channel PR-LP Filter Banks. Journal of Signal Processing Systems, 1999, 21, 131-149.	1.0	1
39	Efficient and Adaptive Lagrange-Multiplier Methods for Nonlinear Continuous Global Optimization. Journal of Global Optimization, 1999, 14, 1-25.	1.8	16
40	A Discrete Lagrangian-Based Global-Search Method for Solving Satisfiability Problems. Journal of Global Optimization, 1998, 12, 61-99.	1.8	102
41	Genetics-Based Learning and Statistical Generalization. , 1997, , 319-347.		1
42	Automated learning of load-balancing strategies in multiprogrammed distributed systems. International Journal of Systems Science, 1997, 28, 1077-1099.	5.5	6
43	TCGD: A Time-Constrained Approximate Guided Depth-First Search Algorithm. International Journal on Artificial Intelligence Tools, 1997, 06, 255-271.	1.0	1
44	Trace-Based Methods for Solving Nonlinear Global Optimization and Satisfiability Problems. Journal of Global Optimization, 1997, 10, 107-141.	1.8	19
45	STATISTICAL GENERALIZATION OF PERFORMANCE-RELATED HEURISTICS FOR KNOWLEDGE-LEAN APPLICATIONS. International Journal on Artificial Intelligence Tools, 1996, 05, 61-79.	1.0	12
46	Scheduling of Genetic Algorithms in a Noisy Environment. Evolutionary Computation, 1994, 2, 97-122.	3.0	102
47	Intelligent process mapping through systematic improvement of heuristics. Journal of Parallel and Distributed Computing, 1992, 15, 118-142.	4.1	10
48	Multiprocessing of Combinatorial Search Problems. , 1990, , 102-145.		5
49	Load balancing and ordered selections in a computer system with multiple contention buses. Journal of Parallel and Distributed Computing, 1989, 7, 391-415.	4.1	2
50	Systolic processing for dynamic programming problems. Circuits, Systems, and Signal Processing, 1988, 7, 119-149.	2.0	7
51	Coping with Anomalies in Parallel Branch-and-Bound Algorithms. IEEE Transactions on Computers, 1986, C-35, 568-573.	3.4	89
52	Resource scheduling for local computer systems with a multiaccess network. IEEE Transactions on Computers, 1985, C-34, 1144-1157.	3.4	18
53	The status of manip - a multicomputer architecture for solving, combinatorial extremum-search problems. Computer Architecture News, 1984, 12, 56-63.	2.5	2
54	A Partitioning Approach to the Design of Selection Networks. IEEE Transactions on Computers, 1984, C-33, 261-268.	3.4	8

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55	A Comparative Study of Distributed Resource Sharing on Multiprocessors. IEEE Transactions on Computers, 1984, C-33, 700-711.	3.4	11
56	The file-assignment and query-processing problems in local multiaccess networks. , 1984, , .		5