Anthony A Maciejewski

List of Publications by Year
in descending order

185 papers	4,858 citations	147801 31 h-index	123424 61 g-index
187 all docs	187 docs citations	187 times ranked	2290 citing authors

#	Article	IF	Citations
1	Obstacle Avoidance for Kinematically Redundant Manipulators in Dynamically Varying Environments. International Journal of Robotics Research, 1985, 4, 109-117.	8.5	887
2	Task Matching and Scheduling in Heterogeneous Computing Environments Using a Genetic-Algorithm-Based Approach. Journal of Parallel and Distributed Computing, 1997, 47, 8-22.	4.1	327
3	Numerical filtering for the operation of robotic manipulators through kinematically singular configurations. Journal of Field Robotics, 1988, 5, 527-552.	0.7	205
4	Computational modeling for the computer animation of legged figures. Computer Graphics, 1985, 19, 263-270.	0.1	183
5	The Singular Value Decomposition: Computation and Applications to Robotics. International Journal of Robotics Research, 1989, 8, 63-79.	8.5	169
6	Measuring the robustness of a resource allocation. IEEE Transactions on Parallel and Distributed Systems, 2004, 15, 630-641.	5.6	150
7	A local measure of fault tolerance for kinematically redundant manipulators. IEEE Transactions on Automation Science and Engineering, 1996, 12, 543-552.	2.3	115
8	Fault tolerant operation of kinematically redundant manipulators for locked joint failures. IEEE Transactions on Automation Science and Engineering, 1997, 13, 622-629.	2.3	109
9	Fault tolerance for kinematically redundant manipulators: anticipating free-swinging joint failures. IEEE Transactions on Automation Science and Engineering, 1998, 14, 566-575.	2.3	103
10	Heuristic Optimization for an Aggregator-Based Resource Allocation in the Smart Grid. IEEE Transactions on Smart Grid, 2015, 6, 1785-1794.	9.0	89
11	Dexterity optimization of kinematically redundant manipulators in the presence of joint failures. Computers and Electrical Engineering, 1994, 20, 273-288.	4.8	75
12	Dynamically mapping tasks with priorities and multiple deadlines in a heterogeneous environment. Journal of Parallel and Distributed Computing, 2007, 67, 154-169.	4.1	74
13	Multiple-Scenario Unmanned Aerial System Control: A Systems Engineering Approach and Review of Existing Control Methods. Aerospace, 2016, 3, 1.	2.2	66
14	Real-time failure-tolerant control of kinematically redundant manipulators. IEEE Transactions on Automation Science and Engineering, 1999, 15, 1109-1115.	2.3	64
15	Dealing with the ill-conditioned equations of motion for articulated figures. IEEE Computer Graphics and Applications, 1990, 10, 63-71.	1.2	63
16	Stochastic robustness metric and its use for static resource allocations. Journal of Parallel and Distributed Computing, 2008, 68, 1157-1173.	4.1	59
17	Kinetic limitations on the use of redundancy in robotic manipulators. IEEE Transactions on Automation Science and Engineering, 1991, 7, 205-210.	2.3	57
18	Nearest optimal repeatable control strategies for kinematically redundant manipulators. IEEE Transactions on Automation Science and Engineering, 1992, 8, 327-337.	2.3	57

#	Article	IF	Citations
19	Repeatable generalized inverse control strategies for kinematically redundant manipulators. IEEE Transactions on Automatic Control, 1993, 38, 689-699.	5.7	56
20	A Partially Observable Markov Decision Process Approach to Residential Home Energy Management. IEEE Transactions on Smart Grid, 2018, 9, 1271-1281.	9.0	56
21	Static allocation of resources to communicating subtasks in a heterogeneous ad hoc grid environment. Journal of Parallel and Distributed Computing, 2006, 66, 600-611.	4.1	53
22	Dynamic Resource Management in Energy Constrained Heterogeneous Computing Systems Using Voltage Scaling. IEEE Transactions on Parallel and Distributed Systems, 2008, 19, 1445-1457.	5.6	53
23	Power and Thermal-Aware Workload Allocation in Heterogeneous Data Centers. IEEE Transactions on Computers, 2015, 64, 477-491.	3.4	49
24	Static resource allocation for heterogeneous computing environments with tasks having dependencies, priorities, deadlines, and multiple versions. Journal of Parallel and Distributed Computing, 2008, 68, 1504-1516.	4.1	47
25	Fundamental Limitations on Designing Optimally Fault-Tolerant Redundant Manipulators. IEEE Transactions on Robotics, 2008, 24, 1224-1237.	10.3	47
26	Path planning and the topology of configuration space. IEEE Transactions on Automation Science and Engineering, 1993, 9, 444-456.	2.3	44
27	Robust static allocation of resources for independent tasks under makespan and dollar cost constraints. Journal of Parallel and Distributed Computing, 2007, 67, 400-416.	4.1	39
28	A Holistic Approach to Transforming Undergraduate Electrical Engineering Education. IEEE Access, 2017, 5, 8148-8161.	4.2	39
29	Utility Functions and Resource Management in an Oversubscribed Heterogeneous Computing Environment. IEEE Transactions on Computers, 2015, 64, 2394-2407.	3.4	36
30	Redundant Robots. Springer Handbooks, 2016, , 221-242.	0.6	36
31	Characterizing Resource Allocation Heuristics for Heterogeneous Computing Systems. Advances in Computers, 2005, 63, 91-128.	1.6	35
32	Stochastic-based robust dynamic resource allocation for independent tasks in a heterogeneous computing system. Journal of Parallel and Distributed Computing, 2016, 97, 96-111.	4.1	35
33	Energy and Makespan Tradeoffs in Heterogeneous Computing Systems using Efficient Linear Programming Techniques. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 1633-1646.	5.6	35
34	Fast eigenspace decomposition of correlated images. IEEE Transactions on Image Processing, 2000, 9, 1937-1949.	9.8	34
35	Singularities, Stable Surfaces, and the Repeatable Behavior of Kinematically Redundant Manipulators. International Journal of Robotics Research, 1994, 13, 70-81.	8.5	32
36	Utility maximizing dynamic resource management in an oversubscribed energy-constrained heterogeneous computing system. Sustainable Computing: Informatics and Systems, 2015, 5, 14-30.	2.2	31

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37	A semi-static approach to mapping dynamic iterative tasks onto heterogeneous computing systems. Journal of Parallel and Distributed Computing, 2006, 66, 77-98.	4.1	30
38	Combined Impact of Demand Response Aggregators and Carbon Taxation on Emissions Reduction in Electric Power Systems. IEEE Transactions on Smart Grid, 2021, 12, 1825-1827.	9.0	29
39	Dynamic resource allocation heuristics that manage tradeoff between makespan and robustness. Journal of Supercomputing, 2007, 42, 33-58.	3.6	28
40	Minimizing Energy Costs for Geographically Distributed Heterogeneous Data Centers. IEEE Transactions on Sustainable Computing, 2018, 3, 318-331.	3.1	28
41	A parallel algorithm and architecture for the control of kinematically redundant manipulators. IEEE Transactions on Automation Science and Engineering, 1994, 10, 405-414.	2.3	27
42	Optimal mapping of joint faults into healthy joint velocity space for fault-tolerant redundant manipulators. Robotica, 2012, 30, 635-648.	1.9	27
43	Designing a Failure-Tolerant Workspace for Kinematically Redundant Robots. IEEE Transactions on Automation Science and Engineering, 2015, 12, 1421-1432.	5.2	26
44	A Kinematic Analysis and Evaluation of Planar Robots Designed From Optimally Fault-Tolerant Jacobians. IEEE Transactions on Robotics, 2014, 30, 516-524.	10.3	24
45	Heuristics for Robust Resource Allocation of Satellite Weather Data Processing on a Heterogeneous Parallel System. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 1780-1787.	5.6	23
46	A Stochastic Approach to Measuring the Robustness of Resource Allocations in Distributed Systems. , 2006, , .		22
47	Robust CDN replica placement techniques. , 2009, , .		22
48	Measuring and reducing the Euclidean-space effects of robotic joint failures. IEEE Transactions on Automation Science and Engineering, 2000, 16, 20-28.	2.3	21
49	Deadline and energy constrained dynamic resource allocation in a heterogeneous computing environment. Journal of Supercomputing, 2013, 63, 326-347.	3.6	21
50	Heterogeneous Computing: Goals, Methods, and Open Problems. Lecture Notes in Computer Science, 2001, , 307-318.	1.3	21
51	Kinematic Design of Redundant Robotic Manipulators for Spatial Positioning that are Optimally Fault Tolerant. IEEE Transactions on Robotics, 2013, 29, 1300-1307.	10.3	20
52	Static heuristics for robust resource allocation of continuously executing applications. Journal of Parallel and Distributed Computing, 2008, 68, 1070-1080.	4.1	19
53	Makespan and Energy Robust Stochastic Static Resource Allocation of a Bag-of-Tasks to a Heterogeneous Computing System. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 2791-2805.	5.6	19
54	A Study of Five Parallel Approaches to a Genetic Algorithm for the Traveling Salesman Problem. Intelligent Automation and Soft Computing, 2005, 11, 217-234.	2.1	18

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55	Robust resource allocation in a massive multiplayer online gaming environment. , 2009, , .		18
56	Rate-based thermal, power, and co-location aware resource management for heterogeneous data centers. Journal of Parallel and Distributed Computing, 2018, 112, 126-139.	4.1	18
57	Measuring the Robustness of Resource Allocations in a Stochastic Dynamic Environment. , 2007, , .		17
58	An Analysis Framework for Investigating the Trade-Offs between System Performance and Energy Consumption in a Heterogeneous Computing Environment. , 2013, , .		17
59	Bus.py: A GridLAB-D communication interface for Smart distribution Grid simulations. , 2015, , .		17
60	Using the low-resolution properties of correlated images to improve the computational efficiency of eigenspace decomposition. IEEE Transactions on Image Processing, 2006, 15, 2376-2387.	9.8	16
61	Characterizing Task-Machine Affinity in Heterogeneous Computing Environments. , 2011, , .		16
62	Statistical measures for quantifying task and machine heterogeneities. Journal of Supercomputing, 2011, 57, 34-50.	3.6	16
63	Kinematic Design of Manipulators with Seven Revolute Joints Optimized for Fault Tolerance. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 1364-1373.	9.3	16
64	A hybrid Branch-and-Bound and evolutionary approach for allocating strings of applications to heterogeneous distributed computing systems. Journal of Parallel and Distributed Computing, 2008, 68, 410-426.	4.1	15
65	Robust UAV path planning using POMDP with limited FOV sensor. , 2017, , .		15
66	Analyzing unidentified locked-joint failures in kinematically redundant manipulators. Journal of Field Robotics, 2005, 22, 15-29.	0.7	14
67	Time Utility Functions for Modeling and Evaluating Resource Allocations in a Heterogeneous Computing System. , 2011, , .		14
68	A Visualization Aid for Demand Response Studies in the Smart Grid. Electricity Journal, 2015, 28, 100-111.	2.5	14
69	Pose detection of 3-D objects using images sampled on SO(3), spherical harmonics, and wigner-D matrices. , 2008, , .		13
70	HPC node performance and energy modeling with the co-location of applications. Journal of Supercomputing, 2016, 72, 4771-4809.	3.6	13
71	Stochastic-Based Robust Dynamic Resource Allocation in a Heterogeneous Computing System. , 2009, , .		12
72	A multiscale stochastic image model for automated inspection. IEEE Transactions on Image Processing, 1995, 4, 1641-1654.	9.8	11

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73	Eigendecomposition of Images Correlated on S^{1}, S^{2}, and $SO(3)$ Using Spectral Theory. IEEE Transactions on Image Processing, 2009, 18, 2562-2571.	9.8	11
74	Multi-objective robust static mapping of independent tasks on grids. , 2010, , .		11
75	Characterizing heterogeneous computing environments using singular value decomposition. , 2010, , .		11
76	Computer‐assisted learning of electromagnetics through MATLAB programming of electromagnetic fields in the creativity thread of an integrated approach to electrical engineering education. Computer Applications in Engineering Education, 2019, 27, 271-287.	3.4	11
77	Mapping subtasks with multiple versions on an ad hoc grid. Parallel Computing, 2005, 31, 671-690.	2.1	10
78	Characterizing optimally fault-tolerant manipulators based on relative manipulability indices. , 2007, , .		10
79	Identifying the Failure-Tolerant Workspace Boundaries of a Kinematically Redundant Manipulator. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	10
80	Pose detection of 3-D objects using S^2-correlated images and discrete spherical harmonic transforms. , 2008, , .		10
81	A game theoretical data replication technique for mobile ad hoc networks. Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on, 2008, , .	1.0	10
82	Designing equally fault-tolerant configurations for kinematically redundant manipulators. , 2009, , .		10
83	Robust static resource allocation of DAGs in a heterogeneous multicore system. Journal of Parallel and Distributed Computing, 2013, 73, 1705-1717.	4.1	10
84	A Methodology for Co-Location Aware Application Performance Modeling in Multicore Computing. , 2015, , .		10
85	A multiscale stochastic image model for automated inspection. IEEE Transactions on Image Processing, 1995, 4, 1641-1654.	9.8	9
86	Scalable linear programming based resource allocation for makespan minimization in heterogeneous computing systems. Journal of Parallel and Distributed Computing, 2015, 84, 76-86.	4.1	9
87	Utility-based resource management in an oversubscribed energy-constrained heterogeneous environment executing parallel applications. Parallel Computing, 2019, 83, 48-72.	2.1	9
88	Maximizing the failure-tolerant workspace area for planar redundant robots. Mechanism and Machine Theory, 2020, 143, 103635.	4.5	9
89	Study of an Iterative Technique to Minimize Completion Times of Non-Makespan Machines. , 2007, , .		8
90	Fast Eigenspace Decomposition of Images of Objects With Variation in Illumination and Pose. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 318-329.	5.0	8

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91	Examples of planar robot kinematic designs from optimally fault-tolerant Jacobians. , 2011, , .		8
92	Probabilistic resource allocation in heterogeneous distributed systems with random failures. Journal of Parallel and Distributed Computing, 2012, 72, 1186-1194.	4.1	8
93	Heterogeneous makespan and energy-constrained DAG scheduling. , 2013, , .		8
94	Energy cost optimization for geographically distributed heterogeneous data centers. , 2015, , .		8
95	Novel Fault-Tolerance Indices for Redundantly Actuated Parallel Robots. Journal of Mechanical Design, Transactions of the ASME, 2017, 139, .	2.9	8
96	An Analysis of Resilience Techniques for Exascale Computing Platforms. , 2017, , .		8
97	Maximizing the Size of Self-Motion Manifolds to Improve Robot Fault Tolerance. IEEE Robotics and Automation Letters, 2019, 4, 2653-2660.	5.1	8
98	SAM-animation software for simulating articulated motion. Computers and Graphics, 1985, 9, 383-391.	2.5	7
99	Robotic Workspaces after a Free-Swinging Failure. Journal of Intelligent and Robotic Systems: Theory and Applications, 1997, 19, 55-72.	3.4	7
100	A stochastic model for robust resource allocation in heterogeneous parallel and distributed computing systems. Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on, 2008, , .	1.0	7
101	Stochastically robust static resource allocation for energy minimization with a makespan constraint in a heterogeneous computing environment. , 2011, , .		7
102	Reliability maps for probabilistic guarantees of task motion for robotic manipulators. Advanced Robotics, 2013, 27, 81-92.	1.8	7
103	Energy-Aware Profit Maximizing Scheduling Algorithm for Heterogeneous Computing Systems. , 2014, , .		7
104	Enabling Smart Grid Cosimulation Studies: Rapid Design and Development of the Technologies and Controls. IEEE Electrification Magazine, 2016, 4, 25-32.	1.8	7
105	Maximizing the Probability of Task Completion for Redundant Robots Experiencing Locked Joint Failures. IEEE Transactions on Robotics, 2022, 38, 616-625.	10.3	7
106	Efficient and Scalable Pareto Front Generation for Energy and Makespan in Heterogeneous Computing Systems. Studies in Computational Intelligence, 2015, , 161-180.	0.9	7
107	Implementation issues in identifying the failure-tolerant workspace boundaries of a kinematically redundant manipulator. , 2007, , .		6
108	Characterization of the iterative application of makespan heuristics on non-makespan machines in a heterogeneous parallel and distributed environment. Journal of Supercomputing, 2012, 62, 461-485.	3.6	6

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109	Resource Allocation in a Client/Server System for Massive Multi-Player Online Games. IEEE Transactions on Computers, 2014, 63, 3127-3142.	3.4	6
110	A Performance and Energy Comparison of Fault Tolerance Techniques for Exascale Computing Systems. , 2016, , .		6
111	Optimizing checkpoint intervals for reduced energy use in exascale systems. , 2017, , .		6
112	Metrics-Based Assessment of Sustainability in Demand Response. , 2017, , .		6
113	Kinematic Design of Optimally Fault Tolerant Robots for Different Joint Failure Probabilities. IEEE Robotics and Automation Letters, 2018, 3, 827-834.	5.1	6
114	An Application of Machine Learning for a Smart Grid Resource Allocation Problem. , 2019, , .		6
115	Calculation of repeatable control strategies for kinematically redundant manipulators. Journal of Intelligent and Robotic Systems: Theory and Applications, 1995, 14, 105-130.	3.4	5
116	A multiscale assembly inspection algorithm. IEEE Robotics and Automation Magazine, 1996, 3, 15-22.	2.0	5
117	An Analysis of Sphere Tessellations for Pose Estimation of 3-D Objects Using Spherically Correlated Images. , 2008, , .		5
118	Computationally efficient eigenspace decomposition of correlated images characterized by three parameters. Pattern Analysis and Applications, 2009, 12, 391-406.	4.6	5
119	Optimal fault-tolerant Jacobian matrix generators for redundant manipulators. , 2011, , .		5
120	An example of a seven joint manipulator optimized for kinematic fault tolerance. , 2014, , .		5
121	Utility Driven Dynamic Resource Management in an Oversubscribed Energy-Constrained Heterogeneous System. , 2014, , .		5
122	Dynamic Resource Management for Parallel Tasks in an Oversubscribed Energy-Constrained Heterogeneous Environment. , 2016, , .		5
123	Robust Performance-Based Resource Provisioning Using a Steady-State Model for Multi-Objective Stochastic Programming. IEEE Transactions on Cloud Computing, 2019, 7, 1068-1081.	4.4	5
124	Singularity Analysis for Redundant Manipulators of Arbitrary Kinematic Structure. , 2019, , .		5
125	A Methodology for Exploiting Concurrency among Independent Tasks in Partitionable Parallel Processing Systems. Journal of Parallel and Distributed Computing, 1993, 19, 271-278.	4.1	4
126	Planning of collision-free paths for a reconfigurable dual manipulator equipped mobile robot. Journal of Intelligent and Robotic Systems: Theory and Applications, 1996, 17, 223-242.	3.4	4

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127	Resource allocation in a client/server hybrid network for virtual world environments. Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on, 2008, , .	1.0	4
128	Aerial Pose Detection of 3-D Objects Using Hemispherical Harmonics. , 2008, , .		4
129	Robust sequential resource allocation in heterogeneous distributed systems with random compute node failures. , 2009, , .		4
130	Energy-Constrained Dynamic Resource Allocation in a Heterogeneous Computing Environment. , 2011, , .		4
131	A proposed framework for heuristic approaches to resource allocation in the emerging smart grid. , 2012, , .		4
132	A probabilistic approach for measuring the fault tolerance of robotic manipulators. , 2013, , .		4
133	Fault-Tolerant Force in Human and Robot Cooperation. International Journal of Social Robotics, 2013, 5, 103-116.	4.6	4
134	Resilience-Aware Resource Management for Exascale Computing Systems. IEEE Transactions on Sustainable Computing, 2018, 3, 332-345.	3.1	4
135	An Algorithm to Design Redundant Manipulators of Optimally Fault-Tolerant Kinematic Structure. IEEE Robotics and Automation Letters, 2020, , 1-1.	5.1	4
136	An aggregatorâ€based resource allocation in the smart grid using an artificial neural network and sliding time window optimization. IET Smart Grid, 2021, 4, 612-622.	2.2	4
137	The Robustness of Resource Allocations in Parallel and Distributed Computing Systems. Lecture Notes in Computer Science, 2006, , 17-30.	1.3	4
138	Utilizing Kinematic Redundancy in Robotic Systems: Practical Implementations and Fundamental Limitations. , 1990, , .		4
139	Quadtree-based eigendecomposition for pose estimation in the presence of occlusion and background clutter. Pattern Analysis and Applications, 2007, 10, 15-31.	4.6	3
140	Decentralized market-based resource allocation in a heterogeneous computing system. Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on, 2008, , .	1.0	3
141	Statistical predictors of computing power in heterogeneous clusters. , 2010, , .		3
142	A Combined Dual-stage Framework for Robust Scheduling of Scientific Applications in Heterogeneous Environments with Uncertain Availability. , 2012, , .		3
143	Energy-aware resource management for computing systems. , 2014, , .		3
144	Maximizing stochastic robustness of static resource allocations in a periodic sensor driven cluster. Future Generation Computer Systems, 2014, 33, 1-10.	7.5	3

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145	Online Resource Management in Thermal and Energy Constrained Heterogeneous High Performance Computing. , 2016, , .		3
146	An Analysis of Multilevel Checkpoint Performance Models. , 2018, , .		3
147	Classifying environmental features from local observations of emergent swarm behavior. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 674-682.	13.1	3
148	A Hybrid Approach for Estimating the Failure-Tolerant Workspace Size of Kinematically Redundant Robots. IEEE Robotics and Automation Letters, 2021, 6, 303-310.	5.1	3
149	Performance Visualization for Large-Scale Computing Systems: A Literature Review. Lecture Notes in Computer Science, 2011, , 450-460.	1.3	3
150	Parallel Approaches for Singular Value Decomposition as Applied to Robotic Manipulator Jacobians. International Journal of Parallel Programming, 2002, 30, 1-35.	1.5	2
151	Robust Processor Allocation for Independent Tasks When Dollar Cost for Processors is a Constraint. , 2005, , .		2
152	Models and Heuristics for Robust Resource Allocation in Parallel and Distributed Computing Systems. , 2007, , .		2
153	An illustration of eigenspace decomposition for illumination invariant pose estimation. , 2009, , .		2
154	Designing eigenspace manifolds: With application to object identification and pose estimation. , 2009, , .		2
155	Mastering the Core Competencies of Electrical Engineering through Knowledge Integration. , 0, , .		2
156	Structure and Performance Analysis of the 7! Robots Generated From an Optimally Fault Tolerant Jacobian. IEEE Robotics and Automation Letters, 2017, 2, 1956-1963.	5.1	2
157	Modelling Emergent Swarm Behavior Using Continuum Limits for Environmental Mapping. , 2018, , .		2
158	Dynamic Heuristics for Surveillance Mission Scheduling with Unmanned Aerial Vehicles in Heterogeneous Environments. Transactions on Computational Science and Computational Intelligence, 2021, , 583-605.	0.3	2
159	Energy and Deadline Constrained Robust Stochastic Static Resource Allocation. Lecture Notes in Computer Science, 2014, , 761-771.	1.3	2
160	Why Math Matters: Demonstrating the Relevance of Mathematics in ECE Education. , 0, , .		2
161	A Virtual Manufacturing Workcell for Automated Assembly. Intelligent Automation and Soft Computing, 1996, 2, 1-13.	2.1	1
162	An Algorithm for Generating a Dictionary of Japanese Scientific Terms. Literary and Linguistic Computing, 1996, 11, 77-85.	0.6	1

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163	Robust resource allocation of DAGs in a heterogeneous multicore system. , 2010, , .		1
164	Examples of spatial positioning redundant robotic manipulators that are optimally fault tolerant. , 2011, , .		1
165	Overlay network resource allocation using a decentralized market-based approach. Future Generation Computer Systems, 2012, 28, 24-35.	7.5	1
166	Robust static planning tool for military village search missions: model and heuristics. Journal of Defense Modeling and Simulation, 2013, 10, 31-47.	1.7	1
167	Thermal, power, and co-location aware resource allocation in heterogeneous high performance computing systems. , 2014, , .		1
168	Board 77 : Work in Progress: An Analysis of Correlations in Student Performance in Core Technical Courses at a Large Public Research Institutionâ€™s Electrical and Computer Engineering Department. , 0, , .		1
169	Throwing Away the Course-centric Teaching Model to Enable Change. , 0, , .		1
170	Work In Progress: Knowledge Integration to Understand Why. , 0, , .		1
171	An algorithm for domain knowledge base acquisition in an intelligent tutoring system: Japanese transliteration rules. System, 1996, 24, 65-81.	3.4	0
172	Guest Editorial: Recent Developments for Kinematically Redundant Manipulators. Journal of Intelligent and Robotic Systems: Theory and Applications, 1997, 19, 1-3.	3.4	0
173	An Evaluation of Visual Interfaces for Teleoperated Control of Kinematically Redundant Manipulators. , 2008, , .		0
174	A cordon and search model and simulation using timed, stochastic, colored petri nets for robust decision-making. , 2010, , .		0
175	USING KINEMATIC REDUNDANCY TO DESIGN FAULT TOLERANT ROBOTIC SYSTEMS. , 2014, , .		0
176	Dynamic rescheduling heuristics for military village search environments. Journal of Defense Modeling and Simulation, 2015, 12, 139-156.	1.7	0
177	Preemptive resource management for dynamically arriving tasks in an oversubscribed heterogeneous computing system. , 2017, , .		0
178	Fuel Efficient Moving Target Tracking Using POMDP with Limited FOV Sensor. , 2018, , .		0
179	Green Computing with Geo-Distributed Heterogeneous Data Centers. , 2019, , .		0
180	Nonparametric Analysis of the Effect of Knowledge Integration Activities on Third-Year Undergraduate Performance. IEEE Transactions on Education, 2020, 63, 305-313.	2.4	0

#	ARTICLE	IF	CITATIONS
181	Incorporation of Survey-based Data into an Aggregation Algorithm for Residential Demand Response. , 2021, , .		0
182	Some Comments on the Repeatable Behavior of Kinematically Redundant Manipulators. , 1992, , .		0
183	Workspace Multiplicity and Fault Tolerance of Cooperating Robots. Lecture Notes in Computer Science, 2016, , 109-123.	1.3	0
184	Engineering Pathways in a U.S. Public Institution of Higher Education. Advances in Higher Education and Professional Development Book Series, 2017, , 236-259.	0.2	0
185	The kinematic design of redundant robots for maximizing failure-tolerant workspace size. Mechanism and Machine Theory, 2022, 173, 104850.	4.5	0