

Kwei-Jay Lin

List of Publications by Year in descending order

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110
papers

2,969
citations

430442

18
h-index

329751

37
g-index

111
all docs

111
docs citations

111
times ranked

1587
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient algorithms for Web services selection with end-to-end QoS constraints. ACM Transactions on the Web, 2007, 1, 6.	2.0	900
2	Service selection algorithms for Web services with end-to-end QoS constraints. Information Systems and E-Business Management, 2005, 3, 103-126.	2.2	189
3	Service-Oriented Computing. Computer, 2006, 39, 99-101.	1.2	180
4	Service Selection Algorithms for Composing Complex Services with Multiple QoS Constraints. Lecture Notes in Computer Science, 2005, , 130-143.	1.0	158
5	Distance-constrained scheduling and its applications to real-time systems. IEEE Transactions on Computers, 1996, 45, 814-826.	2.4	101
6	Reputation-Oriented Trustworthy Computing in E-Commerce Environments. IEEE Internet Computing, 2008, 12, 55-59.	3.2	79
7	Web services computing: advancing software interoperability. Computer, 2003, 36, 35-37.	1.2	73
8	The design and implementation of service process reconfiguration with end-to-end QoS constraints in SOA. Service Oriented Computing and Applications, 2010, 4, 157-168.	1.3	61
9	A Reputation and Trust Management Broker Framework for Web Applications. , 0, , .		53
10	Building Accountability Middleware to Support Dependable SOA. IEEE Internet Computing, 2009, 13, 16-25.	3.2	46
11	Accountability monitoring and reasoning in service-oriented architectures. Service Oriented Computing and Applications, 2007, 1, 35-50.	1.3	45
12	Co-locating services in IoT systems to minimize the communication energy cost. Journal of Innovation in Digital Ecosystems, 2014, 1, 47-57.	1.3	42
13	QCWS: an implementation of QoS-capable multimedia web services. Multimedia Tools and Applications, 2006, 30, 165-187.	2.6	38
14	Adaptive algorithms for finding replacement services in autonomic distributed business processes. , 0, , .		34
15	Service selection algorithms for Web services with end-to-end QoS constraints. , 2004, , .		32
16	Trust management towards service-oriented applications. Service Oriented Computing and Applications, 2009, 3, 129-146.	1.3	31
17	Building edge intelligence for online activity recognition in service-oriented IoT systems. Future Generation Computer Systems, 2018, 87, 557-567.	4.9	31
18	Evaluating transaction trust and risk levels in peer-to-peer e-commerce environments. Information Systems and E-Business Management, 2008, 6, 25-48.	2.2	30

#	ARTICLE	IF	CITATIONS
19	SOA Middleware Support for Service Process Reconfiguration with End-to-End QoS Constraints. , 2009, , .		29
20	Scheduling real-time systems with end-to-end timing constraints using the distributed pinwheel model. IEEE Transactions on Computers, 2001, 50, 51-66.	2.4	28
21	A real-time service-oriented framework to support sustainable cyber-physical systems. , 2010, , .		26
22	Distributed pinwheel scheduling with end-to-end timing constraints. , 0, , .		25
23	An Efficient Approach for Service Process Reconfiguration in SOA with End-to-End QoS Constraints. , 2009, , .		24
24	Supporting Service Adaptation in Fault Tolerant Internet of Things. , 2015, , .		24
25	Enhancing the real-time capability of the Linux kernel. , 0, , .		23
26	Efficient online schedulability tests for real-time systems. IEEE Transactions on Software Engineering, 2003, 29, 734-751.	4.3	23
27	An Approach for Building Efficient and Accurate Social Recommender Systems Using Individual Relationship Networks. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 2086-2099.	4.0	23
28	Scheduling real-time computations with separation constraints. Information Processing Letters, 1992, 42, 61-66.	0.4	22
29	A theory of lexicographic multi-criteria optimization. , 0, , .		22
30	A Pinwheel Scheduler for Three Distinct Numbers with a Tight Schedulability Bound. Algorithmica, 1997, 19, 411-426.	1.0	21
31	Scheduling Jobs with Temporal Distance Constraints. SIAM Journal on Computing, 1995, 24, 1104-1121.	0.8	20
32	ProActive Fintech: Using Intelligent IoT to Deliver Positive InsurTech Feedback. , 2018, , .		20
33	A semantic-based concurrency control protocol for real-time transactions. , 0, , .		18
34	An optimal pinwheel scheduler using the single-number reduction technique. , 0, , .		18
35	Title is missing!. Real-Time Systems, 2002, 22, 119-149.	1.1	17
36	On-line schedulers for pinwheel tasks using the time-driven approach. , 0, , .		15

#	ARTICLE	IF	CITATIONS
37	The design and implementation of real-time schedulers in RED-linux. Proceedings of the IEEE, 2003, 91, 1114-1130.	16.4	15
38	A Framework for Real-Time Service-Oriented Architecture. , 2009, , .		15
39	A service accountability framework for QoS service management and engineering. Information Systems and E-Business Management, 2009, 7, 429-446.	2.2	15
40	An Evolutionary Game Approach on IoT Service Selection for Balancing Device Energy Consumption. , 2015, , .		15
41	Current Results on EDZL Scheduling for Multiprocessor Real-Time Systems. , 2007, , .		14
42	Building Smart M2M Applications Using the WuKong Profile Framework. , 2013, , .		14
43	Jitter control in time-triggered systems. , 1996, , .		12
44	EGPS: a class of real-time scheduling algorithms based on processor sharing. , 0, , .		12
45	Parameter learning of personalized trust models in broker-based distributed trust management. Information Systems Frontiers, 2006, 8, 321-333.	4.1	12
46	The Design of A Rule-based and Event-driven Trust Management Framework. , 2007, , .		12
47	A dependency matrix based framework for QoS diagnosis in SOA. , 2009, , .		12
48	Enhancing external consistency in real-time transactions. SIGMOD Record, 1996, 25, 26-28.	0.7	12
49	The Design of Middleware Support for Real-Time SOA. , 2011, , .		11
50	The LLAMA Middleware Support for Accountable Service-Oriented Architecture. Lecture Notes in Computer Science, 2008, , 180-194.	1.0	11
51	A class of rate-based real-time scheduling algorithms. IEEE Transactions on Computers, 2002, 51, 708-720.	2.4	10
52	Hierarchical Management of Service Accountability in Service Oriented Architectures. , 2007, , .		10
53	Rate monotonic schedulability tests using period-dependent conditions. Real-Time Systems, 2007, 37, 123-138.	1.1	10
54	A priority-based weighted fair queueing scheduler for real-time network. , 0, , .		9

#	ARTICLE	IF	CITATIONS
55	New Schedulability Conditions for Real-Time Multiframe Tasks. Real-Time Systems (ECRTS), Proceedings of the Euromicro Workshop on, 2007, , .	0.0	9
56	Generalized rate monotonic schedulability bounds using relative period ratios. Information Processing Letters, 2008, 107, 142-148.	0.4	9
57	Supporting Edge Intelligence in Service-Oriented Smart IoT Applications. , 2016, , .		9
58	Service Process Composition with QoS and Monitoring Agent Cost Parameters. Advanced Issues of E-Commerce and Web-Based Information Systems (WECWIS), International Workshop on, 2008, , .	0.0	8
59	An efficient Bayesian diagnosis for QoS management in service-oriented architecture. , 2011, , .		8
60	A Hybrid Diagnosis Approach for QoS Management in Service-Oriented Architecture. , 2012, , .		8
61	An open real-time environment for parallel and distributed systems. , 0, , .		7
62	Period-Dependent Initial Values for Exact Schedulability Test of Rate Monotonic Systems. , 2007, , .		7
63	A context management framework for real-time SOA. , 2010, , .		7
64	Building intelligent middleware for large scale CPS systems. , 2011, , .		7
65	An energy sentient methodology for sensor mapping and selection in IoT systems. , 2014, , .		7
66	DIRECT: A Robust Distributed Broker Framework for Trust and Reputation Management. , 2006, , .		6
67	Rate Monotonic Schedulability Conditions Using Relative Period Ratios. , 2006, , .		6
68	Modeling and Measuring Privacy Risks in QoS Web Services. , 2006, , .		6
69	A Flexible Schedule Reservation Scheme for Real-Time Service-Oriented Architecture. , 2010, , .		6
70	Estimating real-time service process response time using server utilizations. , 2010, , .		6
71	Capacity-based admission control for mixed periodic and aperiodic real time service processes. , 2011, , .		6
72	Context-Based Reputation Management for Service Composition and Reconfiguration. , 2012, , .		6

#	ARTICLE	IF	CITATIONS
73	QoS Oriented Sensor Selection in IoT System. , 2014, , .		6
74	The implementation of hierarchical schedulers in the RED-Linux scheduling framework. , 0, , .		5
75	Distributed real-time system design using CBS-based end-to-end scheduling. , 0, , .		5
76	Efficient Exact Test for Rate-Monotonic Schedulability Using Large Period-Dependent Initial Values. IEEE Transactions on Computers, 2008, 57, 648-659.	2.4	5
77	The Design of an Accountability Framework for Service Engineering. , 2008, , .		5
78	Hierarchical budget management in the RED-Linux scheduling framework. , 0, , .		4
79	The design and implementation of intelligent transportation Web services. , 0, , .		4
80	The Design of an Intelligent Accountability Architecture. , 2007, , .		4
81	A Dynamic Capability Framework for Context-Aware Mobile Services. Advanced Issues of E-Commerce and Web-Based Information Systems (WECWIS), International Workshop on, 2008, , .	0.0	4
82	The Design and Implementation of Service Reservations in Real-Time SOA. , 2009, , .		4
83	Performance Diagnosis for SOA on Hybrid Cloud Using the Markov Network Model. , 2013, , .		4
84	Communication Energy Aware Sensor Selection in IoT Systems. , 2014, , .		4
85	HRT-PLRU: A New Paging Scheme for Executing Hard Real-Time Program on NAND Flash Memory. IEEE Transactions on Computers, 2014, 63, 927-940.	2.4	4
86	Real-time databases: characteristics and issues. , 0, , .		3
87	SM: real-time multicast protocols for simultaneous message delivery. , 0, , .		3
88	BWE: a resource sharing protocol for multimedia systems with bandwidth reservation. , 0, , .		3
89	Deployment of Accountability Monitoring Agents in Service-Oriented Architectures. , 2007, , .		3
90	Introduction by Editor-In-Chief. Service Oriented Computing and Applications, 2007, 1, 1-2.	1.3	3

#	ARTICLE	IF	CITATIONS
91	Context-Aware Distributed Reputation Management System. , 2008, , .		3
92	Efficient Algorithms for Selecting Optimal Data Collection Locations in Business Process Management. , 2008, , .		3
93	PicPose: Using Picture Posing for Localization Service on IoT Devices. , 2019, , .		3
94	AutoCoach: Driving Behavior Management Using Intelligent IoT Services. , 2019, , .		3
95	Integrating the fixed priority scheduling and the total bandwidth server for aperiodic tasks. , 0, , .		2
96	Business Process Composition with QoS Optimization. , 2009, , .		2
97	Context-Aware Proactive Process Reconfiguration in Service-Oriented Architecture. , 2012, , .		2
98	Visual-Based Localization Using Pictorial Planar Objects in Indoor Environment. Applied Sciences (Switzerland), 2020, 10, 8583.	1.3	2
99	A performance study of the concurrency control algorithms for real-time avionics databases. , 0, , .		1
100	A general resource management framework for real-time operating systems. , 0, , .		1
101	Solutions to a Complete Web Service Discovery and Composition. , 2006, , .		1
102	The Design of an Intelligent Accountability Architecture. , 2007, , .		1
103	A Flexible Service Reservation Scheme for Real-Time SOA. , 2011, , .		1
104	Real-time service process scheduling with intermediate deadline overrun management. , 2012, , .		1
105	A General QoS Error Detection and Diagnosis Framework for Accountable SOA. , 2008, , .		0
106	Real-time service process admission control with schedule reorganization. Service Oriented Computing and Applications, 2013, 7, 3-14.	1.3	0
107	Implementing Context-Aware Performance Management in Intelligent SOA Middleware. , 2013, , .		0
108	An On-Line Capacity-Based Admission Control for Real-Time Service Processes. IEEE Transactions on Computers, 2014, 63, 2134-2145.	2.4	0

#	ARTICLE	IF	CITATIONS
109	Supporting Fault-Tolerant Real-Time Applications using the RED-Linux General Scheduling Framework. Lecture Notes in Computer Science, 2000, , 692-698.	1.0	0
110	RT-Llama. , 0, , 328-345.		0