

Kwei-Jay Lin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

100
papers

2,037
citations

18
h-index

42
g-index

111
ext. papers

2,386
ext. citations

2.3
avg, IF

4.86
L-index

#	Paper	IF	Citations
100	Visual-Based Localization Using Pictorial Planar Objects in Indoor Environment. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8583	2.6	0
99	AutoCoach: Driving Behavior Management Using Intelligent IoT Services 2019 ,		1
98	Building edge intelligence for online activity recognition in service-oriented IoT systems. <i>Future Generation Computer Systems</i> , 2018 , 87, 557-567	7.5	21
97	ProActive Fintech: Using Intelligent IoT to Deliver Positive InsurTech Feedback 2018 ,		8
96	An Approach for Building Efficient and Accurate Social Recommender Systems Using Individual Relationship Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2017 , 29, 2086-2099	4.2	14
95	Supporting Edge Intelligence in Service-Oriented Smart IoT Applications 2016 ,		6
94	Supporting Service Adaptation in Fault Tolerant Internet of Things 2015 ,		18
93	An Evolutionary Game Approach on IoT Service Selection for Balancing Device Energy Consumption 2015 ,		13
92	HRT-PLRU: A New Paging Scheme for Executing Hard Real-Time Program on NAND Flash Memory. <i>IEEE Transactions on Computers</i> , 2014 , 63, 927-940	2.5	2
91	An On-Line Capacity-Based Admission Control for Real-Time Service Processes. <i>IEEE Transactions on Computers</i> , 2014 , 63, 2134-2145	2.5	
90	Communication Energy Aware Sensor Selection in IoT Systems 2014 ,		3
89	An energy sentient methodology for sensor mapping and selection in IoT systems 2014 ,		5
88	QoS Oriented Sensor Selection in IoT System 2014 ,		5
87	Co-locating services in IoT systems to minimize the communication energy cost. <i>Journal of Innovation in Digital Ecosystems</i> , 2014 , 1, 47-57		34
86	Building Smart M2M Applications Using the WuKong Profile Framework 2013 ,		12
85	Real-time service process admission control with schedule reorganization. <i>Service Oriented Computing and Applications</i> , 2013 , 7, 3-14	1.6	
84	Performance Diagnosis for SOA on Hybrid Cloud Using the Markov Network Model 2013 ,		3

83	A Hybrid Diagnosis Approach for QoS Management in Service-Oriented Architecture 2012 ,		6
82	Real-time service process scheduling with intermediate deadline overrun management 2012 ,		1
81	Context-Aware Proactive Process Reconfiguration in Service-Oriented Architecture 2012 ,		1
80	Context-Based Reputation Management for Service Composition and Reconfiguration 2012 ,		4
79	An efficient Bayesian diagnosis for QoS management in service-oriented architecture 2011 ,		4
78	Building intelligent middleware for large scale CPS systems 2011 ,		5
77	Capacity-based admission control for mixed periodic and aperiodic real time service processes 2011		5
76	The Design of Middleware Support for Real-Time SOA 2011 ,		9
75	A Flexible Service Reservation Scheme for Real-Time SOA 2011 ,		1
74	2010 ,		5
73	A real-time service-oriented framework to support sustainable cyber-physical systems 2010 ,		18
72	A Flexible Schedule Reservation Scheme for Real-Time Service-Oriented Architecture 2010 ,		6
71	Estimating real-time service process response time using server utilizations 2010 ,		6
70	The design and implementation of service process reconfiguration with end-to-end QoS constraints in SOA. <i>Service Oriented Computing and Applications</i> , 2010 , 4, 157-168	1.6	46
69	A Framework for Real-Time Service-Oriented Architecture 2009 ,		13
68	A service accountability framework for QoS service management and engineering. <i>Information Systems and E-Business Management</i> , 2009 , 7, 429-446	2.6	10
67	Trust management towards service-oriented applications. <i>Service Oriented Computing and Applications</i> , 2009 , 3, 129-146	1.6	27
66	An Efficient Approach for Service Process Reconfiguration in SOA with End-to-End QoS Constraints 2009 ,		18

65	SOA Middleware Support for Service Process Reconfiguration with End-to-End QoS Constraints 2009 ,		17
64	A dependency matrix based framework for QoS diagnosis in SOA 2009 ,		8
63	. <i>IEEE Internet Computing</i> , 2009 , 13, 16-25	2.4	37
62	Business Process Composition with QoS Optimization 2009 ,		1
61	The Design and Implementation of Service Reservations in Real-Time SOA 2009 ,		3
60	Efficient Exact Test for Rate-Monotonic Schedulability Using Large Period-Dependent Initial Values. <i>IEEE Transactions on Computers</i> , 2008 , 57, 648-659	2.5	4
59	Reputation-Oriented Trustworthy Computing in E-Commerce Environments. <i>IEEE Internet Computing</i> , 2008 , 12, 55-59	2.4	63
58	Service Process Composition with QoS and Monitoring Agent Cost Parameters. <i>Advanced Issues of E-Commerce and Web-Based Information Systems (WECWIS), International Workshop on</i> , 2008 ,		6
57	The Design of an Accountability Framework for Service Engineering 2008 ,		5
56	A Dynamic Capability Framework for Context-Aware Mobile Services. <i>Advanced Issues of E-Commerce and Web-Based Information Systems (WECWIS), International Workshop on</i> , 2008 ,		2
55	Context-Aware Distributed Reputation Management System 2008 ,		3
54	Efficient Algorithms for Selecting Optimal Data Collection Locations in Business Process Management 2008 ,		2
53	Generalized rate monotonic schedulability bounds using relative period ratios. <i>Information Processing Letters</i> , 2008 , 107, 142-148	0.8	7
52	Evaluating transaction trust and risk levels in peer-to-peer e-commerce environments. <i>Information Systems and E-Business Management</i> , 2008 , 6, 25-48	2.6	21
51	The LLAMA Middleware Support for Accountable Service-Oriented Architecture. <i>Lecture Notes in Computer Science</i> , 2008 , 180-194	0.9	9
50	Deployment of Accountability Monitoring Agents in Service-Oriented Architectures 2007 ,		3
49	Current Results on EDZL Scheduling for Multiprocessor Real-Time Systems 2007 ,		9
48	New Schedulability Conditions for Real-Time Multiframe Tasks. <i>Real-Time Systems (ECRTS), Proceedings of the Euromicro Workshop on</i> , 2007 ,		9

47	Rate monotonic schedulability tests using period-dependent conditions. <i>Real-Time Systems</i> , 2007 , 37, 123-138	1.3	7
46	Accountability monitoring and reasoning in service-oriented architectures. <i>Service Oriented Computing and Applications</i> , 2007 , 1, 35-50	1.6	31
45	Hierarchical Management of Service Accountability in Service Oriented Architectures 2007 ,		7
44	Efficient algorithms for Web services selection with end-to-end QoS constraints. <i>ACM Transactions on the Web</i> , 2007 , 1, 6	3.2	693
43	The Design of an Intelligent Accountability Architecture 2007 ,		4
42	The Design of A Rule-based and Event-driven Trust Management Framework 2007 ,		7
41	Period-Dependent Initial Values for Exact Schedulability Test of Rate Monotonic Systems 2007 ,		6
40	Service-oriented computing. <i>Computer</i> , 2006 , 39, 99-101	1.6	140
39	DIRECT: A Robust Distributed Broker Framework for Trust and Reputation Management 2006 ,		4
38	Rate Monotonic Schedulability Conditions Using Relative Period Ratios 2006 ,		1
37	Solutions to a Complete Web Service Discovery and Composition 2006 ,		1
36	Modeling and Measuring Privacy Risks in QoS Web Services 2006 ,		2
35	Parameter learning of personalized trust models in broker-based distributed trust management. <i>Information Systems Frontiers</i> , 2006 , 8, 321-333	4	10
34	QCWS: an implementation of QoS-capable multimedia web services. <i>Multimedia Tools and Applications</i> , 2006 , 30, 165-187	2.5	9
33	Service Selection Algorithms for Composing Complex Services with Multiple QoS Constraints. <i>Lecture Notes in Computer Science</i> , 2005 , 130-143	0.9	92
32	Service selection algorithms for Web services with end-to-end QoS constraints. <i>Information Systems and E-Business Management</i> , 2005 , 3, 103-126	2.6	145
31	Service selection algorithms for Web services with end-to-end QoS constraints 2004 ,		8
30	Web services computing: advancing software interoperability. <i>Computer</i> , 2003 , 36, 35-37	1.6	50

29	The design and implementation of real-time schedulers in RED-linux. <i>Proceedings of the IEEE</i> , 2003 , 91, 1114-1130	14.3	7
28	Efficient online schedulability tests for real-time systems. <i>IEEE Transactions on Software Engineering</i> , 2003 , 29, 734-751	3.5	18
27	Integrating Priority with Share in the Priority-Based Weighted Fair Queuing Scheduler for Real-Time Networks. <i>Real-Time Systems</i> , 2002 , 22, 119-149	1.3	8
26	A class of rate-based real-time scheduling algorithms. <i>IEEE Transactions on Computers</i> , 2002 , 51, 708-720	2.5	7
25	Scheduling real-time systems with end-to-end timing constraints using the distributed pinwheel model. <i>IEEE Transactions on Computers</i> , 2001 , 50, 51-66	2.5	12
24	Supporting Fault-Tolerant Real-Time Applications using the RED-Linux General Scheduling Framework. <i>Lecture Notes in Computer Science</i> , 2000 , 692-698	0.9	
23	A Pinwheel Scheduler for Three Distinct Numbers with a Tight Schedulability Bound. <i>Algorithmica</i> , 1997 , 19, 411-426	0.9	14
22	Distance-constrained scheduling and its applications to real-time systems. <i>IEEE Transactions on Computers</i> , 1996 , 45, 814-826	2.5	71
21	Enhancing external consistency in real-time transactions. <i>SIGMOD Record</i> , 1996 , 25, 26-28	1.1	6
20	Scheduling Jobs with Temporal Distance Constraints. <i>SIAM Journal on Computing</i> , 1995 , 24, 1104-1121	1.1	16
19	Scheduling real-time computations with separation constraints. <i>Information Processing Letters</i> , 1992 , 42, 61-66	0.8	15
18	EGPS: a class of real-time scheduling algorithms based on processor sharing		6
17	Enhancing the real-time capability of the Linux kernel		7
16	Adaptive algorithms for finding replacement services in autonomic distributed business processes		10
15	A reputation and trust management broker framework for Web applications		16
14	The design and implementation of intelligent transportation Web services		1
13	BWE: a resource sharing protocol for multimedia systems with bandwidth reservation		3
12	Distributed real-time system design using CBS-based end-to-end scheduling		2

11	Hierarchical budget management in the RED-Linux scheduling framework	2
10	Integrating the fixed priority scheduling and the total bandwidth server for aperiodic tasks	1
9	An open real-time environment for parallel and distributed systems	1
8	The implementation of hierarchical schedulers in the RED-Linux scheduling framework	1
7	On-line schedulers for pinwheel tasks using the time-driven approach	8
6	Distributed pinwheel scheduling with end-to-end timing constraints	12
5	A theory of lexicographic multi-criteria optimization	13
4	A semantic-based concurrency control protocol for real-time transactions	7
3	An optimal pinwheel scheduler using the single-number reduction technique	13
2	RT-Llama328-345	
1	A performance study of the concurrency control algorithms for real-time avionics databases	1