

# Kwei-Jay Lin

## List of Publications by Citations

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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	Efficient algorithms for Web services selection with end-to-end QoS constraints. <i>ACM Transactions on the Web</i> , <b>2007</b> , 1, 6	3.2	693
99	Service selection algorithms for Web services with end-to-end QoS constraints. <i>Information Systems and E-Business Management</i> , <b>2005</b> , 3, 103-126	2.6	145
98	Service-oriented computing. <i>Computer</i> , <b>2006</b> , 39, 99-101	1.6	140
97	Service Selection Algorithms for Composing Complex Services with Multiple QoS Constraints. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 130-143	0.9	92
96	Distance-constrained scheduling and its applications to real-time systems. <i>IEEE Transactions on Computers</i> , <b>1996</b> , 45, 814-826	2.5	71
95	Reputation-Oriented Trustworthy Computing in E-Commerce Environments. <i>IEEE Internet Computing</i> , <b>2008</b> , 12, 55-59	2.4	63
94	Web services computing: advancing software interoperability. <i>Computer</i> , <b>2003</b> , 36, 35-37	1.6	50
93	The design and implementation of service process reconfiguration with end-to-end QoS constraints in SOA. <i>Service Oriented Computing and Applications</i> , <b>2010</b> , 4, 157-168	1.6	46
92	. <i>IEEE Internet Computing</i> , <b>2009</b> , 13, 16-25	2.4	37
91	Co-locating services in IoT systems to minimize the communication energy cost. <i>Journal of Innovation in Digital Ecosystems</i> , <b>2014</b> , 1, 47-57		34
90	Accountability monitoring and reasoning in service-oriented architectures. <i>Service Oriented Computing and Applications</i> , <b>2007</b> , 1, 35-50	1.6	31
89	Trust management towards service-oriented applications. <i>Service Oriented Computing and Applications</i> , <b>2009</b> , 3, 129-146	1.6	27
88	Building edge intelligence for online activity recognition in service-oriented IoT systems. <i>Future Generation Computer Systems</i> , <b>2018</b> , 87, 557-567	7.5	21
87	Evaluating transaction trust and risk levels in peer-to-peer e-commerce environments. <i>Information Systems and E-Business Management</i> , <b>2008</b> , 6, 25-48	2.6	21
86	Supporting Service Adaptation in Fault Tolerant Internet of Things <b>2015</b> ,		18
85	A real-time service-oriented framework to support sustainable cyber-physical systems <b>2010</b> ,		18
84	An Efficient Approach for Service Process Reconfiguration in SOA with End-to-End QoS Constraints <b>2009</b> ,		18

83	Efficient online schedulability tests for real-time systems. <i>IEEE Transactions on Software Engineering</i> , <b>2003</b> , 29, 734-751	3.5	18
82	SOA Middleware Support for Service Process Reconfiguration with End-to-End QoS Constraints <b>2009</b> ,		17
81	A reputation and trust management broker framework for Web applications		16
80	Scheduling Jobs with Temporal Distance Constraints. <i>SIAM Journal on Computing</i> , <b>1995</b> , 24, 1104-1121	1.1	16
79	Scheduling real-time computations with separation constraints. <i>Information Processing Letters</i> , <b>1992</b> , 42, 61-66	0.8	15
78	An Approach for Building Efficient and Accurate Social Recommender Systems Using Individual Relationship Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2017</b> , 29, 2086-2099	4.2	14
77	A Pinwheel Scheduler for Three Distinct Numbers with a Tight Schedulability Bound. <i>Algorithmica</i> , <b>1997</b> , 19, 411-426	0.9	14
76	An Evolutionary Game Approach on IoT Service Selection for Balancing Device Energy Consumption <b>2015</b> ,		13
75	A Framework for Real-Time Service-Oriented Architecture <b>2009</b> ,		13
74	A theory of lexicographic multi-criteria optimization		13
73	An optimal pinwheel scheduler using the single-number reduction technique		13
72	Building Smart M2M Applications Using the WuKong Profile Framework <b>2013</b> ,		12
71	Scheduling real-time systems with end-to-end timing constraints using the distributed pinwheel model. <i>IEEE Transactions on Computers</i> , <b>2001</b> , 50, 51-66	2.5	12
70	Distributed pinwheel scheduling with end-to-end timing constraints		12
69	A service accountability framework for QoS service management and engineering. <i>Information Systems and E-Business Management</i> , <b>2009</b> , 7, 429-446	2.6	10
68	Adaptive algorithms for finding replacement services in autonomic distributed business processes		10
67	Parameter learning of personalized trust models in broker-based distributed trust management. <i>Information Systems Frontiers</i> , <b>2006</b> , 8, 321-333	4	10
66	The Design of Middleware Support for Real-Time SOA <b>2011</b> ,		9

65	Current Results on EDZL Scheduling for Multiprocessor Real-Time Systems <b>2007</b> ,		9
64	New Schedulability Conditions for Real-Time Multiframe Tasks. <i>Real-Time Systems (ECRTS), Proceedings of the Euromicro Workshop on</i> , <b>2007</b> ,		9
63	QCWS: an implementation of QoS-capable multimedia web services. <i>Multimedia Tools and Applications</i> , <b>2006</b> , 30, 165-187	2.5	9
62	The LLAMA Middleware Support for Accountable Service-Oriented Architecture. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 180-194	0.9	9
61	A dependency matrix based framework for QoS diagnosis in SOA <b>2009</b> ,		8
60	Integrating Priority with Share in the Priority-Based Weighted Fair Queuing Scheduler for Real-Time Networks. <i>Real-Time Systems</i> , <b>2002</b> , 22, 119-149	1.3	8
59	Service selection algorithms for Web services with end-to-end QoS constraints <b>2004</b> ,		8
58	On-line schedulers for pinwheel tasks using the time-driven approach		8
57	ProActive Fintech: Using Intelligent IoT to Deliver Positive InsurTech Feedback <b>2018</b> ,		8
56	Enhancing the real-time capability of the Linux kernel		7
55	Rate monotonic schedulability tests using period-dependent conditions. <i>Real-Time Systems</i> , <b>2007</b> , 37, 123-138	1.3	7
54	Generalized rate monotonic schedulability bounds using relative period ratios. <i>Information Processing Letters</i> , <b>2008</b> , 107, 142-148	0.8	7
53	Hierarchical Management of Service Accountability in Service Oriented Architectures <b>2007</b> ,		7
52	The Design of A Rule-based and Event-driven Trust Management Framework <b>2007</b> ,		7
51	The design and implementation of real-time schedulers in RED-linux. <i>Proceedings of the IEEE</i> , <b>2003</b> , 91, 1114-1130	14.3	7
50	A class of rate-based real-time scheduling algorithms. <i>IEEE Transactions on Computers</i> , <b>2002</b> , 51, 708-720	2.5	7
49	A semantic-based concurrency control protocol for real-time transactions		7
48	A Hybrid Diagnosis Approach for QoS Management in Service-Oriented Architecture <b>2012</b> ,		6

47	A Flexible Schedule Reservation Scheme for Real-Time Service-Oriented Architecture <b>2010,</b>		6
46	Estimating real-time service process response time using server utilizations <b>2010,</b>		6
45	EGPS: a class of real-time scheduling algorithms based on processor sharing		6
44	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, 2008,</i>		6
43	Period-Dependent Initial Values for Exact Schedulability Test of Rate Monotonic Systems <b>2007,</b>		6
42	Enhancing external consistency in real-time transactions. <i>SIGMOD Record, 1996, 25, 26-28</i>	1.1	6
41	Supporting Edge Intelligence in Service-Oriented Smart IoT Applications <b>2016,</b>		6
40	An energy sentient methodology for sensor mapping and selection in IoT systems <b>2014,</b>		5
39	QoS Oriented Sensor Selection in IoT System <b>2014,</b>		5
38	Building intelligent middleware for large scale CPS systems <b>2011,</b>		5
37	<b>2010,</b>		5
36	Capacity-based admission control for mixed periodic and aperiodic real time service processes <b>2011</b>		5
35	The Design of an Accountability Framework for Service Engineering <b>2008,</b>		5
34	An efficient Bayesian diagnosis for QoS management in service-oriented architecture <b>2011,</b>		4
33	Context-Based Reputation Management for Service Composition and Reconfiguration <b>2012,</b>		4
32	Efficient Exact Test for Rate-Monotonic Schedulability Using Large Period-Dependent Initial Values. <i>IEEE Transactions on Computers, 2008, 57, 648-659</i>	2.5	4
31	The Design of an Intelligent Accountability Architecture <b>2007,</b>		4
30	DIRECT: A Robust Distributed Broker Framework for Trust and Reputation Management <b>2006,</b>		4

29	Communication Energy Aware Sensor Selection in IoT Systems <b>2014</b> ,		3
28	Performance Diagnosis for SOA on Hybrid Cloud Using the Markov Network Model <b>2013</b> ,		3
27	The Design and Implementation of Service Reservations in Real-Time SOA <b>2009</b> ,		3
26	Context-Aware Distributed Reputation Management System <b>2008</b> ,		3
25	Deployment of Accountability Monitoring Agents in Service-Oriented Architectures <b>2007</b> ,		3
24	BWE: a resource sharing protocol for multimedia systems with bandwidth reservation		3
23	HRT-PLRU: A New Paging Scheme for Executing Hard Real-Time Programs on NAND Flash Memory. <i>IEEE Transactions on Computers</i> , <b>2014</b> , 63, 927-940	2.5	2
22	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> , <b>2008</b> ,		2
21	Efficient Algorithms for Selecting Optimal Data Collection Locations in Business Process Management <b>2008</b> ,		2
20	Modeling and Measuring Privacy Risks in QoS Web Services <b>2006</b> ,		2
19	Distributed real-time system design using CBS-based end-to-end scheduling		2
18	Hierarchical budget management in the RED-Linux scheduling framework		2
17	Real-time service process scheduling with intermediate deadline overrun management <b>2012</b> ,		1
16	Context-Aware Proactive Process Reconfiguration in Service-Oriented Architecture <b>2012</b> ,		1
15	A Flexible Service Reservation Scheme for Real-Time SOA <b>2011</b> ,		1
14	Business Process Composition with QoS Optimization <b>2009</b> ,		1
13	Rate Monotonic Schedulability Conditions Using Relative Period Ratios <b>2006</b> ,		1
12	Solutions to a Complete Web Service Discovery and Composition <b>2006</b> ,		1

11	The design and implementation of intelligent transportation Web services		1
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	A performance study of the concurrency control algorithms for real-time avionics databases		1
6	AutoCoach: Driving Behavior Management Using Intelligent IoT Services <b>2019</b> ,		1
5	Visual-Based Localization Using Pictorial Planar Objects in Indoor Environment. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 8583	2.6	0
4	An On-Line Capacity-Based Admission Control for Real-Time Service Processes. <i>IEEE Transactions on Computers</i> , <b>2014</b> , 63, 2134-2145	2.5	
3	Real-time service process admission control with schedule reorganization. <i>Service Oriented Computing and Applications</i> , <b>2013</b> , 7, 3-14	1.6	
2	RT-Llama328-345		
1	Supporting Fault-Tolerant Real-Time Applications using the RED-Linux General Scheduling Framework. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 692-698	0.9	