Lawrence Chung

List of Publications by Year
in descending order

40 papers	2,086 citations	840776 11 h-index	752698 20 g-index
41 all docs	41 docs citations	41 times ranked	996 citing authors

#	ARTICLE	IF	CITATIONS
1	Eliciting Smartphone App Requirements for Helping Senior People: A Questionnaire Approach. , 2021, , .		0
2	A multi-Agent based model for task scheduling in cloud-fog computing platform. , 2020, , .		16
3	Temporal Pattern Specifications for Self-Adaptive Requirements. Recent Patents on Computer Science, 2019, 12, 58-68.	0.5	2
4	Investigating relationships between functional coupling and the energy efficiency of embedded software. Software Quality Journal, 2018, 26, 491-519.	2.2	3
5	Coping with uncertainties in estimating requirements development effort. , 2018, , .		1
6	Estimating the Performance of Cloud-Based Systems Using Benchmarking and Simulation in a Complementary Manner. Lecture Notes in Computer Science, 2018, , 576-591.	1.3	3
7	Using Blockchain to Enhance the Trustworthiness of Business Processes: A Goal-Oriented Approach. , 2018, , .		23
8	GOMA: Supporting Big Data Analytics with a Goal-Oriented Approach. , 2016, , .		8
9	Big data: A requirements engineering perspective. , 2016, , .		2
10	Representing Micro-Business Requirements Patterns with Associated Software Components. International Journal of Information System Modeling and Design, 2014, 5, 71-90.	1.1	0
11	A requirements-based approach for representing micro-business patterns. , 2013, , .		1
12	A goal-oriented simulation approach for obtaining good private cloud-based system architectures. Journal of Systems and Software, 2013, 86, 2242-2262.	4.5	15
13	REUBI: A Requirements Engineering method for ubiquitous systems. Science of Computer Programming, 2013, 78, 1895-1911.	1.9	23
14	A Static Birthmark for MS Windows Applications Using Import Address Table. , 2013, , .		13
15	The RE-Tools: A multi-notational requirements modeling toolkit. , 2012, , .		19
16	System and software solution-oriented architectures. Science of Computer Programming, 2012, 77, 1-3.	1.9	1
17	Novel approaches in the design and implementation of system/software architectures. Journal of Systems and Software, 2012, 85, 459-462.	4.5	0
18	2011 First International Workshop on Requirements Patterns. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
19	A Survey on Indoor Positioning Systems: Foreseeing a Quality Design. Advances in Intelligent and Soft Computing, 2010, , 373-380.	0.2	15
20	Capturing and Reusing Functional and Non-functional Requirements Knowledge: A Goal-Object Pattern Approach. , 2006, , .		19
21	Applying a Goal-Oriented Method for Hazard Analysis: A Case Study. , 2006, , .		4
22	Managing change in an OTS-aware requirements engineering approach. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2005, 30, 1-4.	0.7	0
23	4.4.2 Quantifying the Evolution of Goals in Requirements Engineering: A Study on the Quality Assurance Review Assistant Tool. Incose International Symposium, 2005, 15, 668-680.	0.6	0
24	Adaptable architecture generation for embedded systems. Journal of Systems and Software, 2004, 71, 271-295.	4.5	17
25	Defining goals in a COTS-aware requirements engineering approach. Systems Engineering, 2004, 7, 61-83.	2.7	15
26	ACASAâ€"a framework for Adaptable COTS-Aware Software Architecting. Computer Standards and Interfaces, 2003, 25, 223-231.	5.4	1
27	Architecture-based semantic evolution of embedded remotely controlled systems. Journal of Software: Evolution and Process, 2003, 15, 145-190.	1.1	2
28	6.7.2 Defining an Architecture with a COTSâ€"Aware Software Engineering Process. Incose International Symposium, 2003, 13, 1219-1228.	0.6	5
29	Software architecture adaptability. , 2002, , .		27
30	Tool support for engineering adaptability into software architecture. , 2002, , .		4
31	A knowledge-based COTS-aware requirements engineering approach. , 2002, , .		23
32	3.5.4 A COTSâ€"Aware Requirements Engineering Process: a Goalâ€"and Agentâ€"oriented Approach. Incose International Symposium, 2002, 12, 935-942.	0.6	2
33	Testable embedded system firmware development: the outâ€"in methodology. Computer Standards and Interfaces, 2000, 22, 337-352.	5.4	3
34	Non-Functional Requirements in Software Engineering. , 2000, , .		1,026
35	From object-oriented to goal-oriented requirements analysis. Communications of the ACM, 1999, 42, 31-37.	4.5	497
36	Dealing with change: An approach using non-functional requirements. Requirements Engineering, 1996, 1, 238-260.	3.1	48

#	Article	IF	Citations
37	Dealing with non-functional requirements. , 1995, , .		120
38	Dealing with security requirements during the development of information systems. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 1993, , 234-251.	0.3	45
39	From information system requirements to designs: A mapping framework. Information Systems, 1991, 16, 429-461.	3.6	23
40	Representation and utilization of non-functional requirements for information system design. Lecture Notes in Computer Science, 1991, , 5-30.	1.3	33