

Samarjit Chakraborty

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.

232 papers	2,286 citations	22 h-index	32 g-index
309 ext. papers	2,968 ext. citations	2.2 avg, IF	5.09 L-index

#	Paper	IF	Citations
232	Tool Integration for Automated Synthesis of Distributed Embedded Controllers. <i>ACM Transactions on Cyber-Physical Systems</i> , 2022 , 6, 1-31	2.3	
231	How reliable is smartphone-based electronic contact tracing for COVID-19?. <i>Communications of the ACM</i> , 2022 , 65, 56-67	2.5	3
230	Reliable CPS Design for Unreliable Hardware Platforms. <i>Embedded Systems</i> , 2021 , 545-563		
229	UBAR. <i>Transactions on Embedded Computing Systems</i> , 2021 , 20, 1-25	1.8	1
228	. <i>IEEE Transactions on Computers</i> , 2021 , 70, 1059-1073	2.5	1
227	Timing Debugging for Cyber-Physical Systems 2021 ,		2
226	Guest Editors Introduction: Cross-Layer Design of CyberPhysical Systems. <i>IEEE Design and Test</i> , 2021 , 38, 5-7	1.4	
225	User-centric Resource Management for Embedded Multi-core Processors 2020 ,		2
224	Debugging FPGA-accelerated Real-time Systems 2020 ,		1
223	Energy Modeling for the Bluetooth Low Energy Protocol. <i>Transactions on Embedded Computing Systems</i> , 2020 , 19, 1-32	1.8	8
222	Introduction to the Special Issue on Transportation Cyber-Physical Systems. <i>ACM Transactions on Cyber-Physical Systems</i> , 2020 , 4, 1-3	2.3	1
221	CPS-oriented Modeling and Control of Traffic Signals Using Adaptive Back Pressure 2020 ,		3
220	Optimizing BLE-Like Neighbor Discovery. <i>IEEE Transactions on Mobile Computing</i> , 2020 , 1-1	4.6	2
219	A Programmable Open Architecture Testbed for CPS Education. <i>IEEE Design and Test</i> , 2020 , 37, 31-38	1.4	2
218	Intelligent Chargers Will Make Mobile Devices Live Longer. <i>IEEE Design and Test</i> , 2020 , 37, 42-49	1.4	2
217	In-Vehicle Object-Level 3D Reconstruction of Traffic Scenes. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 1-13	6.1	1
216	On optimal neighbor discovery 2019 ,		4

215	Tighter Dimensioning of Heterogeneous Multi-Resource Autonomous CPS with Control Performance Guarantees 2019 ,		5
214	In Situ Latency Monitoring for Heterogeneous Real-Time Systems 2019 ,		2
213	Design Automation for Energy Storage Systems 2019 , 261-286		
212	Efficient lossless compression for depth information in traffic scenarios. <i>Multimedia Systems</i> , 2019 , 25, 293-306	2.2	2
211	Scalable and precise estimation and debugging of the worst-case execution time for analysis-friendly processors: a comeback of model checking. <i>International Journal on Software Tools for Technology Transfer</i> , 2019 , 21, 515-543	1.3	0
210	Exploiting System Dynamics for Resource-Efficient Automotive CPS Design 2019 ,		1
209	WCET Analysis meets Virtual Prototyping 2019 ,		1
208	Optimal Dimensioning and Control of Active Cell Balancing Architectures. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 9632-9646	6.8	5
207	2019 ,		7
206	Unsupervised and Supervised Learning with the Random Forest Algorithm for Traffic Scenario Clustering and Classification 2019 ,		3
205	Semantics-Preserving Cosynthesis of Cyber-Physical Systems. <i>Proceedings of the IEEE</i> , 2018 , 106, 171-200	4.3	10
204	SOH-aware active cell balancing strategy for high power battery packs 2018 ,		10
203	Design optimization of photovoltaic arrays on curved surfaces 2018 ,		2
202	OS-Aware Automotive Controller Design Using Non-Uniform Sampling. <i>ACM Transactions on Cyber-Physical Systems</i> , 2018 , 2, 1-22	2.3	9
201	Cache-aware task scheduling for maximizing control performance 2018 ,		1
200	Neighbor Discovery Latency in BLE-Like Protocols. <i>IEEE Transactions on Mobile Computing</i> , 2018 , 17, 617-631	4.1	20
199	TTW: A Time-Triggered Wireless design for CPS 2018 ,		5
198	Design automation for battery systems 2018 ,		2

197	Multi-Pattern Active Cell Balancing Architecture and Equalization Strategy for Battery Packs 2018 ,		3
196	Design and validation of fault-tolerant embedded controllers 2018 ,		2
195	. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2017 , 36, 214-226	2.5	13
194	Automotive Electrical and Electronic Architecture Security via Distributed In-Vehicle Traffic Monitoring. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2017 , 36, 1790-1803	2.5	26
193	Security in Automotive Networks. <i>ACM Transactions on Design Automation of Electronic Systems</i> , 2017 , 22, 1-27	1.5	37
192	. <i>IEEE Transactions on Computers</i> , 2017 , 66, 1790-1803	2.5	14
191	Dynamic Alternation of Huffman Codebooks for Sensor Data Compression. <i>IEEE Embedded Systems Letters</i> , 2017 , 9, 81-84	1	5
190	Extensibility-Driven Automotive In-Vehicle Architecture Design 2017 ,		4
189	Understanding slotless neighbor discovery 2017 ,		1
188	Battery assignment and scheduling for drone delivery businesses 2017 ,		14
187	Griassdi 2017 ,		10
186	Specification, Verification and Design of Evolving Automotive Software 2017 ,		1
185	Dynamic Platforms for Uncertainty Management in Future Automotive E/E Architectures 2017 ,		2
184	Modular Active Charge Balancing for Scalable Battery Packs. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2017 , 25, 974-987	2.6	26
183	Memory-Aware Embedded Control Systems Design. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2017 , 36, 586-599	2.5	17
182	Rapid Analysis of Active Cell Balancing Circuits. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2017 , 36, 694-698	2.5	3
181	Estimating the Limits of CPU Power Management for Mobile Games 2017 ,		2
180	Effectively utilizing elastic resources in networked control systems 2017 ,		3

179	Development and Verification of a Flight Stack for a High-Altitude Glider in Ada/SPARK 2014. <i>Lecture Notes in Computer Science</i> , 2017 , 105-116	0.9	0
178	Control/Architecture Codesign for Cyber-Physical Systems 2017 , 1221-1260		3
177	Testing automotive embedded systems under X-in-the-loop setups 2016 ,		10
176	Open source model and simulator for real-time performance analysis of automotive network security. <i>ACM SIGBED Review</i> , 2016 , 13, 8-13	1.3	9
175	TIC: a scalable model checking based approach to WCET estimation 2016 ,		5
174	Multi-Objective Co-Optimization of FlexRay-Based Distributed Control Systems 2016 ,		15
173	Multischedule Synthesis for Variant Management in Automotive Time-Triggered Systems. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2016 , 35, 637-650	2.5	8
172	Control/Architecture Codesign for Cyber-Physical Systems 2016 , 1-40		
171	GigE Vision Data Acquisition for Visual Servoing using SG/DMA Proxying 2016 ,		4
170	EGON: Portable in-situ energy measurement for low-power sensor devices 2016 ,		2
169	Automated synthesis of cyber-physical systems from joint controller/architecture specifications 2016 ,		3
168	Frame-based and thread-based power management for mobile games on HMP platforms 2016 ,		8
167	Web browser workload characterization for power management on HMP platforms 2016 ,		8
166	Design space exploration of drone infrastructure for large-scale delivery services 2016 ,		9
165	Resource-aware Automotive Control Systems Design: A Cyber-Physical Systems Approach. <i>Foundations and Trends in Electronic Design Automation</i> , 2016 , 10, 249-369	1	23
164	Model-based design of resource-efficient automotive control software 2016 ,		7
163	Automotive CyberPhysical Systems: A Tutorial Introduction. <i>IEEE Design and Test</i> , 2016 , 33, 92-108	1.4	41
162	On Battery Recovery Effect in Wireless Sensor Nodes. <i>ACM Transactions on Design Automation of Electronic Systems</i> , 2016 , 21, 1-28	1.5	14

161	Distributed reconfigurable Battery System Management Architectures 2016 ,		20
160	Cyber-Physical Co-Simulation Framework for Smart Cells in Scalable Battery Packs. <i>ACM Transactions on Design Automation of Electronic Systems</i> , 2016 , 21, 1-26	1.5	13
159	Schedule Management Framework for Cloud-Based Future Automotive Software Systems 2016 ,		4
158	Many-to-many active cell balancing strategy design 2015 ,		9
157	Time Series Characterization of Gaming Workload for Runtime Power Management. <i>IEEE Transactions on Computers</i> , 2015 , 64, 260-273	2.5	11
156	Reliable CPS Design for Mitigating Semiconductor and Battery Aging in Electric Vehicles 2015 ,		10
155	Smart2: Smart Charging for Smart Phones 2015 ,		6
154	ExPerio IExploiting periodicity for opportunistic energy-efficient data transmission 2015 ,		9
153	Security analysis of automotive architectures using probabilistic model checking 2015 ,		24
152	Decentralized diagnosis of permanent faults in automotive E/E architectures 2015 ,		2
151	Inductor Optimization for Active Cell Balancing using Geometric Programming 2015 ,		4
150	Lightweight Authentication for Secure Automotive Networks 2015 ,		19
149	Adaptive online power-management for Bluetooth Low Energy 2015 ,		7
148	Hybrid Apps: Apps for the Internet of Things 2015 ,		2
147	Guest Editorial Special Section on Automotive Embedded Systems and Software. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2015 , 34, 1701-1703	2.5	3
146	Reconfigurable Communication Middleware for Flex Ray-Based Distributed Embedded Systems 2015 ,		2
145	Approaches for Software Verification of An Emergency Recovery System for Micro Air Vehicles. <i>Lecture Notes in Computer Science</i> , 2015 , 369-385	0.9	1
144	Task- and network-level schedule co-synthesis of Ethernet-based time-triggered systems 2014 ,		32

143	Schedule Integration Framework for Time-Triggered Automotive Architectures 2014 ,		11
142	Optimal dimensioning of active cell balancing architectures 2014 ,		3
141	Lightweight graphics instrumentation for game state-specific power management in Android. <i>Multimedia Systems</i> , 2014 , 20, 563-578	2.2	23
140	Fault-tolerant control synthesis and verification of distributed embedded systems 2014 ,		3
139	Optimal dimensioning of active cell balancing architectures 2014 ,		2
138	Battery- and Aging-Aware Embedded Control Systems for Electric Vehicles 2014 ,		13
137	AR-IVI Implementation of In-Vehicle Augmented Reality 2014 ,		6
136	Design Methods for Augmented Reality In-Vehicle Infotainment Systems 2014 ,		9
135	Relaxing Signal Delay Constraints in Distributed Embedded Controllers. <i>IEEE Transactions on Control Systems Technology</i> , 2014 , 22, 2337-2345	4.8	26
134	Fault-tolerant embedded control systems for unreliable hardware 2014 ,		4
133	Quantifying Notions of Extensibility in FlexRay Schedule Synthesis. <i>ACM Transactions on Design Automation of Electronic Systems</i> , 2014 , 19, 1-37	1.5	7
132	Safety Evaluation of Automotive Electronics Using Virtual Prototypes 2014 ,		27
131	Timing challenges in automotive software architectures 2014 ,		3
130	Aging mitigation of power supply-connected batteries 2014 ,		2
129	Policy-based message scheduling using FlexRay 2014 ,		5
128	The Medical Cyber-physical Systems Activity at EIT: A Look under the Hood 2014 ,		5
127	Smart Cells for Embedded Battery Management 2014 ,		31
126	2014 ,		6

125	Stixel on the Bus: An Efficient Lossless Compression Scheme for Depth Information in Traffic Scenarios. <i>Lecture Notes in Computer Science</i> , 2014 , 568-579	0.9	1
124	Exploration of Distributed Automotive Systems Using Compositional Timing Analysis. <i>Embedded Systems</i> , 2014 , 189-204		1
123	Resource augmentation for uniprocessor and multiprocessor partitioned scheduling of sporadic real-time tasks. <i>Real-Time Systems</i> , 2013 , 49, 475-516	1.3	6
122	Formal verification of distributed controllers using Time-Stamped Event Count Automata 2013 ,		4
121	Schedule integration for time-triggered systems 2013 ,		6
120	Compositional analysis of switched Ethernet topologies 2013 ,		3
119	Priority assignment for event-triggered systems using mathematical programming 2013 ,		5
118	Multi-layered scheduling of mixed-criticality cyber-physical systems. <i>Journal of Systems Architecture</i> , 2013 , 59, 1215-1230	5.5	18
117	Stochastic modeling and performance analysis of multimedia SoCs 2013 ,		2
116	Multirate controller design for resource- and schedule-constrained automotive ECUs 2013 ,		13
115	Reliability challenges for electric vehicles 2013 ,		16
114	Security challenges in automotive hardware/software architecture design 2013 ,		53
113	System architecture and software design for electric vehicles 2013 ,		18
112	Modular system-level architecture for concurrent cell balancing 2013 ,		18
111	Power management using game state detection on android smartphones 2013 ,		10
110	Model-based development and verification of control software for electric vehicles 2013 ,		5
109	How to engineer tool-chains for automotive E/E architectures?. <i>ACM SIGBED Review</i> , 2013 , 10, 6-15	1.3	2
108	Dimensioning and configuration of EES systems for electric vehicles with boundary-conditioned adaptive scalarization 2013 ,		2

107	Arbitrated Network Control Systems: A Co-Design of Control and Platform for Cyber-Physical Systems. <i>Lecture Notes in Control and Information Sciences</i> , 2013 , 339-356	0.5	9
106	Customizing Instruction Set Extensible Reconfigurable Processors Using GPUs 2012 ,		1
105	Partitioned Packing and Scheduling for Sporadic Real-Time Tasks in Identical Multiprocessor Systems 2012 ,		13
104	Schedulability Analysis for Processors with Aging-Aware Autonomic Frequency Scaling 2012 ,		13
103	Reliability-Aware Instruction Set Customization for ASIPs with Hardened Logic 2012 ,		3
102	Managing power for closed-source android os games by lightweight graphics instrumentation 2012 ,		10
101	Modular scheduling of distributed heterogeneous time-triggered automotive systems 2012 ,		26
100	Cyber-Physical Systems Design for Electric Vehicles 2012 ,		12
99	Challenges in automotive cyber-physical systems design 2012 ,		25
98	Embedded systems and software challenges in electric vehicles 2012 ,		36
97	Performance debugging of Esterel specifications. <i>Real-Time Systems</i> , 2012 , 48, 570-600	1.3	6
96	Concurrent architecture and schedule optimization of time-triggered automotive systems 2012 ,		6
95	A hybrid approach to cyber-physical systems verification 2012 ,		41
94	Robust image processing for an omnidirectional camera-based smart car door. <i>Transactions on Embedded Computing Systems</i> , 2012 , 11, 1-28	1.8	5
93	Time-triggered implementations of mixed-criticality automotive software 2012 ,		21
92	Adaptive switching controllers for systems with hybrid communication protocols 2012 ,		8
91	Timing analysis of cyber-physical applications for hybrid communication protocols 2012 ,		6
90	The Arbitrated Networked Control Systems Approach to Designing Cyber-Physical Systems*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 174-179		9

89	Interface-Based Design of Real-Time Systems 2012 , 83-101		1
88	Automatic generation of topological indoor maps for real-time map-based localization and tracking 2011 ,		9
87	Timing and schedulability analysis for distributed automotive control applications 2011 ,		2
86	Design and architectures for dependable embedded systems 2011 ,		58
85	Video Quality Driven Buffer Sizing via Frame Drops 2011 ,		7
84	Multiprocessor extensions to real-time calculus. <i>Real-Time Systems</i> , 2011 , 47, 562-617	1.3	5
83	Program-aware circuit level timing analysis 2011 ,		3
82	Resource Augmentation Bounds for Approximate Demand Bound Functions 2011 ,		21
81	Co-design of cyber-physical systems via controllers with flexible delay constraints 2011 ,		18
80	FlexRay switch scheduling DA networking concept for electric vehicles 2011 ,		4
79	Schedulability analysis of distributed cyber-physical applications on mixed time-/event-triggered bus architectures with retransmissions 2011 ,		5
78	Shadow-based vehicle model refinement and tracking in advanced automotive driver assistance systems 2011 ,		2
77	On the quantification of sustainability and extensibility of FlexRay schedules 2011 ,		7
76	On buffering with stochastic guarantees in resource-constrained media players 2011 ,		6
75	Constraint-driven synthesis and tool-support for FlexRay-based automotive control systems 2011 ,		16
74	Cross-layer analysis, testing and verification of automotive control software 2011 ,		7
73	Designing VM schedulers for embedded real-time applications 2011 ,		6
72	Near-Optimal Constant-Time Admission Control for DM Tasks via Non-uniform Approximations 2011 ,		1

71	LMS-based low-complexity game workload prediction for DVFS 2010 ,		19
70	Design space exploration of instruction set customizable MPSoCs for multimedia applications 2010 ,		2
69	Comparing Bluetooth HDP and SPP for Mobile Health Devices 2010 ,		10
68	VM-Based Real-Time Services for Automotive Control Applications 2010 ,		12
67	Optimizing hierarchical schedules for improved control performance 2010 ,		16
66	Constant-time admission control for Deadline Monotonic tasks 2010 ,		6
65	High-level timing analysis of concurrent applications on MPSoC platforms using memory-aware trace-driven simulations 2010 ,		6
64	Optimized Schedule Synthesis under Real-Time Constraints for the Dynamic Segment of FlexRay 2010 ,		10
63	Constant-Time Admission Control for Partitioned EDF 2010 ,		4
62	GPU-based Acceleration of System-level Design Tasks. <i>International Journal of Parallel Programming</i> , 2010 , 38, 225-253	1.5	5
61	EMSOFT 2009 guest editors' Introduction. <i>Design Automation for Embedded Systems</i> , 2010 , 14, 163-164	0.6	
60	Timing analysis of estereel programs on general-purpose multiprocessors 2010 ,		8
59	Mobile Phone Assisted Cooperative On-Node Processing for Physical Activity Monitoring. <i>Lecture Notes in Computer Science</i> , 2010 , 239-251	0.9	
58	An Interface Algebra for Estimating Worst-Case Traversal Times in Component Networks. <i>Lecture Notes in Computer Science</i> , 2010 , 198-213	0.9	1
57	Tuning Machine-Learning Algorithms for Battery-Operated Portable Devices. <i>Lecture Notes in Computer Science</i> , 2010 , 502-513	0.9	0
56	Lightweight Modeling of Complex State Dependencies in Stream Processing Systems 2009 ,		4
55	2009 ,		8
54	Designing heterogeneous ECU networks via compact architecture encoding and hybrid timing analysis 2009 ,		8

53	Context-sensitive timing analysis of Esterel programs 2009 ,	17
52	Cache-aware optimization of BAN applications. <i>Design Automation for Embedded Systems</i> , 2009 , 13, 159-178	1
51	Cache-aware timing analysis of streaming applications. <i>Real-Time Systems</i> , 2009 , 41, 52-85	1.3 8
50	Evaluating design trade-offs in customizable processors 2009 ,	8
49	Accelerating System-Level Design Tasks Using Commodity Graphics Hardware: A Case Study 2009 ,	4
48	Timing Analysis of Mixed Time/Event-Triggered Multi-Mode Systems 2009 ,	9
47	Schedulability Analysis of MSC-based System Models 2008 ,	3
46	A Multi-mode Real-Time Calculus 2008 ,	16
45	A Hybrid DVS Scheme for Interactive 3D Games 2008 ,	20
44	Power Management of Interactive 3D Games Using Frame Structures 2008 ,	20
43	Control theory-based DVS for interactive 3D games 2008 ,	32
42	Application-specific workload shaping in multimedia-enabled personal mobile devices. <i>Transactions on Embedded Computing Systems</i> , 2008 , 7, 1-22	1.8 3
41	Intra- and inter-processor hybrid performance modeling for MPSoC architectures 2008 ,	4
40	Performance debugging of Esterel specifications 2008 ,	15
39	Cache-Aware Timing Analysis of Streaming Applications. <i>Real-Time Systems (ECRTS), Proceedings of the Euromicro Workshop on</i> , 2007 ,	1
38	Editorial for the Special Issue on Field Programmable Technology. <i>Journal of Signal Processing Systems</i> , 2007 , 47, 1-2	
37	2007 ,	18
36	Reducing data-memory footprint of multimedia applications by delay redistribution. <i>Proceedings - Design Automation Conference</i> , 2007 ,	3

35	Interactive schedulability analysis. <i>Transactions on Embedded Computing Systems</i> , 2007 , 7, 1-27	1.8	0
34	Performance Debugging of Real-Time Systems Using Multicriteria Schedulability Analysis 2007 ,		2
33	Performance analysis of FlexRay-based ECU networks. <i>Proceedings - Design Automation Conference</i> , 2007 ,		25
32	Composing Functional and State-Based Performance Models for Analyzing Heterogeneous Real-Time Systems 2007 ,		13
31	Fast Schedulability Analysis Using Commodity Graphics Hardware. <i>Gifted and Talented International</i> , 2007 ,	1	5
30	Performance Debugging of Heterogeneous Real-Time Systems 2007 , 285-300		
29	Application-specific workload shaping in multimedia-enabled personal mobile devices 2006 ,		2
28	Games are up for DVFS 2006 ,		32
27	Schedulability analysis of non-preemptive recurring real-time tasks 2006 ,		17
26	Interface-Based Rate Analysis of Embedded Systems 2006 ,		19
25	A perception-aware low-power software audio decoder for portable devices 2005 ,		1
24	Performance analysis of multiprocessor DSPs: a stream-oriented component model. <i>IEEE Signal Processing Magazine</i> , 2005 , 22, 38-46	9.4	16
23	Meeting CPU constraints by delaying playout of multimedia tasks 2005 ,		1
22	Approximate VCCs 2005 ,		7
21	DVS for buffer-constrained architectures with predictable QoS-energy tradeoffs 2005 ,		19
20	Power-aware bandwidth and stereo-image scalable audio decoding 2005 ,		1
19	Using offline bitstream analysis for power-aware video decoding in portable devices 2005 ,		11
18	. <i>IEEE Design and Test of Computers</i> , 2004 , 21, 368-377		5

17	Tuning SoC platforms for multimedia processing 2004 ,		18
16	Performance evaluation of network processor architectures: combining simulation with analytical estimation. <i>Computer Networks</i> , 2003 , 41, 641-665	5.4	59
15	A framework for evaluating design tradeoffs in packet processing architectures. <i>Proceedings - Design Automation Conference</i> , 2002 ,		15
14	Generating an action notation environment from Montages descriptions. <i>International Journal on Software Tools for Technology Transfer</i> , 2001 , 3, 431-455	1.3	3
13	On the Complexity of Scheduling Conditional Real-Time Code. <i>Lecture Notes in Computer Science</i> , 2001 , 38-49	0.9	14
12	Embedded Software in Network Processors [Models and Algorithms. <i>Lecture Notes in Computer Science</i> , 2001 , 416-434	0.9	21
11	Computing Largest Common Point Sets under Approximate Congruence. <i>Lecture Notes in Computer Science</i> , 2000 , 52-64	0.9	12
10	Heat exchanger network synthesis: the possibility of randomization. <i>Chemical Engineering Journal</i> , 1999 , 72, 209-216	14.7	22
9	Model-Based Object Recognition from a Complex Binary Imagery Using Genetic Algorithm. <i>Lecture Notes in Computer Science</i> , 1999 , 150-161	0.9	1
8	Approximation Algorithms for 3-D Common Substructure Identification in Drug and Protein Molecules. <i>Lecture Notes in Computer Science</i> , 1999 , 253-264	0.9	10
7	Analytic curve detection from a noisy binary edge map using genetic algorithm. <i>Lecture Notes in Computer Science</i> , 1998 , 129-138	0.9	2
6	A new task model for streaming applications and its schedulability analysis		14
5			18
4	Interactive Schedulability Analysis		3
3	Rate analysis for streaming applications with on-chip buffer constraints		14
2	Processor frequency selection for SoC platforms for multimedia applications		5
1	A general framework for analysing system properties in platform-based embedded system designs		117