

ID	Title	Authors	Year
1	Making web applications more energy efficient for OLE	Li, Ding; Tran, Angelica Huyen; H	2014
2	Energy types	Cohen, Michael; Zhu, Haitao Stev	2012
3	Share sens: An approach to optimizing energy consum	Moamen, Ahmed Abdel; Jamali, N	2015
4	Energy efficient data encryption techniques in smartph	Mujtaba, Ghulam; Tahir, Muhamm	2019
5	Detecting energy bugs and hotspots in mobile apps	Banerjee, Abhijeet; Chong, Lee K	2014
6	Investigating the correlation between performance sco	Chan-Jong-Chu, Kwame; Islam, T	2020
7	Jolinar: analysing the energy footprint of software appli	Noureddine, Adel; Islam, Syed; B	2016
8	A preliminary study of the impact of software engineeri	Noureddine, Adel; Bourdon, Aurel	2012
9	Object-oriented genetic improvement for improved ene	Burles, Nathan; Bowles, Edward;	2015
10	An Automated Code Optimizer of Design Patterns for F	Din, Jamilah; Wei, Ooi Chiew; Jas	2018
11	The power of system call traces: predicting the softwar	Aggarwal, Karan; Zhang, Chenlei	2014
12	Investigating the Impact of Code Refactoring Techniqu	Sanlialp, Ibrahim; Ozturk, Muham	2019
13	Refactoring android java code for on-demand computa	Zhang, Ying; Huang, Gang; Liu, X	2012
14	Exploiting significance of computations for energy-cons	Vassiliadis, Vassilis; Chaliros, Cha	2016
15	Estimating software energy consumption with machine	Fu, Cuijiao; Qian, Depei; Luan, Zh	2018
16	Android app energy efficiency: The impact of language	Chen, Xinbo; Zong, Ziliang	2016
17	Green software: Refactoring approach	Sehgal, Rajni; Mehrotra, Deepti; M	2020
18	EnerJ: Approximate data types for safe and general lov	Sampson, Adrian; Dietl, Werner; F	2011
19	How to measure energy-efficiency of software: Metrics	Johann, Timo; Dick, Markus; Nau	2012
20	Calculating source line level energy information for and	Li, Ding; Hao, Shuai; Halfond, Wil	2013
21	Studying energy trade offs in offloading computation/cc	Chen, Guangyu; Kang, B.-T.; Kan	2004
22	Energy efficient software development life cycle-An ap	Sharma, Sunil Kumar; Gupta, P. k	2015
23	Analysis of energy consumption and optimization techn	Corral-García, Javier; Lemus-Prie	2019
24	Green web services: Modeling and estimating power co	Bartalos, Peter; Blake, M. Brian	2012
25	Energy-efficient multisite offloading policy using Marko	Terefe, Mati B.; Lee, Heezin; Heo	2016
26	Towards a green ranking for programming languages	Couto, Marco; Pereira, Rui; Ribeir	2017
27	A programming environment with runtime energy chara	Xian, Changjiu; Lu, Yung-Hsiang;	2007
28	Estimating mobile application energy consumption usin	Hao, Shuai; Li, Ding; Halfond, Wil	2013

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29	Unit testing of energy consumption of software libraries	Noureddine, Adel; Rouvoy, Roma	2014
30	Manageable granularity in mobile application code offload	Yang, Sirui	2012
31	Software-based energy profiling of android apps: Simple	Di Nucci, Dario; Palomba, Fabio;	2017
32	Evaluating the Impact of Java Virtual Machines on Energy	Ournani, Zakaria; Belgaid, Mohan	2021
33	Green configurations of functional quality attributes	Horcas, Jose-Miguel; Pinto, Mónica	2017
34	Environmental Sustainability Coding Techniques for Cloud	Ahmed, Shakeel	2020
35	A process for analysing the energy efficiency of software	Mancebo, Javier; García, Félix; C	2021
36	Code Smell Refactoring for Energy Optimization of Android	Sehgal, Rajni; Mehrotra, Deepti; M	2021
37	Automated re-factoring of android apps to enhance energy	Banerjee, Abhijeet; Roychoudhury	2016
38	Android AppScope: Application Energy Metering Framework	Yoon, Chanmin; Kim, Dongwon; J	2012
39	Early analysis of resource consumption patterns in mobile	Berrocal, Javier; Garcia-Alonso, J	2017
40	Removing Decorator to Improve Energy Efficiency	Bree, Déaglán Connolly; Cinnéide	2022
41	Understanding green software development: A conceptual	Ardito, Luca; Procaccianti, Giusep	2015
42	Predicting data structures for energy efficient computation	Michanan, Junya; Dewri, Rinku; F	2015
43	Automated energy optimization of http requests for mobile	Li, Ding; Lyu, Yingjun; Gui, Jiaping	2016
44	Green: A framework for supporting energy-conscious program	Baek, Woongki; Chilimbi, Trishul I	2010
45	Towards power reduction through improved software develop	Sahin, Cagri; Cayci, Furkan; Clau	2012
46	A study of the energy consumption of databases and cloud	Bani, Béchir; Khomh, Foutse; Gu	2016
47	Using the Greenup, Powerup, and Speedup metrics to	Abdulsalam, Sarah; Zong, Ziliang	2015
48	Performance events based full system estimation on android	Yang, Shu; Luan, Zhongzhi; Li, Bi	2016
49	EARLY ANALYSIS OF SOFTWARE ARCHITECTURE	AL NIDAWI, HASAN SAJID ATTA	2018
50	Saving Energy on Mobile Devices by Refactoring.	Gottschalk, Marion; Jelschen, Jar	2014
51	Deep parameter optimisation on android smartphones	Bokhari, Mahmoud A.; Bruce, Bok	2017
52	Catalog of energy patterns for mobile applications	Cruz, Luis; Abreu, Rui	2019
53	Exploring evolutionary search strategies to improve applica	Manotas, Irene; Clause, James; F	2018
54	Inheritance versus delegation: Which is more energy effici	Connolly Bree, Déaglán; Cinnéide	2020
55	Greenadvisor: A tool for analyzing the impact of software	Aggarwal, Karan; Hindle, Abram;	2015
56	Phone2Cloud: Exploiting computation offloading for energy	Xia, Feng; Ding, Fangwei; Li, Jie;	2014

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57	Automated Refactoring for Energy-Aware Software	Bree, Déaglán Connolly; Cinnéide	2021
58	Choosing the "Best" Sorting Algorithm for Optimal Energy	Bunse, Christian; Höpfner, Hagen	2009
59	Energy efficient data sorting using standard sorting alg	Bunse, Christian; Höpfner, Hagen	2009
60	Understanding the impact of object oriented programming	Maleki, Sepideh; Fu, Cuijiao; Ban	2017
61	Toward using software metrics as indicator to measure	Keong, Ching Kin; Wei, Koh Tieng	2015
62	Optimizing energy consumption of guis in android apps	Paper proposes a multi-objective	2015
63	Energy efficiency across programming languages: how	Pereira, Rui; Couto, Marco; Ribeir	2017
64	A study of energy-aware implementation techniques: R	Corral, Luis; Georgiev, Anton B.; S	2015
65	Comparing REST, SOAP, Socket and gRPC in comput	Chamas, Carolina Luiza; Cordeiro	2017
66	Green software requirements and measurement: rand	Beghouara, Mohamed Amine; Bou	2017
67	Extending software architecture views with an energy c	Jagroep, Erik; van der Werf, Jan I	2017
68	Mobile device power models for energy efficient dynan	Ali, Farhan Azmat; Simoens, Pieter	2016
69	Energy optimization in Android applications through wa	Alam, Faisal; Panda, Preeti Ranjan	2014
70	Energy Efficiency Analysis of Code Refactoring Techni	Şanlıalp, İbrahim; Öztürk, Muham	2022
71	Impacts of software and its engineering on the carbon	Kern, Eva; Dick, Markus; Naumark	2015
72	Green Patterns of User Interface Design: A Guideline f	Nayak, Jitesh; Chandwadkar, Apur	2021
73	Evaluation of Software Product Quality Attributes and E	Koçak, Sedef Akinli; Alptekin, Gül	2014
74	Self-adaptive battery and context aware mobile applica	Datta, Soumya Kanti; Bonnet, Ch	2014
75	Greenbundle: an empirical study on the energy impact	Chowdhury, Shaiful Alam; Hindle,	2019
76	Reducing energy consumption using genetic improvem	Bruce, Bobby R.; Petke, Justyna;	2015
77	Towards automatic significance analysis for approxima	Vassiliadis, Vassilis; Riehme, Jan	2016
78	Ape: An annotation language and middleware for energ	Nikzad, Nima; Chipara, Octav; Gr	2014
79	Investigating Energy and Security Trade-offs in the Cla	Peterson, Peter AH; Singh, Digvij	2011
80	Differences of energetic consumption between Java an	Ramírez, Ricardo Isidro; Rubio, E	2014
81	Self-adaptive energy-efficient applications: the hadas d	Horcas, Jose Miguel; Pinto, Mónica	2017
82	Fine-grained power management using process-level p	Chen, Hui; Li, Youhuizi; Shi, Weis	2012
83	Green mining: a methodology of relating software char	Hindle, Abram	2015
84	Greenminer: A hardware based mining software reposi	Hindle, Abram; Wilson, Alex; Rasi	2014

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85	A comprehensive study on the energy efficiency of java	Pinto, Gustavo; Liu, Kenan; Casto	2016
86	Initial explorations on design pattern energy usage	Sahin, Cagri; Cayci, Furkan; Gutie	2012
87	GREEN MOBILE APPLICATION DEVELOPMENT TH	Kasakliev, Nikolay; Somova, Elen	2019
88	Evaluating the impact of code smell refactoring on the	Anwar, Hina; Pfahl, Dietmar; Srira	2019
89	Is software “green”? Application development environn	Capra, Eugenio; Francalanci, Chi	2012
90	Exploring the energy consumption of data sorting algor	Bunse, Christian; Höpfner, Hagen	2009
91	Program energy efficiency: The impact of language, co	Abdulsalam, Sarah; Lakomski, Do	2014
92	What is keeping my phone awake? Characterizing and	Pathak, Abhinav; Jindal, Abhilash	2012
93	Haskell in green land: Analyzing the energy behavior o	Lima, Luís Gabriel; Soares-Neto,	2016
94	Process-level power estimation in vm-based systems	Colmant, Maxime; Kurpicz, Mascl	2015
95	Monitoring energy hotspots in software	Noureddine, Adel; Rouvoy, Roma	2015
96	Understanding the impact of cloud patterns on perform	Khomh, Foutse; Abtahizadeh, S. /	2018
97	On the impact of code smells on the energy consumpti	Palomba, Fabio; Di Nucci, Dario;	2019
98	An investigation into energy-saving programming pract	Li, Ding; Halfond, William GJ	2014
99	Greening an existing software system using the GPU	Scanniello, Giuseppe; Erra, Ugo;	2013
100	Understanding energy behaviors of thread managemen	Pinto, Gustavo; Castor, Fernando	2014
101	Assessment of rest and websocket in regards to their e	Herwig, Volker; Fischer, René; Br	2015
102	Anole: a case for energy-aware mobile application des	Chen, Hui; Luo, Bing; Shi, Weisor	2012
103	Variability models for generating efficient configurations	Horcas, Jose-Miguel; Pinto, Móni	2018
104	Energy Efficient Software Development Techniques for	Alsayyah, Aeshah A.; Ahmed, Sha	2020
105	Melta: A method level energy estimation technique for	Farooq, Muhammad Umer; Khan,	2019
106	An empirical study of the energy consumption of andro	Li, Ding; Hao, Shuai; Gui, Jiaping	2014
107	Characterizing the performance and energy efficiency o	Hunt, Nicholas; Sandhu, Paramjit	2011
108	A source-level energy optimization framework for mobi	Li, Xueliang; Gallagher, John P.	2016
109	Time-and-energy-aware computation offloading in han	Lin, Ying-Dar; Chu, Edward T.-H.;	2013
110	Tools supporting green computing in Erlang	Nagy, Gergely; Mészáros, Áron A	2019
111	Green software architectures: A market-based approach	Rangaraj, Govindaraj; Bahsoon, F	2010
112	Accurate online power estimation and automatic batter	Zhang, Lide; Tiwana, Birjodh; Qia	2010

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113	A green software development life cycle for cloud computing	Chauhan, Nitin Singh; Saxena, Anshu	2013
114	Seeds: A software engineer's energy-optimization decision support tool	Manotas, Irene; Pollock, Lori; Clark, David	2014
115	Investigation for Software Power Consumption of Code Snippets	Park, Jae Jin; Hong, Jang-Eui; Lee, Sang-Ho	2014
116	ptop: A process-level power profiling tool	Do, Thanh; Rawshdeh, Suhib; Shrivastava, Pratik	2009
117	Greenoracle: Estimating software energy consumption	Chowdhury, Shaiful Alam; Hindle, Alexander	2016
118	Energy profiles of java collections classes	Hasan, Samir; King, Zachary; Haffner, Michael	2016
119	Empirical evaluation of two best practices for energy-efficient code	Procaccianti, Giuseppe; Fernández, Juan Carlos	2016
120	Investigating the effect of design patterns on energy consumption	Feitosa, Daniel; Alders, Rutger; Azevedo, Joao	2017
121	Search-based energy optimization of some ubiquitous computing applications	Brownlee, Alexander Edward Ian; Brownlee, Alexander	2017
122	Optimising energy consumption of design patterns	Noureddine, Adel; Rajan, Ajitha	2015
123	Mining energy-greedy api usage patterns in android applications	Linares-Vásquez, Mario; Bavota, Gabriele	2014
124	An Aspect Oriented Model for Software Energy Efficiency	Chinenyeze, Samuel; Liu, Xiaodong	2014
125	Earmo: An energy-aware refactoring approach for mobile applications	Morales, Rodrigo; Saborido, Ruben	2017
126	Architectural Tactics to Optimize Software for Energy Efficiency	Vos, Sophie; Lago, Patricia; Verde, Joao	2022
127	Energy consumption and efficiency in mobile applications	Wilke, Claas; Richly, Sebastian; Giese, Michael	2013
128	Data-oriented characterization of application-level energy consumption	Liu, Kenan; Pinto, Gustavo; Liu, Yanyan	2015
129	Code-level Optimization for Program Energy Consumption	Fu, Cuijiao; Qian, Depei; Huang, Ting	2019
130	SPELLing out energy leaks: Aiding developers locate energy leaks	Pereira, Rui; Carção, Tiago; Coutinho, Paulo	2020
131	Model-based energy efficiency analysis of software architectures	Stier, Christian; Koziolk, Anne; Giese, Michael	2015
132	Seflab: A lab for measuring software energy footprints	Ferreira, Miguel A.; Hoekstra, Eric	2013
133	Impact of developer choices on energy consumption of mobile applications	Singh, Jasmeet; Naik, Kshirasagar	2015
134	The software perspective for energy-efficient mobile applications	Siebra, Claurton; Costa, Paulo; Mota, Paulo	2012
135	Comparing the Energy Consumption of Java I/O Libraries	Ournani, Zakaria; Rouvoy, Romain	2021
136	Measuring application software energy efficiency	Capra, Eugenio; Francalanci, Chiara	2012
137	How green are cloud patterns?	Abtahizadeh, S. Amirhossein; Khoshdel, Amir	2015
138	Leafactor: Improving energy efficiency of android apps	Cruz, Luis; Abreu, Rui; Rouvignac, Jean-Marc	2017
139	Towards an Energy-Consumption Based Complexity Classification	Höpfner, Hagen; Bunse, Christian	2010
140	Enforcing green code with Android lint	Goaër, Olivier Le	2020

ID	Title	Authors	Year
141	Software optimization for performance, energy, and the	Khan, Md Ashfaquzzaman; Hanke	2011
142	Managing the energy-delay tradeoff in mobile applicati	Nikzad, Nima; Radi, Marjan; Chip	2015