

Access provided by:  
INDIAN INSTITUTE OF  
TECHNOLOGY DELHI  
Sign Out

BROWSE

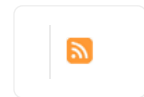
MY SETTINGS

GET HELP

WHAT CAN I ACCESS?

Browse Journals & Magazines > Communications Letters, IEEE ...

# Communications Letters, IEEE



Popular

Early Access

Current Issue

Past Issues

About Journal

Submit Your Manuscript

## Popular Articles (July 2015)

Includes the top 50 most frequently downloaded documents for this publication according to the most recent monthly usage statistics.

Select All Results

Sort by: Most Popular



**1. Energy Efficient Image Transmission in Wireless Multimedia Sensor Networks**

Aziz, S.M. ; Duc Minh Pham  
Publication Year: 2013 , Page(s): 1084 - 1087  
Cited by: Papers (7)

Abstract | PDF (1382 KB) | HTML

**2. Super-Resolution Sparse MIMO-OFDM Channel Estimation Based on Spatial and Temporal Correlations**

Zhen Gao ; Linglong Dai ; Zhaohua Lu ; Chau Yuen ; Zhaocheng Wang  
Publication Year: 2014 , Page(s): 1266 - 1269  
Cited by: Papers (4)

Abstract | PDF (558 KB) | HTML

**3. An Efficient Sensor Deployment Scheme for Large-Scale Wireless Sensor Networks**

Hoon Kim ; Sang-wook Han  
Publication Year: 2015 , Page(s): 98 - 101

Abstract | PDF (279 KB) | HTML

**4. Security-Aware Relaying Scheme for Cooperative Networks With Untrusted Relay Nodes**

Li Sun ; Pinyi Ren ; Qinghe Du ; Yichen Wang ; Zhenzhen Gao  
Publication Year: 2015 , Page(s): 463 - 466

Abstract | PDF (335 KB) | HTML

**5. Using Distance-Bounding Protocols to Securely Verify the Proximity of Two-Hop Neighbours**











Pagnin, E. ; Hancke, G. ; Mitroksa, A.  
Publication Year: 2015 , Page(s): 1173 - 1176

Abstract | PDF (255 KB) | HTML

**6. Cooperative Non-Orthogonal Multiple Access in 5G Systems**

Ding, Z. ; Peng, M. ; Poor, H.V.  
Publication Year: 2015 , Page(s): 1462 - 1465

[Abstract](#) | [PDF \(459 KB\)](#)

- 
- 7. Cooperative Resource Allocation for Self-Healing in Small Cell Networks** 
- Shaoshuai Fan ; Hui Tian  
Publication Year: 2015 , Page(s): 1221 - 1224
- [Abstract](#) | [PDF \(267 KB\)](#) | [HTML](#)
- 
- 8. Cell Outage Detection Based on Handover Statistics** 
- de la Bandera, I. ; Barco, R. ; Munoz, P. ; Serrano, I.  
Publication Year: 2015 , Page(s): 1189 - 1192
- [Abstract](#) | [PDF \(229 KB\)](#) | [HTML](#)
- 
- 9. Outage Analysis of Multi-Antenna Cognitive Hybrid Satellite-Terrestrial Relay Networks With Beamforming** 
- Kang An ; Jian Ouyang ; Min Lin ; Tao Liang  
Publication Year: 2015 , Page(s): 1157 - 1160
- [Abstract](#) | [PDF \(259 KB\)](#) | [HTML](#)
- 
- 10. Full-Duplex MAC Protocol Design and Analysis** 
- Yun Liao ; Kaigui Bian ; Lingyang Song ; Zhu Han  
Publication Year: 2015 , Page(s): 1185 - 1188
- [Abstract](#) | [PDF \(442 KB\)](#) | [HTML](#)
- 
- 11. Distributed Energy Efficient Fair User Association in Massive MIMO Enabled HetNets** 
- Liu, D. ; Wang, L. ; Chen, Y. ; Zhang, T. ; Chai, K. ; Elkashlan, M.  
Publication Year: 2015 , Page(s): 1
- [Abstract](#) | [PDF \(110 KB\)](#)
- 
- 12. Dynamic Resource Discovery Protocol for Software Defined Networks** 
- Jimenez, Y. ; Cervello-Pastor, C. ; Garcia, A.  
Publication Year: 2015 , Page(s): 743 - 746
- [Abstract](#) | [PDF \(359 KB\)](#) | [HTML](#)
- 
- 13. A Cross-Layer Watermarking-Based Mechanism for Data Aggregation Integrity in Heterogeneous WSNs** 
- Boubiche, D.E. ; Boubiche, S. ; Bilami, A.  
Publication Year: 2015 , Page(s): 823 - 826
- [Abstract](#) | [PDF \(414 KB\)](#) | [HTML](#)
- 
- 14. Energy Efficient Clustering Scheme for Prolonging the Lifetime of Wireless Sensor Network With Isolated Nodes** 
- Jenq-Shiou Leu ; Tung-Hung Chiang ; Min-Chieh Yu ; Kuan-Wu Su  
Publication Year: 2015 , Page(s): 259 - 262
- [Abstract](#) | [PDF \(650 KB\)](#) | [HTML](#)
- 
- 15. Blind Channel Estimation for MIMO-OFDM Systems With Low Order Signal Constellation** 
- Weile Zhang ; Feifei Gao ; Qinye Yin  
Publication Year: 2015 , Page(s): 499 - 502
- [Abstract](#) | [PDF \(269 KB\)](#) | [HTML](#)
- 
- 16. Sensor OpenFlow: Enabling Software-Defined Wireless Sensor Networks** 
- Tie Luo ; Hwee-Pink Tan ; Quek, T.Q.S.

Publication Year: 2012 , Page(s): 1896 - 1899

Cited by: Papers (16)


 |  |  Abstract | PDF (293 KB) |  HTML

**17. Energy Efficient Coordinated Beamforming Design in Multi-Cell Multicast Networks** 

Shiwen He ; Yongming Huang ; Shi Jin ; Luxi Yang

Publication Year: 2015 , Page(s): 985 - 988

 |  |  Abstract | PDF (307 KB) |  HTML

**18. AN-aided Secrecy Precoding for SWIPT in Cognitive MIMO Broadcast Channels** 

Fang, B. ; Qian, Z. ; Zhong, W. ; Shao, W.

Publication Year: 2015 , Page(s): 1

 |  |  Abstract | PDF (112 KB)

**19. Binary Linear Codes With Two Weights** 

Qiuyan Wang ; Kelan Ding ; Rui Xue

Publication Year: 2015 , Page(s): 1097 - 1100

 |  |  Abstract | PDF (112 KB) |  HTML

**20. The Uplink of Distributed MIMO: Wireless Network Coding versus Coordinated Multipoint** 

Dong Fang ; Burr, A.

Publication Year: 2015 , Page(s): 1229 - 1232

 |  Abstract | PDF (552 KB) |  HTML

**21. Efficient Receiver Architecture for LDPC Coded BICM-ID System** 

Tao Cheng ; Kewu Peng ; Zaishuang Liu ; Zhixing Yang

Publication Year: 2015 , Page(s): 1089 - 1092

 |  |  Abstract | PDF (706 KB) |  HTML

**22. Linear and Non-Linear Run Length Limited Codes** 

Lechner, G. ; Land, I. ; Grant, A.

Publication Year: 2015 , Page(s): 1085 - 1088

 |  |  Abstract | PDF (308 KB) |  HTML

**23. Scheduling in Successive Interference Cancellation based Wireless Ad Hoc Networks** 

Kontik, M. ; Coleri Ergen, S.

Publication Year: 2015 , Page(s): 1

 |  Abstract | PDF (240 KB)

**24. Joint Wireless Information and Power Transfer for an Autonomous Multiple Antenna Relay System** 

Yang Huang ; Clerckx, B.

Publication Year: 2015 , Page(s): 1113 - 1116

 |  |  Abstract | PDF (506 KB) |  HTML


**25. Future Internet of Things Architecture: Like Mankind Neural System or Social Organization Framework?** 

Huansheng Ning ; Ziou Wang





Publication Year: 2011 , Page(s): 461 - 463


Cited by: Papers (21)

 |  |  Abstract | PDF (378 KB) |  HTML





- 26. Spatial Modulation Achieves Information-Theoretically Optimal Energy Efficiency** 


Takeuchi, K.  
Publication Year: 2015 , Page(s): 1133 - 1136

 |  |  Abstract | PDF (127 KB) |  HTML




---
- 27. Cooperative AF Relaying With Beamforming and Limited Feedback in Cognitive Radio Networks** 


Afana, A. ; Ngatched, T.M.N. ; Dobre, O.A.  
Publication Year: 2015 , Page(s): 491 - 494

 |  |  Abstract | PDF (338 KB) |  HTML





---
- 28. Smart Pilot Assignment for Massive MIMO** 


Zhu, X. ; wangWang, Z. ; Dai, L. ; Qian, C.  
Publication Year: 2015 , Page(s): 1

 |  |  Abstract | PDF (210 KB)





---
- 29. Joint Optimization of Resource Allocation and Relay Selection for Network Coding Aided Device-to-Device Communications** 


Yulei Zhao ; Yong Li ; Xiang Chen ; Ning Ge  
Publication Year: 2015 , Page(s): 807 - 810

 |  |  Abstract | PDF (535 KB) |  HTML





---
- 30. Optimal Power Control for Energy Efficient D2D Communication and Its Distributed Implementation** 


Yuan Wu ; Jiaheng Wang ; Liping Qian ; Schober, R.  
Publication Year: 2015 , Page(s): 815 - 818

 |  |  Abstract | PDF (367 KB) |  HTML




---
- 31. Multiple-Votes Parallel Symbol-Flipping Decoding Algorithm for Non-Binary LDPC Codes** 


Nhat-Quang Nhan ; Ngatched, T.M.N. ; Dobre, O.A. ; Rostaing, P. ; Amis, K. ; Radoi, E.  
Publication Year: 2015 , Page(s): 905 - 908

 |  |  Abstract | PDF (419 KB) |  HTML





---
- 32. On Channel Estimation for Massive MIMO with Pilot Contamination** 


Khansafid, A. ; Minn, H.  
Publication Year: 2015 , Page(s): 1

 |  |  Abstract | PDF (305 KB)





---
- 33. Optimal Model for the Controller Placement Problem in Software Defined Networks** 


Sallahi, A. ; St-Hilaire, M.  
Publication Year: 2015 , Page(s): 30 - 33

 |  |  Abstract | PDF (235 KB) |  HTML

---
- 34. Systematic Polar Coding** 

Arikan, E.  
Publication Year: 2011 , Page(s): 860 - 862  
Cited by: Papers (22) | Patents (1)

 |  |  Abstract | PDF (212 KB) |  HTML

---
- 35. Blind Cyclostationarity-Based Symbol Period Estimation for FSK Signals** 


Hongfei Wang ; Dobre, O.A. ; Cheng Li ; Popescu, D.C.  
Publication Year: 2015 , Page(s): 1149 - 1152

 |  |  Abstract | PDF (462 KB) |  HTML

**36. SloT: Giving a Social Structure to the Internet of Things** 

Atzori, L. ; Iera, A. ; Morabito, G.  
Publication Year: 2011 , Page(s): 1193 - 1195  
Cited by: Papers (30)

 |  |  Abstract | PDF (306 KB) |  HTML

**37. Resource Allocation in a New Random Access for M2M Communications** 

Ningbo Zhang ; Guixia Kang ; Jing Wang ; Yanyan Guo ; Labeau, F.  
Publication Year: 2015 , Page(s): 843 - 846

 |  |  Abstract | PDF (606 KB) |  HTML

**38. On Physical Layer Security Over Generalized Gamma Fading Channels** 

Hongjiang Lei ; Chao Gao ; Yongcai Guo ; Gaofeng Pan  
Publication Year: 2015 , Page(s): 1257 - 1260

 |  |  Abstract | PDF (266 KB) |  HTML

**39. Performance Evaluation of PLC Under the Combined Effect of Background and Impulsive Noises** 

Mathur, A. ; Bhatnagar, M.R. ; Panigrahi, B.K.  
Publication Year: 2015 , Page(s): 1117 - 1120

 |  |  Abstract | PDF (164 KB) |  HTML

**40. IPv6-Based Vehicular Cloud Networking** 

Xiaonan Wang  
Publication Year: 2015 , Page(s): 933 - 936

 |  |  Abstract | PDF (685 KB) |  HTML

**41. Frequency-Shift Offset-QAM for GFDM** 

Gaspar, I. ; Matthe, M. ; Michailow, N. ; Leonel Mendes, L. ; Zhang, D. ; Fettweis, G.  
Publication Year: 2015 , Page(s): 1454 - 1457

 |  |  Abstract | PDF (600 KB)

**42. Traffic Generation Rate Control of Wireless Sensor and Actuator Networks** 


Pangun Park  
Publication Year: 2015 , Page(s): 827 - 830

 |  |  Abstract | PDF (513 KB) |  HTML

**43. Random Linear Network Coding Based on Non-Orthogonal Multiple Access in Wireless Networks** 































Sungjin Park ; Dong-Ho Cho  
Publication Year: 2015 , Page(s): 1273 - 1276

 |  |  Abstract | PDF (574 KB) |  HTML

**44. A User-Side Energy-Saving Video Streaming Scheme for LTE Devices** 

Song Gun Lee ; Jeman Park ; Hyogon Kim  
Publication Year: 2015 , Page(s): 965 - 968

 |  |  Abstract | PDF (549 KB) |  HTML

- 45. Approaching the Gaussian Channel Capacity With APSK Constellations** 
- Meric, H.  
Publication Year: 2015 , Page(s): 1125 - 1128
-  |  |  Abstract | PDF (487 KB) |  HTML
- 
- 46. Primary Synchronization Signal for D2D Communications in LTE-Advanced** 
- Berggren, F. ; Popovic, B.M.  
Publication Year: 2015 , Page(s): 1241 - 1244
-  |  |  Abstract | PDF (340 KB) |  HTML
- 
- 47. Reliable Packet Flow Control for Preventing Buffer Overflow in Wi-Fi Serial Bus** 
- Woo-Sung Jung ; Keun-Woo Lim ; Young-Bae Ko  
Publication Year: 2015 , Page(s): 1009 - 1012
-  |  |  Abstract | PDF (1570 KB) |  HTML
- 
- 48.  $\ell_\infty$  Minimization Based Symbol Detection for Generalized Space Shift Keying** 
- Longzhuang He ; Jintao Wang ; Wenbo Ding ; Jian Song  
Publication Year: 2015 , Page(s): 1109 - 1112
-  |  |  Abstract | PDF (551 KB) |  HTML
- 
- 49. Full-Duplex Relay for Enhancing Physical Layer Security in Multi-Hop Relaying Systems** 
- Jong-Ho Lee  
Publication Year: 2015 , Page(s): 525 - 528
-  |  |  Abstract | PDF (463 KB) |  HTML
- 
- 50. Pilot Pattern Optimization for Sparse Channel Estimation in OFDM Systems** 
- Han Wang ; Qing Guo ; Gengxin Zhang ; Guangxia Li ; Wei Xiang  
Publication Year: 2015 , Page(s): 1233 - 1236
-  |  |  Abstract | PDF (398 KB) |  HTML

## Aims & Scope

*IEEE Communications Letters* is aimed at satisfying the need for rapid dissemination of information, offering a vehicle for authors to expose their results to be used in future developments. This ensures early recognition of work.

## Meet Our Editors

### Editor-in-Chief

George K. Karagiannidis  
Aristotle University of Thessaloniki  
Greece

## Further Links

[Personal Sign In](#) | [Create Account](#)

### IEEE Account

- » [Change Username/Password](#)
- » [Update Address](#)

### Purchase Details

- » [Payment Options](#)
- » [Order History](#)

### Profile Information

- » [Communications Preferences](#)
- » [Profession and Education](#)

### Need Help?

- » **US & Canada:** +1 800 678 4333
- » **Worldwide:** +1 732 981 0060

» Update Address

» Order History

» Research and Education

» Renewal: IEEE 601 6000

» Access Purchased Documents

» Technical Interests

» Contact & Support

[About IEEE Xplore](#) | [Contact Us](#) | [Help](#) | [Terms of Use](#) | [Nondiscrimination Policy](#) | [Sitemap](#) | [Privacy & Opting Out of Cookies](#)

A not-for-profit organization, IEEE is the world's largest professional association for the advancement of technology.  
© Copyright 2015 IEEE - All rights reserved. Use of this web site signifies your agreement to the terms and conditions.