Piet Demeester

List of Publications by Year
in descending order

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356 papers	6,929 citations	147801 31 h-index	114465 63 g-index
365 all docs	365 docs citations	365 times ranked	6175 citing authors

#	Article	IF	Citations
1	A survey on wireless body area networks. Wireless Networks, 2011, 17, 1-18.	3.0	878
2	Trends in worldwide ICT electricity consumption from 2007 to 2012. Computer Communications, 2014, 50, 64-76.	5.1	385
3	Worldwide energy needs for ICT: The rise of power-aware networking. , 2008, , .		204
4	Power consumption modeling in optical multilayer networks. Photonic Network Communications, 2012, 24, 86-102.	2.7	199
5	i-ADHoRe 3.0â€"fast and sensitive detection of genomic homology in extremely large data sets. Nucleic Acids Research, 2012, 40, e11-e11.	14.5	192
6	Pan-European Optical Transport Networks: An Availability-based Comparison. Photonic Network Communications, 2003, 5, 203-225.	2.7	172
7	Power consumption in telecommunication networks: overview and reduction strategies. , 2011, 49, 62-69.		172
8	OpenFlow: Meeting carrier-grade recovery requirements. Computer Communications, 2013, 36, 656-665.	5.1	172
9	Optical Networks for Grid and Cloud Computing Applications. Proceedings of the IEEE, 2012, 100, 1149-1167.	21.3	141
10	Assessing Quality of Experience of IPTV and Video on Demand Services in Real-Life Environments. IEEE Transactions on Broadcasting, 2010, 56, 458-466.	3.2	140
11	A Low-delay Protocol for Multihop Wireless Body Area Networks. , 2007, , .		136
12	Radio-over-fiber-based solution to provide broadband internet access to train passengers [Topics in Optical Communications]. , 2007, 45, 56-62.		134
13	Enabling fast failure recovery in OpenFlow networks. , 2011, , .		111
14	Software defined networking: Meeting carrier grade requirements. , 2011, , .		83
15	Comparison Between Analog Radio-Over-Fiber and Sigma Delta Modulated Radio-Over-Fiber. IEEE Photonics Technology Letters, 2017, 29, 1808-1811.	2.5	81
16	Overall ICT footprint and green communication technologies. , 2010, , .		74
17	Adaptive Task Checkpointing and Replication: Toward Efficient Fault-Tolerant Grids. IEEE Transactions on Parallel and Distributed Systems, 2009, 20, 180-190.	5.6	68
18	Remote Display Solutions for Mobile Cloud Computing. Computer, 2011, 44, 46-53.	1.1	60

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19	Analytical model for the IPACT dynamic bandwidth allocation algorithm for EPONs. Journal of Optical Networking, 2007, 6, 677.	2.5	59
20	The Need for Cooperation and Relaying in Short-Range High Path Loss Sensor Networks. , 2007, , .		59
21	Dynamic microcell assignment for massively multiplayer online gaming. , 2005, , .		57
22	The History of WiMAX: A Complete Survey of the Evolution in Certification and Standardization for IEEE 802.16 and WiMAX. IEEE Communications Surveys and Tutorials, 2012, 14, 1183-1211.	39.4	57
23	Multi-Granular Optical Cross-Connect: Design, Analysis, and Demonstration. Journal of Optical Communications and Networking, 2009, 1, 69.	4.8	52
24	Subjective Quality Assessment of Longer Duration Video Sequences Delivered Over HTTP Adaptive Streaming to Tablet Devices. IEEE Transactions on Broadcasting, 2014, 60, 707-714.	3.2	52
25	ONU power saving modes in next generation optical access networks: progress, efficiency and challenges. Optics Express, 2012, 20, B52.	3.4	51
26	Improving Reliability in Multi-hop Body Sensor Networks. , 2008, , .		47
27	Dynamic Bandwidth Allocation With SLA Awareness for QoS in Ethernet Passive Optical Networks. Journal of Optical Communications and Networking, 2013, 5, 240.	4.8	44
28	The Wireless Autonomous Spanning tree Protocol for Multihop Wireless Body Area Networks. , 2006, , .		42
29	Design and implementation of a hybrid remote display protocol to optimize multimedia experience on thin client devices. , 2008, , .		42
30	An autonomic architecture for optimizing QoE in multimedia access networks. Computer Networks, 2009, 53, 1587-1602.	5.1	41
31	Constructing a No-Reference H.264/AVC Bitstream-Based Video Quality Metric Using Genetic Programming-Based Symbolic Regression. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 1322-1333.	8.3	40
32	FAMOUS: A Network Architecture for Delivering Multimedia Services to FAst MOving USers. Wireless Personal Communications, 2005, 33, 281-304.	2.7	39
33	Internet of Things Virtual Networks: Bringing Network Virtualization to Resource-Constrained Devices. , 2012, , .		39
34	Implementing Quality of Service for the Software Defined Networking Enabled Future Internet. , 2014, , .		39
35	Automated linear regression tools improve RSSI WSN localization in multipath indoor environment. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	2.4	38
36	Efficient resource management for virtual desktop cloud computing. Journal of Supercomputing, 2012, 62, 741-767.	3.6	38

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37	Replica placement in ring based content delivery networks. Computer Communications, 2006, 29, 3313-3326.	5.1	37
38	A reinforcement learning based solution for cognitive network cooperation between co-located, heterogeneous wireless sensor networks. Ad Hoc Networks, 2014, 17, 98-113.	5.5	37
39	Energy-efficiency in telecommunications networks: Link-by-link versus end-to-end grooming. , 2010, , .		36
40	Enabling direct connectivity between heterogeneous objects in the internet of things through a network-service-oriented architecture. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	2.4	36
41	Distributed computing for carbon footprint reduction by exploiting low-footprint energy availability. Future Generation Computer Systems, 2012, 28, 405-414.	7.5	35
42	Real-Time 100-GS/s Sigma-Delta Modulator for All-Digital Radio-Over-Fiber Transmission. Journal of Lightwave Technology, 2020, 38, 386-393.	4.6	35
43	Symbiotic Networks: Towards a New Level of Cooperation Between Wireless Networks. Wireless Personal Communications, 2008, 45, 479-495.	2.7	33
44	Self-Interference Cancellation Enabling High-Throughput Short-Reach Wireless Full-Duplex Communication. IEEE Transactions on Wireless Communications, 2018, 17, 6475-6486.	9.2	32
45	Maximum Throughput and Minimum Delay in IEEE 802.15.4. Lecture Notes in Computer Science, 2005, , 866-876.	1.3	31
46	Flexible TDMA/WDMA passive optical network: Energy efficient next-generation optical access solution. Optical Switching and Networking, 2013, 10, 491-506.	2.0	31
47	Hybrid Ray-Tracing/FDTD Method for Human Exposure Evaluation of a Massive MIMO Technology in an Industrial Indoor Environment. IEEE Access, 2019, 7, 21020-21031.	4.2	31
48	A broad view on overspill routing in optical networks: a real synthesis of packet and circuit switching?. Optical Switching and Networking, 2005, 1, 51-64.	2.0	30
49	Avoiding collisions between IEEE 802.11 and IEEE 802.15.4 through coexistence aware clear channel assessment. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	30
50	Facilitating the creation of IoT applications through conditional observations in CoAP. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	2.4	30
51	Profile-Based Resource Allocation for Virtualized Network Functions. IEEE Transactions on Network and Service Management, 2019, 16, 1374-1388.	4.9	30
52	No-Reference Bitstream-Based Visual Quality Impairment Detection for High Definition H.264/AVC Encoded Video Sequences. IEEE Transactions on Broadcasting, 2012, 58, 187-199.	3.2	29
53	Measurement-based research. Computer Communication Review, 2012, 42, 62-68.	1.8	28
54	A 21-GS/s Single-Bit Second-Order Deltaâ€“Sigma Modulator for FPGAs. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 482-486.	3.0	28

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55	Selective area growth on planar masked InP substrates by metal organic vapour phase epitaxy (MOVPE). Progress in Crystal Growth and Characterization of Materials, 1997, 35, 263-288.	4.0	27
56	Threefold Rotationally Symmetric SIW Antenna Array for Ultra-Short-Range MIMO Communication. IEEE Transactions on Antennas and Propagation, 2016, 64, 1689-1699.	5.1	27
57	An enhanced weighted performance-based handover parameter optimization algorithm for LTE networks. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	2.4	26
58	Long-Term Planning of WDM Networks: A Comparison between Single-Period and Multi-Period Techniques. Photonic Network Communications, 1999, 1, 331-346.	2.7	25
59	Energy efficient dynamic bandwidth allocation for Ethernet passive optical networks: Overview, challenges, and solutions. Optical Switching and Networking, 2015, 18, 169-179.	2.0	25
60	End-to-end QoE Optimization Through Overlay Network Deployment. Information Networking, 2008 ICOIN 2008 International Conference on, 2008, , .	0.0	24
61	A greedy, graph-based algorithm for the alignment of multiple homologous gene lists. Bioinformatics, 2011, 27, 749-756.	4.1	24
62	Evaluation of the potential for energy saving in macrocell and femtocell networks using a heuristic introducing sleep modes in base stations. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	24
63	Automatic bootstrapping of OpenFlow networks. , 2013, , .		24
64	Pathway Relevance Ranking for Tumor Samples through Network-Based Data Integration. PLoS ONE, 2015, 10, e0133503.	2.5	24
65	ATTO: Wireless Networking at Fiber Speed. Journal of Lightwave Technology, 2018, 36, 1468-1477.	4.6	23
66	Design and Implementation of a Generic Energy-Harvesting Framework Applied to the Evaluation of a Large-Scale Electronic Shelf-Labeling Wireless Sensor Network. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, .	2.4	22
67	Speeding up Martinsâ€™ algorithm for multiple objective shortest path problems. 4or, 2013, 11, 323-348.	1.6	22
68	Radio-over-fibre for ultra-small 5G cells. , 2015, , .		22
69	A Cytoscape app for motif enumeration with ISMAGS. Bioinformatics, 2017, 33, 461-463.	4.1	22
70	Distributed Antenna System Using Sigma-Delta Intermediate-Frequency-Over-Fiber for Frequency Bands Above 24ÂGHz. Journal of Lightwave Technology, 2020, 38, 2765-2773.	4.6	22
71	HFC Access Network Design for Switched Broadcast TV Services. IEEE Transactions on Broadcasting, 2007, 53, 588-594.	3.2	21
72	Enabling high availability over multiple optical networks. , 2008, 46, 120-126.		21

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73	Game-Theoretic Optimization of a Fiber-to-the-Home Municipality Network Rollout. Journal of Optical Communications and Networking, 2009, 1, 30.	4.8	21
74	Power reduction techniques in multilayer traffic engineering. , 2009, , .		20
75	Strategies and Challenges for Interconnecting Wireless Mesh and Wireless Sensor Networks. Wireless Personal Communications, 2010, 53, 443-463.	2.7	20
76	Distributed Multi-User MIMO Transmission Using Real-Time Sigma-Delta-Over-Fiber for Next Generation Fronthaul Interface. Journal of Lightwave Technology, 2020, 38, 705-713.	4.6	19
77	IDRA: A flexible system architecture for next generation wireless sensor networks. Wireless Networks, 2011, 17, 1423-1440.	3.0	18
78	Facilitating Sensor Deployment, Discovery and Resource Access Using Embedded Web Services. , 2012, , .		18
79	Novel Applications Integrate Location and Context Information. IEEE Pervasive Computing, 2012, 11, 64-73.	1.3	18
80	Hybrid reasoning technique for improving context-aware applications. Knowledge and Information Systems, 2012, 31, 581-616.	3.2	18
81	QoS Challenges in Wireless Sensor Networked Robotics. Wireless Personal Communications, 2013, 70, 1059-1075.	2.7	18
82	Introducing Development Features for Virtualized Network Services. IEEE Communications Magazine, 2018, 56, 184-192.	6.1	18
83	Analog I/Q FIR Filter in 55-nm SiGe BiCMOS for 16-QAM Optical Communications at 112 Gb/s. IEEE Journal of Solid-State Circuits, 2020, 55, 1935-1945.	5.4	18
84	Virtual Private Ad Hoc Networking. Wireless Personal Communications, 2006, 38, 125-141.	2.7	17
85	The Index-Based Subgraph Matching Algorithm (ISMA): Fast Subgraph Enumeration in Large Networks Using Optimized Search Trees. PLoS ONE, 2013, 8, e61183.	2.5	17
86	Observing CoAP groups efficiently. Ad Hoc Networks, 2016, 37, 368-388.	5.5	17
87	Autonomic microcell assignment in massively distributed online virtual environments. Journal of Network and Computer Applications, 2009, 32, 1242-1256.	9.1	16
88	The fluid internet: service-centric management of a virtualized future internet. , 2014, 52, 140-148.		16
89	Future internets escape the simulator. Communications of the ACM, 2015, 58, 78-89.	4.5	16
90	Massive MIMO Propagation Modeling With User-Induced Coupling Effects Using Ray-Tracing and FDTD. IEEE Journal on Selected Areas in Communications, 2020, 38, 1955-1963.	14.0	16

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91	On the Construction of QoS Enabled Overlay Networks. Lecture Notes in Computer Science, 2004, , 164-173.	1.3	16
92	MPLS Recovery Mechanisms for IP-over-WDM Networks. Photonic Network Communications, 2001, 3, 23-40.	2.7	15
93	Design and control of optical grid networks. , 2007, , .		15
94	Wavelength switched hybrid TDMA/WDM (TWDM) PON: A flexible next-generation optical access solution. , 2012, , .		15
95	Real Options in Telecom Infrastructure Projects â€" A Tutorial. IEEE Communications Surveys and Tutorials, 2014, 16, 1157-1173.	39.4	15
96	A platform for dynamic microcell redeployment in massively multiplayer online games. , 2006, , .		14
97	xStreamer. , 2009, , .		14
98	A Throughput Analysis at the MAC Layer of Mobile WiMAX. , 2010, , .		14
99	Flexible hybrid WDM/TDM PON architectures using wavelength selective switches. Optical Switching and Networking, 2012, 9, 156-169.	2.0	14
100	Design for a Generic Knowledge Base for Autonomic QoE Optimization in Multimedia Access Networks. , 2008, , .		13
101	An autonomic PCN based admission control mechanism for video services in access networks. , 2009, , .		13
102	Energy in ICT - Trends and research directions. , 2009, , .		13
103	A latency-aware algorithm for dynamic service placement in large-scale overlays. , 2009, , .		13
104	Interest based selection of user generated content for rich communication services. Journal of Network and Computer Applications, 2010, 33, 84-97.	9.1	13
105	Optical networks: How much power do they consume and how can we optimize this?. , 2010, , .		13
106	Multilayer traffic engineering for energy efficiency. Photonic Network Communications, 2011, 21, 127-140.	2.7	13
107	CyClus3D: a Cytoscape plugin for clustering network motifs in integrated networks. Bioinformatics, 2011, 27, 1587-1588.	4.1	13
108	No-reference bitstream-based impairment detection for high efficiency video coding. , 2012, , .		13

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109	A novel network architecture for train-to-wayside communication with quality of service over heterogeneous wireless networks. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	13
110	Link failure recovery technique for greedy routing in the hyperbolic plane. Computer Communications, 2013, 36, 698-707.	5.1	13
111	Experimental validation of resilient tree-based greedy geometric routing. Computer Networks, 2015, 82, 156-171.	5.1	13
112	A Wireless Mesh Monitoring and Planning Tool for Emergency Services. , 2007, , .		12
113	Synchronized Interactive Services for Mobile Devices over IPDC/DVB-H and UMTS. , 2007, , .		12
114	Scalable dimensioning of resilient Lambda Grids. Future Generation Computer Systems, 2008, 24, 549-560.	7.5	12
115	Adoption and Pricing: The Underestimated Elements of a Realistic IPTV Business Case. IEEE Communications Magazine, 2008, 46, 112-118.	6.1	12
116	Towards Efficient Service Placement and Server Selection for Large-Scale Deployments. , 2008, , .		12
117	An Information Driven Sensornet Architecture. , 2009, , .		12
118	Power efficiency of thin clients. European Transactions on Telecommunications, 2010, 21, 479-490.	1.2	12
119	Cost comparison of different translucent optical network architectures. , 2010, , .		12
120	Demonstrating resilient quality of service in Software Defined Networking. , 2014, , .		12
121	Passive Opto-Antenna as Downlink Remote Antenna Unit for Radio Frequency Over Fiber. Journal of Lightwave Technology, 2018, 36, 4445-4459.	4.6	12
122	A Demonstration of Fast Failure Recovery in Software Defined Networking. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 411-414.	0.3	12
123	Anycast Routing Algorithms for Effective Job Scheduling in Optical Grids. , 2006, , .		11
124	Business scenarios for a WiMAX deployment in Belgium. , 2007, , .		11
125	Calculating the Minimum Bounds of Energy Consumption for Cloud Networks. , 2011, , .		11
126	snapMac: A generic MAC/PHY architecture enabling flexible MAC design. Ad Hoc Networks, 2014, 17, 37-59.	5.5	11

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127	MOFBAN: A Lightweight Modular Framework for Body Area Networks. Lecture Notes in Computer Science, 2007, , 610-622.	1.3	11
128	Efficient Protection in MPÎ»S Networks Using Backup Trees: Part Oneâ€"Concepts and Heuristics. Photonic Network Communications, 2003, 6, 191-206.	2.7	10
129	Benefits of label stripping compared to label swapping from the point of node dimensioning. Photonic Network Communications, 2006, 12, 227-244.	2.7	10
130	Thorough analysis of the IPACT dynamic bandwidth allocation algorithm for EPONs. , 2007, , .		10
131	ASTAS: Architecture for scalable and transparent anycast services. Journal of Communications and Networks, 2007, 9, 457-465.	2.6	10
132	Multilayer traffic engineering for multiservice environments. Photonic Network Communications, 2009, 18, 150-159.	2.7	10
133	ViQID: A No-Reference bit stream-based visual quality impairment detector. , 2010, , .		10
134	Techno-economic feasibility study of different WDM/TDM PON architectures. , 2010, , .		10
135	Adaptive Multi-Gate polling with Void filling for long-reach passive optical networks. , 2011, , .		10
136	Evaluation of flexibility in hybrid WDM/TDM PONs. , 2011, , .		10
137	Techno-economical viability of cognitive solutions for a factory scenario. , 2011, , .		10
138	Evaluation of ONU Power Saving Modes in Next Generation Optical Access Networks. , 2012, , .		10
139	Assessing the importance of audio/video synchronization for simultaneous translation of video sequences. Multimedia Systems, 2012, 18, 445-457.	4.7	10
140	Experimental validation of a reinforcement learning based approach for a service-wise optimisation of heterogeneous wireless sensor networks. Wireless Networks, 2015, 21, 931-948.	3.0	10
141	Real-Time <tex>$4imes 3.5$</tex> Gbps Sigma Delta Radio-over-Fiber for a Low-Cost 5G C-RAN Downlink. , 2018, , .		10
142	SiPhotonics/GaAs 28-GHz Transceiver With Reflective EAM for Laser-Less mmWave-Over-Fiber. Journal of Lightwave Technology, 2021, 39, 779-786.	4.6	10
143	Performance Evaluation of Multi-Layer Traffic Engineering Enabled IP-over-ION Networks. Photonic Network Communications, 2005, 9, 255-280.	2.7	9
144	Dimensioning and on-line scheduling in Lambda Grids using divisible load concepts. Journal of Supercomputing, 2007, 42, 59-82.	3.6	9

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145	Ant colony optimization for the routing of jobs in optical grid networks. Journal of Optical Networking, 2008, 7, 160.	2.5	9
146	AMoQoSA: Adaptive Modular QoS Architecture for Wireless Sensor Networks. , 2008, , .		9
147	Assessing the perceptual influence of H.264/SVC Signal-to-Noise Ratio and temporal scalability on full length movies. , 2009, , .		9
148	Cross-Layer Optimization of Radio Sleep Intervals to Increase Thin Client Energy Efficiency. IEEE Communications Letters, 2010, 14, 1095-1097.	4.1	9
149	Real-Life Performance of Protocol Combinations for Wireless Sensor Networks. , 2010, , .		9
150	Non-intrusive aggregation in wireless sensor networks. Ad Hoc Networks, 2011, 9, 324-340.	5.5	9
151	A negotiation-based networking methodology to enable cooperation across heterogeneous co-located networks. Ad Hoc Networks, 2012, 10, 901-917.	5.5	9
152	EPSILON: an eQTL prioritization framework using similarity measures derived from local networks. Bioinformatics, 2013, 29, 1308-1316.	4.1	9
153	Mobile application usage prediction through context-based learning. Journal of Ambient Intelligence and Smart Environments, 2013, 5, 213-235.	1.4	9
154	Delay models in ethernet long-reach passive optical networks. , 2015, , .		9
155	Pseudoâ€3D RSSIâ€based WSN localization algorithm using linear regression. Wireless Communications and Mobile Computing, 2015, 15, 1342-1354.	1.2	9
156	Optimized Sampling Strategies to Model the Performance of Virtualized Network Functions. Journal of Network and Systems Management, 2020, 28, 1482-1521.	4.9	9
157	Ontology-driven middleware for next-generation train backbones. Science of Computer Programming, 2007, 66, 4-24.	1.9	8
158	Design and Configuration of PCN Based Admission Control in Multimedia Aggregation Networks. , 2009, , .		8
159	Interconnecting Wireless Sensor and Wireless Mesh Networks: Challenges and Strategies. , 2009, , .		8
160	Performance analysis and dimensioning of multi-granular optical networks. Optical Switching and Networking, 2009, 6, 88-98.	2.0	8
161	Flexibility evaluation of hybrid WDM/TDM PONs. , 2011, , .		8
162	Municipal support of wireless access network rollout: A game theoretic approach. Telecommunications Policy, 2011, 35, 883-894.	5.3	8

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163	Managed Ecosystems of Networked Objects. Wireless Personal Communications, 2011, 58, 125-143.	2.7	8
164	Adoption of Vehicular Ad Hoc Networking Protocols by Networked Robots. Wireless Personal Communications, 2012, 64, 489-522.	2.7	8
165	Group Communication in Constrained Environments Using CoAP-based Entities. , 2013, , .		8
166	VNF Performance modelling: From stand-alone to chained topologies. Computer Networks, 2020, 181, 107428.	5.1	8
167	Assessment of Packet Loss for an Optical Packet Router with Recirculating Buffer. IFIP Advances in Information and Communication Technology, 2003, , 247-261.	0.7	8
168	Optimization Models for Designing Aggregation Networks to Support Fast Moving Users. Lecture Notes in Computer Science, 2005, , 66-81.	1.3	8
169	Multiâ€Period Planning of Survivable WDM Networks. European Transactions on Telecommunications, 2000, 11, 7-16.	1.2	7
170	A Zoom-In Approach to Design SDH Mesh Restorable Networks. Journal of Heuristics, 2000, 6, 107-130.	1.4	7
171	Gridification of collaborative audiovisual organizations through the MediaGrid framework. Future Generation Computer Systems, 2008, 24, 371-389.	7.5	7
172	Analysis of an anycast based overlay system for scalable service discovery and execution. Computer Networks, 2010, 54, 97-111.	5.1	7
173	Online execution time prediction for computationally intensive applications with periodic progress updates. Journal of Supercomputing, 2012, 62, 768-786.	3.6	7
174	Using an analytical power model to survey power saving approaches in backbone networks. , 2012, , .		7
175	Signalling minimizing handover parameter optimization algorithm for LTE networks. Wireless Networks, 2012, 18, 295-306.	3.0	7
176	Automatic configuration of routing control platforms in OpenFlow networks. , 2013, , .		7
177	STATISTICAL APPROACH FOR HUMAN ELECTROMAGNETIC EXPOSURE ASSESSMENT IN FUTURE WIRELESS ATTO-CELL NETWORKS. Radiation Protection Dosimetry, 2019, 183, 326-331.	0.8	7
178	High quality In0.15Ga0.85As/AlxGa1â^'xAs strained multi quantum wells grown by metalorganic vapor phase epitaxy. Journal of Applied Physics, 1992, 71, 3249-3255.	2.5	6
179	Selective and shadow masked MOVPE growth of InP/InGaAs(P) heterostructures and quantum wells. Journal of Crystal Growth, 1992, 124, 497-501.	1.5	6
180	Erlang Reduced Load Model for Optical Burst Switched Grids. , 2007, , .		6

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181	Economic benefits of a community driven Fiber to the Home rollout. , 2008, , .		6
182	FTTH deployment and its impact on network maintenance and repair costs. , 2008, , .		6
183	Municipalities as a Driver for Wireless Broadband Access. Wireless Personal Communications, 2009, 49, 391-414.	2.7	6
184	Mobile TV services through IP Datacast over DVB-H: Dependability of the quality of experience on the IP-based distribution network quality of service. Journal of Network and Computer Applications, 2011, 34, 1474-1488.	9.1	6
185	Logical topology design for IP rerouting: ASONs versus static OTNs. Photonic Network Communications, 2011, 21, 170-191.	2.7	6
186	Efficiently Observing Internet of Things Resources. , 2012, , .		6
187	Network virtualization as an integrated solution for emergency communication. Telecommunication Systems, 2013, 52, 1859-1876.	2.5	6
188	Enabling the web of things: facilitating deployment, discovery and resource access to IoT objects using embedded web services. International Journal of Web and Grid Services, 2014, 10, 218.	0.5	6
189	Bindings and RESTlets: A Novel Set of CoAP-Based Application Enablers to Build IoT Applications. Sensors, 2016, 16, 1217.	3.8	6
190	Air-Filled SIW Remote Antenna Unit With True Time Delay Optical Beamforming for mmWave-Over-Fiber Systems. Journal of Lightwave Technology, 2022, 40, 6961-6975.	4.6	6
191	Influence of the nucleation and annealing conditions on the quality of InP layers grown on GaAs by MOCVD. Journal of Crystal Growth, 1991, 114, 314-320.	1.5	5
192	Planning of WDM Ring Networks. Photonic Network Communications, 2000, 2, 33-51.	2.7	5
193	Optimizing content distribution through adaptive distributed caching. Computer Communications, 2005, 28, 640-653.	5.1	5
194	Efficient multi-layer traffic grooming in an IP/MPLS-over-optical network. European Transactions on Telecommunications, 2005, 16, 329-347.	1.2	5
195	Distributed Job Scheduling based on Multiple Constraints Anycast Routing. , 2006, , .		5
196	A cluster driven channel assignment mechanism for wireless mesh networks. , 2008, , .		5
197	Design of distributed microcell-based MMOG hosting platforms: impact study of dynamic relocations. Cluster Computing, 2011, 14, 145-163.	5.0	5
198	Cooperative caching versus proactive replication for location dependent request patterns. Journal of Network and Computer Applications, 2011, 34, 562-574.	9.1	5

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199	Adaptive routing for mobile ad hoc networks. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	5
200	Automatic fine-grained area detection for thin client systems. Journal of Network and Computer Applications, 2012, 35, 1620-1632.	9.1	5
201	Novel hybrid WDM/TDM PON architectures to manage flexibility in optical access networks. Telecommunication Systems, 2013, 54, 147-165.	2.5	5
202	User subscription-based resource management for Desktop-as-a-Service platforms. Journal of Supercomputing, 2014, 69, 412-428.	3.6	5
203	Synergized-Adaptive Multi-GATE Polling With Void Filling: Overcoming Performance Degradation in LR-PONs. Journal of Optical Communications and Networking, 2015, 7, 837.	4.8	5
204	Cost Versus Flexibility of Different Capacity Leasing Approaches on the Optical Network Layer. , 2007, , 418-427.		5
205	TV-kiosk: An Open and Extensible Platform for the Wellbeing of an Ageing Population. Lecture Notes in Computer Science, 2012, , 54-63.	1.3	5
206	Energy Efficiency in Thin Client Solutions. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 109-116.	0.3	5
207	A generic architecture for management and control of end-to-end quality of service over multiple domains. Computer Communications, 2002, 25, 149-168.	5.1	4
208	Influence of the IP Traffic Asymmetry on the Cost of the Optical Network Layer. Photonic Network Communications, 2002, 4, 133-150.	2.7	4
209	CAM02-4: Online Management of QoS Enabled Overlay Multicast Services. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	4
210	ISE01-2: J2EE-based Middleware for Low Latency Service Enabling Platforms. , 2006, , .		4
211	Scalable dimensioning of optical transport networks for grid excess load handling. Photonic Network Communications, 2006, 12, 117-132.	2.7	4
212	Ontology Based and Context-Aware Hospital Nurse Call Optimization. , 2008, , .		4
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