Martin Reisslein

List of Publications by Year
in descending order

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241 papers	9,398 citations	50276 46 h-index	49909 87 g-index
243 all docs	243 docs citations	243 times ranked	6452 citing authors

#	Article	IF	Citations
1	CNA-TCC: Campaign Network Attribute Based Thematic Campaign Classification. IEEE Transactions on Computational Social Systems, 2024, , 1-13.	4.4	0
2	Cloud-Based Charging Management of Heterogeneous Electric Vehicles in a Network of Charging Stations: Price Incentive Versus Capacity Expansion. IEEE Transactions on Services Computing, 2022, 15, 1693-1706.	4.6	4
3	Automated Classification of Societal Sentiments on Twitter With Machine Learning. IEEE Transactions on Technology and Society, 2022, 3, 100-110.	3.2	15
4	X-MAN: A Non-Intrusive Power Manager for Energy-Adaptive Cloud-Native Network Functions. IEEE Transactions on Network and Service Management, 2022, 19, 1017-1035.	4.9	3
5	Social media influence, trust, and conflict: An interview based study of leadership perceptions. Technology in Society, 2022, 68, 101836.	9.4	8
6	Packet Header Compression: A Principle-Based Survey of Standards and Recent Research Studies. IEEE Communications Surveys and Tutorials, 2022, 24, 698-740.	39.4	11
7	Federated Edge Network Utility Maximization for a Multi-Server System: Algorithm and Convergence. IEEE/ACM Transactions on Networking, 2022, 30, 2002-2017.	3.8	4
8	VeNet: Hybrid Stacked Autoencoder Learning for Cooperative Edge Intelligence in IoV. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 16643-16653.	8.0	7
9	Ubi-Flex-Cloud: ubiquitous flexible cloud computing: status quo and research imperatives. Applied Computing and Informatics, 2022, ahead-of-print, .	5.9	3
10	FSW: Fulcrum Sliding Window Coding for Low-Latency Communication. IEEE Access, 2022, 10, 54276-54290.	4.2	16
11	An SDN architecture for time sensitive industrial IoT. Computer Networks, 2021, 186, 107739.	5.1	64
12	Semantically Modeling Cyber Influence Campaigns (CICs): Ontology Model and Case Studies. IEEE Access, 2021, 9, 9365-9382.	4.2	2
13	Traces for the Tactile Internet: Architecture, concepts, and evaluations. , 2021, , 321-349.		0
14	5G Campus Networks: A First Measurement Study. IEEE Access, 2021, 9, 121786-121803.	4.2	69
15	Real-Time Compression for Tactile Internet Data Streams. Sensors, 2021, 21, 1924.	3.8	2
16	Importance of Internet Exchange Point (IXP) infrastructure for 5G: Estimating the impact of 5G use cases. Telecommunications Policy, 2021, 45, 102091.	5.3	28
17	FedCo: A Federated Learning Controller for Content Management in Multi-party Edge Systems. , 2021, , .		5
18	Mobility- and Energy-Aware Cooperative Edge Offloading for Dependent Computation Tasks. Network, 2021, 1, 191-214.	2.4	14

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19	Design of a small-scale and failure-resistant IaaS cloud using OpenStack. Applied Computing and Informatics, 2021, , .	5.9	5
20	Correction to â€œFulcrum: Flexible Network Coding for Heterogeneous Devicesâ€• IEEE Access, 2021, 9, 108199-108199.	4.2	1
21	FAST: Flexible and Low-Latency State Transfer in Mobile Edge Computing. IEEE Access, 2021, 9, 115315-115334.	4.2	24
22	Intelligent Resource Management at the Edge for Ubiquitous IoT: An SDN-Based Federated Learning Approach. IEEE Network, 2021, 35, 114-121.	6.9	18
23	SpaRec: Sparse Systematic RLNC Recoding in Multi-Hop Networks. IEEE Access, 2021, 9, 168567-168586.	4.2	13
24	Optimised Traffic Light Management Through Reinforcement Learning: Traffic State Agnostic Agent vs. Holistic Agent With Current V2I Traffic State Knowledge. IEEE Open Journal of Intelligent Transportation Systems, 2020, 1, 201-216.	4.8	10
25	QR-SDN: Towards Reinforcement Learning States, Actions, and Rewards for Direct Flow Routing in Software-Defined Networks. IEEE Access, 2020, 8, 174773-174791.	4.2	48
26	Hardware-Accelerated Platforms and Infrastructures for Network Functions: A Survey of Enabling Technologies and Research Studies. IEEE Access, 2020, 8, 132021-132085.	4.2	50
27	Multi-Layer Decomposition of Network Utility Maximization Problems. IEEE/ACM Transactions on Networking, 2020, 28, 2077-2091.	3.8	13
28	Hardware Acceleration for Container Migration on Resource-Constrained Platforms. IEEE Access, 2020, 8, 175070-175085.	4.2	6
29	Reinforcing Cloud Environments via Index Policy for Bursty Workloads. , 2020, , .		6
30	DSEP Fulcrum: Dynamic Sparsity and Expansion Packets for Fulcrum Network Coding. IEEE Access, 2020, 8, 78293-78314.	4.2	31
31	Lifting-Based Fractional Wavelet Filter: Energy-Efficient DWT Architecture for Low-Cost Wearable Sensors. Advances in Multimedia, 2020, 2020, 1-13.	0.4	3
32	SMFrWF: Segmented Modified Fractional Wavelet Filter: Fast Low-Memory Discrete Wavelet Transform (DWT). IEEE Access, 2019, 7, 84448-84467.	4.2	15
33	A Multi-Layer Multi-Timescale Network Utility Maximization Framework for the SDN-Based LayBack Architecture Enabling Wireless Backhaul Resource Sharing. Electronics (Switzerland), 2019, 8, 937.	3.1	15
34	Edge-Boost: Enhancing Multimedia Delivery with Mobile Edge Caching in 5G-D2D Networks. , 2019, , .		13
35	Reinforcing the Edge: Autonomous Energy Management for Mobile Device Clouds. , 2019, , .		23
36	Reducing Latency in Virtual Machines: Enabling Tactile Internet for Human-Machine Co-Working. IEEE Journal on Selected Areas in Communications, 2019, 37, 1098-1116.	14.0	84

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37	Transport SDN at the dawn of the 5G era. Optical Switching and Networking, 2019, 33, 34-40.	2.0	9
38	Adaptable and Data-Driven Softwarized Networks: Review, Opportunities, and Challenges. Proceedings of the IEEE, 2019, 107, 711-731.	21.3	80
39	Performance Comparison of IEEE 802.1 TSN Time Aware Shaper (TAS) and Asynchronous Traffic Shaper (ATS). IEEE Access, 2019, 7, 44165-44181.	4.2	82
40	Reduction of Padding Overhead for RLNC Media Distribution With Variable Size Packets. IEEE Transactions on Broadcasting, 2019, 65, 558-576.	3.2	11
41	Reconfiguration Algorithms for High Precision Communications in Time Sensitive Networks. , 2019, , .		14
42	Remote Robot Control with Human-in-the-Loop over Long Distances Using Digital Twins. , 2019, , .		20
43	Progressive Multicore RLNC Decoding With Online DAG Scheduling. IEEE Access, 2019, 7, 161184-161200.	4.2	11
44	Device-Enhanced MEC: Multi-Access Edge Computing (MEC) Aided by End Device Computation and Caching: A Survey. IEEE Access, 2019, 7, 166079-166108.	4.2	146
45	Ultra-Low Latency (ULL) Networks: The IEEE TSN and IETF DetNet Standards and Related 5G ULL Research. IEEE Communications Surveys and Tutorials, 2019, 21, 88-145.	39.4	380
46	School fieldtrip to engineering workshop: pre-, post-, and delayed-post effects on student perceptions by age, gender, and ethnicity. European Journal of Engineering Education, 2019, 44, 745-768.	2.3	10
47	Unicast QoS Routing Algorithms for SDN: A Comprehensive Survey and Performance Evaluation. IEEE Communications Surveys and Tutorials, 2018, 20, 388-415.	39.4	121
48	Power profiling of multimedia sensor node with name-based segment streaming. Multimedia Tools and Applications, 2018, 77, 21417-21443.	3.9	4
49	R-FFT: Function Split at IFFT/FFT in Unified LTE CRAN and Cable Access Network. IEEE Transactions on Broadcasting, 2018, 64, 648-665.	3.2	19
50	Integrating Renewable Energy Resources Into the Smart Grid: Recent Developments in Information and Communication Technologies. IEEE Transactions on Industrial Informatics, 2018, 14, 2814-2825.	11.3	255
51	Efficient Multi-Rate Video Encoding for HEVC-Based Adaptive HTTP Streaming. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 143-157.	8.3	24
52	Performance Comparison of R-PHY and R-MACPHY Modular Cable Access Network Architectures. IEEE Transactions on Broadcasting, 2018, 64, 128-145.	3.2	9
53	On the Minimization of Glass-to-Glass and Glass-to-Algorithm Delay in Video Communication. IEEE Transactions on Multimedia, 2018, 20, 238-252.	7.2	23
54	FiWi network throughput-delay modeling with traffic intensity control and local bandwidth allocation. Optical Switching and Networking, 2018, 28, 8-22.	2.0	6

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55	Fulcrum: Flexible Network Coding for Heterogeneous Devices. IEEE Access, 2018, 6, 77890-77910.	4.2	44
56	Hardware Acceleration for RLNC: A Case Study Based on the Xtensa Processor with the Tensilica Instruction-Set Extension. Electronics (Switzerland), 2018, 7, 180.	3.1	8
57	LayBack: SDN Management of Multi-Access Edge Computing (MEC) for Network Access Services and Radio Resource Sharing. IEEE Access, 2018, 6, 57545-57561.	4.2	67
58	Guest Editorial Scalability Issues and Solutions for Software Defined Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 2595-2602.	14.0	23
59	Caterpillar RLNC With Feedback (CRLNC-FB): Reducing Delay in Selective Repeat ARQ Through Coding. IEEE Access, 2018, 6, 44787-44802.	4.2	38
60	Hybrid SDN Networks: A Survey of Existing Approaches. IEEE Communications Surveys and Tutorials, 2018, 20, 3259-3306.	39.4	236
61	Layered Cooperative Resource Sharing at a Wireless SDN Backhaul. , 2018, , .		11
62	Connection Establishment in LTE-A Networks: Justification of Poisson Process Modeling. IEEE Systems Journal, 2017, 11, 2383-2394.	4.6	37
63	LATMAPA: Load-Adaptive Throughput- MAximizing Preamble Allocation for Prioritization in 5G Random Access. IEEE Access, 2017, 5, 1103-1116.	4.2	40
64	Network Coding in Heterogeneous Multicore IoT Nodes With DAG Scheduling of Parallel Matrix Block Operations. IEEE Internet of Things Journal, 2017, 4, 917-933.	8.7	48
65	Requirements, Design Challenges, and Review of Routing and MAC Protocols for CR-Based Smart Grid Systems. , 2017, 55, 206-215.		40
66	Full-Duplex Communication in Cognitive Radio Networks: A Survey. IEEE Communications Surveys and Tutorials, 2017, 19, 2158-2191.	39.4	159
67	Hybrid Collision Avoidance-Tree Resolution for M2M Random Access. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 1974-1987.	4.7	28
68	PACE: Redundancy Engineering in RLNC for Low-Latency Communication. IEEE Access, 2017, 5, 20477-20493.	4.2	50
69	Caterpillar RLNC (CRLNC): A Practical Finite Sliding Window RLNC Approach. IEEE Access, 2017, 5, 20183-20197.	4.2	66
70	SFrWF: Segmented fractional wavelet filter based Dwt for low memory image coders. , 2017, , .		11
71	Guest Editorial Special Section on Smart Grid and Renewable Energy Resources: Information and Communication Technologies With Industry Perspective. IEEE Transactions on Industrial Informatics, 2017, 13, 3119-3123.	11.3	18
72	Latinx and Caucasian Elementary School Childrenâ€™s Knowledge of and Interest in Engineering Activities. Journal of Pre-College Engineering Education Research, 2017, 7, .	0.6	9

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73	Upstream Polling Protocols for Flow Control in PON/xDSL Hybrid Access Networks. IEEE Transactions on Communications, 2016, 64, 2971-2984.	7.8	9
74	Software Defined Optical Networks (SDONs): A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2016, 18, 2738-2786.	39.4	266
75	Control Plane Latency With SDN Network Hypervisors: The Cost of Virtualization. IEEE Transactions on Network and Service Management, 2016, 13, 366-380.	4.9	47
76	Function Split Between Delay-Constrained Routing and Resource Allocation for Centrally Managed QoS in Industrial Networks. IEEE Transactions on Industrial Informatics, 2016, 12, 2050-2061.	11.3	51
77	SDN-Based Smart Gateways (Sm-GWs) for Multi-Operator Small Cell Network Management. IEEE Transactions on Network and Service Management, 2016, 13, 740-753.	4.9	39
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79	ZM-SPECK: A Fast and Memoryless Image Coder for Multimedia Sensor Networks. IEEE Sensors Journal, 2016, 16, 2575-2587.	4.7	41
80	White space: Definitional perspectives and their role in exploiting spectrum opportunities. Telecommunications Policy, 2016, 40, 319-331.	5.3	109
81	Grouping by Cycle Length (GCL) for long-range FiWi networks. Optical Switching and Networking, 2016, 21, 43-57.	2.0	3
82	Cognitive Radio for Smart Grids: Survey of Architectures, Spectrum Sensing Mechanisms, and Networking Protocols. IEEE Communications Surveys and Tutorials, 2016, 18, 860-898.	39.4	285
83	Survey on Network Virtualization Hypervisors for Software Defined Networking. IEEE Communications Surveys and Tutorials, 2016, 18, 655-685.	39.4	226
84	WVSNP-DASH: Name-Based Segmented Video Streaming. IEEE Transactions on Broadcasting, 2015, 61, 346-355.	3.2	18
85	Improved polling strategies for efficient flow control for buffer reduction in PON/xDSL hybrid access networks. , 2015, , .		1
86	Model-based control plane for fast routing in industrial QoS network. , 2015, , .		5
87	IEEE Access Special Section Editorial Smart Grids: a Hub of Interdisciplinary Research. IEEE Access, 2015, 3, 3114-3118.	4.2	41
88	Supporting multimedia learning with visual signalling and animated pedagogical agent: moderating effects of prior knowledge. Journal of Computer Assisted Learning, 2015, 31, 97-115.	5.1	78
89	A simple analytical throughputâ€“delay model for clustered FiWi networks. Photonic Network Communications, 2015, 29, 78-95.	2.7	5
90	Transitional feedback schedules during computer-based problem-solving practice. Computers and Education, 2015, 81, 270-280.	8.3	12

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91	Color Coding of Circuit Quantities in Introductory Circuit Analysis Instruction. IEEE Transactions on Education, 2015, 58, 7-14.	2.4	15
92	FrWF-Based LMBTC: Memory-Efficient Image Coding for Visual Sensors. IEEE Sensors Journal, 2015, 15, 6218-6228.	4.7	29
93	Impact of Retransmission Limit on Preamble Contention in LTE-Advanced Network. IEEE Systems Journal, 2015, 9, 752-765.	4.6	38
94	Video Traffic Characteristics of Modern Encoding Standards: H.264/AVC with SVC and MVC Extensions and H.265/HEVC. Scientific World Journal, The, 2014, 2014, 1-16.	2.1	41
95	Evaluation of dynamic bandwidth allocation with clustered routing in FiWi networks. , 2014, , .		6
96	I. Want. Pixels. (Entering the Age of 4k). IEEE Potentials, 2014, 33, 27-30.	0.3	2
97	Introductory Circuit Analysis Learning From Abstract and Contextualized Circuit Representations: Effects of Diagram Labels. IEEE Transactions on Education, 2014, 57, 160-168.	2.4	20
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99	DyCaPPON: Dynamic circuit and packet passive optical network. Optical Switching and Networking, 2014, 13, 135-147.	2.0	3
100	Representation sequencing in computer-based engineering education. Computers and Education, 2014, 72, 249-261.	8.3	26
101	On shortest single/multiple path computation problems in Fiber-Wireless (FiWi) access networks. , 2014, , .		4
102	FiWi Access Networks Based on Next-Generation PON and Gigabit-Class WLAN Technologies: A Capacity and Delay Analysis. IEEE/ACM Transactions on Networking, 2014, 22, 1176-1189.	3.8	88
103	Smart Camera Networks [Guest editors' introduction]. Computer, 2014, 47, 23-25.	1.1	27
104	Passive optical network (PON) supported networking. Optical Switching and Networking, 2014, 14, 1-10.	2.0	16
105	CluLoR: Clustered Localized Routing for FiWi Networks. Journal of Networks, 2014, 9, .	0.4	3
106	Low-Latency Polling Schemes for Long-Reach Passive Optical Networks. IEEE Transactions on Communications, 2013, 61, 2936-2945.	7.8	21
107	Offline and Online Multi-Thread Polling in Long-Reach PONs: A Critical Evaluation. Journal of Lightwave Technology, 2013, 31, 2018-2028.	4.6	61
108	Learning from abstract and contextualized representations: The effect of verbal guidance. Computers in Human Behavior, 2013, 29, 2239-2247.	8.5	13

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109	Circuits Kit Kâ€“12 Outreach: Impact of Circuit Element Representation and Student Gender. IEEE Transactions on Education, 2013, 56, 316-321.	2.4	13
110	EIBT: Exclusive Intervals for Bulk Transfers on EPONs. Journal of Lightwave Technology, 2013, 31, 99-110.	4.6	5
111	Animated agents in K-12 engineering outreach: Preferred agent characteristics across age levels. Computers in Human Behavior, 2013, 29, 1807-1815.	8.5	26
112	Investigating the impact of pedagogical agent gender matching and learner choice on learning outcomes and perceptions. Computers and Education, 2013, 67, 36-50.	8.3	54
113	Traffic and Statistical Multiplexing Characterization of 3-D Video Representation Formats. IEEE Transactions on Broadcasting, 2013, 59, 382-389.	3.2	39
114	Erratum to "Low-Memory Wavelet Transforms for Wireless Sensor Networks: A Tutorial". IEEE Communications Surveys and Tutorials, 2013, 15, 2122-2122.	39.4	0
115	Pedagogical Agent Signaling of Multiple Visual Engineering Representations: The Case of the Young Female Agent. Journal of Engineering Education, 2013, 102, 319-337.	3.0	78
116	Analytical framework for the capacity and delay evaluation of next-generation FiWi network routing algorithms. , 2013, , .		3
117	Engineering perceptions of female and male K-12 students: effects of a multimedia overview on elementary, middle-, and high-school students. European Journal of Engineering Education, 2013, 38, 519-531.	2.3	16
118	Traffic models for H.264 video using hierarchical prediction structures. , 2012, , .		1
119	A Less-Is-More Architecture (LIMA) for a Future internet. , 2012, , .		4
120	Technological Literacy Learning With Cumulative and Stepwise Integration of Equations Into Electrical Circuit Diagrams. IEEE Transactions on Education, 2012, 55, 480-487.	2.4	19
121	Handling randomness of multi-class Random Access loads in LTE-Advanced network supporting small data applications. , 2012, , .		5
122	Investigation of the DBA Algorithm Design Space for EPONs. Journal of Lightwave Technology, 2012, 30, 2271-2280.	4.6	85
123	Animated engineering tutors: Middle school students' preferences and rationales on multiple dimensions. , 2012, , .		2
124	VMP: A MAC Protocol for EPON-Based Video-Dominated FiWi Access Networks. IEEE Transactions on Broadcasting, 2012, 58, 440-453.	3.2	17
125	H.264 Coarse Grain Scalable (CGS) and Medium Grain Scalable (MGS) Encoded Video: A Trace Based Traffic and Quality Evaluation. IEEE Transactions on Broadcasting, 2012, 58, 428-439.	3.2	31
126	Video Transport Evaluation With H.264 Video Traces. IEEE Communications Surveys and Tutorials, 2012, 14, 1142-1165.	39.4	167

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127	Multicast capacity of optical ring network with hotspot traffic: The bi-directional WDM packet ring. Optical Switching and Networking, 2012, 9, 61-80.	2.0	1
128	Efficient delivery of frequent small data for U-healthcare applications over LTE-advanced networks. , 2012, , .		12
129	Delay analysis for ethernet long-reach passive optical networks. , 2012, , .		8
130	Low-Memory Wavelet Transforms for Wireless Sensor Networks: A Tutorial. IEEE Communications Surveys and Tutorials, 2011, 13, 291-307.	39.4	54
131	Work in progress — Modules and laboratories for a pathways course in signals and systems. , 2011, , .		1
132	A strawman proposal for future diverse internets. , 2011, , .		2
133	Towards Efficient Wireless Video Sensor Networks: A Survey of Existing Node Architectures and Proposal for A Flexi-WVSNP Design. IEEE Communications Surveys and Tutorials, 2011, 13, 462-486.	39.4	96
134	Impact of EPON DBA Components on Performance. , 2011, , .		1
135	Objective Video Quality Assessment Methods: A Classification, Review, and Performance Comparison. IEEE Transactions on Broadcasting, 2011, 57, 165-182.	3.2	493
136	Editorial for First Quarter 2011 IEEE Communications Surveys & Tutorials. IEEE Communications Surveys and Tutorials, 2011, 13, 1-2.	39.4	5
137	Capacity and Delay Analysis of Next-Generation Passive Optical Networks (NG-PONs). IEEE Transactions on Communications, 2011, 59, 1378-1388.	7.8	67
138	Performance evaluation of the fractional wavelet filter: A low-memory image wavelet transform for multimedia sensor networks. Ad Hoc Networks, 2011, 9, 482-496.	5.5	36
139	Teaching with concrete and abstract visual representations: Effects on students' problem solving, problem representations, and learning perceptions.. Journal of Educational Psychology, 2011, 103, 32-47.	2.9	83
140	The Effects of Priority Levels and Buffering on the Statistical Multiplexing of Single-Layer H.264/AVC and SVC Encoded Video Streams. IEEE Transactions on Broadcasting, 2010, 56, 281-287.	3.2	17
141	Overview and Traffic Characterization of Coarse-Grain Quality Scalable (CGS) H.264 SVC Encoded Video. , 2010, , .		10
142	Preâ€college Electrical Engineering Instruction: The Impact of Abstract vs. Contextualized Representation and Practice on Learning. Journal of Engineering Education, 2010, 99, 225-235.	3.0	34
143	Shortest propagation delay (SPD) first scheduling for EPONs with heterogeneous propagation delays. IEEE Journal on Selected Areas in Communications, 2010, 28, 849-862.	14.0	44
144	Towards a Fundamental Understanding of the Stability and Delay of Offline WDM EPONs. Journal of Optical Communications and Networking, 2010, 2, 51.	4.8	9

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145	Video network traffic and quality comparison of VP8 and H.264 SVC. , 2010, , .		14
146	Optimizing Workedâ€Example Instruction in Electrical Engineering: The Role of Fading and Feedback during Problemâ€Solving Practice. Journal of Engineering Education, 2009, 98, 83-92.	3.0	49
147	Pre-college electrical engineering instruction: do abstract or contextualized representations promote better learning?. , 2009, , .		10
148	Evaluation of Physical Carrier Sense Based Backbone Maintenance in Mobile Ad Hoc Networks. International Journal of Vehicular Technology, 2009, 2009, 1-13.	1.1	1
149	The Audacity of Fiber-Wireless (FiWi) Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 16-35.	0.3	28
150	Implications of Smoothing on Statistical Multiplexing of H.264/AVC and SVC Video Streams. IEEE Transactions on Broadcasting, 2009, 55, 541-558.	3.2	60
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155	MultiChannel EPONs. Optical Networks Series, 2009, , 197-217.	1.1	0
156	Continuous-Time Collaborative Prefetching of Continuous Media. IEEE Transactions on Broadcasting, 2008, 54, 36-52.	3.2	12
157	Corrections to Video Texture and Motion Based Modeling of Rate Variability-Distortion (VD) Curves. IEEE Transactions on Broadcasting, 2008, 54, 166-166.	3.2	0
158	Multicast Capacity of Packet-Switched Ring WDM Networks. IEEE Transactions on Information Theory, 2008, 54, 623-644.	2.4	16
159	Ethernet passive optical network architectures and dynamic bandwidth allocation algorithms. IEEE Communications Surveys and Tutorials, 2008, 10, 46-60.	39.4	167
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161	Delay analysis of Ethernet passive optical networks with gated service. Journal of Optical Networking, 2008, 7, 25.	2.5	59
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164	Traffic and Quality Characterization of the H.264/AVC Scalable Video Coding Extension. Advances in Multimedia, 2008, 2008, 1-27.	0.4	27
165	Traffic and Quality Characterization of Single-Layer Video Streams Encoded with the H.264/MPEG-4 Advanced Video Coding Standard and Scalable Video Coding Extension. IEEE Transactions on Broadcasting, 2008, 54, 698-718.	3.2	157
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167	WDM star subnetwork upgrade of optical ring networks for maximum spatial reuse under multicast traffic. IEEE Journal on Selected Areas in Communications, 2007, 25, 55-67.	14.0	1
168	On the multicast capacity of unidirectional and bidirectional packet-switched WDM ring networks. IEEE Journal on Selected Areas in Communications, 2007, 25, 105-119.	14.0	4
169	Learner Achievement and Attitudes under Different Paces of Transitioning to Independent Problem Solving. Journal of Engineering Education, 2007, 96, 45-56.	3.0	13
170	Multicasting in a WDM-upgraded Resilient Packet Ring. Journal of Optical Networking, 2007, 6, 415.	2.5	4
171	Multicast Capacity of Optical Packet Ring for Hotspot Traffic. Journal of Lightwave Technology, 2007, 25, 2638-2652.	4.6	4
172	STARGATE: the next evolutionary step toward unleashing the potential of WDM EPONs [Topics in Optical Communications]. , 2007, 45, 50-56.		62
173	Just-in-Time Online Scheduling for WDM EPONs. , 2007, , .		7
174	Work in progress - instructional strategies for pre-college engineering education. Proceedings - Frontiers in Education Conference, FIE, 2007, , .	0.0	0
175	Active and cooperative learning in a freshman digital design course: impact on persistence in engineering and student motivational orientation. Proceedings - Frontiers in Education Conference, FIE, 2007, , .	0.0	7
176	Adaptive bitstream switching of scalable video. Signal Processing: Image Communication, 2007, 22, 809-832.	3.2	1
177	Video Texture and Motion Based Modeling of Rate Variability-Distortion (VD) Curves. IEEE Transactions on Broadcasting, 2007, 53, 637-648.	3.2	16
178	Corrections to "Video texture and motion based modeling of rate variability-distortion (VD) curves". IEEE Transactions on Broadcasting, 2007, 53, 811-811.	3.2	0
179	MANET Routing with Provably Low Complexity Through Constant Density Clustering and Route Request Broadcast. Wireless Personal Communications, 2007, 43, 605-621.	2.7	8
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182	Semantically Coupled Header Compression. , 2006, , .		0
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185	Bandwidth management for WDM EPONs. Journal of Optical Networking, 2006, 5, 637.	2.5	77
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