

Antonios Argyriou

List of Publications by Year in descending order

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114
papers

1,370
citations

516710

16
h-index

434195

31
g-index

117
all docs

117
docs citations

117
times ranked

1407
citing authors

#	ARTICLE	IF	CITATIONS
1	Security for 4G and 5G cellular networks: A survey of existing authentication and privacy-preserving schemes. <i>Journal of Network and Computer Applications</i> , 2018, 101, 55-82.	9.1	190
2	Caching and operator cooperation policies for layered video content delivery. , 2016, , .		90
3	Video delivery over heterogeneous cellular networks: Optimizing cost and performance. , 2014, , .		85
4	MEC-Assisted Panoramic VR Video Streaming Over Millimeter Wave Mobile Networks. <i>IEEE Transactions on Multimedia</i> , 2019, 21, 1302-1316.	7.2	83
5	Route Optimization of Electric Vehicles Based on Dynamic Wireless Charging. <i>IEEE Access</i> , 2018, 6, 42551-42565.	4.2	82
6	Jamming attack detection in a pair of RF communicating vehicles using unsupervised machine learning. <i>Vehicular Communications</i> , 2018, 13, 56-63.	4.0	79
7	A novel Intrusion Detection System against spoofing attacks in connected Electric Vehicles. <i>Array</i> , 2020, 5, 100013.	4.0	56
8	Wireless network coding with improved opportunistic listening. <i>IEEE Transactions on Wireless Communications</i> , 2009, 8, 2014-2023.	9.2	48
9	Rendering-Aware VR Video Caching Over Multi-Cell MEC Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 2728-2742.	6.3	35
10	Cooperative Protocol for Analog Network Coding in Distributed Wireless Networks. <i>IEEE Transactions on Wireless Communications</i> , 2010, 9, 3112-3119.	9.2	34
11	Optimizing Data Forwarding from Body Area Networks in the Presence of Body Shadowing with Dual Wireless Technology Nodes. <i>IEEE Transactions on Mobile Computing</i> , 2015, 14, 632-645.	5.8	33
12	Joint Time-Domain Resource Partitioning, Rate Allocation, and Video Quality Adaptation in Heterogeneous Cellular Networks. <i>IEEE Transactions on Multimedia</i> , 2015, 17, 736-745.	7.2	30
13	Cross-Layer Error Control for Multimedia Streaming in Wireless/Wireline Packet Networks. <i>IEEE Transactions on Multimedia</i> , 2008, 10, 1121-1127.	7.2	29
14	Distributed Caching Algorithms in the Realm of Layered Video Streaming. <i>IEEE Transactions on Mobile Computing</i> , 2019, 18, 757-770.	5.8	23
15	Using a new protocol to enhance path reliability and realize load balancing in mobile ad hoc networks. <i>Ad Hoc Networks</i> , 2006, 4, 60-74.	5.5	22
16	Video Delivery in Dense 5G Cellular Networks. <i>IEEE Network</i> , 2017, 31, 28-34.	6.9	22
17	Error-Resilient Video Encoding and Transmission in Multirate Wireless LANs. <i>IEEE Transactions on Multimedia</i> , 2008, 10, 691-700.	7.2	21
18	Cross-Layer and Cooperative Opportunistic Network Coding in Wireless Ad Hoc Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2010, 59, 803-812.	6.3	19

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19	Intrusion Detection System for Platooning Connected Autonomous Vehicles. , 2019, , .		17
20	A soft-handoff transport protocol for media flows in heterogeneous mobile networks. Computer Networks, 2006, 50, 1860-1871.	5.1	16
21	Estimating the Relative Speed of RF Jammers in VANETs. Security and Communication Networks, 2019, 2019, 1-18.	1.5	14
22	Quality-Driven TCP Friendly Rate Control for Real-Time Video Streaming. , 2008, , .		12
23	Joint Source Coding and Network-Supported Distributed Error Control for Video Streaming in Wireless Multihop Networks. IEEE Transactions on Multimedia, 2009, 11, 1362-1372.	7.2	12
24	Coordinating Interfering Transmissions in Cooperative Wireless LANs. IEEE Transactions on Wireless Communications, 2011, 10, 3804-3812.	9.2	12
25	MAC protocol for wireless cooperative physical-layer network coding. , 2012, , .		12
26	Green video delivery in LTE-based heterogeneous cellular networks. , 2015, , .		12
27	Multi-Source Cooperative Communication With Opportunistic Interference Cancelling Relays. IEEE Transactions on Communications, 2015, 63, 4086-4096.	7.8	12
28	Distributed Estimation in Wireless Sensor Networks With an Interference Canceling Fusion Center. IEEE Transactions on Wireless Communications, 2016, 15, 2205-2214.	9.2	12
29	Power and performance exploration of embedded systems executing multimedia kernels. IEE Proceedings: Computers and Digital Techniques, 2002, 149, 164.	1.6	11
30	Real-time and rateâ€distortion optimized video streaming with TCP. Signal Processing: Image Communication, 2007, 22, 374-388.	3.2	11
31	Power-efficient estimation in IEEE 802.11ah wireless sensor networks with a cooperative relay. , 2015, , .		10
32	Link Scheduling for Multiple Multicast Sessions in Distributed Wireless Networks. IEEE Wireless Communications Letters, 2013, 2, 343-346.	5.0	9
33	Performance evaluation and optimization of sctp in wireless ad-hoc networks. , 0, , .		8
34	A Novel End-to-End Architecture for H.264 Video Streaming over the Internet. Telecommunication Systems, 2005, 28, 133-150.	2.5	8
35	Network Coding in IEEE 802.11 Wireless LANs with an Enhanced Channel Access Scheme. , 2008, , .		8
36	SSIM-based error-resilient cross-layer optimization for wireless video streaming. Signal Processing: Image Communication, 2016, 40, 36-51.	3.2	8

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37	A memory management approach for efficient implementation of multimedia kernels on programmable architectures. , 0, , .		7
38	MIMO Techniques for Jamming Threat Suppression in Vehicular Networks. Mobile Information Systems, 2016, 2016, 1-9.	0.6	7
39	An X Band Radio Channel Model for Propagation Through the Solar Corona. Radio Science, 2018, 53, 1014-1022.	1.6	7
40	Estimating Downlink Throughput from End-user Measurements in Mobile Broadband Networks. , 2019, , .		7
41	Stochastic Optimization of Electric Vehicle Charging Stations. , 2019, , .		7
42	Large scale "speedtest" experimentation in Mobile Broadband Networks. Computer Networks, 2021, 184, 107629.	5.1	7
43	Compressed Video Streaming in Cooperative Wireless Networks with Interfering Transmissions. IEEE Transactions on Communications, 2012, 60, 3407-3416.	7.8	6
44	Data Collection from Resource-Limited Wireless Sensors for Cloud-Based Applications. , 2015, , .		6
45	A cooperative protocol for video streaming in dense small cell wireless relay networks. Signal Processing: Image Communication, 2015, 31, 151-160.	3.2	6
46	The same, only different: Contrasting mobile operator behavior from crowdsourced dataset. , 2017, , .		6
47	Cross-layer optimized authentication and error control for wireless 3D medical video streaming over LTE. Journal of Visual Communication and Image Representation, 2017, 46, 208-218.	2.8	5
48	Joint Source Encoding and Networking Optimization for Panoramic Video Streaming over LTE-A Downlink. , 2017, , .		5
49	Performance Evaluation of Network Coding and Packet Skipping in IEEE 802.15.4-Based Real-Time Wireless Sensor Networks. Lecture Notes in Computer Science, 2011, , 98-113.	1.3	5
50	Distributed resource allocation for network-supported FGS video streaming. , 2007, , .		4
51	The design and evaluation of an end-to-end handoff management protocol. Wireless Networks, 2007, 13, 61-75.	3.0	4
52	Collision recovery in distributed wireless networks with opportunistic cooperation. IEEE Communications Letters, 2010, 14, 300-302.	4.1	4
53	Scalable 3D video streaming over P2P networks with playback length changeable chunk segmentation. Journal of Visual Communication and Image Representation, 2015, 31, 41-53.	2.8	4
54	3DQoE-Oriented and Energy-Efficient 2D plus Depth Based 3D Video Streaming Over Centrally Controlled Networks. IEEE Transactions on Multimedia, 2018, 20, 2439-2453.	7.2	4

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55	Binocular-Combination-Oriented Perceptual Rate-Distortion Optimization for Stereoscopic Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1949-1959.	8.3	4
56	HINDSIGHT. , 2018, , .		4
57	Cross-layer DASH-based multipath video streaming over LTE and 802.11ac networks. Multimedia Tools and Applications, 2021, 80, 16007-16026.	3.9	4
58	360-Degree VR Video Watermarking Based on Spherical Wavelet Transform. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-23.	4.3	4
59	Data and instruction memory exploration of embedded systems for multimedia applications. , 0, , .		3
60	Improving the Performance of TCP Wireless Video Streaming with a Novel Playback Adaptation Algorithm. , 2006, , .		3
61	An Analytical Study of Network Coding in the Presence of Real-Time Messages. , 2010, , .		3
62	Queueing model and optimization of packet dropping in real-time wireless sensor networks. , 2012, , .		3
63	Optimizing interference cancellation in cooperative wireless networks with relay selection. , 2014, , .		3
64	Modeling the lossy transmission of correlated sources in multiple access fading channels. Physical Communication, 2017, 24, 34-45.	2.1	3
65	Secrecy in wireless communication through closed-loop receiver de-synchronization. Physical Communication, 2020, 43, 101195.	2.1	3
66	Tile caching for scalable VR video streaming over 5G mobile networks. Journal of Visual Communication and Image Representation, 2021, 79, 103210.	2.8	3
67	Memory hierarchy optimization of multimedia applications on programmable embedded cores. , 0, , .		2
68	Using Rate-Distortion Metrics for Real-Time Internet Video Streaming with TCP. , 2006, , .		2
69	WLC47-1: Modeling the Effect of Mobile Handoffs on TCP and TFRC Throughput. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	2
70	Cross-Layer Adaptive ARQ for Uplink Video Streaming in Tandem Wireless/Wireline Networks. , 2007, , .		2
71	Special Issue on Quality-Driven Cross-Layer Design for Multimedia Communications. IEEE Transactions on Multimedia, 2009, 11, 1049-1051.	7.2	2
72	Network Coding and Service Reneging for Real-Time Communication in Sensor Networks. , 2010, , .		2

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73	A cooperative protocol for spectral-efficient cognitive relay networks. , 2014, , .		2
74	Transmit power aware cross-layer optimization for LTE uplink video streaming. , 2015, , .		2
75	A heuristic approach for overlay content-caching network design in 5G wireless networks. , 2016, , .		2
76	Cache-assisted interference cancellation in the multi-user downlink fading channel and its application in HetNets. Physical Communication, 2019, 37, 100874.	2.1	2
77	RF Jamming Classification Using Relative Speed Estimation in Vehicular Wireless Networks. Security and Communication Networks, 2021, 2021, 1-16.	1.5	2
78	A Demonstration of a Relaying Selection Scheme for Maximizing a Diamond Network's Throughput. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 408-410.	0.3	2
79	A joint performance model of TCP and TFRC with mobility management protocols. Wireless Communications and Mobile Computing, 2006, 6, 547-557.	1.2	1
80	WLC40-6: Playback Adaptation with Transport-Protocol Awareness for Wireless Video Streaming. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	1
81	Distortion-optimized scheduling of packet video for internet streaming with TCP. , 2007, , .		1
82	Distortion-optimized video encoding and streaming in multi-rate wireless lans. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	1
83	Packet skipping and network coding for delay-sensitive network communication. Performance Evaluation, 2012, 69, 456-469.	1.2	1
84	On the implementation of relay selection strategies for a cooperative diamond network. , 2013, , .		1
85	Optimizing video quality in dense small-cell wireless networks with packet overhearing. , 2014, , .		1
86	Transmission of correlated Gaussian sources with opportunistic interference. , 2014, , .		1
87	Video-aware time-domain resource partitioning in heterogeneous cellular networks. , 2015, , .		1
88	Energy and Spectrum Efficient Parameter Estimation in Wireless Body Sensor Networks. IEEE Wireless Communications Letters, 2015, 4, 365-368.	5.0	1
89	Spectrally-Efficient Cooperative Video Delivery in 5G Heterogeneous Wireless Networks. , 2016, , .		1
90	Cross-network and cross-layer optimized video streaming over LTE and WCDMA downlink. , 2016, , .		1

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91	FLEX-MONROE. , 2017, , .		1
92	AoA Estimation of Spatially Correlated MIMO Transmitters in Wireless Passive Radar Applications. , 2022, , .		1
93	Number of Sources Detection and AoA Estimation of a Wireless Transmitter in Multipath Channels. , 2022, , .		1
94	Data memory power optimization and performance exploration of embedded systems for implementing motion estimation algorithms. Real Time Imaging, 2003, 9, 371-386.	1.6	0
95	A media streaming protocol for heterogeneous wireless networks. , 0, , .		0
96	Behavioral-Level Performance and Power Exploration of Data-Intensive Applications Mapped on Programmable Processors. Journal of Signal Processing Systems, 2006, 44, 153-171.	1.0	0
97	Distributed Optimization of Media Flows in Peer-to-Peer Overlay Networks. , 2008, , .		0
98	Distributed rate allocation for multi-flow video delivery. , 2009, , .		0
99	The Design and Software Implementation of a MAC Protocol for Body-Coupled Communication Systems. , 2011, , .		0
100	Wireless video transmission with over-the-air packet mixing. , 2012, , .		0
101	Multiple packet reception in asynchronous wireless networks. , 2013, , .		0
102	Exploiting cross-layer packet overhearing for opportunistic distributed STC in wireless relay networks. , 2013, , .		0
103	Multiple access with asynchronous broadcasting in wireless cooperative networks. , 2013, , .		0
104	Distributed space-time coding of over-the-air superimposed packets in wireless networks. , 2013, , .		0
105	Interference decoding in cellular wireless relay networks with space-time coding. , 2014, , .		0
106	Video-aware relay selection in single-carrier and OFDM wireless systems. , 2014, , .		0
107	Data Collection from Resource-Limited Wireless Sensors for Cloud-Based Applications. , 2014, , .		0
108	User Cooperation in Heterogeneous Cellular Networks for Improved Spectral Efficiency. , 2014, , .		0

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109	User Cooperation in Heterogeneous Cellular Networks for Improved Spectral Efficiency. , 2015, , .		0
110	Forwarding interfering signals in wireless ad hoc networks under MRC receiver processing. , 2015, , .		0
111	Cooperative live video multicast for small cell base stations with overlapping coverage. , 2016, , .		0
112	Lossy transmission of correlated sources in a multiple access quasi-static fading channel. , 2016, , .		0
113	Scalable and Adaptive Polling Protocol for Concurrent Wireless Sensor Data Flows. , 2018, , .		0
114	Cooperative Speed Estimation of an RF Jammer in Wireless Vehicular Networks. Lecture Notes in Computer Science, 2020, , 205-223.	1.3	0