

Evangelos Pallis

List of Publications by Year in descending order

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136
papers

2,118
citations

394421

19
h-index

361022

35
g-index

140
all docs

140
docs citations

140
times ranked

1775
citing authors

#	ARTICLE	IF	CITATIONS
1	Intelligent Reflecting Surface Aided Wireless Systems with Imperfect Hardware. Electronics (Switzerland), 2022, 11, 900.	3.1	4
2	Enabling Full-duplex in MEC Networks Using Uplink NOMA in Presence of Hardware Impairments. Wireless Personal Communications, 2021, 120, 1945-1973.	2.7	2
3	On Analyzing Routing Selection for Aerial Autonomous Vehicles Connected to Mobile Network. Sensors, 2021, 21, 399.	3.8	1
4	VASNET Routing Protocol in Crisis Scenario Based on Carrier Vehicle. Internet of Things, 2021, , 405-425.	1.7	0
5	Artificial Intelligence and Blockchain-Assisted Offloading Approach for Data Availability Maximization in Edge Nodes. IEEE Transactions on Vehicular Technology, 2021, 70, 2404-2412.	6.3	36
6	Towards an optimized security approach to IoT devices with confidential healthcare data exchange. Multimedia Tools and Applications, 2021, 80, 31435-31449.	3.9	11
7	IoT cloud-based framework using of smart integration to control the spread of COVID-19. , 2021, , .		4
8	Towards a Machine Learning Based Situational Awareness Framework for Cybersecurity: An SDN Implementation. Sensors, 2021, 21, 4939.	3.8	25
9	On Analyzing Beamforming Implementation in O-RAN 5G. Electronics (Switzerland), 2021, 10, 2162.	3.1	11
10	Evaluation of the COVID-19 Era by Using Machine Learning and Interpretation of Confidential Dataset. Electronics (Switzerland), 2021, 10, 2910.	3.1	5
11	Robust Encryption to Enhance IoT Confidentiality for Healthcare Ecosystems. , 2021, , .		6
12	Transfer Time Calculation in FANET and WSN Networks in Crisis Scenario. , 2021, , .		1
13	A Hardware Acceleration Platform for AI-Based Inference at the Edge. Circuits, Systems, and Signal Processing, 2020, 39, 1059-1070.	2.0	23
14	A Survey on the Internet of Things (IoT) Forensics: Challenges, Approaches, and Open Issues. IEEE Communications Surveys and Tutorials, 2020, 22, 1191-1221.	39.4	455
15	Modified Machine Learning Techique for Curve Fitting on Regression Models for COVID-19 projections. , 2020, , .		15
16	Retransmission-based Successful Delivery Tuning in Damaged Critical Infrastructures for VANETs. , 2020, , .		5
17	Successful Delivery in VANETs with Damaged Infrastructures Based on Double Cluster Head Selection. , 2020, , .		2
18	Proteinaceous methanotrophs for feed additive using biowaste as carbon and nutrients source. Bioresource Technology, 2020, 313, 123646.	9.6	33

#	ARTICLE	IF	CITATIONS
19	Intelligent Vehicular Networking Protocols. Internet of Things, 2020, , 59-86.	1.7	3
20	Medical Image Watermarking in Four Levels Decomposition of DWT Using Multiple Wavelets in IoT Emergence. Internet of Things, 2020, , 15-31.	1.7	3
21	Cloud-Native Application Validation & Stress Testing through a Framework for Auto-Cluster Deployment. , 2019, , .		1
22	Security Assessment as a Service Cross-Layered System for the Adoption of Digital, Personalised and Trusted Healthcare. , 2019, , .		11
23	Elasticity Debt Analytics Exploitation for Green Mobile Cloud Computing: An Equilibrium Model. IEEE Transactions on Green Communications and Networking, 2019, 3, 122-131.	5.5	12
24	Vulnerability assessment as a service for fog-centric ICT ecosystems: A healthcare use case. Peer-to-Peer Networking and Applications, 2019, 12, 1216-1224.	3.9	22
25	Acceleration at the Edge for Supporting SMEs Security: The FORTIKA Paradigm. IEEE Communications Magazine, 2019, 57, 41-47.	6.1	17
26	Guest Editorial Special Issue on Multimedia Services Provision Over Future Mobile Computing Systems. IEEE Systems Journal, 2018, 12, 12-15.	4.6	1
27	A mixed reality 3D system for the integration of X3DoM graphics with real-time IoT data. Multimedia Tools and Applications, 2018, 77, 4731-4752.	3.9	12
28	Composting as a Service: A Real-World IoT Implementation. Future Internet, 2018, 10, 107.	3.8	7
29	On the Efficiency Evaluation of a Novel Scheme Based on Daubechies Wavelet for Watermarking in 5G. , 2018, , .		2
30	Edge Caching Architecture for Media Delivery over P2P Networks. , 2018, , .		4
31	Skills Development in the Field of Next Generation Networked Media Over 4G+ Infrastructures: The Nereus Approach and its First Results. , 2018, , .		0
32	Elasticity Debt Analytics Exploitation for Green Mobile Cloud Computing: An Equilibrium Model. , 2018, , .		2
33	Socially Oriented Edge Computing for Energy Awareness in IoT Architectures. IEEE Communications Magazine, 2018, 56, 139-145.	6.1	30
34	Towards a next generation 112 testbed: The EMYNOS ESInet. International Journal of Critical Infrastructure Protection, 2018, 22, 39-50.	4.6	3
35	EMYNOS: Next Generation Emergency Communication. IEEE Communications Magazine, 2017, 55, 139-145.	6.1	26
36	EXEGESIS: Extreme Edge Resource Harvesting for a Virtualized Fog Environment. , 2017, 55, 173-179.		55

#	ARTICLE	IF	CITATIONS
37	Big Data and Cloud Computing: A Survey of the State-of-the-Art and Research Challenges. Studies in Big Data, 2017, , 23-41.	1.1	43
38	Computing, Caching, and Communication at the Edge: The Cornerstone for Building a Versatile 5G Ecosystem. , 2017, 55, 152-157.		74
39	Efficient Next Generation Emergency Communications over Multi-Access Edge Computing. IEEE Communications Magazine, 2017, 55, 92-97.	6.1	50
40	An NF V-powered emergency system for smart enhanced living environments. , 2017, , .		6
41	NEREUS: an ERASMUS+ Strategic Partnership for skills development in the field of "next generation networked media over 4G+ infrastructures". , 2017, , .		0
42	Survey on Technologies for Enabling Real-Time Communication in the Web of Things. Internet of Things, 2017, , 323-339.	1.7	6
43	ID-Based Communication for Access to Sensor Nodes. Internet of Things, 2017, , 145-163.	1.7	0
44	Guest Editorial: Multimedia Services Provision over Future Mobile Computing Systems. IEEE Systems Journal, 2016, 10, 745-748.	4.6	0
45	A Fog-Based Emergency System for Smart Enhanced Living Environments. IEEE Cloud Computing, 2016, 3, 54-62.	3.9	50
46	On the performance comparison of the agent-based rate adaptivity scheme for IEEE 802.11n and ZigBee. , 2016, , .		1
47	Efficient entertainment services provision over a novel network architecture. IEEE Wireless Communications, 2016, 23, 14-21.	9.0	36
48	Near optimal synthesis of exponential log-periodic dipole array geometry by applying invasive weed optimization. , 2016, , .		0
49	Towards the evaluation of a big data-as-a-service model: A decision theoretic approach. , 2016, , .		15
50	A virtual network functions brokering mechanism. , 2016, , .		6
51	Context awareness location-based Android application for tracking purposes in assisted living. , 2016, , .		3
52	Radar measurements with remote control software. , 2016, , .		0
53	Quantifying and evaluating the technical debt on mobile cloud-based service level. , 2016, , .		15
54	Energy-efficient management using a traffic-oriented routing scheme for cognitive radio networks. International Journal of Network Management, 2015, 25, 418-434.	2.2	4

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55	Using Incoming Traffic for Energy-Efficient Routing in Cognitive Radio Networks. Journal of Information Technology Research, 2015, 8, 1-24.	0.5	1
56	Performance analysis of a rate-adaptive bandwidth allocation scheme in 5G mobile networks. , 2015, , .		9
57	MPEG-DASH users' QoE: The segment duration effect. , 2015, , .		12
58	On the perceived quality evaluation of opportunistic Mobile P2P Scalable Video streaming. , 2015, , .		5
59	Resource usage prediction algorithms for optimal selection of multimedia content delivery methods. , 2015, , .		27
60	An energy-aware scheme for efficient spectrum utilization in a 5G mobile cognitive radio network architecture. Telecommunication Systems, 2015, 59, 63-75.	2.5	39
61	Design and Optimization of Wideband Log-Periodic Dipole Arrays under Requirements for High Gain, High Front-to-Back Ratio, Optimal Gain Flatness, and Low Side Lobe Level: The Application of Invasive Weed Optimization. , 2015, , 21-61.		3
62	A Social-Oriented Mobile Cloud Scheme for Optimal Energy Conservation. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2015, , 97-121.	0.5	4
63	Traffic-Based S-MAC. International Journal of Wireless Networks and Broadband Technologies, 2015, 4, 62-80.	1.0	6
64	A Resource Prediction Engine for Efficient Multimedia Services Provision. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2015, , 361-380.	0.5	3
65	Predicting and quantifying the technical debt in cloud software engineering. , 2014, , .		27
66	Resource usage prediction for optimal and balanced provision of multimedia services. , 2014, , .		27
67	Virtual Network Functions exploitation through a prototype resource management framework. , 2014, , .		9
68	Noise reduction for accurate power measurements of low level signals. , 2014, , .		1
69	Context-oriented opportunistic cloud offload processing for energy conservation in wireless devices. , 2014, , .		23
70	MPEG-DASH over IDVB-T: The QoE unfairness issue. , 2014, , .		0
71	Performance analysis of reactive routing protocols in Mobile Ad hoc Networks. , 2014, , .		10
72	Energy-Efficient Routing in Cognitive Radio Networks. Modeling and Optimization in Science and Technologies, 2014, , 323-340.	0.7	5

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73	Joint energy and delay-aware scheme for 5G mobile cognitive radio networks. , 2014, , .		21
74	A prototype cognitive radio architecture for TVWS exploitation under the real time secondary spectrum market policy. Physical Communication, 2014, 10, 159-168.	2.1	62
75	Energy efficient resource sharing using a traffic-oriented routing scheme for cognitive radio networks. IET Networks, 2014, 3, 54-63.	1.8	28
76	Efficient radio resource management algorithms in opportunistic cognitive radio networks. Transactions on Emerging Telecommunications Technologies, 2014, 25, 785-797.	3.9	29
77	T-NOVA: A marketplace for virtualized network functions. , 2014, , .		72
78	Measurements on Modern Wireless Communication Technologies and Estimation of Human Exposure. Modeling and Optimization in Science and Technologies, 2014, , 115-130.	0.7	2
79	A resource intensive traffic-aware scheme using energy-aware routing in cognitive radio networks. Future Generation Computer Systems, 2014, 39, 16-28.	7.5	60
80	Resource Management in Mobile Computing Environments. Modeling and Optimization in Science and Technologies, 2014, , .	0.7	14
81	QoE fairness, HTTP Adaptive Streaming and IDVB-T: The AWM approach. , 2014, , .		3
82	Media-Aware Networks in Future Internet Media. , 2014, , 105-112.		2
83	Energy and Resource Consumption Evaluation of Mobile Cognitive Radio Devices. Modeling and Optimization in Science and Technologies, 2014, , 359-388.	0.7	5
84	Using Traffic Diversities for Scheduling Wireless Interfaces for Energy Harvesting in Wireless Devices. Modeling and Optimization in Science and Technologies, 2014, , 481-496.	0.7	4
85	Efficient Resource Management Utilizing Content-Aware Multipath Routing. Modeling and Optimization in Science and Technologies, 2014, , 389-395.	0.7	2
86	Peer-to-Peer Constellations in an IMS-Enabled Network Architecture Based on Interactive Broadcasting. Modeling and Optimization in Science and Technologies, 2014, , 271-282.	0.7	1
87	Radio resource management algorithms for efficient QoS provisioning over cognitive radio networks. , 2013, , .		15
88	Real-time performance evaluation of F-BTD scheme for optimized QoS energy conservation in wireless devices. , 2013, , .		12
89	Maximizing energy conservation in a centralized cognitive radio network architecture. , 2013, , .		14
90	On the performance response of delay-bounded energy-aware bandwidth allocation scheme in wireless networks. , 2013, , .		31

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91	Performance evaluation of dynamic cloud resource migration based on temporal and capacity-aware policy for efficient resource sharing. , 2013, , .		24
92	Optimizing radio resource management in energy-efficient cognitive radio networks. , 2013, , .		9
93	An energy-efficient routing scheme using Backward Traffic Difference estimation in cognitive radio networks. , 2013, , .		12
94	Joint Radio Resource Management in Cognitive Networks. Advances in Wireless Technologies and Telecommunication Book Series, 2013, , 50-80.	0.4	8
95	A radio resource management framework for opportunistic TVWS access. , 2012, , .		10
96	Content adaptation of IPTV services in Interactive DVB-T systems. , 2012, , .		0
97	Distributed NQoS provision in interactive DVB-T systems. , 2012, , .		2
98	A centralised broker-based CR network architecture for TVWS exploitation under the RTSSM policy. , 2012, , .		14
99	A novel content-aware multipath routing concept exploiting random utility theory principles. , 2012, , .		1
100	Case study of a dimmable outdoor lighting system with intelligent management and remote control. , 2012, , .		26
101	A radio resource management framework for TVWS exploitation under the RTSSM policy. , 2012, , .		10
102	Planning and provisioning of Virtual Content Aware Networks over IP infrastructures. , 2012, , .		0
103	A spectrum aware routing protocol for public safety applications over cognitive radio networks. , 2012, , .		9
104	Optimised network resource exploitation in interactive broadcasting environments via P2P constellations. , 2012, , .		4
105	QoS provisioning and policy management in a broker-based CR network architecture. , 2012, , .		22
106	A spectrum aware routing protocol for ad-hoc cognitive radio networks. , 2012, , .		7
107	IMS-enabled interactive broadcasting network utilizing peer to peer constellations. , 2012, , .		0
108	A dynamic spectrum management framework for efficient TVWS exploitation. , 2012, , .		10

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109	Cross-layer monitoring in IPTV networks. , 2012, 50, 76-84.		12
110	Joint assessment of Network- and Perceived-QoS in video delivery networks. Telecommunication Systems, 2012, 49, 75-84.	2.5	10
111	TV White Spaces exploitation utilizing a Cognitive Radio system based on DVB-H. , 2011, , .		2
112	Media Ecosystem deployment in a content-aware Future Internet architecture. , 2011, , .		4
113	Enhancing legacy infrastructures with content-aware enablers towards a networked-media platform. , 2011, , .		2
114	Real-time TVWS trading based on a centralized CR network architecture. , 2011, , .		17
115	A preliminary implementation of a Content-Aware network node. , 2011, , .		5
116	Media Ecosystems: A Novel Approach for Content-Awareness in Future Networks. Lecture Notes in Computer Science, 2011, , 369-380.	1.3	8
117	A DVB/IP QoS aware Backhaul Networking Environment. Wireless Personal Communications, 2010, 52, 637-649.	2.7	11
118	Performance Evaluation of Triple Play Services Delivery with E2E QoS Provisioning. International Journal of Digital Multimedia Broadcasting, 2010, 2010, 1-14.	0.6	0
119	Hybrid Terrestrial-Satellite DVB/IP Infrastructure in Overlay Constellations for Triple-Play Services Access in Rural Areas. International Journal of Digital Multimedia Broadcasting, 2010, 2010, 1-11.	0.6	1
120	Exploiting Peer-to-Peer Technology for Network and Resource Management in Interactive Broadcasting Environments. , 2010, , .		7
121	Dynamic IP configuration of terminals in broadcasting networks. Computer Networks, 2008, 52, 292-302.	5.1	4
122	An MPLS-DiffServ experimental core network infrastructure for E2E QoS content delivery. , 2008, , .		3
123	Differentiated services provision in a converged DVB/IP networking environment. , 2008, , .		1
124	The Use of Novel Satellite Broadcast Technologies for the Provision of Integrated Services. , 2008, , 151-156.		0
125	Experimental Infrastructures for IP/DVB Convergence: an Actual Substantiation for Triple Play Services Provision at Remote Areas. , 2007, , .		9
126	A Fusion IP/DVB Networking Environment for Providing Always-On Connectivity and Triple-Play Services to Urban and Rural Areas. IEEE Network, 2007, 21, 21-27.	6.9	23

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127	ATHENA: a large-scale testbed for the next generation of interoperable networks and services. , 2006, , .		2
128	Shot boundary detection without threshold parameters. Journal of Electronic Imaging, 2006, 15, 020503.	0.9	15
129	Digital switchover in UHF: the ATHENA concept for broadband access. European Transactions on Telecommunications, 2006, 17, 175-182.	1.2	20
130	Exploiting Digital Switchover for Broadband Services Access in Rural Areas. Journal of Communications, 2006, 1, .	1.6	8
131	The new interconnecting television: an alternative approach to next generation broadband networking. , 2003, , .		3
132	Wireless provision of true VoD services and fast access to Internet. International Journal of Communication Systems, 2002, 15, 401-415.	2.5	0
133	A broadband wireless access system for wired and wireless LANs. Journal of Communications and Networks, 2000, 2, 259-265.	2.6	1
134	Tracking vital signs of a patient using channel state information and machine learning for a smart healthcare system. Neural Computing and Applications, 0, , 1.	5.6	17
135	A P2P Home-Box Overlay for Efficient Content Distribution. Advances in Wireless Technologies and Telecommunication Book Series, 0, , 199-220.	0.4	2
136	A Scheduling Scheme for Throughput Optimization in Mobile Peer-to-Peer Networks. Advances in Wireless Technologies and Telecommunication Book Series, 0, , 169-198.	0.4	0