

Dimitrios D Vergados

List of Publications by Year in descending order

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133
papers

3,565
citations

279701

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136
all docs

136
docs citations

136
times ranked

3278
citing authors

#	ARTICLE	IF	CITATIONS
1	Handover Management in 5G Vehicular Networks. Future Internet, 2022, 14, 87.	2.4	6
2	Energy Optimization in Massive MIMO UAV-Aided MEC-Enabled Vehicular Networks. IEEE Access, 2021, 9, 117388-117403.	2.6	9
3	Network Slicing on 5G Vehicular Cloud Computing Systems. Electronics (Switzerland), 2021, 10, 1474.	1.8	13
4	A Network Slicing Framework for UAV-Aided Vehicular Networks. Drones, 2021, 5, 70.	2.7	16
5	Classification of Medical Big-Data collected using IoT Devices. , 2021, , .		0
6	Multiobjective Optimization Algorithms for Wireless Sensor Networks. Wireless Communications and Mobile Computing, 2020, 2020, 1-5.	0.8	17
7	An Efficient Mobility Management Scheme for 5G Network Architectures. , 2020, , .		7
8	Mobility management on 5G Vehicular Cloud Computing systems. Vehicular Communications, 2019, 16, 15-44.	2.7	35
9	All-Optical FSO Relaying Under Mixture-Gamma Fading Channels and Pointing Errors. Wireless Personal Communications, 2019, 104, 771-781.	1.8	1
10	A VHO scheme for supporting healthcare services in 5G vehicular cloud computing systems. , 2018, , .		5
11	A New Two-Stage Multiuser MIMO Detection Approach with Different Priorities. , 2018, , .		0
12	All Cognitive MIMO: New Multiuser Detection Approach With Different Priorities. IEEE Transactions on Wireless Communications, 2018, 17, 5148-5161.	6.1	1
13	Spectrum allocation in cognitive radio networks using chaotic biogeography-based optimisation. IET Networks, 2018, 7, 328-335.	1.1	9
14	An integrated MIH-FPMIPv6 mobility management approach for evolved-packet system architectures. Journal of Network and Computer Applications, 2017, 91, 104-119.	5.8	12
15	An effective spectrum handoff scheme for Cognitive Radio Ad hoc Networks. , 2017, , .		11
16	Performance of maximum-ratio combining-enabled heterodyne detection for free-space optical systems under mixture-Gamma fading channels and pointing errors. Electronics Letters, 2017, 53, 1156-1158.	0.5	3
17	A Vertical Handover management scheme for VANET Cloud Computing systems. , 2017, , .		5
18	A network selection scheme for healthcare vehicular cloud computing systems. , 2017, , .		6

#	ARTICLE	IF	CITATIONS
19	Fraud threats disclosure through cloud information security framework. , 2017, , .		0
20	An analytic network process and trapezoidal interval-valued fuzzy technique for order preference by similarity to ideal solution network access selection method. International Journal of Communication Systems, 2016, 29, 307-329.	1.6	21
21	Towards mobile cloud security performance: A cross-border approach. , 2016, , .		1
22	Centralized management of medical big data in Intensive Care Unit: A security analysis. , 2016, , .		4
23	QoS-aware scheduling in LTE-A networks with SDN control. , 2016, , .		3
24	Security architecture based on defense in depth for Cloud Computing environment. , 2016, , .		9
25	Cooperative spectrum sharing MIMO systems with successive decoding. Physical Communication, 2016, 20, 109-122.	1.2	1
26	FDASH: A Fuzzy-Based MPEG/DASH Adaptation Algorithm. IEEE Systems Journal, 2016, 10, 859-868.	2.9	55
27	Cooperative Relaying in Underlay Cognitive Systems with TAS/MRC, Spatial Correlation and Hardware Impairments. , 2015, , .		6
28	A downlink scheduler supporting real time services in LTE cellular networks. , 2015, , .		8
29	Energy efficient automated control of irrigation in agriculture by using wireless sensor networks. Computers and Electronics in Agriculture, 2015, 113, 154-163.	3.7	161
30	A Survey of TDMA Scheduling Schemes in Wireless Multihop Networks. ACM Computing Surveys, 2015, 47, 1-39.	16.1	67
31	Performance Analysis of Successive Decoding Based on Shadowing Side Information Under Non-Identical Composite Fading/Shadowing Channels. IEEE Transactions on Wireless Communications, 2015, 14, 4835-4846.	6.1	3
32	Cooperative relaying in underlay cognitive systems with hardware impairments. AEU - International Journal of Electronics and Communications, 2015, 69, 1885-1889.	1.7	10
33	Dual-Hop Communication Over a Satellite Relay and Shadowed Rician Channels. IEEE Transactions on Vehicular Technology, 2015, 64, 4031-4040.	3.9	147
34	Total dermoscopy score calculation using quantitative measurements in digital dermoscopy. , 2014, 2014, 6744-7.		3
35	EDCA mechanism and mobility support evaluation in IEEE 802.11s WMNs. , 2014, , .		1
36	A fuzzy controller for rate adaptation in MPEG-DASH clients. , 2014, , .		7

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37	Generalized Diversity Reception in the Presence of Multiple Distinct Interferers: An Outage Performance Analysis. IEEE Transactions on Wireless Communications, 2014, 13, 2443-2453.	6.1	1
38	A control-based algorithm for rate adaption in MPEG-DASH. , 2014, , .		11
39	LTE-A interworking for seamless service provisioning. , 2014, , .		0
40	Enhanced fast handovers for PMIPv6 in vehicular environments. , 2014, , .		6
41	Image registration of follow-up examinations in digital dermoscopy. , 2013, , .		5
42	Performance Analysis of the Ordered V-BLAST Approach over Nakagami-m Fading Channels. IEEE Wireless Communications Letters, 2013, 2, 18-21.	3.2	13
43	A Survey on the Successive Interference Cancellation Performance for Single-Antenna and Multiple-Antenna OFDM Systems. IEEE Communications Surveys and Tutorials, 2013, 15, 312-335.	24.8	169
44	Energy-Efficient Routing Protocols in Wireless Sensor Networks: A Survey. IEEE Communications Surveys and Tutorials, 2013, 15, 551-591.	24.8	997
45	Efficient detection&switching based on successive interference cancellation for multiple&input multiple&output orthogonal frequency division multiplexing systems. IET Signal Processing, 2013, 7, 436-443.	0.9	15
46	Energy Efficient Routing in Wireless Sensor Networks Through Balanced Clustering. Algorithms, 2013, 6, 29-42.	1.2	150
47	Successive Interference Cancellation for Multi-user MIMO-OFDM Ad-Hoc Networks: A Performance-Complexity Tradeoff. Communications in Computer and Information Science, 2012, , 519-533.	0.4	0
48	Message from the Technical Program Committee Chairs. , 2012, , .		0
49	A Receiver-Centric OFCDM Approach with Subcarrier Grouping. IEEE Communications Letters, 2012, 16, 761-764.	2.5	3
50	Fair TDMA scheduling in wireless multihop networks. Telecommunication Systems, 2012, 50, 181-198.	1.6	16
51	Congestion Avoidance in Wireless Sensor Networks: A Survey. , 2012, , .		10
52	An Adaptive Video Transmission Algorithm to Improve Quality of Experience over LTE Access Networks. , 2012, , .		1
53	Capacity Optimization in TDMA Ad-Hoc Networks. Wireless Personal Communications, 2012, 62, 687-713.	1.8	2
54	Towards Utilizing Tcpcrypt in Mobile Healthcare Applications. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 374-379.	0.2	1

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55	Spatio temporal emergency role based access control (STEM-RBAC): A time and location aware role based access control model with a break the glass mechanism. , 2011, , .		8
56	An Automated System for Integrated Service Management in Emergency Situations. , 2011, , .		7
57	Joint per-flow scheduling and routing in wireless multihop networks. , 2011, , .		1
58	A performance evaluation of S-MAC protocol in combination with energy efficient protocols for Wireless Sensor Networks. , 2011, , .		3
59	Network selection in a WiMAXâ€“WiFi environment. Pervasive and Mobile Computing, 2011, 7, 584-594.	2.1	44
60	Harmonized mobility management in IMS networks based on the SSON concept. IEEE Wireless Communications, 2011, 18, 74-81.	6.6	12
61	An IMS-based network architecture for WiMAX-UMTS and WiMAX-WLAN interworking. Computer Communications, 2011, 34, 1077-1099.	3.1	25
62	A Survey of Pricing Schemes in Wireless Networks. IEEE Communications Surveys and Tutorials, 2011, 13, 126-145.	24.8	103
63	An Analysis of Bluetooth, Zigbee and Bluetooth Low Energy and Their Use in WBANs. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2011, , 168-175.	0.2	16
64	Service personalization for assistive living in a mobile ambient healthcare-networked environment. Personal and Ubiquitous Computing, 2010, 14, 575-590.	1.9	45
65	Estimating evolution of freshness in Internet cache directories under the captureâ€“recapture methodology. Computer Networks, 2010, 54, 741-765.	3.2	5
66	A secure ubiquitous healthcare system based on IMS and the HL7 standards. , 2010, , .		9
67	IMS Mobility Management in Integrated WiMAX-3G Architectures. , 2010, , .		8
68	An access network selection algorithm for heterogeneous wireless environments. , 2010, , .		55
69	Energy and throughput efficiency in wireless multihop networks. , 2010, , .		1
70	Security for Ad Hoc Networks. , 2010, , 421-432.		1
71	Access Network Selection in a Heterogeneous Environment Using the AHP and Fuzzy TOPSIS Methods. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 88-98.	0.2	11
72	Health Care Web Information Systems and Personalized Services for Assisting Living of Elderly People at Nursing Homes. Studies in Computational Intelligence, 2010, , 145-162.	0.7	1

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73	Evaluation of broadcast scheduling algorithms for ad-hoc TDMA networks. , 2009, , .		4
74	A mobile healthcare system using IMS and the HL7 framework. , 2009, , .		1
75	DPS: An Architecture for VBR Scheduling in IEEE 802.11e HCCA Networks with Multiple Access Points. Mobile Networks and Applications, 2009, 14, 744-759.	2.2	4
76	Trust management framework for intelligent agent negotiations in ubiquitous computing environments. Telecommunication Systems, 2009, 41, 141-157.	1.6	4
77	A Strategy for Harmonised QoS Manipulation in Heterogeneous IMS Networks. Wireless Personal Communications, 2009, 49, 197-212.	1.8	10
78	Secure and practical key establishment for distributed sensor networks. Security and Communication Networks, 2009, 2, 595-610.	1.0	9
79	Energy efficiency in wireless sensor networks using sleep mode TDMA scheduling. Ad Hoc Networks, 2009, 7, 322-343.	3.4	105
80	Power Conservation through Energy Efficient Routing in Wireless Sensor Networks. Sensors, 2009, 9, 7320-7342.	2.1	99
81	Energy-efficient routing protocols in wireless sensor networks for health communication systems. , 2009, , .		7
82	Handoff prioritization and decision schemes in wireless cellular networks: a survey. IEEE Communications Surveys and Tutorials, 2009, 11, 57-77.	24.8	106
83	A Novel Power-Efficient Middleware Scheme for Sensor Grid Applications. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 476-492.	0.2	9
84	Energy-Efficient Route Selection Strategies for Wireless Sensor Networks. Mobile Networks and Applications, 2008, 13, 285.	2.2	35
85	Provision of unified IN functionality in the context of IMS. Telecommunication Systems, 2008, 37, 191-201.	1.6	5
86	Group registration with distributed databases for location tracking in 3G wireless networks. Computer Networks, 2008, 52, 1521-1544.	3.2	3
87	Hierarchical energy efficient routing in Wireless Sensor Networks. , 2008, , .		12
88	Health Care Information Systems and Personalized Services for Assisting Living of Elderly People at Nursing Home. , 2008, , .		5
89	Service Personalisation for Assisted Living of Elderly People at Home. , 2008, , .		2
90	On Per-Flow Fairness and Scheduling in Wireless Multihop Networks. , 2008, , .		1

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91	Joint routing and per-flow fairness in wireless multihop networks. , 2008, , .		0
92	Intelligent services for assisting independent living of elderly people at home. , 2008, , .		30
93	Power control schemes in wireless sensor networks for homecare e-health applications. , 2008, , .		10
94	An assisted-living home architecture with integrated healthcare services for elderly people. Studies in Health Technology and Informatics, 2008, 137, 93-103.	0.2	4
95	Enhanced End-to-End TDMA for wireless ad-hoc networks. Proceedings - International Symposium on Computers and Communications, 2007, , .	0.0	4
96	Simulation and Modeling Bandwidth Control in Wireless Healthcare Information Systems. Simulation, 2007, 83, 347-364.	1.1	29
97	Location Management in 3G Networks using a 2-Level Distributed Database Architecture. , 2007, , .		2
98	A survey on power control issues in wireless sensor networks. IEEE Communications Surveys and Tutorials, 2007, 9, 86-107.	24.8	228
99	Multifold node authentication in mobile ad hoc networks. International Journal of Communication Systems, 2007, 20, 1391-1406.	1.6	7
100	MPEG-21 digital items to support integration of heterogeneous multimedia content. Computer Communications, 2007, 30, 592-607.	3.1	7
101	A P2P technology middleware architecture enabling user-centric services deployment on low-cost embedded networked devices. Computer Communications, 2007, 30, 527-537.	3.1	8
102	Authentication in a layered security approach for mobile ad hoc networks. Computers and Security, 2007, 26, 373-380.	4.0	12
103	Detecting unauthorized and compromised nodes in mobile ad hoc networks. Ad Hoc Networks, 2007, 5, 289-298.	3.4	48
104	An Authentication Scheme for Ad-hoc Networks using Threshold Secret Sharing. Wireless Personal Communications, 2007, 43, 1767-1780.	1.8	12
105	Enhanced Route Selection for Energy Efficiency in Wireless Sensor Networks. , 2007, , .		4
106	Enhancing Fairness in Wireless Multi-Hop Networks. , 2007, , .		5
107	A Knowledge-based Service Creation and Execution Framework for Adapting Composite Wireless IP Services. International Federation for Information Processing, 2007, , 271-278.	0.4	0
108	Efficient Fair TDMA Scheduling In Wireless Multi-Hop Networks. , 2007, , 279-286.		2

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109	QoS-aware TDMA for end-to-end traffic scheduling in ad hoc networks. IEEE Wireless Communications, 2006, 13, 68-74.	6.6	31
110	NGL03-6: Applying Wireless DiffServ for QoS Provisioning in Mobile Emergency Telemedicine. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	23
111	The Wisconsin breast cancer problem: Diagnosis and TTR/DFS time prognosis using probabilistic and generalised regression information classifiers. Oncology Reports, 2006, 15, 975-981.	1.2	14
112	Layered security design for mobile ad hoc networks. Computers and Security, 2006, 25, 121-130.	4.0	28
113	Estimating the evolution of categorized web page populations. , 2006, , .		3
114	BRWM: A relevance feedback mechanism for web page clustering. , 2006, , 44-52.		1
115	Increasing Intelligent Wireless Sensor Networks Survivability by Applying Energy-Efficient Schemes. , 2006, , 657-664.		5
116	A modelling and simulation framework for compound medical applications in regional healthcare networks. International Journal of Electronic Healthcare, 2005, 1, 427.	0.2	6
117	Wireless local area networking: QoS provisioning and resource management. IEEE Network, 2005, 19, 3-5.	4.9	0
118	A NEW APPROACH FOR TDMA SCHEDULING IN AD-HOC NETWORKS. , 2005, , .		9
119	PERFORMANCE ANALYSIS OF A PREEMPTIVE HANDOFF SCHEME FOR MULTI TRAFFIC WIRELESS MOBILE NETWORKS. , 2005, , .		1
120	Predicting the Breaking Elongation of Ring Spun Cotton Yarns Using Mathematical, Statistical, and Artificial Neural Network Models. Textile Reseach Journal, 2004, 74, 652-655.	1.1	101
121	Sliding Windows: A Software Method Suitable for Real-Time Inspection of Textile Surfaces. Textile Reseach Journal, 2004, 74, 646-651.	1.1	7
122	A generalised regression algorithm for Web page categorisation. Neural Computing and Applications, 2004, 13, 229-236.	3.2	10
123	Code reservation schemes at the forward link in WCDMA. Computer Communications, 2004, 27, 792-800.	3.1	4
124	High performance computing algorithms for textile quality control. Mathematics and Computers in Simulation, 2002, 60, 389-400.	2.4	17
125	A computer vision approach for textile quality control. Computer Animation and Virtual Worlds, 2001, 12, 31-44.	0.9	26
126	A Review of Call Admission Control Schemes in Wireless ATM Networks. Lecture Notes in Computer Science, 2001, , 459-467.	1.0	2

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127	The design of an object-oriented simulation tool for evaluating ATM network resource control schemes. , 0, , .		0
128	The IP revolution and potential gains for ISP/mobile/fixed telephony operators in the liberalization of telecommunications. , 0, , .		0
129	Applying mobile IP over wireless ATM communication networks. , 0, , .		1
130	Mobile IP in wireless ATM networks. , 0, , .		0
131	Assessing handoff control impact on QoS in wireless ATM networks. , 0, , .		1
132	Performance Analysis of a Hybrid Key Establishment Protocol for Wireless Sensor Networks. , 0, , .		1
133	Security Protocols in Wireless Tactical Sensor Networks. , 0, , .		0