Alex B Vieira

List of Publications by Year
in descending order

94	1,027	759233 12	552781 26
papers	citations	h-index	g-index

96	96	96	871
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Virtualizing Packet-Processing Network Functions Over Heterogeneous OpenFlow Switches. IEEE Transactions on Network and Service Management, 2022, 19, 485-496.	4.9	5
2	An SDN-based energy-aware traffic management mechanism. Annales Des Telecommunications/Annals of Telecommunications, 2022, 77, 139-150.	2.5	5
3	LORENA: Low memORy symmEtric-Key geNerAtion Method for Based on Group Cryptography Protocol Applied to the Internet of Healthcare Things. IEEE Access, 2022, 10, 12564-12579.	4.2	6
4	Improving the attribute retrieval on ABAC using opportunistic caches for Fog-Based IoT Networks. Computer Networks, 2022, 213, 109000.	5.1	2
5	SDNâ€based architecture for providing quality of service to highâ€performance distributed applications. International Journal of Network Management, 2021, 31, e2078.	2.2	4
6	You Shall Not Pass: Avoiding Spurious Paths in Shortest-Path Based Centralities in Multidimensional Complex Networks. IEEE Transactions on Network Science and Engineering, 2021, 8, 138-148.	6.4	0
7	An analysis of the fees and pending time correlation in Ethereum. International Journal of Network Management, 2021, 31, e2113.	2.2	16
8	Characterizing client usage patterns and service demand for car-sharing systems. Information Systems, 2021, 98, 101448.	3.6	16
9	A dynamic channel allocation protocol for medical environment. Annales Des Telecommunications/Annals of Telecommunications, 2021, 76, 483-497.	2.5	1
10	A dynamic network coding MAC protocol for power line communication. Telecommunication Systems, 2021, 77, 359-375.	2.5	2
11	A cooperative protocol for pervasive underwater acoustic networks. Wireless Networks, 2021, 27, 1941-1963.	3.0	4
12	Modeling large-scale live video streaming client behavior. Multimedia Systems, 2021, 27, 1101-1124.	4.7	1
13	A Study of Costs and Benefits of Content Sharing in Personal Cloud Storage. Journal of Network and Systems Management, 2021, 29, 1.	4.9	1
14	Analyzing Transaction Confirmation in Ethereum Using Machine Learning Techniques. Performance Evaluation Review, 2021, 48, 12-15.	0.6	9
15	OpenFlow data planes performance evaluation. Performance Evaluation, 2021, 147, 102194.	1.2	12
16	Forecasting the carsharing service demand using uni and multivariable models. Journal of Internet Services and Applications, 2021, 12, .	2.1	9
17	Connectivity-based time centrality in time-varying graphs. Journal of Complex Networks, 2021, 9, .	1.8	0
18	Single Electrode Energy on Clinical Brainâ€“Computer Interface Challenge. Biomedical Signal Processing and Control, 2021, 70, 102993.	5.7	1

#	Article	IF	Citations
19	Improving a Smart Environment with Wireless Network User Load Prediction. , 2021, , .		0
20	A Proposal of a Dynamic Routing Multicast Protocol for Visible Light Communication Networks. , 2021, , .		0
21	Inferring Gene Regulatory Network Models from Time-Series Data Using Metaheuristics. , 2020, , .		4
22	A Low-Cost Electronic System for Human-Body Communication. Electronics (Switzerland), 2020, 9, 1928.	3.1	3
23	Energy Consumption Evaluation of a Routing Protocol for Low-Power and Lossy Networks in Mesh Scenarios for Precision Agriculture. Sensors, 2020, 20, 3814.	3.8	12
24	CoVeC: Coarse-grained vertex clustering for efficient community detection in sparse complex networks. Information Sciences, 2020, 522, 180-192.	6.9	9
25	BloomTime: space-efficient stateful tracking of time-dependent network performance metrics. Telecommunication Systems, 2020, 74, 201-223.	2.5	1
26	A survey on data analysis on large-Scale wireless networks: online stream processing, trends, and challenges. Journal of Internet Services and Applications, 2020, 11, .	2.1	17
27	On the transaction dynamics of the Ethereum-based cryptocurrency. Journal of Complex Networks, 2020, 8, .	1.8	3
28	Solving Multi-Agent Pickup and Delivery Problems Using a Genetic Algorithm. Lecture Notes in Computer Science, 2020, , 140-153.	1.3	2
29	Medium Access Control Protocols for Power Line Communication: A Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 920-939.	39.4	27
30	An enhanced cooperative MAC protocol for hybrid PLC/wireless systems. Computer Networks, 2019, 163, 106878.	5.1	7
31	Differential evolution based spatial filter optimization for brain-computer interface. , 2019, , .		3
32	DYRP-VLC: A dynamic routing protocol for Wireless Ad-Hoc Visible Light Communication Networks. Ad Hoc Networks, 2019, 94, 101941.	5.5	11
33	Water ping: ICMP for the internet of underwater things. Computer Networks, 2019, 152, 54-63.	5.1	15
34	Cryptographic Algorithms in Wearable Communications: An Empirical Analysis. IEEE Communications Letters, 2019, 23, 1931-1934.	4.1	8
35	IEEE P21451-1-7: Providing More Efficient Network Services over MQTT-SN. , 2019, , .		8
36	Visible Light Communication: Concepts, Applications and Challenges. IEEE Communications Surveys and Tutorials, 2019, 21, 3204-3237.	39.4	317

#	Article	IF	Citations
37	Characterizing Usage Patterns and Service Demand of a Two-Way Car-Sharing System. Communications in Computer and Information Science, 2019, , 3-17.	0.5	1
38	EPLC-CMAC: An enhanced cooperative MAC protocol for broadband PLC systems. Computer Networks, 2019, 153, 11-22.	5.1	6
39	Learning Blockchain Delays. Performance Evaluation Review, 2019, 46, 122-125.	0.6	38
40	An Extensible Access Control Architecture for Software Defined Networks based on X.812. , 2019, , .		0
41	An Adaptation Aware Model to Predict Engagement on HTTP Adaptive Live Streaming. , 2019, , .		1
42	The internet of light: Impact of colors in LED-to-LED visible light communication systems. Internet Technology Letters, 2019, 2, e78.	1.9	8
43	IEEE P21451-1-7: Providing More Efficient Network Services over MQTT-SN. , 2019, , .		1
44	Autonomous Wireless Lake Monitoring. Computing in Science and Engineering, 2018, 20, 66-75.	1.2	14
45	Does OpenFlow Really Decouple The Data Plane from The Control Plane?. , 2018, , .		2
46	COPPER: Increasing Underwater Sensor Network Performance Through Nodes Cooperation. , 2018, , .		1
47	SDN-Based Architecture for Providing QoS to High Performance Distributed Applications. , 2018, , .		10
48	Performance evaluation of OpenFlow data planes. , 2017, , .		10
49	A Dynamic Channel Allocation Protocol for Medical Environment under Multiple Base Stations. , 2017, , .		1
50	Cost-Benefit Tradeoffs of Content Sharing in Personal Cloud Storage. , 2017, , .		2
51	Mapping critical illness early signs to priority alert transmission on wireless networks. , 2017, , .		2
52	Characterizing QoE in Large-Scale Live Streaming. , 2017, , .		11
53	CodePLC: A Network Coding MAC Protocol for Power Line Communication. , 2016, , .		3
54	Hardware Modules for Packet Interarrival Time Monitoring for Software Defined Measurements. , 2016, , .		2

#	Article	IF	Citations
55	Workload models and performance evaluation of cloud storage services. Computer Networks, 2016, 109, 183-199.	5.1	14
56	The Impact of Content Sharing on Cloud Storage Bandwidth Consumption. IEEE Internet Computing, 2016, 20, 26-35.	3.3	12
57	SDCCN: A Novel Software Defined Content-Centric Networking Approach. , 2016, , .		20
58	Characterizing peers communities and dynamics in a P2P live streaming system. Peer-to-Peer Networking and Applications, 2016, 9, 1-15.	3.9	11
59	Predicting the level of cooperation in a Peer-to-Peer live streaming application. Multimedia Systems, 2016, 22, 161-180.	4.7	12
60	Survey on the design of underwater sensor nodes. Design Automation for Embedded Systems, 2016, 20, 171-190.	1.0	8
61	Performance evaluation of in-home broadband PLC systems using a cooperative MAC protocol. Computer Networks, 2016, 95, 62-76.	5.1	14
62	Analyzing the Impact of Dropbox Content Sharing on an Academic Network. , 2015, , .		1
63	Impact of provider failures on the traffic at a university campus. , 2015, , .		1
64	TIME CENTRALITY IN DYNAMIC COMPLEX NETWORKS. International Journal of Modeling, Simulation, and Scientific Computing, 2015, 18, 1550023.	1.4	20
65	Characterizing and Modeling the Dropbox Workload. , 2014, , .		3
66	Impact of Provider Failures on the Traffic at a University Campus. , 2014, , .		0
67	ES-Aware. , 2014, , .		0
68	Bufferbloat systematic analysis. , 2014, , .		5
69	Analysis of realized peer-to-peer streaming topologies by Kronecker graphs. , 2014, , .		0
70	Influences of Facebook Torrent Dissemination in BitTorrent Swarms. , 2014, , .		0
71	Modeling the Dropbox client behavior. , 2014, , .		12
72	SimplyRep: A simple and effective reputation system to fight pollution in P2P live streaming. Computer Networks, 2013, 57, 1019-1036.	5.1	9

#	Article	IF	Citations
73	Can Peer-to-Peer live streaming systems coexist with free riders?. , 2013, , .		11
74	SopCast P2P live streaming. , 2013, , .		12
75	Pollution and whitewashing attacks in a P2P live streaming system: Analysis and counter-attack. , 2013, , .		5
76	Fast centrality-driven diffusion in dynamic networks. , 2013, , .		7
77	HydroNode. , 2012, , .		5
78	Characterizing Dynamic Properties of the SopCast Overlay Network. , 2012, , .		6
79	Verification of P2P live streaming systems using symmetry-based semiautomatic abstractions. , 2012, , .		1
80	HydroNode: A low cost, energy efficient, multi purpose node for underwater sensor networks. , 2012, , .		12
81	Characterizing SopCast client behavior. Computer Communications, 2012, 35, 1004-1016.	5.1	18
82	Using Centrality Metrics to Predict Peer Cooperation in Live Streaming Applications. Lecture Notes in Computer Science, 2012, , 84-96.	1.3	6
83	A cache based algorithm to predict HDL modules faults. , 2011, , .		0
84	Tracking hardware evolution. , 2011, , .		2
85	Fighting Attacks in P2P Live Streaming. Simpler is Better. , 2009, , .		8
86	A behaviour model of the SopCast users. , 2009, , .		0
87	Fighting pollution in P2P live streaming systems. , 2008, , .		15
88	Analyzing client interactivity in streaming media. , 2004, , .		108
89	Efficient power management in real-time embedded systems. , 0, , .		14
90	Performance analysis and optimization of a distributed Video on Demand service. , 0, , .		0

#	Article	IF	Citations
91	AnÃ¡lise de um ServiÃ§o Virtual de Armazenamento que Explora Classes de Objetos na Nuvem e PadrÃµes de Acesso. , 0, , .		0
92	UtilizaÃ§Ã£o de Blockchain na Rastreabilidade da Cadeia Produtiva do Leite. , 0, , .		0
93	SimulaÃ§Ã£o do Penny Attack no Ethereum e sua IdentificaÃ§Ã£o usando Classificadores. , 0, , .		0
94	Balanceamento DinÃ¢mico de Carga para FunÃ§Ãµes Virtuais sobre Comutadores OpenFlow HeterogÃªneos. , 0, , .		0