

Moisés R N Ribeiro

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6773738/publications.pdf>

Version: 2024-02-01

102
papers

1,466
citations

361413

20
h-index

361022

35
g-index

103
all docs

103
docs citations

103
times ranked

1407
citing authors

#	ARTICLE	IF	CITATIONS
1	The PoundCloud framework for ROS-based cloud robotics: Case studies on autonomous navigation and human-robot interaction. <i>Robotics and Autonomous Systems</i> , 2022, 150, 103981.	5.1	15
2	ML-Based DDoS Detection and Identification Using Native Cloud Telemetry Macroscopic Monitoring. <i>Journal of Network and Systems Management</i> , 2021, 29, 1.	4.9	5
3	Datacenter Thermal Monitoring Without Blind Spots: FBC-Based Quasi-Distributed Sensing. <i>IEEE Sensors Journal</i> , 2021, 21, 9869-9876.	4.7	8
4	Deploying PolKA Source Routing in P4 Switches : (Invited Paper). , 2021, , .		3
5	Surface Plasmon Resonance-based Optical Fiber Sensors for H ₂ S In Situ detection. <i>Plasmonics</i> , 2021, 16, 787-797.	3.4	15
6	Experimental validation of a three-dimensional modulation format for data transmission in RGB visible light communication systems. <i>IET Communications</i> , 2021, 15, 279-288.	2.2	0
7	Programmable Data Planes as the Next Frontier for Networked Robotics Security: A ROS Use Case. , 2021, , .		4
8	A helpful method for controlled synthesis of monodisperse gold nanoparticles through response surface modeling. <i>Arabian Journal of Chemistry</i> , 2020, 13, 216-226.	4.9	52
9	KeySFC: Traffic steering using strict source routing for dynamic and efficient network orchestration. <i>Computer Networks</i> , 2020, 167, 106975.	5.1	15
10	PlaFFE: A Place-as-you-go In-network Framework for Flexible Embedding of VNFs. , 2020, , .		7
11	Evolving optical interconnection topology: from survivable rings to resilient meshes. <i>Photonic Network Communications</i> , 2020, 40, 149-159.	2.7	1
12	An SDN-NFV Orchestration for Reliable and Low Latency Mobility in Off-the-Shelf WiFi. , 2020, , .		7
13	Optimizing Linearity and Sensitivity of 3D-Printed Diaphragms With Chirped FBCs in CYTOP Fibers. <i>IEEE Access</i> , 2020, 8, 31983-31991.	4.2	28
14	Intrinsically Resilient Optical Backbones: An Efficient Ring-Based Interconnection Paradigm. <i>Lecture Notes in Computer Science</i> , 2020, , 248-260.	1.3	0
15	Perrogator: A Portable Energy-Efficient Interrogator for Dynamic Monitoring of Wavelength-Based Sensors in Wearable Applications. <i>Sensors</i> , 2019, 19, 2962.	3.8	47
16	Optical Fiber Sensing for Sub-Millimeter Liquid-Level Monitoring: A Review. <i>IEEE Sensors Journal</i> , 2019, 19, 7179-7191.	4.7	67
17	Programmable intelligent spaces for Industry 4.0: Indoor visual localization driving attocell networks. <i>Transactions on Emerging Telecommunications Technologies</i> , 2019, 30, e3610.	3.9	5
18	KeySFC. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	IoTof: A Long-Reach Fully Passive Low-Rate Upstream PHY for IoT over Fiber. Electronics (Switzerland), 2019, 8, 359.	3.1	13
20	Optimizing C-RAN Backhaul Topologies: A Resilience-Oriented Approach Using Graph Invariants. Applied Sciences (Switzerland), 2019, 9, 136.	2.5	11
21	On Human-in-the-Loop CPS in Healthcare: A Cloud-Enabled Mobility Assistance Service. Robotica, 2019, 37, 1477-1493.	1.9	13
22	Selectivity and Autoscaling as Complementary Defenses for DDoS Protection to Cloud Services. , 2019, , .		3
23	Cloud Robotics Experimentation Testbeds: a Cloud-Based Navigation Case Study. , 2019, , .		7
24	Simultaneous measurement of pressure and temperature with a single FBG embedded in a polymer diaphragm. Optics and Laser Technology, 2019, 112, 77-84.	4.6	91
25	Combined Bending and Torsion Sensing by Induced Birefringence in Distributed Bragg Reflector Laser. Journal of Lightwave Technology, 2019, 37, 861-867.	4.6	11
26	5G Research and Testbeds in Brazil. , 2019, , .		4
27	Temperature cross-sensitivity compensation in liquid level sensor using Mach-Zehnder interferometers. , 2019, , .		1
28	Temperature Cross-Sensitivity Optimization for Mach-Zehnder Interferometers Liquid Level Sensors. , 2019, , .		0
29	FBG-Embedded Oblong Diaphragms with Extended Dynamic Range. , 2018, 2, 1-4.		7
30	Liquid Level Measurement Based on FBG-Embedded Diaphragms With Temperature Compensation. IEEE Sensors Journal, 2018, 18, 193-200.	4.7	106
31	When optical networks meet wireless systems: experiments at the boundary. , 2018, , .		0
32	RDNA: Residue-Defined Networking Architecture Enabling Ultra-Reliable Low-Latency Datacenters. IEEE Transactions on Network and Service Management, 2018, 15, 1473-1487.	4.9	28
33	Optical and wireless network convergence in 5G systems â€“ an experimental approach. , 2018, , .		2
34	Ultra Reliable Communication for Robot Mobility enabled by SDN Splitting of WiFi Functions. , 2018, , .		13
35	Towards a New Generation of Smart Devices for Mobility Assistance: CloudWalker, a Cloud-Enabled Cyber-Physical System. , 2018, , .		5
36	A cost-effective edge-filter based FBG interrogator using catastrophic fuse effect micro-cavity interferometers. Measurement: Journal of the International Measurement Confederation, 2018, 124, 486-493.	5.0	69

#	ARTICLE	IF	CITATIONS
37	Material features based compensation technique for the temperature effects in a polymer diaphragm-based FBG pressure sensor. Optics Express, 2018, 26, 20590.	3.4	75
38	FBG-Embedded 3-D Printed ABS Sensing Pads: The Impact of Infill Density on Sensitivity and Dynamic Range in Force Sensors. IEEE Sensors Journal, 2018, 18, 8381-8388.	4.7	74
39	O2CMF: Experiment-as-a-Service for Agile Fed4Fire Deployment of Programmable NFV. , 2018, , .		3
40	A cost-effective edge-filter-based FBG strain interrogator using catastrophic fuse effect microcavity interferometers. , 2018, , .		0
41	Multi-Parameter Interferometric Sensor Based on a Reduced Diameter Core Axial Offseted Fiber. IEEE Photonics Technology Letters, 2017, 29, 239-242.	2.5	20
42	Probing the Sulfur-Modified Capping Layer of Gold Nanoparticles Using Surface Enhanced Raman Spectroscopy (SERS) Effects. Applied Spectroscopy, 2017, 71, 2670-2680.	2.2	1
43	Programmable residues defined networks for edge data centres. , 2017, , .		4
44	VirtPhy: Fully Programmable NFV Orchestration Architecture for Edge Data Centers. IEEE Transactions on Network and Service Management, 2017, 14, 817-830.	4.9	24
45	An intelligent and integrated architecture for data centers with distributed photonic switching. , 2017, , .		0
46	Polymethyl methacrylate (PMMA) recycling for the production of optical fiber sensor systems. Optics Express, 2017, 25, 30051.	3.4	58
47	Low-Cost Interrogation Technique for Dynamic Measurements with FBG-Based Devices. Sensors, 2017, 17, 2414.	3.8	62
48	How can emerging applications benefit from EaaS in open programmable infrastructures?. , 2017, , .		3
49	Dynamic Backhauling within Converged Networks. , 2016, , .		2
50	Metherxis. , 2016, , .		1
51	KAR: Key-for-Any-Route, a Resilient Routing System. , 2016, , .		7
52	VirtPhy: A fully programmable infrastructure for efficient NFV in small data centers. , 2016, , .		7
53	Interrogation of optical fiber based on the fusion of OFDR and TRA techniques. Optical and Quantum Electronics, 2016, 48, 1.	3.3	2
54	Envelope-based technique for liquid level sensors using an in-line fiber Machâ€Zehnder interferometer. Applied Optics, 2016, 55, 9803.	2.1	31

#	ARTICLE	IF	CITATIONS
55	Latency Measurement as a Virtualized Network Function using Methexis. Computer Communication Review, 2016, 46, 14-16.	1.8	3
56	Corrosion Resistant FBG-Based Quasi-Distributed Sensor for Crude Oil Tank Dynamic Temperature Profile Monitoring. Sensors, 2015, 15, 30693-30703.	3.8	60
57	Message from General Co-Chairs. , 2015, , .		0
58	Performance comparison for Raman+EDFA and EDFA+Raman hybrid amplifiers using recycled multiple pump lasers for WDM systems. , 2015, , .		2
59	Ultrasensitive nanosensor based on gold nanoparticles to detect vascular endothelial growth factor (VEGF). , 2015, , .		0
60	Unobtrusive heart rate monitor based on a fiber specklegram sensor and a single-board computer. Proceedings of SPIE, 2015, , .	0.8	2
61	Surface-Enhanced Raman Plasmon in Self-Assembled Sulfide-Coated Gold Nanoparticle Arrays. Plasmonics, 2015, 10, 1097-1103.	3.4	6
62	Power-Aware Rationale for Using Coarse-Grained Transponders in IP-Over-WDM Networks. Journal of Optical Communications and Networking, 2015, 7, 825.	4.8	2
63	Design of a stateless low-latency router architecture for green software-defined networking. , 2015, , .		1
64	Tackling OpenFlow power hog in core networks with KeyFlow. Electronics Letters, 2014, 50, 1847-1849.	1.0	2
65	FlexForward: Enabling an SDN manageable forwarding engine in Open vSwitch. , 2014, , .		8
66	Performance analysis of multi-pump Raman+EDFA hybrid amplifiers for WDM systems. , 2014, , .		0
67	Twin Datacenter Interconnection Topology. IEEE Micro, 2014, 34, 8-17.	1.8	39
68	Keyflow: a prototype for evolving SDN toward core network fabrics. IEEE Network, 2014, 28, 12-19.	6.9	48
69	Power-Aware Multi-Layer Translucent Network Design: an Integrated OPEX/CAPEX Analysis. , 2014, , .		3
70	Synthesis of gold nanoparticles for application as biosensors in engineering. Proceedings of SPIE, 2014, , .	0.8	0
71	Polynomial-Time Complexity Large-Signal Model for DML-Based OOFDM Transmission Systems. IEEE Photonics Technology Letters, 2013, 25, 2393-2396.	2.5	1
72	Comments on "Large-Signal Theory of the Effect of Dispersive Propagation on the Intensity Modulation Response of Semiconductor Lasers" Journal of Lightwave Technology, 2013, 31, 1337-1339.	4.6	2

#	ARTICLE	IF	CITATIONS
73	Gain flattening analysis for Raman+EDFA hybrid amplifiers using recycled pump power for WDM systems. Proceedings of SPIE, 2013, , .	0.8	0
74	Optimization in Raman+EDFA hybrid amplifiers for WDM systems. , 2012, , .		1
75	Hybrid reconfiguration for upgrading datacenter interconnection topology. , 2012, , .		1
76	Quasi-passive and reconfigurable optical node: Implementations with discrete latching switches. , 2012, , .		3
77	Hybrid Optical“Wireless Access Networks. Proceedings of the IEEE, 2012, 100, 1197-1225.	21.3	67
78	An optical performance monitoring method for Carrier Ethernet networks using OAM continuity check messages. Photonic Network Communications, 2012, 23, 74-82.	2.7	1
79	Optically Cross-Braced Hypercube: a Reconfigurable Physical Layer for Interconnects and Server-Centric Datacenters. , 2012, , .		11
80	Experimental evidences for visual evoked potentials with stimuli beyond the conscious perception threshold. , 2011, , .		6
81	A low cost prototype for an optical and haptic pen. , 2011, , .		2
82	Energy efficient optical-wireless residential access/in-house networks. , 2011, , .		5
83	Gain profile optimization for Raman+EDFA hybrid amplifiers with recycled pumps for WDM systems. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2010, 9, 100-112.	0.7	16
84	Analysis of a multi-pump optimization in Raman+EDFA hybrid amplifiers with pump recycling for WDM systems. , 2010, , .		2
85	An Analytical Approximated Solution for the Gain of Broadband Raman Amplifiers With Multiple Counter-Pumps. Journal of Lightwave Technology, 2009, 27, 944-951.	4.6	28
86	Multi-pump optimization for Raman+EDFA hybrid amplifiers under pump residual recycling. , 2009, , .		10
87	Optimal multilayer grooming-oriented design for inter-ring traffic protection in DNI multiring WDM networks. Journal of Optical Networking, 2008, 7, 533.	2.5	5
88	ILP approaches to study interconnection strategies for multi-ring networks in the presence of traffic grooming. , 2007, , .		0
89	Complementary Optimal Approaches for Survivable WDM Mesh Network Design: Transceiver Deployment and Traffic Engineering. , 2006, , .		0
90	Preserving global optical QoS in FWM impaired dynamic networks. Electronics Letters, 2004, 40, 191.	1.0	27

#	ARTICLE	IF	CITATIONS
91	Traffic management in photonic packet switching nodes by priority assignment and selective discarding. Computer Communications, 2001, 24, 1689-1701.	5.1	4
92	Error-rate patterns for the modeling of optically amplified transmission systems. IEEE Journal on Selected Areas in Communications, 1997, 15, 707-716.	14.0	11
93	Algorithms for FWM-aware routing and wavelength assignment. , 0, , .		15
94	Amplifier spacing assessment for enhanced power soliton transmission over 10 Mm in standard and DS fibers. , 0, , .		0
95	Limits on bit rate capacity improvement induced by SPM in installed standard fiber links at 1550 nm. , 0, , .		1
96	Improvements on performance of photonic packet switching nodes by priority assignment and buffer sharing. , 0, , .		8
97	An efficient and fully-scalable architecture applied to bufferless photonic nodes with DiffServ. , 0, , .		0
98	Ethernet over photonic packets: convergence model and performance assessment. , 0, , .		0
99	Meeting optical QoS requirements with reduced complexity in dynamic wavelength assignment. , 0, , .		13
100	Simple ILP approaches to grooming, routing, and wavelength assignment in WDM mesh networks. , 0, , .		6
101	Differentiated optical qos under a low complexity FWM-aware wavelength assignment algorithm. , 0, , .		6
102	Line codes for photonically amplified digital links. , 0, , .		0