Rausley Adriano Amaral de Souza

List of Publications by Year
in descending order

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93	516	623734	839539
papers	citations	14 h-index	18 g-index

93	93	93	405
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Practical, Highly Efficient Algorithm for Generating Î²-Î¼ and Î·-Î¼ Variates and a Near-100% Efficient Algorithm for Generating Î±-Î¼ Variates. IEEE Communications Letters, 2012, 16, 1768-1771.	4.1	35
2	Physical Layer Security Over <inline-formula> <tex-math notation="LaTeX">$alpha$</tex-math> </inline-formula>-<inline-formula> <tex-math notation="LaTeX">$kappa$</tex-math> </inline-formula>-<inline-formula> <tex-math notation="LaTeX">mu</tex-math> </inline-formula> and <inline-formula> &lt. IEEE Transactions on Vehicular Technology, 2019, 68, 1025-1029.	6.3	32
3	Bivariate nakagami-m distribution with arbitrary correlation and fading parameters. IEEE Transactions on Wireless Communications, 2008, 7, 5227-5232.	9.2	27
4	Performance Analysis of Digital Communication Systems Over $alpha$ -$kappa$ -mu Fading Channels. IEEE Communications Letters, 2019, 23, 192-195.	4.1	26
5	Higher Order Statistics for the $alpha - eta - kappa - mu$ Fading Model. IEEE Transactions on Antennas and Propagation, 2018, 66, 3002-3016.	5.1	20
6	Higher Order Statistics in a mmWave Propagation Environment. IEEE Access, 2019, 7, 103876-103892.	4.2	18
7	Performance of Cooperative Eigenvalue Spectrum Sensing with a Realistic Receiver Model under Impulsive Noise. Journal of Sensor and Actuator Networks, 2013, 2, 46-69.	3.9	16
8	On the Performance of $alpha$ â€“ eta â€“ $kappa$ â€“ mu Fading Channels. IEEE Communications Letters, 2019, 23, 967-970.	4.1	16
9	On the multivariate α-µ distribution with arbitrary correlation. , 2006, , .		15
10	On the multivariate Nakagami-m distribution with arbitrary correlation and fading parameters. , 2007, , .		15
11	Cooperative Spectrum Sensing Using Eigenvalue Fusion for OFDMA and Other Wideband Signals. Journal of Sensor and Actuator Networks, 2013, 2, 1-24.	3.9	15
12	Ratio of Products of Variates. IEEE Communications Letters, 2016, 20, 1022-1025.	4.1	15
13	Fading Evaluation in the mm-Wave Band. IEEE Transactions on Communications, 2019, 67, 8725-8738.	7.8	15
14	On the Efficient Generation ofÎ±-Î²-Î¼andÎ±-Î·-Î¼White Samples with Applications. International Journal of Antennas and Propagation, 2015, 2015, 1-13.	1.2	14
15	A Bivariate $kappa$- mu Distribution. IEEE Transactions on Vehicular Technology, 2016, 65, 5737-5743.	6.3	14
16	Circular Folding Cooperative Power Spectral Density Split Cancellation Algorithm for Spectrum Sensing. IEEE Communications Letters, 2017, 21, 250-253.	4.1	14
17	On the Mulitvariate alpha-mu Distribution with Arbitrary Correlation and Fading Parameters. , 2008, , .		11
18	Implementation-Oriented Model for Centralized Data-Fusion Cooperative Spectrum Sensing. IEEE Communications Letters, 2012, 16, 1804-1807.	4.1	11

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19	Error Probability of $ M$-Phase Signaling With Phase Noise Over Fading Channels. IEEE Transactions on Vehicular Technology, 2020, 69, 6766-6770.	6.3	11
20	The multivariate Î±-Î¼ distribution. IEEE Transactions on Wireless Communications, 2010, 9, 45-50.	9.2	10
21	Bivariate Hoyt (Nakagami-q) Distribution. IEEE Transactions on Communications, 2012, 60, 714-723.	7.8	10
22	Simple and Efficient Algorithm for Improving the MDL Estimator of the Number of Sources. Sensors, 2014, 14, 19477-19492.	3.8	9
23	Orthogonal Scalar Feedback Digital Pre-Distortion Linearization. IEEE Transactions on Broadcasting, 2018, 64, 319-330.	3.2	9
24	Bivariate Nakagami-q (Hoyt) Distribution. , 2009, , .		8
25	On the Probability of False Alarm of the Power Spectral Density Split Cancellation Method. IEEE Wireless Communications Letters, 2016, 5, 164-167.	5.0	8
26	On the Multivariate $alpha$â€“ mu Distribution: New Exact Analytical Formulations. IEEE Transactions on Vehicular Technology, 2011, 60, 4063-4070.	6.3	7
27	Maximal-Ratio and Equal-Gain Combining in Hoyt (Nakagami-q) Fading. , 2009, , .		6
28	Efficient Acceptance-Rejection Method for Nakagami-m Complex Samples. IEEE Wireless Communications Letters, 2014, 3, 94-96.	5.0	6
29	On the Generation of White Samples in Severe Fading Conditions. IEEE Communications Letters, 2019, 23, 180-183.	4.1	6
30	Cooperative Spectrum Sensing with Coded and Uncoded Decision Fusion under Correlated Shadowed Fading Report Channels. Sensors, 2019, 19, 51.	3.8	6
31	Fading Evaluation in Standardized 5G Millimeter-Wave Band. IEEE Access, 2021, 9, 67268-67280.	4.2	6
32	Simulation Platform for Performance Analysis of Cooperative Eigenvalue Spectrum Sensing with a Realistic Receiver Model Under Impulsive Noise. , 2013, , .		5
33	A Near-100% Efficient Algorithm for Generating alpha-kappa-#181; and alpha-eta-#181; Variates. , 2013, , .		4
34	Continuous spectrum sensing and transmission in MIMO cognitive radio network. , 2014, , .		4
35	Snapping shrimp noise reduction using convex optimization for underwater acoustic communication in warm shallow water. , 2014, , .		4
36	Comparison between eigenvalue fusion and decision fusion for spectrum sensing of OFDMA signals under errors in the control channel. , 2014, , .		4

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37	Multiantenna Spectrum Sensing in the Presence of Multiple Primary Users over Fading and Nonfading Channels. International Journal of Antennas and Propagation, 2015, 2015, 1-14.	1.2	4
38	Increasing the Lifetime of Mobile WSNs via Dynamic Optimization of Sensor Node Communication Activity. Sensors, 2016, 16, 1536.	3.8	4
39	Recent Advances in RF Propagation Modeling for 5G Systems. International Journal of Antennas and Propagation, 2017, 2017, 1-5.	1.2	4
40	The Complex Î±-Î¼ Fading Channel with OFDM Application. International Journal of Antennas and Propagation, 2017, 2017, 1-7.	1.2	4
41	Performance of Blind Cooperative Spectrum Sensing under Nonuniform Signal and Noise Powers. Journal of Communication and Information Systems, 2018, 33, 158-171.	0.3	4
42	Performanceâ€trafficâ€tradeâ€off of two novel hard decision and two soft decision fusion periodogramâ€based algorithms for cooperative spectrum sensing under unreliable reporting channel. IET Microwaves, Antennas and Propagation, 2020, 14, 1683-1695.	1.4	4
43	The Multivariate alpha-mu Distribution. , 2008, , .		3
44	Eigenvalue-based techniques for continuous sensing model in MIMO CR networks. , 2013, , .		3
45	A New Spatially Correlated Shadowed Channel Model with Cognitive Radio Application. , 2015, , .		3
46	On the throughput of cognitive radio networks using eigenvalue-based cooperative spectrum sensing under complex Nakagami-m fading. , 2016, , .		3
47	Performance of MPSK modulation with imperfect phaseâ€recovery under severe fading conditions. Electronics Letters, 2022, 58, 333-335.	1.0	3
48	Maximum likelihood estimator for the Î±-Îº-Î¼ fading environment. , 2016, , .		2
49	Maximum likelihood estimator for the Î±-Î·-Î¼ fading environment. , 2016, , .		2
50	Continuous Spectrum Sensing and Transmission in MIMO Cognitive Radio Network. IEEE Latin America Transactions, 2016, 14, 2605-2610.	1.6	2
51	Performance-traffic tradeoff in eigenvalue fusion and decision fusion for spectrum sensing of OFDMA signals under errors in the reporting channel. Telecommunication Systems, 2016, 63, 505-521.	2.5	2
52	On the generation of Î±-Î·-Îº-Î¼ samples with applications. , 2017, , .		2
53	Error Probability of alpha-Âμ Fading Channels with Imperfect Carrier Phase Recovery. , 2019, , .		2
54	The mu Process Type I. IEEE Communications Letters, 2020, 24, 510-514.	4.1	2

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55	New results for the α-µ multivariate fading model. , 2010, , .		1
56	Performance of centralized data-fusion cooperative eigenvalue-based spectrum sensing under correlated shadowed fading. , 2015, , .		1
57	On the Maximum Likelihood Estimation for the n-u Fading Channel. , 2015, , .		1
58	A bivariate Î±-k-Î¼ distribution. , 2016, , .		1
59	Asymptotic Eigenvalue Density for the Quotient Ensemble of Wishart Matrices. IEEE Communications Letters, 2018, 22, 2575-2578.	4.1	1
60	Weighted Circular Folding Cooperative Power Spectral Density Split Cancellation Algorithm. IEEE Transactions on Vehicular Technology, 2021, 70, 1062-1066.	6.3	1
61	Performance and Reporting Channel Traffic of Eigenvalue Fusion and Block-coded Decision Fusion for Spectrum Sensing of OFDMA Signals. Journal of Communication and Information Systems, 2016, , .	0.3	1
62	Performance Analysis of the Circular Folding Cooperative Power Spectral Density Split Cancellation Algorithm for Spectrum Sensing Under Errors at the Quantized Report Channel. , 2018, , .		1
63	Analysis of Energy Detection with Noise Uncertainty over alpha-eta-kappa-mu Fading Channel. Journal of Communication and Information Systems, 2019, 34, 178-186.	0.3	1
64	Performance Analysis of MPSK Systems in the Presence of Noisy Phase over Fading Channels. , 2020, , .		1
65	Multiantenna-Cognitive-Radio-Based Blind Spectrum Sensing Under Correlated Signals. , 2021, , .		1
66	Performance of collaborative techniques for simultaneous sensing and transmission in cognitive radio networks. , 2014, , .		0
67	An efficient and simple algorithm for estimating the number of sources via â„“0.55-norm. , 2014, , .		0
68	An Empirical Method for Estimating the Number of Signal Sources. IEEE Latin America Transactions, 2015, 13, 2057-2064.	1.6	0
69	On the simulation of outage probability for equal-gain and maximal-ratio receivers over κ-μ fading channels. , 2015, , .		0
70	Performance of CPSC Spectrum Sensing over Fast Frequency-Selective Fading Channels. , 2017, , .		0
71	A New Look at the eta-mu Fading Model. IEEE Transactions on Vehicular Technology, 2021, 70, 1008-1012.	6.3	0
72	Sensoriamento Espectral Cooperativo Baseado em Autovalores para Sinais de Banda Larga. , 2012, , .		0

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73	Projeto de Detectores via OtimizaÃ§Ã£o Convexa para Sensoriamento Espectral em RÃ¡dios Cognitivos. , 2012, , .		0
74	AnÃ¡lise de desempenho das TÃ©cnicas de Sensoriamento Espectral Cooperativo. , 2012, , .		0
75	EstimaÃ§Ã£o EmpÃrica da DistribuiÃ§Ã£o da EstatÃstica de Teste para o Sensoriamento Espectral por MÃ¡ximo Autovalor sob a HipÃ³tese H 1. , 2012, , .		0
76	AnÃ¡lise de desempenho do Algoritmo de Water-filling Modificado para AlocaÃ§Ã£o de Recursos em Sistemas OFDMA. , 2012, , .		0
77	Plataforma para SimulaÃ§Ã£o de Sensoriamento Espectral Cooperativo em RÃ¡dios Cognitivos. , 2012, , .		0
78	Desempenho e TrÃ¡fego sob o Efeito da CodificaÃ§Ã£o de Bloco nas FusÃµes de DecisÃµes e de Autovalores para Sensoriamento Espectral de Sinais OFDMA. , 2015, , .		0
79	Sensoriamento Espectral Cooperativo sob Diferentes Intensidades de RuÃdo nos Receptores. , 2016, , .		0
80	Desempenho de TÃ©cnicas de FusÃ£o para Sensoriamento Espectral Cooperativo Sob Sombreamento Correlacionado. , 2016, , .		0
81	AnÃ¡lise de Desempenho do Sistema OFDM-PSK sob Desvanecimento Nakagami-m Complexo. , 2016, , .		0
82	InfluÃªncia da QuantizaÃ§Ã£o no Sensoriamento Espectral via Teorema dos CÃrculos de Gerschgorin. , 2018, , .		0
83	AnÃ¡lise de Desempenho do Sensoriamento Espectral por Detector de Energia no Canal Î±-Î·-Î¼-Î¼. , 2018, , .		0
84	Sensoriamento Espectral Cooperativo via Teorema dos CÃrculos de Gerschgorin sob RuÃdo Impulsivo. , 2018, , .		0
85	Performance of the Gerschgorin Radii and Centers Ratio Detector for Cooperative Spectrum Sensing under Burst Control Channel Errors. Journal of Communication and Information Systems, 2019, 34, 141-153.	0.3	0
86	Modelo Complexo alpha-mu BivariÃ¡vel com CorrelaÃ§Ãµes Cruzadas. , 2019, , .		0
87	Desvanecimento Sombreado Duplamente Correlacionado. , 2019, , .		0
88	A Bivariate Î·-Î¼ Complex Fading Model. , 2019, , .		0
89	Canal de Desvanecimento Sombreado Duplamente Correlacionado: Novos Resultados. , 2020, , .		0
90	Modelo Complexo eta-mu BivariÃ¡vel com Desbalanceamento de Clusters. , 2020, , .		0

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91	Performance of Blind Cooperative Spectrum Sensing Under Impulsive Noise. , 2020, , .		0
92	Bivariate Complex $alpha$-mu Statistics. IEEE Transactions on Vehicular Technology, 2022, 71, 3276-3280.	6.3	0
93	Multiantenna-Cognitive-Radio-Based Blind Spectrum Sensing under Correlated Signals and Unequal Signal and Noise Powers. Electronics (Switzerland), 2022, 11, 1719.	3.1	0