

Rausley Adriano Amaral de Souza

List of Publications by Year in descending order

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Version: 2024-02-01

93
papers

516
citations

623734

14
h-index

839539

18
g-index

93
all docs

93
docs citations

93
times ranked

405
citing authors

#	ARTICLE	IF	CITATIONS
1	Bivariate Complex α - μ Statistics. IEEE Transactions on Vehicular Technology, 2022, 71, 3276-3280.	6.3	0
2	Performance of MPSK modulation with imperfect phase recovery under severe fading conditions. Electronics Letters, 2022, 58, 333-335.	1.0	3
3	Multiantenna-Cognitive-Radio-Based Blind Spectrum Sensing under Correlated Signals and Unequal Signal and Noise Powers. Electronics (Switzerland), 2022, 11, 1719.	3.1	0
4	Fading Evaluation in Standardized 5G Millimeter-Wave Band. IEEE Access, 2021, 9, 67268-67280.	4.2	6
5	A New Look at the η - μ Fading Model. IEEE Transactions on Vehicular Technology, 2021, 70, 1008-1012.	6.3	0
6	Weighted Circular Folding Cooperative Power Spectral Density Split Cancellation Algorithm. IEEE Transactions on Vehicular Technology, 2021, 70, 1062-1066.	6.3	1
7	Multiantenna-Cognitive-Radio-Based Blind Spectrum Sensing Under Correlated Signals. , 2021, , .		1
8	The μ Process Type I. IEEE Communications Letters, 2020, 24, 510-514.	4.1	2
9	Error Probability of M -Phase Signaling With Phase Noise Over Fading Channels. IEEE Transactions on Vehicular Technology, 2020, 69, 6766-6770.	6.3	11
10	Performance tradeoff of two novel hard decision and two soft decision fusion periodogram-based algorithms for cooperative spectrum sensing under unreliable reporting channel. IET Microwaves, Antennas and Propagation, 2020, 14, 1683-1695.	1.4	4
11	Canal de Desvanecimento Sombreado Duplamente Correlacionado: Novos Resultados. , 2020, , .		0
12	Performance Analysis of MPSK Systems in the Presence of Noisy Phase over Fading Channels. , 2020, , .		1
13	Modelo Complexo η - μ Bivariável com Desbalanceamento de Clusters. , 2020, , .		0
14	Performance of Blind Cooperative Spectrum Sensing Under Impulsive Noise. , 2020, , .		0
15	Fading Evaluation in the mm-Wave Band. IEEE Transactions on Communications, 2019, 67, 8725-8738.	7.8	15
16	Higher Order Statistics in a mmWave Propagation Environment. IEEE Access, 2019, 7, 103876-103892.	4.2	18
17	On the Generation of White Samples in Severe Fading Conditions. IEEE Communications Letters, 2019, 23, 180-183.	4.1	6
18	On the Performance of α - η - κ - μ Fading Channels. IEEE Communications Letters, 2019, 23, 967-970.	4.1	16

#	ARTICLE	IF	CITATIONS
19	Error Probability of α - μ Fading Channels with Imperfect Carrier Phase Recovery. , 2019, , .		2
20	Cooperative Spectrum Sensing with Coded and Uncoded Decision Fusion under Correlated Shadowed Fading Report Channels. Sensors, 2019, 19, 51.	3.8	6
21	Performance Analysis of Digital Communication Systems Over α - κ - μ Fading Channels. IEEE Communications Letters, 2019, 23, 192-195.	4.1	26
22	Physical Layer Security Over α - κ - μ Fading Channels. IEEE Transactions on Vehicular Technology, 2019, 68, 1025-1029.	6.3	32
23	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
24	Analysis of Energy Detection with Noise Uncertainty over α - η - κ - μ Fading Channel. Journal of Communication and Information Systems, 2019, 34, 178-186.	0.3	1
25	Modelo Complexo α - μ Bivariável com Correlações Cruzadas. , 2019, , .		0
26	Desvanecimento Sombreado Duplamente Correlacionado. , 2019, , .		0
27	A Bivariate $\hat{\Gamma}^{1/4}$ Complex Fading Model. , 2019, , .		0
28	Higher Order Statistics for the α - η - κ - μ Fading Model. IEEE Transactions on Antennas and Propagation, 2018, 66, 3002-3016.	5.1	20
29	Orthogonal Scalar Feedback Digital Pre-Distortion Linearization. IEEE Transactions on Broadcasting, 2018, 64, 319-330.	3.2	9
30	Asymptotic Eigenvalue Density for the Quotient Ensemble of Wishart Matrices. IEEE Communications Letters, 2018, 22, 2575-2578.	4.1	1
31	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
32	Influência da Quantização no Sensoriamento Espectral via Teorema dos Círculos de Gerschgorin. , 2018, , .		0
33	Análise de Desempenho do Sensoriamento Espectral por Detector de Energia no Canal $\hat{\Gamma}^{\pm\hat{\Gamma}^{1/4}}$. , 2018, , .		0
34	Sensoriamento Espectral Cooperativo via Teorema dos Círculos de Gerschgorin sob Ruído Impulsivo. , 2018, , .		0
35	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
36	Circular Folding Cooperative Power Spectral Density Split Cancellation Algorithm for Spectrum Sensing. IEEE Communications Letters, 2017, 21, 250-253.	4.1	14

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37	Performance of CPSC Spectrum Sensing over Fast Frequency-Selective Fading Channels. , 2017, , .		0
38	On the generation of $\hat{\Gamma}_{\pm-k}^{-\hat{\Gamma}} \hat{\Gamma}^{1/4}$ samples with applications. , 2017, , .		2
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 $\hat{\Gamma}_{\pm-k}^{-\hat{\Gamma}} \hat{\Gamma}^{1/4}$ Fading Channel with OFDM Application. International Journal of Antennas and Propagation, 2017, 2017, 1-7.	1.2	4
41	Increasing the Lifetime of Mobile WSNs via Dynamic Optimization of Sensor Node Communication Activity. Sensors, 2016, 16, 1536.	3.8	4
42	Maximum likelihood estimator for the $\hat{\Gamma}_{\pm-k}^{-\hat{\Gamma}} \hat{\Gamma}^{1/4}$ fading environment. , 2016, , .		2
43	Maximum likelihood estimator for the $\hat{\Gamma}_{\pm-k}^{-\hat{\Gamma}} \hat{\Gamma}^{1/4}$ fading environment. , 2016, , .		2
44	A bivariate $\hat{\Gamma}_{\pm-k}^{-\hat{\Gamma}} \hat{\Gamma}^{1/4}$ distribution. , 2016, , .		1
45	Continuous Spectrum Sensing and Transmission in MIMO Cognitive Radio Network. IEEE Latin America Transactions, 2016, 14, 2605-2610.	1.6	2
46	On the throughput of cognitive radio networks using eigenvalue-based cooperative spectrum sensing under complex Nakagami-m fading. , 2016, , .		3
47	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
48	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
49	Ratio of Products of Variates. IEEE Communications Letters, 2016, 20, 1022-1025.	4.1	15
50	A Bivariate κ - μ Distribution. IEEE Transactions on Vehicular Technology, 2016, 65, 5737-5743.	6.3	14
51	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
52	Sensoriamento Espectral Cooperativo sob Diferentes Intensidades de Ruído nos Receptores. , 2016, , .		0
53	Desempenho de Técnicas de Fusão para Sensoriamento Espectral Cooperativo Sob Sombreamento Correlacionado. , 2016, , .		0
54	Análise de Desempenho do Sistema OFDM-PSK sob Desvanecimento Nakagami-m Complexo. , 2016, , .		0

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55	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
56	On the Efficient Generation of $\pm\sqrt{1/4}$ and $\pm\sqrt{-1/4}$ White Samples with Applications. International Journal of Antennas and Propagation, 2015, 2015, 1-13.	1.2	14
57	A New Spatially Correlated Shadowed Channel Model with Cognitive Radio Application. , 2015, , .		3
58	An Empirical Method for Estimating the Number of Signal Sources. IEEE Latin America Transactions, 2015, 13, 2057-2064.	1.6	0
59	On the simulation of outage probability for equal-gain and maximal-ratio receivers over Rayleigh fading channels. , 2015, , .		0
60	Performance of centralized data-fusion cooperative eigenvalue-based spectrum sensing under correlated shadowed fading. , 2015, , .		1
61	On the Maximum Likelihood Estimation for the n-u Fading Channel. , 2015, , .		1
62	Desempenho e Tráfego sob o Efeito da Codificação de Bloco nas Fusões de Decisões e de Autovalores para Sensoriamento Espectral de Sinais OFDMA. , 2015, , .		0
63	Performance of collaborative techniques for simultaneous sensing and transmission in cognitive radio networks. , 2014, , .		0
64	Continuous spectrum sensing and transmission in MIMO cognitive radio network. , 2014, , .		4
65	Simple and Efficient Algorithm for Improving the MDL Estimator of the Number of Sources. Sensors, 2014, 14, 19477-19492.	3.8	9
66	Snapping shrimp noise reduction using convex optimization for underwater acoustic communication in warm shallow water. , 2014, , .		4
67	Efficient Acceptance-Rejection Method for Nakagami-m Complex Samples. IEEE Wireless Communications Letters, 2014, 3, 94-96.	5.0	6
68	An efficient and simple algorithm for estimating the number of sources via $\hat{\alpha}$, "0.55-norm. , 2014, , .		0
69	Comparison between eigenvalue fusion and decision fusion for spectrum sensing of OFDMA signals under errors in the control channel. , 2014, , .		4
70	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
71	Eigenvalue-based techniques for continuous sensing model in MIMO CR networks. , 2013, , .		3
72	A Near-100% Efficient Algorithm for Generating α -kappa- μ ; and α -eta- μ ; Variates. , 2013, , .		4

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73	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
74	Simulation Platform for Performance Analysis of Cooperative Eigenvalue Spectrum Sensing with a Realistic Receiver Model Under Impulsive Noise. , 2013, , .		5
75	Practical, Highly Efficient Algorithm for Generating $\hat{\Gamma}^{\pm 1/4}$ Variates and a Near-100% Efficient Algorithm for Generating $\hat{\Gamma}^{\pm 1/4}$ Variates. IEEE Communications Letters, 2012, 16, 1768-1771.	4.1	35
76	Implementation-Oriented Model for Centralized Data-Fusion Cooperative Spectrum Sensing. IEEE Communications Letters, 2012, 16, 1804-1807.	4.1	11
77	Bivariate Hoyt (Nakagami-q) Distribution. IEEE Transactions on Communications, 2012, 60, 714-723.	7.8	10
78	Sensoriamento Espectral Cooperativo Baseado em Autovalores para Sinais de Banda Larga. , 2012, , .		0
79	Projeto de Detectores via OtimizaÃ§Ã£o Convexa para Sensoriamento Espectral em RÃ¡dios Cognitivos. , 2012, , .		0
80	AnÃ¡lise de desempenho das TÃ©cnicas de Sensoriamento Espectral Cooperativo. , 2012, , .		0
81	EstimaÃ§Ã£o EmpÃ©rica da DistribuiÃ§Ã£o da EstatÃstica de Teste para o Sensoriamento Espectral por MÃ¡ximo Autovalor sob a HipÃ³tese H_1 . , 2012, , .		0
82	AnÃ¡lise de desempenho do Algoritmo de Water-filling Modificado para AlocaÃ§Ã£o de Recursos em Sistemas OFDMA. , 2012, , .		0
83	Plataforma para SimulaÃ§Ã£o de Sensoriamento Espectral Cooperativo em RÃ¡dios Cognitivos. , 2012, , .		0
84	On the Multivariate $\alpha\text{-}\mu$ Distribution: New Exact Analytical Formulations. IEEE Transactions on Vehicular Technology, 2011, 60, 4063-4070.	6.3	7
85	The multivariate $\hat{\Gamma}^{\pm 1/4}$ distribution. IEEE Transactions on Wireless Communications, 2010, 9, 45-50.	9.2	10
86	New results for the $\alpha\text{-}\mu$ multivariate fading model. , 2010, , .		1
87	Maximal-Ratio and Equal-Gain Combining in Hoyt (Nakagami-q) Fading. , 2009, , .		6
88	Bivariate Nakagami-q (Hoyt) Distribution. , 2009, , .		8
89	On the Multivariate $\alpha\text{-}\mu$ Distribution with Arbitrary Correlation and Fading Parameters. , 2008, , .		11
90	Bivariate nakagami-m distribution with arbitrary correlation and fading parameters. IEEE Transactions on Wireless Communications, 2008, 7, 5227-5232.	9.2	27

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91	The Multivariate alpha-mu Distribution. , 2008, , .		3
92	On the multivariate Nakagami-m distribution with arbitrary correlation and fading parameters. , 2007, , .		15
93	On the multivariate χ^2 distribution with arbitrary correlation. , 2006, , .		15