Ricardo Suyama

List of Publications by Year
in descending order

26 papers	**231** citations	1163117 **8** h-index	996975 **15** g-index
28 all docs	**28** docs citations	**28** times ranked	**210** citing authors

#	ARTICLE	IF	CITATIONS
1	Chaos-based communication systems in non-ideal channels. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 4707-4718.	3.3	41
2	Unsupervised Processing of Geophysical Signals: A Review of Some Key Aspects of Blind Deconvolution and Blind Source Separation. IEEE Signal Processing Magazine, 2012, 29, 27-35.	5.6	37
3	A method for Lyapunov spectrum estimation using cloned dynamics and its application toÂthe discontinuously-excited FitzHughâ€"Nagumo model. Nonlinear Dynamics, 2012, 67, 413-424.	5.2	30
4	Blind Compensation of Nonlinear Distortions: Application to Source Separation of Post-Nonlinear Mixtures. IEEE Transactions on Signal Processing, 2012, 60, 5832-5844.	5.3	20
5	Numerical characterization of nonlinear dynamical systems using parallel computing: The role of GPUs approach. Communications in Nonlinear Science and Numerical Simulation, 2016, 37, 143-162.	3.3	13
6	A Sparsity-Based Method for Blind Compensation of a Memoryless Nonlinear Distortion: Application to Ion-Selective Electrodes. IEEE Sensors Journal, 2015, 15, 2054-2061.	4.7	10
7	Blind Search for Optimal Wiener Equalizers Using an Artificial Immune Network Model. Eurasip Journal on Advances in Signal Processing, 2003, 2003, 1.	1.7	9
8	Blind extraction of chaotic sources from mixtures with stochastic signals based on recurrence quantification analysis. , 2011, 21, 417-426.		8
9	Maximum Likelihood-Based Direction-of-Arrival Estimator for Discrete Sources. Circuits, Systems, and Signal Processing, 2013, 32, 2423-2443.	2.0	8
10	Blind Source Separation of Overdetermined Linear-Quadratic Mixtures. Lecture Notes in Computer Science, 2010, , 263-270.	1.3	7
11	A Recurrence-Based Approach for Feature Extraction in Brain-Computer Interface Systems. Springer Proceedings in Mathematics and Statistics, 2014, , 95-107.	0.2	5
12	Achievable rates of DSL with crosstalk cancellation. European Transactions on Telecommunications, 2009, 20, 81-86.	1.2	4
13	Proposal and analysis of a FitzHugh-Nagumo neuronal circuit*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 220-225.	0.4	4
14	Perceptually controlled doping for audio source separation. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.7	4
15	A Michigan-like immune-inspired framework for performing independent component analysis over Galois fields of prime order. Signal Processing, 2014, 96, 153-163.	3.7	4
16	Increasing key randomness in physical layer key generation based on RSSI in LoRaWAN devices. Physical Communication, 2021, 49, 101480.	2.1	4
17	Characterization of multiscroll attractors using Lyapunov exponents and Lagrangian coherent structures. Chaos, 2013, 23, 023105.	2.5	3
18	Conditional Lyapunov exponents and transfer entropy in coupled bursting neurons under excitation and coupling mismatch. Communications in Nonlinear Science and Numerical Simulation, 2018, 56, 419-433.	3.3	3

#	Article	IF	Citations
19	A Nonlinear Prediction Approach to the Blind Separation of Convolutive Mixtures. Eurasip Journal on Advances in Signal Processing, 2006, 2007, 1.	1.7	2
20	Information Generation and Lagrangian Coherent Structures in Multiscroll Attractors*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 93-98.	0.4	2
21	Chaotic convergence of the decision-directed blind equalization algorithm. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 5097-5109.	3.3	2
22	On the Relationships between Blind Equalization and Blind Source Separation â€" Part II: Foundations. Journal of Communication and Information Systems, 2007, 22, 53-61.	0.3	1
23	An Introduction to Information Theoretic Learning, Part I: Foundations. Journal of Communication and Information Systems, 2016, , .	0.3	1
24	Relationship Between Criteria Based on Correntropy and Second Order Statistics for Equalization of Communication Channels. IEEE Signal Processing Letters, 2022, 29, 1317-1321.	3.6	1
25	Up- and Down-Projection Unit in a Dual Branch Scenario for Single Image Super Resolution. Smart Innovation, Systems and Technologies, 2021, , 782-789.	0.6	0
26	An Introduction to Information Theoretic Learning, Part II: Applications. Journal of Communication and Information Systems, 2016, , .	0.3	0