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TOP-CITED IEEE CAS-I TRANSACTIONS

Two of Prof. Kolumbán's papers, co-authored with Profs. M. P. Kennedy and L. O. Chua, have been ranked in top-cited IEEE Transactions on Circuits and Systems, Part I:

<http://tcas1.polito.it/editor/top-cited-TCAS-I.htm>

1997, second place

Place	Authors	Title	Issue
1	Nijmeijer H, Mareels IMY	An observer looks at synchronization	44 (10): 882-890
2	Kolumban G, Kennedy MP, Chua LO	The role of synchronization in digital communications using chaos - Part I: Fundamentals of digital communications	44 (10): 927-936
3	Mazzini G, Setti G, Rovatti R	Chaotic complex spreading sequences for asynchronous DS-SS-CDMA - Part I: System modeling and results	44 (10): 937-947
4	Yang T, Chua LO	Impulsive stabilization for control and synchronization of chaotic systems: Theory and application to secure communication	44 (10): 976-988
5	Grassi G, Mascolo S	Nonlinear observer design to synchronize hyperchaotic systems via a scalar signal	44 (10): 1011-1014
6	Yang T, Wu CW, Chua LO	Cryptography based on chaotic systems	44 (5): 469-472
7	Corron NJ, Hahs DW	A new approach to communications using chaotic signals	44 (5): 373-382

1998, second place

Place	Authors	Title	Issue
1	Arik S, Tavsanoglu V	Equilibrium analysis of delayed CNNs	45 (2): 168-171
2	Kolumban G, Kennedy MP, Chua LO	The role of synchronization in digital communications using chaos - Part II: Chaotic modulation and chaotic synchronization	45 (11): 1129-1140
3	Tanaka K, Ikeda T, Wang HO	A unified approach to controlling chaos via arm LMI-based fuzzy control system design	45 (10): 1021-1040
4	Yuan GH, Banerjee S, Ott E, Yorke JA	Border-collision bifurcations in the buck converter	45 (7): 707-716
5	Rovatti R, Setti G, Mazzini G	Chaotic complex spreading sequences for asynchronous DS-CDMA - Part II: Some theoretical performance bounds	45 (4): 496-506
6	di Bernardo M, Garofalo F, Glielmo L, Vasca F	Switchings, bifurcations, and chaos in DC/DC converters	45 (2): 133-141