Ichi Takumi

List of Publications by Year
in descending order

36 papers	135 citations	1684188 5 h-index	1372567 10 g-index
36 all docs	36 docs citations	36 times ranked	56 citing authors

#	Article	IF	Citations
1	Minimum error detection of classical linear code sending through a quantum channel. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 256, 104-108.	2.1	26
2	A cutting-plane method based on redundant rows for improving fractional distance. IEEE Journal on Selected Areas in Communications, 2009, 27, 1005-1012.	14.0	21
3	Superadditivity in capacity of quantum channel for q-ary linearly dependent real symmetric-state signals. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 305, 125-134.	2.1	11
4	Voice interaction system with 3D-CG virtual agent for stand-alone smartphones. , 2014, , .		11
5	Development of ULF Band Receiver for Detecting Electromagnetic-Wave Precursor of Earthquakes. Journal of Atmospheric Electricity, 2010, 30, 13-36.	0.3	8
6	An anomaly of ELF band vertical magnetic flux as a precursor of dome formation at Unzen volcano and its model analysis. Physics of the Earth and Planetary Interiors, 1998, 105, 271-277.	1.9	6
7	Relationship between optimum quantum detection operators for pure and mixed-state signals. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T		5
8	Analysis of environmental electromagnetic signal using nonnegative Matrix Factorization minimizing quasi-L1 norm. , 2011, , .		5
9	Revising algorithm for nonnegative matrix factorization based on minimizing quasi-L1 norm. , 2014, , .		4
10	Group Covariant Signals in Quantum Information Theory. , 2002, , 37-42.		4
11	Anomalous Signal Detection in ELF Band Electromagnetic Wave using Multi-layer Neural Network with Wavelet Decomposition. IEEJ Transactions on Fundamentals and Materials, 2009, 129, 875-883.	0.2	4
12	Improvement of convergence characteristics pole-controlled IIR echo canceller. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2		3
13	Properties of quantum gain of coding with information criterion by binary linear codes. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2008, 163, 48-57.	0.4	3
14	Entanglement of Formation of a Quasi-Bell State with Non-Symmetric Loss. IEEJ Transactions on Electronics, Information and Systems, 2006, 126, 1531-1532.	0.2	3
15	Properties of Quantum Gain of Coding with Information Criterion by Binary Linear Codes. IEEJ Transactions on Electronics, Information and Systems, 2006, 126, 1474-1482.	0.2	3
16	EM Precursor Phenomena of Off-West-Fukuoka M7 .0 Earthquake. Journal of Atmospheric Electricity, 2007, 27, 69-82.	0.3	3
17	Single trial analysis on saccade-related EEG signal. , 2007, , .		2
18	A cutting plane method based on redundant rows for improving fractional distance. , 2008, , .		2

#	Article	IF	Citations
19	Improvement of Earthquake Prediction by using Global Signal Elimination from Environmental Electromagnetic Signals. , 2008, , .		2
20	Performance of anomalous signal detection with HMM approach in electromagneticwave observation using moving window. , 2011, , .		2
21	Observation of Electromagnetic Earthquake Precursors Through Ultra -Long Period Wavelet Analysis. Journal of Atmospheric Electricity, 2008, 28, 31-40.	0.3	2
22	Usefulness of Quasi-L1 Norm-Based Nonnegative Matrix Factorization Algorithm to Estimate Background Signal using Environmental Electromagnetic Field Measurements at ELF Band. IEEJ Transactions on Fundamentals and Materials, 2016, 136, 241-251.	0.2	2
23	Effectiveness of global signal elimination from environmental electromagnetic signals for earthquake prediction. , 2008, , .		1
24	The Signal Detection for Predicting Significant Earthquake Using PCA. IEEJ Transactions on Electronics, Information and Systems, 2003, 123, 2170-2171.	0.2	1
25	Development of ELF Band Receiver of Detecting Extreme Low Frequency Magnetic Flux Variation Due to Earthquakes. Journal of Atmospheric Electricity, 2010, 30, 37-52.	0.3	1
26	An infinite impulse response adaptive digital filter for line-canceller and its pole-control algorithm. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 457 To		
27	Construction of Quantum Error Correcting Code for Specific Position Errors. AIP Conference Proceedings, 2004, , .	0.4	0
28	Anomaly detection of environmental electromagnetic wave based on time fluctuation and cross-correlation in magnetic field azimuth. , 2008, , .		0
29	A study on anomalous signal detection using HMM for ELF electromagnetic wave. , 2010, , .		0
30	Effect of step-by-step estimation technique on uniqueness of solution in nonnegative matrix factorization minimizing quasi-L1 norm. , 2012, , .		0
31	Development of Reliable and Stable QL1-NMF Algorithm for Analyzing Environmental ELF Magnetic Signals. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1821-1831.	4.9	0
32	MMDAE: Dialog scenario editor for MMDAgent on the web browser. ICT Express, 2019, 5, 47-51.	4.8	0
33	Purification of the Quasi-Bell State from (3, 1) Quantum Error Correcting Code. IEEJ Transactions on Electronics, Information and Systems, 2008, 128, 1741-1742.	0.2	0
34	An Example of Code that has Quantum Gain with Two Criteria. IEEJ Transactions on Electronics, Information and Systems, 2008, 128, 1743-1744.	0.2	0
35	Detection of Anomalous ELF Band Environmental Electromagnetic Wave Based on Fluctuation in Magnetic Field Azimuth. IEEJ Transactions on Electronics, Information and Systems, 2010, 130, 1945-1952.	0.2	0
36	Following Activity of Neurons in Optic Tectum of Goldfish with Flashing Stimulation. Transactions of the Society of Instrument and Control Engineers, 2019, 55, 545-551.	0.2	0