
Record 1 of 26

Author(s): Karmarkar, UR (Karmarkar, Urna R.); Buonomano, DV (Buonomano, Dean V.)

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Yoon, Taehwan	D-2309-2011	

Title: Timing in the absence of clocks: Encoding time in neural network states

Source: NEURON

Volume: 53

Issue: 3

Pages: 427-438

DOI: 10.1016/j.neuron.2007.01.006

Published: FEB 1 2007

Times Cited in Web of Science: 116

Times Cited in BIOSIS Citation Index: 87

Times Cited in Chinese Science Citation Database: 1

Times Cited in Other: 0

Total Times Cited: 118

ISSN: 0896-6273

Accession Number: WOS:000245126800012

Record 2 of 26

Author(s): Karmarkar, UR (Karmarkar, UR); Buonomano, DV (Buonomano, DV)

Title: Different forms of homeostatic plasticity are engaged with distinct temporal profiles

Source: EUROPEAN JOURNAL OF NEUROSCIENCE

Volume: 23

Issue: 6

Pages: 1575-1584

DOI: 10.1111/j.1460-9568.2006.04692.x

Published: MAR 2006

Times Cited in Web of Science: 37

Times Cited in BIOSIS Citation Index: 35

Times Cited in Chinese Science Citation Database: 0

Times Cited in Other: 0

Total Times Cited: 37

ISSN: 0953-816X

Accession Number: WOS:000236176000018

Record 3 of 26

Author(s): Kumar, A (Kumar, Arvind); Rotter, S (Rotter, Stefan); Aertsen, A (Aertsen, Ad)

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Kumar, Arvind	A-6590-2009	

Title: Spiking activity propagation in neuronal networks: reconciling different perspectives on neural coding

Source: NATURE REVIEWS NEUROSCIENCE

Volume: 11

Issue: 9

Pages: 615-627

DOI: 10.1038/nrn2886

Published: SEP 2010

Times Cited in Web of Science: 65

Times Cited in BIOSIS Citation Index: 39

Times Cited in Chinese Science Citation Database: 0

Times Cited in Other: 0

Total Times Cited: 65

ISSN: 1471-003X

Accession Number: WOS:000281122500010

Record 4 of 26

Author(s): Johnson, HA (Johnson, Hope A.); Goel, A (Goel, Anubhuthi); Buonomano, DV (Buonomano, Dean V.)

Title: Neural dynamics of in vitro cortical networks reflects experienced temporal patterns

Source: NATURE NEUROSCIENCE

Volume: 13

Issue: 8

Pages: 917-919

DOI: 10.1038/nn.2579

Published: AUG 2010

Times Cited in Web of Science: 11

Times Cited in BIOSIS Citation Index: 11

Times Cited in Chinese Science Citation Database: 0

Times Cited in Other: 0

Total Times Cited: 11

ISSN: 1097-6256

Accession Number: WOS:000280400600007

Record 5 of 26

Author(s): Rabinovich, M (Rabinovich, Mikhail); Tristan, I (Tristan, Irma); Varona, P (Varona, Pablo)

Title: Neural Dynamics of Attentional Cross-Modality Control

Source: PLOS ONE

Volume: 8

Issue: 5

Article Number: e64406

DOI: 10.1371/journal.pone.0064406

Published: MAY 16 2013

Times Cited in Web of Science: 0

Times Cited in BIOSIS Citation Index: 0

Times Cited in Chinese Science Citation Database: 0

Times Cited in Other: 0

Total Times Cited: 0

ISSN: 1932-6203

Accession Number: WOS:000319081900093

Record 6 of 26

Author(s): Liu, JK (Liu, Jian K.); Buonomano, DV (Buonomano, Dean V.)

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Liu, Jian	E-1748-2013	

Title: Embedding Multiple Trajectories in Simulated Recurrent Neural Networks in a Self-Organizing Manner

Source: JOURNAL OF NEUROSCIENCE

Volume: 29

Issue: 42

Pages: 13172-13181

DOI: 10.1523/JNEUROSCI.2358-09.2009

Published: OCT 21 2009

Times Cited in Web of Science: 21

Times Cited in BIOSIS Citation Index: 14

Times Cited in Chinese Science Citation Database: 0

Times Cited in Other: 0

Total Times Cited: 21

ISSN: 0270-6474

Accession Number: WOS:000271002600011

Record 7 of 26

Author(s): Eagleman, DM (Eagleman, DM); Tse, PU (Tse, PU); Buonomano, D (Buonomano, D); Janssen, P (Janssen, P); Nobre, AC (Nobre, AC); Holcombe, AO (Holcombe, AO)

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Holcombe, Alex	A-2344-2012	
Yoon, Taehwan	D-2309-2011	

Title: Time and the brain: How subjective time relates to neural time

Source: JOURNAL OF NEUROSCIENCE

Volume: 25

Issue: 45

Pages: 10369-10371

DOI: 10.1523/JNEUROSCI.3487-05.2005

Published: NOV 9 2005

Times Cited in Web of Science: 59

Times Cited in BIOSIS Citation Index: 31

Times Cited in Chinese Science Citation Database: 0

Times Cited in Other: 1

Total Times Cited: 60

ISSN: 0270-6474

Accession Number: WOS:000233137000008

Record 8 of 26

Author(s): Johnson, HA (Johnson, Hope A.); Buonomano, DV (Buonomano, Dean V.)

Title: Development and plasticity of spontaneous activity and up states in cortical organotypic slices

Source: JOURNAL OF NEUROSCIENCE

Volume: 27

Issue: 22

Pages: 5915-5925

DOI: 10.1523/JNEUROSCI.0447-07.2007

Published: MAY 30 2007

Times Cited in Web of Science: 28

Times Cited in BIOSIS Citation Index: 26

Times Cited in Chinese Science Citation Database: 0

Times Cited in Other: 0

Total Times Cited: 29

ISSN: 0270-6474

Accession Number: WOS:000247048700011

Record 9 of 26

Author(s): Brunnet, LG (Brunnet, L. G.); Agnes, EJ (Agnes, E. J.); Mizusaki, BEP (Mizusaki, B. E. P.); Erichsen, R (Erichsen, R., Jr.)

Book Editor(s): Garrido, PL (Garrido, PL); Marro, J (Marro, J); Torres, JJ (Torres, JJ); Cortes, JM (Cortes, JM)

Title: Unsupervised learning in neural networks with short range synapses

Source: PHYSICS, COMPUTATION, AND THE MIND - ADVANCES AND CHALLENGES AT INTERFACES

Book Series Title: AIP Conference Proceedings

Volume: 1510

Pages: 251-254

DOI: 10.1063/1.4776532

Published: 2013

Conference Title: 12th Granada Seminar on Computational and Statistical Physics

Conference Date: SEP 17-21, 2012

Conference Location: La Herradura, SPAIN

Sponsor(s): Inst Carlos I Theoret & Computat Phys; European Network Sci Computat CECAM; European Phys Soc; Univ Granada

Times Cited in Web of Science: 0

Times Cited in BIOSIS Citation Index: 0

Times Cited in Chinese Science Citation Database: 0

Times Cited in Other: 0

Total Times Cited: 0

ISSN: 0094-243X

ISBN: 978-0-7354-1128-9

Accession Number: WOS:000317105100034

Record 10 of 26

Author(s): Lee, TP (Lee, Tyler P.); Buonomano, DV (Buonomano, Dean V.)

Title: Unsupervised Formation of Vocalization-Sensitive Neurons: A Cortical Model Based on Short-Term and Homeostatic Plasticity

Source: NEURAL COMPUTATION

Volume: 24

Issue: 10

Pages: 2579-2603

DOI: 10.1162/NECO_a_00345

Published: OCT 2012

Times Cited in Web of Science: 0

Times Cited in BIOSIS Citation Index: 0

Times Cited in Chinese Science Citation Database: 0

Times Cited in Other: 0

Total Times Cited: 0

ISSN: 0899-7667

Accession Number: WOS:000308423500002

Record 11 of 26

Author(s): Buonomano, DV (Buonomano, Dean V.)

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Yoon, Taehwan	D-2309-2011	

Title: Harnessing Chaos in Recurrent Neural Networks

Source: NEURON

Volume: 63

Issue: 4

Pages: 423-425

DOI: 10.1016/j.neuron.2009.08.003

Published: AUG 27 2009

Times Cited in Web of Science: 3

Times Cited in BIOSIS Citation Index: 2

Times Cited in Chinese Science Citation Database: 0

Times Cited in Other: 0

Total Times Cited: 3

ISSN: 0896-6273

Accession Number: WOS:000269570400003

Record 12 of 26

Author(s): Tetzlaff, C (Tetzlaff, Christian); Kolodziejski, C (Kolodziejski, Christoph); Timme, M (Timme, Marc); Worgotter, F (Woergoetter, Florentin)

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Timme, Marc	G-6094-2011	

Title: Synaptic scaling in combination with many generic plasticity mechanisms stabilizes circuit connectivity

Source: FRONTIERS IN COMPUTATIONAL NEUROSCIENCE

Volume: 5

Article Number: 47

DOI: 10.3389/fncom.2011.00047

Published: NOV 10 2011

Times Cited in Web of Science: 4

Times Cited in BIOSIS Citation Index: 3

Times Cited in Chinese Science Citation Database: 0

Times Cited in Other: 0

Total Times Cited: 4

ISSN: 1662-5188

Accession Number: WOS:000299567700001

Record 13 of 26

Author(s): Liu, JK (Liu, Jian K.); She, ZS (She, Zhen-Su)

Author Identifiers:

Author	ResearcherID Number	ORCID Number
余, 振苏	C-1447-2010	
Liu, Jian	E-1748-2013	

Title: A Spike-Timing Pattern Based Neural Network Model for the Study of Memory Dynamics

Source: PLOS ONE

Volume: 4

Issue: 7

Article Number: e6247

DOI: 10.1371/journal.pone.0006247

Published: JUL 24 2009

Times Cited in Web of Science: 1

Times Cited in BIOSIS Citation Index: 0

Times Cited in Chinese Science Citation Database: 0

Times Cited in Other: 0

Total Times Cited: 1

ISSN: 1932-6203

Accession Number: WOS:000268318900001

Record 14 of 26

Author(s): Verduzco-Flores, SO (Verduzco-Flores, Sergio Oscar); Bodner, M (Bodner, Mark); Ermentrout, B (Ermentrout, Bard)

Title: A model for complex sequence learning and reproduction in neural populations

Source: JOURNAL OF COMPUTATIONAL NEUROSCIENCE

Volume: 32

Issue: 3

Pages: 403-423

DOI: 10.1007/s10827-011-0360-x

Published: JUN 2012

Times Cited in Web of Science: 2

Times Cited in BIOSIS Citation Index: 2

Times Cited in Chinese Science Citation Database: 0

Times Cited in Other: 0

Total Times Cited: 2

ISSN: 0929-5313

Accession Number: WOS:000303589500003

Record 15 of 26

Author(s): Hass, J (Hass, Joachim); Blaschke, S (Blaschke, Stefan); Rammsayer, T (Rammsayer, Thomas); Herrmann, JM (Herrmann, J. Michael)

Title: A neurocomputational model for optimal temporal processing

Source: JOURNAL OF COMPUTATIONAL NEUROSCIENCE

Volume: 25

Issue: 3

Pages: 449-464

DOI: 10.1007/s10827-008-0088-4

Published: DEC 2008

Times Cited in Web of Science: 8

Times Cited in BIOSIS Citation Index: 5

Times Cited in Chinese Science Citation Database: 0

Times Cited in Other: 0

Total Times Cited: 8

ISSN: 0929-5313

Accession Number: WOS:000259438100003

Record 16 of 26

Author(s): Buonomano, DV (Buonomano, Dean V.); Laje, R (Laje, Rodrigo)

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Yoon, Taehwan	D-2309-2011	

Title: Population clocks: motor timing with neural dynamics

Source: TRENDS IN COGNITIVE SCIENCES

Volume: 14

Issue: 12

Special Issue: SI

Pages: 520-527

DOI: 10.1016/j.tics.2010.09.002

Published: DEC 2010

Times Cited in Web of Science: 13

Times Cited in BIOSIS Citation Index: 9

Times Cited in Chinese Science Citation Database: 0

Times Cited in Other: 0

Total Times Cited: 13

ISSN: 1364-6613

Accession Number: WOS:000285326800002

Record 17 of 26

Author(s): Kunkel, S (Kunkel, Susanne); Diesmann, M (Diesmann, Markus); Morrison, A (Morrison, Abigail)

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Diesmann, Markus	H-3722-2013	0000-0002-2308-5727

Title: Limits to the development of feed-forward structures in large recurrent neuronal networks

Source: FRONTIERS IN COMPUTATIONAL NEUROSCIENCE

Volume: 4

Article Number: 160

DOI: 10.3389/fncom.2010.00160

Published: FEB 14 2011

Times Cited in Web of Science: 8

Times Cited in BIOSIS Citation Index: 7

Times Cited in Chinese Science Citation Database: 0

Times Cited in Other: 0

Total Times Cited: 8

ISSN: 1662-5188

Accession Number: WOS:000289433100001

Record 18 of 26

Author(s): Liu, JK (Liu, Jian K.)

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Liu, Jian	E-1748-2013	

Title: Learning Rule of Homeostatic Synaptic Scaling: Presynaptic Dependent or Not

Source: NEURAL COMPUTATION

Volume: 23

Issue: 12

Pages: 3145-3161

Published: DEC 2011

Times Cited in Web of Science: 1

Times Cited in BIOSIS Citation Index: 1

Times Cited in Chinese Science Citation Database: 0

Times Cited in Other: 0

Total Times Cited: 1

ISSN: 0899-7667

Accession Number: WOS:000296770900006

Record 19 of 26

Author(s): Buonomano, DV (Buonomano, DV)

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Yoon, Taehwan	D-2309-2011	

Title: A learning rule for the emergence of stable dynamics and timing in recurrent networks

Source: JOURNAL OF NEUROPHYSIOLOGY

Volume: 94

Issue: 4

Pages: 2275-2283

DOI: 10.1152/jn.01250.2004

Published: OCT 2005

Times Cited in Web of Science: 32

Times Cited in BIOSIS Citation Index: 25

Times Cited in Chinese Science Citation Database: 0

Times Cited in Other: 0

Total Times Cited: 32

ISSN: 0022-3077

Accession Number: WOS:000231834200004

Record 20 of 26

Author(s): Carvalho, TP (Carvalho, Tiago P.); Buonomano, DV (Buonomano, Dean V.)

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Yoon, Taehwan	D-2309-2011	

Title: Differential Effects of Excitatory and Inhibitory Plasticity on Synaptically Driven Neuronal Input-Output Functions

Source: NEURON

Volume: 61

Issue: 5

Pages: 774-785

DOI: 10.1016/j.neuron.2009.01.013

Published: MAR 12 2009

Times Cited in Web of Science: 26

Times Cited in BIOSIS Citation Index: 24

Times Cited in Chinese Science Citation Database: 0

Times Cited in Other: 0

Total Times Cited: 26

ISSN: 0896-6273

Accession Number: WOS:000264366900016

Record 21 of 26

Author(s): Buonomano, DV (Buonomano, Dean V.); Maass, W (Maass, Wolfgang)

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Yoon, Taehwan	D-2309-2011	

Title: State-dependent computations: spatiotemporal processing in cortical networks

Source: NATURE REVIEWS NEUROSCIENCE

Volume: 10

Issue: 2

Pages: 113-125

DOI: 10.1038/nrn2558

Published: FEB 2009

Times Cited in Web of Science: 99
Times Cited in BIOSIS Citation Index: 70
Times Cited in Chinese Science Citation Database: 0
Times Cited in Other: 0
Total Times Cited: 99
ISSN: 1471-0048
Accession Number: WOS:000263091100014

Record 22 of 26

Author(s): Szatmary, B (Szatmary, Botond); Izhikevich, EM (Izhikevich, Eugene M.)
Title: Spike-Timing Theory of Working Memory
Source: PLOS COMPUTATIONAL BIOLOGY
Volume: 6
Issue: 8
Article Number: e1000879
DOI: 10.1371/journal.pcbi.1000879
Published: AUG 2010
Times Cited in Web of Science: 12
Times Cited in BIOSIS Citation Index: 10
Times Cited in Chinese Science Citation Database: 0
Times Cited in Other: 0
Total Times Cited: 12
ISSN: 1553-734X
Accession Number: WOS:000281389500011

Record 23 of 26

Author(s): Buonomano, D (Buonomano, Dean)
Title: Neural dynamics and temporal processing in cortical networks
Source: NEUROSCIENCE RESEARCH
Volume: 61
Pages: S13-S13
Published: 2008
Times Cited in Web of Science: 0
Times Cited in BIOSIS Citation Index: 0
Times Cited in Chinese Science Citation Database: 0
Times Cited in Other: 0
Total Times Cited: 0
ISSN: 0168-0102
Accession Number: WOS:000261548100073

Record 24 of 26

Author(s): Klampfl, S (Klampfl, Stefan); Maass, W (Maass, Wolfgang)

Title: Emergence of Dynamic Memory Traces in Cortical Microcircuit Models through STDP

Source: JOURNAL OF NEUROSCIENCE

Volume: 33

Issue: 28

Pages: 11515-11529

DOI: 10.1523/JNEUROSCI.5044-12.2013

Published: JUL 10 2013

Times Cited in Web of Science: 0

Times Cited in BIOSIS Citation Index: 0

Times Cited in Chinese Science Citation Database: 0

Times Cited in Other: 0

Total Times Cited: 0

ISSN: 0270-6474

Accession Number: WOS:000321622600018

Record 25 of 26

Author(s): Agnes, EJ (Agnes, E. J.); Mizusaki, BEP (Mizusaki, B. E. P.); Erichsen, R (Erichsen, R., Jr.); Brunnet, LG (Brunnet, L. G.)

Book Editor(s): Garrido, PL (Garrido, PL); Marro, J (Marro, J); Torres, JJ (Torres, JJ); Cortes, JM (Cortes, JM)

Title: Strategies to associate memories by unsupervised learning in neural networks

Source: PHYSICS, COMPUTATION, AND THE MIND - ADVANCES AND CHALLENGES AT INTERFACES

Book Series Title: AIP Conference Proceedings

Volume: 1510

Pages: 255-257

DOI: 10.1063/1.4776533

Published: 2013

Conference Title: 12th Granada Seminar on Computational and Statistical Physics

Conference Date: SEP 17-21, 2012

Conference Location: La Herradura, SPAIN

Sponsor(s): Inst Carlos I Theoret & Computat Phys; European Network Sci Computat CECAM; European Phys Soc; Univ Granada

Times Cited in Web of Science: 0

Times Cited in BIOSIS Citation Index: 0

Times Cited in Chinese Science Citation Database: 0

Times Cited in Other: 0

Total Times Cited: 0

ISSN: 0094-243X

ISBN: 978-0-7354-1128-9

Accession Number: WOS:000317105100035

Record 26 of 26

Author(s): Mizusaki, BEP (Mizusaki, B. E. P.); Agnes, EJ (Agnes, E. J.); Brunnet, LG (Brunnet, L. G.); Erichsen, R (Erichsen, R., Jr.)

Book Editor(s): Garrido, PL (Garrido, PL); Marro, J (Marro, J); Torres, JJ (Torres, JJ); Cortes, JM (Cortes, JM)

Title: Spike timing analysis in neural networks with unsupervised synaptic plasticity

Source: PHYSICS, COMPUTATION, AND THE MIND - ADVANCES AND CHALLENGES AT INTERFACES

Book Series Title: AIP Conference Proceedings

Volume: 1510

Pages: 213-215

DOI: 10.1063/1.4776522

Published: 2013

Conference Title: 12th Granada Seminar on Computational and Statistical Physics

Conference Date: SEP 17-21, 2012

Conference Location: La Herradura, SPAIN

Sponsor(s): Inst Carlos I Theoret & Computat Phys; European Network Sci Computat CECAM; European Phys Soc; Univ Granada

Times Cited in Web of Science: 0

Times Cited in BIOSIS Citation Index: 0

Times Cited in Chinese Science Citation Database: 0

Times Cited in Other: 0

Total Times Cited: 0

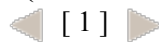
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Page 1 (Records 1 -- 26)



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