Friedemann Pulvermuller

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

273 papers	21,428 citations	74 h-index	141 g-index
286 ext. papers	24,104 ext. citations	4.4 avg, IF	7.48 L-index

#	Paper	IF	Citations
273	Bo-NO-bouba-kiki: picture-word mapping but no spontaneous sound symbolic speech-shape mapping in a language trained bonobo.. *Proceedings of the Royal Society B: Biological Sciences*, **2022**, 289, 20211717	4.4	1
272	Modelling concrete and abstract concepts using brain-constrained deep neural networks. *Psychological Research*, **2021**, 1	2.5	0
271	What's "up"? Impaired Spatial Preposition Processing in Posterior Cortical Atrophy.. *Frontiers in Human Neuroscience*, **2021**, 15, 731104	3.3	
270	Biological constraints on neural network models of cognitive function. *Nature Reviews Neuroscience* , **2021**, 22, 488-502	13.5	12
269	Long-Term Stability of Short-Term Intensive Language-Action Therapy in Chronic Aphasia: A 1-2 year Follow-Up Study. *Neurorehabilitation and Neural Repair*, **2021**, 35, 861-870	4.7	0
268	Brain signatures predict communicative function of speech production in interaction. *Cortex*, **2021**, 135, 127-145	3.8	2
267	Distinct fronto-temporal substrates of distributional and taxonomic similarity among words: evidence from RSA of BOLD signals. *NeuroImage*, **2021**, 224, 117408	7.9	7
266	Correlated Brain Indexes of Semantic Prediction and Prediction Error: Brain Localization and Category Specificity. *Cerebral Cortex*, **2021**, 31, 1553-1568	5.1	5
265	Semantic Grounding of Novel Spoken Words in the Primary Visual Cortex. *Frontiers in Human Neuroscience*, **2021**, 15, 581847	3.3	0
264	Increased Recruitment of Domain-General Neural Networks in Language Processing Following Intensive Language-Action Therapy: fMRI Evidence From People With Chronic Aphasia. *American Journal of Speech-Language Pathology*, **2021**, 30, 455-465	3.1	0
263	Letter: A Note on Neurosurgical Resection and Why We Need to Rethink Cutting. *Neurosurgery*, **2021**, 89, E289-E291	3.2	0
262	Lesion-symptom mapping of language impairments in patients suffering from left perisylvian gliomas. *Cortex*, **2021**, 144, 1-14	3.8	0
261	Support vector machine based aphasia classification of transcranial magnetic stimulation language mapping in brain tumor patients. *NeuroImage: Clinical*, **2021**, 29, 102536	5.3	1
260	The functional relevance of dorsal motor systems for processing tool nouns- evidence from patients with focal lesions. *Neuropsychologia*, **2020**, 141, 107384	3.2	4
259	Anterior temporal lobe is necessary for efficient lateralised processing of spoken word identity. *Cortex*, **2020**, 126, 107-118	3.8	8
258	Semantic Prediction in Brain and Mind. *Trends in Cognitive Sciences*, **2020**, 24, 781-784	14	5
257	Intensive aphasia therapy improves low mood in fluent post-stroke aphasia: Evidence from a case-controlled study. *Neuropsychological Rehabilitation*, **2020**, 1-16	3.1	1

256	Action sound-shape congruencies explain sound symbolism. *Scientific Reports*, **2020**, 10, 12706	4.9	8
255	Multisensory cueing facilitates naming in aphasia. *Journal of NeuroEngineering and Rehabilitation*, **2020**, 17, 122	5.3	1
254	Prediction and Mismatch Negativity Responses Reflect Impairments in Action Semantic Processing in Adults With Autism Spectrum Disorders. *Frontiers in Human Neuroscience*, **2019**, 13, 395	3.3	4
253	Sound symbolic congruency detection in humans but not in great apes. *Scientific Reports*, **2019**, 9, 12705	4.9	6
252	Prediction mechanisms in motor and auditory areas and their role in sound perception and language understanding. *NeuroImage*, **2019**, 199, 206-216	7.9	9
251	Augmented Dyadic Therapy Boosts Recovery of Language Function in Patients With Nonfluent Aphasia. *Stroke*, **2019**, 50, 1270-1274	6.7	14
250	Visual cortex recruitment during language processing in blind individuals is explained by Hebbian learning. *Scientific Reports*, **2019**, 9, 3579	4.9	10
249	Neuronal correlates of label facilitated tactile perception. *Scientific Reports*, **2019**, 9, 1606	4.9	2
248	Chapter 1. The relevance of specific semantic categories in investigating the neural bases of abstract and concrete semantics. *Human Cognitive Processing*, **2019**, 17-42	0.3	
247	Neurophysiological evidence for rapid processing of verbal and gestural information in understanding communicative actions. *Scientific Reports*, **2019**, 9, 16285	4.9	4
246	Efficacy of intensive aphasia therapy in patients with chronic stroke: a randomised controlled trial. *Journal of Neurology, Neurosurgery and Psychiatry*, **2018**, 89, 586-592	5.5	31
245	What can autism teach us about the role of sensorimotor systems in higher cognition? New clues from studies on language, action semantics, and abstract emotional concept processing. *Cortex*, **2018**, 100, 149-190	3.8	31
244	Neural reuse of action perception circuits for language, concepts and communication. *Progress in Neurobiology*, **2018**, 160, 1-44	10.9	113
243	Abstract semantics in the motor system? - An event-related fMRI study on passive reading of semantic word categories carrying abstract emotional and mental meaning. *Cortex*, **2018**, 100, 52-70	3.8	64
242	The case of CAUSE: neurobiological mechanisms for grounding an abstract concept. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2018**, 373,	5.8	15
241	Congruency of Separable Affix Verb Combinations Is Linearly Indexed by the N400. *Frontiers in Human Neuroscience*, **2018**, 12, 219	3.3	0
240	Flexibility in Language Action Interaction: The Influence of Movement Type. *Frontiers in Human Neuroscience*, **2018**, 12, 252	3.3	6
239	Neurobiological Mechanisms for Semantic Feature Extraction and Conceptual Flexibility. *Topics in Cognitive Science*, **2018**, 10, 590-620	2.5	23

238	Combining rTMS With Intensive Language-Action Therapy in Chronic Aphasia: A Randomized Controlled Trial. *Frontiers in Neuroscience*, **2018**, 12, 1036	5.1	17
237	Verbal labels facilitate tactile perception. *Cognition*, **2018**, 171, 172-179	3.5	12
236	A Neurobiologically Constrained Cortex Model of Semantic Grounding With Spiking Neurons and Brain-Like Connectivity. *Frontiers in Computational Neuroscience*, **2018**, 12, 88	3.5	14
235	Brain connections of words, perceptions and actions: A neurobiological model of spatio-temporal semantic activation in the human cortex. *Neuropsychologia*, **2017**, 98, 111-129	3.2	51
234	Representational Similarity Mapping of Distributional Semantics in Left Inferior Frontal, Middle Temporal, and Motor Cortex. *Cerebral Cortex*, **2017**, 27, 294-309	5.1	39
233	Neurocomputational Consequences of Evolutionary Connectivity Changes in Perisylvian Language Cortex. *Journal of Neuroscience*, **2017**, 37, 3045-3055	6.6	36
232	Neural Correlates of Semantic Prediction and Resolution in Sentence Processing. *Journal of Neuroscience*, **2017**, 37, 4848-4858	6.6	28
231	Semantic word category processing in semantic dementia and posterior cortical atrophy. *Cortex*, **2017**, 93, 92-106	3.8	16
230	The cortical dynamics of speaking: Lexical and phonological knowledge simultaneously recruit the frontal and temporal cortex within 200 ms. *NeuroImage*, **2017**, 163, 206-219	7.9	24
229	Spread the word: MMN brain response reveals whole-form access of discontinuous particle verbs. *Brain and Language*, **2017**, 175, 86-98	2.9	10
228	Intensive Communicative Therapy Reduces Symptoms of Depression in Chronic Nonfluent Aphasia. *Neurorehabilitation and Neural Repair*, **2017**, 31, 1053-1062	4.7	10
227	Electrophysiological Evidence for Early and Interactive Symbol Access and Rule Processing in Retrieving and Combining Language Constructions. *Journal of Cognitive Neuroscience*, **2017**, 29, 254-266	3.1	4
226	Communicative-Pragmatic Assessment Is Sensitive and Time-Effective in Measuring the Outcome of Aphasia Therapy. *Frontiers in Human Neuroscience*, **2017**, 11, 223	3.3	5
225	Reliability and validity of the Korean version of the Communicative Activity Log (CAL). *Aphasiology*, **2016**, 30, 96-105	1.6	4
224	Somatotopic Semantic Priming and Prediction in the Motor System. *Cerebral Cortex*, **2016**, 26, 2353-66	5.1	39
223	Movement priming of EEG/MEG brain responses for action-words characterizes the link between language and action. *Cortex*, **2016**, 74, 262-76	3.8	41
222	Brain basis of communicative actions in language. *NeuroImage*, **2016**, 125, 857-867	7.9	28
221	A Spiking Neurocomputational Model of High-Frequency Oscillatory Brain Responses to Words and Pseudowords. *Frontiers in Computational Neuroscience*, **2016**, 10, 145	3.5	14

220	Therapy-Induced Neuroplasticity of Language in Chronic Post Stroke Aphasia: A Mismatch Negativity Study of (A)Grammatical and Meaningful/less Mini-Constructions. *Frontiers in Human Neuroscience*, **2016**, 10, 669	3.3	14
219	Brain Language Mechanisms Built on Action and Perception **2016**, 311-324		5
218	Constraint-Induced Aphasia Therapy: A Neuroscience-Centered Translational Method **2016**, 1025-1034		2
217	Reduced Volume of the Arcuate Fasciculus in Adults with High-Functioning Autism Spectrum Conditions. *Frontiers in Human Neuroscience*, **2016**, 10, 214	3.3	12
216	Is the Sensorimotor Cortex Relevant for Speech Perception and Understanding? An Integrative Review. *Frontiers in Human Neuroscience*, **2016**, 10, 435	3.3	67
215	Hemispheric contributions to language reorganisation: An MEG study of neuroplasticity in chronic post stroke aphasia. *Neuropsychologia*, **2016**, 93, 413-424	3.2	26
214	Early neurophysiological indices of second language morphosyntax learning. *Neuropsychologia*, **2016**, 82, 18-30	3.2	13
213	Using language for social interaction: Communication mechanisms promote recovery from chronic non-fluent aphasia. *Cortex*, **2016**, 85, 90-99	3.8	32
212	Conceptual grounding of language in action and perception: a neurocomputational model of the emergence of category specificity and semantic hubs. *European Journal of Neuroscience*, **2016**, 43, 721-37	3.5	43
211	Bilateral brain reorganization with memantine and constraint-induced aphasia therapy in chronic post-stroke aphasia: An ERP study. *Brain and Language*, **2015**, 145-146, 1-10	2.9	30
210	Ultra-rapid access to words in chronic aphasia: the effects of intensive language action therapy (ILAT). *Brain Topography*, **2015**, 28, 279-91	4.3	16
209	Early Visual Word Processing Is Flexible: Evidence from Spatiotemporal Brain Dynamics. *Journal of Cognitive Neuroscience*, **2015**, 27, 1738-51	3.1	29
208	Lost for emotion words: what motor and limbic brain activity reveals about autism and semantic theory. *NeuroImage*, **2015**, 104, 413-22	7.9	27
207	Is the Motor System Necessary for Processing Action and Abstract Emotion Words? Evidence from Focal Brain Lesions. *Frontiers in Psychology*, **2015**, 6, 1661	3.4	47
206	Early Parallel Activation of Semantics and Phonology in Picture Naming: Evidence from a Multiple Linear Regression MEG Study. *Cerebral Cortex*, **2015**, 25, 3343-55	5.1	64
205	Causal Influence of Articulatory Motor Cortex on Comprehending Single Spoken Words: TMS Evidence. *Cerebral Cortex*, **2015**, 25, 3894-902	5.1	46
204	Motor cognition-motor semantics: action perception theory of cognition and communication. *Neuropsychologia*, **2014**, 55, 71-84	3.2	57
203	Neural dynamics of speech act comprehension: an MEG study of naming and requesting. *Brain Topography*, **2014**, 27, 375-92	4.3	36

202	ERP adaptation provides direct evidence for early mirror neuron activation in the inferior parietal lobule. *International Journal of Psychophysiology*, **2014**, 94, 76-83	2.9	5
201	Thinking in circuits: toward neurobiological explanation in cognitive neuroscience. *Biological Cybernetics*, **2014**, 108, 573-93	2.8	55
200	Auditory processing and sensory behaviours in children with autism spectrum disorders as revealed by mismatch negativity. *Brain and Cognition*, **2014**, 86, 55-63	2.7	39
199	Nouns, verbs, objects, actions, and abstractions: local fMRI activity indexes semantics, not lexical categories. *Brain and Language*, **2014**, 132, 28-42	2.9	76
198	From sensorimotor learning to memory cells in prefrontal and temporal association cortex: a neurocomputational study of disembodiment. *Cortex*, **2014**, 57, 1-21	3.8	37
197	The syntax of action. *Trends in Cognitive Sciences*, **2014**, 18, 219-20	14	27
196	Changes of right-hemispheric activation after constraint-induced, intensive language action therapy in chronic aphasia: fMRI evidence from auditory semantic processing. *Frontiers in Human Neuroscience*, **2014**, 8, 919	3.3	33
195	Neurophysiological evidence for whole form retrieval of complex derived words: a mismatch negativity study. *Frontiers in Human Neuroscience*, **2014**, 8, 886	3.3	23
194	Unconscious automatic brain activation of acoustic and action-related conceptual features during masked repetition priming. *Journal of Cognitive Neuroscience*, **2014**, 26, 352-64	3.1	22
193	Early activation of Broca's area in grammar processing as revealed by the syntactic mismatch negativity and distributed source analysis. *Cognitive Neuroscience*, **2014**, 5, 66-76	1.7	16
192	Brain routes for reading in adults with and without autism: EMEG evidence. *Journal of Autism and Developmental Disorders*, **2014**, 44, 137-53	4.6	13
191	How neurons make meaning: brain mechanisms for embodied and abstract-symbolic semantics. *Trends in Cognitive Sciences*, **2013**, 17, 458-70	14	306
190	Past tense in the brain's time: neurophysiological evidence for dual-route processing of past-tense verbs. *NeuroImage*, **2013**, 71, 187-95	7.9	22
189	Semantic embodiment, disembodiment or misembodiment? In search of meaning in modules and neuron circuits. *Brain and Language*, **2013**, 127, 86-103	2.9	101
188	Neuronal correlates of decisions to speak and act: Spontaneous emergence and dynamic topographies in a computational model of frontal and temporal areas. *Brain and Language*, **2013**, 127, 75-85	2.9	21
187	Moving the hands and feet specifically impairs working memory for arm- and leg-related action words. *Cortex*, **2013**, 49, 222-31	3.8	74
186	Sensorimotor semantics on the spot: brain activity dissociates between conceptual categories within 150 ms. *Scientific Reports*, **2013**, 3, 1928	4.9	54
185	Early and parallel processing of pragmatic and semantic information in speech acts: neurophysiological evidence. *Frontiers in Human Neuroscience*, **2013**, 7, 86	3.3	34

184	Task modulation of brain responses in visual word recognition as studied using EEG/MEG and fMRI. *Frontiers in Human Neuroscience*, **2013**, 7, 376	3.3	31
183	Brain and behavioral correlates of action semantic deficits in autism. *Frontiers in Human Neuroscience*, **2013**, 7, 725	3.3	16
182	Brain Basis of Meaning, Words, Constructions, and Grammar **2013**,		15
181	Attention to language: novel MEG paradigm for registering involuntary language processing in the brain. *Neuropsychologia*, **2012**, 50, 2605-16	3.2	28
180	They played with the trade: MEG investigation of the processing of past tense verbs and their phonological twins. *Neuropsychologia*, **2012**, 50, 3713-20	3.2	6
179	Dissociating the representation of action- and sound-related concepts in middle temporal cortex. *Brain and Language*, **2012**, 122, 120-5	2.9	31
178	Can language-action links explain language laterality?: an ERP study of perceptual and articulatory learning of novel pseudowords. *Cortex*, **2012**, 48, 871-81	3.8	26
177	Conceptual representations in mind and brain: theoretical developments, current evidence and future directions. *Cortex*, **2012**, 48, 805-25	3.8	460
176	Body-part-specific representations of semantic noun categories. *Journal of Cognitive Neuroscience*, **2012**, 24, 1492-509	3.1	69
175	When do you grasp the idea? MEG evidence for instantaneous idiom understanding. *NeuroImage*, **2012**, 59, 3502-13	7.9	104
174	You can count on the motor cortex: finger counting habits modulate motor cortex activation evoked by numbers. *NeuroImage*, **2012**, 59, 3139-48	7.9	113
173	Inflection in action: Semantic motor system activation to noun- and verb-containing phrases is modulated by the presence of overt grammatical markers. *NeuroImage*, **2012**, 60, 1367-79	7.9	32
172	Meaning and the brain: The neurosemantics of referential, interactive, and combinatorial knowledge. *Journal of Neurolinguistics*, **2012**, 25, 423-459	1.9	70
171	Ultra-rapid access to words in the brain. *Nature Communications*, **2012**, 3, 711	17.4	119
170	Reading salt activates gustatory brain regions: fMRI evidence for semantic grounding in a novel sensory modality. *Cerebral Cortex*, **2012**, 22, 2554-63	5.1	118
169	Constrained versus unconstrained intensive language therapy in two individuals with chronic, moderate-to-severe aphasia and apraxia of speech: behavioral and fMRI outcomes. *American Journal of Speech-Language Pathology*, **2012**, 21, S65-87	3.1	42
168	A role for the motor system in binding abstract emotional meaning. *Cerebral Cortex*, **2012**, 22, 1634-47	5.1	116
167	Intensive language-action therapy (ILAT): The methods. *Aphasiology*, **2012**, 26, 1317-1351	1.6	72

166	Brain gain in cognitive neuropsychology: Continuing commentary on Laine and Martin (2012), Cognitive neuropsychology has been, is, and will be significant to aphasiology *Aphasiology*, **2012**, 26, 1481-1484	1.6	1
165	From sounds to words: a neurocomputational model of adaptation, inhibition and memory processes in auditory change detection. *NeuroImage*, **2011**, 54, 170-81	7.9	32
164	Event-related potentials reflecting the frequency of unattended spoken words: a neuronal index of connection strength in lexical memory circuits?. *NeuroImage*, **2011**, 55, 658-68	7.9	41
163	Neuroscience insights improve neurorehabilitation of poststroke aphasia. *Nature Reviews Neurology*, **2011**, 7, 86-97	15	119
162	The lateralization of motor cortex activation to action-words. *Frontiers in Human Neuroscience*, **2011**, 5, 149	3.3	37
161	Strength of word-specific neural memory traces assessed electrophysiologically. *PLoS ONE*, **2011**, 6, e22999	3.7	45
160	Drug therapy of post-stroke aphasia: a review of current evidence. *Neuropsychology Review*, **2011**, 21, 302-17	7.7	65
159	Recovery from post-stroke aphasia: lessons from brain imaging and implications for rehabilitation and biological treatments. *Discovery Medicine*, **2011**, 12, 275-89	2.5	33
158	Active perception: sensorimotor circuits as a cortical basis for language. *Nature Reviews Neuroscience*, **2010**, 11, 351-60	13.5	666
157	The word processing deficit in semantic dementia: all categories are equal, but some categories are more equal than others. *Journal of Cognitive Neuroscience*, **2010**, 22, 2027-41	3.1	76
156	Rapid cortical plasticity underlying novel word learning. *Journal of Neuroscience*, **2010**, 30, 16864-7	6.6	73
155	Arabic morphology in the neural language system. *Journal of Cognitive Neuroscience*, **2010**, 22, 998-1010	3.1	37
154	Interactions between language and attention systems: early automatic lexical processing?. *Journal of Cognitive Neuroscience*, **2010**, 22, 1465-78	3.1	60
153	Brain embodiment of syntax and grammar: discrete combinatorial mechanisms spelt out in neuronal circuits. *Brain and Language*, **2010**, 112, 167-79	2.9	101
152	Sentence processing and embodiment. *Brain and Language*, **2010**, 112, 137-42	2.9	5
151	Heating up or cooling up the brain? MEG evidence that phrasal verbs are lexical units. *Brain and Language*, **2010**, 115, 189-201	2.9	70
150	Effects of attention on what is known and what is not: MEG evidence for functionally discrete memory circuits. *Frontiers in Human Neuroscience*, **2009**, 3, 10	3.3	44
149	Spatiotemporal signatures of large-scale synfire chains for speech processing as revealed by MEG. *Cerebral Cortex*, **2009**, 19, 79-88	5.1	50

148	The motor somatotopy of speech perception. *Current Biology*, **2009**, 19, 381-5	6.3	427
147	Understanding in an instant: neurophysiological evidence for mechanistic language circuits in the brain. *Brain and Language*, **2009**, 110, 81-94	2.9	193
146	Memantine and constraint-induced aphasia therapy in chronic poststroke aphasia. *Annals of Neurology*, **2009**, 65, 577-85	9.4	146
145	Distributed cell assemblies for general lexical and category-specific semantic processing as revealed by fMRI cluster analysis. *Human Brain Mapping*, **2009**, 30, 3837-50	5.9	65
144	Recruitment and Consolidation of Cell Assemblies for Words by Way of Hebbian Learning and Competition in a Multi-Layer Neural Network. *Cognitive Computation*, **2009**, 1, 160-176	4.4	35
143	Discrete combinatorial circuits emerging in neural networks: a mechanism for rules of grammar in the human brain?. *Neural Networks*, **2009**, 22, 161-72	9.1	55
142	Can I have a quick word? Early electrophysiological manifestations of psycholinguistic processes revealed by event-related regression analysis of the EEG. *Biological Psychology*, **2009**, 80, 64-74	3.2	55
141	Auditory size-deviant detection in adults and newborn infants. *Biological Psychology*, **2009**, 82, 169-75	3.2	11
140	Grasping ideas with the motor system: semantic somatotopy in idiom comprehension. *Cerebral Cortex*, **2009**, 19, 1905-14	5.1	344
139	Changes in the perceived duration of a narrowband sound induced by a preceding stimulus. *Journal of Experimental Psychology: Human Perception and Performance*, **2009**, 35, 1898-912	2.6	8
138	A neuroanatomically grounded Hebbian-learning model of attention-language interactions in the human brain. *European Journal of Neuroscience*, **2008**, 27, 492-513	3.5	92
137	Imagery or meaning? Evidence for a semantic origin of category-specific brain activity in metabolic imaging. *European Journal of Neuroscience*, **2008**, 27, 1856-66	3.5	74
136	Syntax as a reflex: neurophysiological evidence for early automaticity of grammatical processing. *Brain and Language*, **2008**, 104, 244-53	2.9	99
135	The time course of action and action-word comprehension in the human brain as revealed by neurophysiology. *Journal of Physiology (Paris)*, **2008**, 102, 50-8		127
134	Hemispheric cooperation--a crucial factor in schizophrenia? Neurophysiological evidence. *NeuroImage*, **2008**, 41, 1102-10	7.9	23
133	Modulation of brain activity by multiple lexical and word form variables in visual word recognition: A parametric fMRI study. *NeuroImage*, **2008**, 42, 1185-95	7.9	58
132	Aphasia therapy on a neuroscience basis. *Aphasiology*, **2008**, 22, 563-599	1.6	180
131	Memory traces for spoken words in the brain as revealed by the hemodynamic correlate of the mismatch negativity. *Cerebral Cortex*, **2008**, 18, 29-37	5.1	31

130	Grounding language in the brain **2008**, 85-116		16
129	Word processing in the brain as revealed by neurophysiological imaging **2007**, 118-140		3
128	A neuronal model of the language cortex. *Neurocomputing*, **2007**, 70, 1914-1919	5.4	26
127	ERP correlates of the bilateral redundancy gain for words. *Neuropsychologia*, **2007**, 45, 2114-24	3.2	23
126	Grammar or serial order?: discrete combinatorial brain mechanisms reflected by the syntactic mismatch negativity. *Journal of Cognitive Neuroscience*, **2007**, 19, 971-80	3.1	55
125	Early MEG activation dynamics in the left temporal and inferior frontal cortex reflect semantic context integration. *Journal of Cognitive Neuroscience*, **2007**, 19, 1633-42	3.1	63
124	Early semantic context integration and lexical access as revealed by event-related brain potentials. *Biological Psychology*, **2007**, 74, 374-88	3.2	131
123	How the camel lost its hump: the impact of object typicality on event-related potential signals in object decision. *Journal of Cognitive Neuroscience*, **2007**, 19, 1338-53	3.1	25
122	Language in the Mismatch Negativity Design. *Journal of Psychophysiology*, **2007**, 21, 176-187	1	51
121	Language models based on Hebbian cell assemblies. *Journal of Physiology (Paris)*, **2006**, 100, 16-30		56
120	Clinical, imaging and pathological correlates of a hereditary deficit in verb and action processing. *Brain*, **2006**, 129, 321-32	11.2	108
119	Category-specific conceptual processing of color and form in left fronto-temporal cortex. *Cerebral Cortex*, **2006**, 16, 1193-201	5.1	115
118	[Q:] When would you prefer a SOSSAGE to a SAUSAGE? [A:] At about 100 msec. ERP correlates of orthographic typicality and lexicality in written word recognition. *Journal of Cognitive Neuroscience*, **2006**, 18, 818-32	3.1	113
117	Category specificity in the processing of color-related and form-related words: an ERP study. *NeuroImage*, **2006**, 29, 29-37	7.9	62
116	The time course of visual word recognition as revealed by linear regression analysis of ERP data. *NeuroImage*, **2006**, 30, 1383-400	7.9	403
115	Tracking speech comprehension in space and time. *NeuroImage*, **2006**, 31, 1297-305	7.9	62
114	Reading cinnamon activates olfactory brain regions. *NeuroImage*, **2006**, 32, 906-12	7.9	295
113	Motor cortex maps articulatory features of speech sounds. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 7865-70	11.5	445

112	Are release phenomena explained by disinhibited mirror neuron circuits? Arnold Pick's remarks on echographia and their relevance for modern cognitive neuroscienceView all notes. *Aphasiology*, **2006**, 20, 462-480	1.6	9
111	Language outside the focus of attention: the mismatch negativity as a tool for studying higher cognitive processes. *Progress in Neurobiology*, **2006**, 79, 49-71	10.9	299
110	The sound of actions as reflected by mismatch negativity: rapid activation of cortical sensory-motor networks by sounds associated with finger and tongue movements. *European Journal of Neuroscience*, **2006**, 23, 811-21	3.5	63
109	Determinants of dominance: is language laterality explained by physical or linguistic features of speech?. *NeuroImage*, **2005**, 27, 37-47	7.9	112
108	Therapy-related reorganization of language in both hemispheres of patients with chronic aphasia. *NeuroImage*, **2005**, 28, 481-9	7.9	89
107	Brain signatures of meaning access in action word recognition. *Journal of Cognitive Neuroscience*, **2005**, 17, 884-92	3.1	305
106	Sequence Detector Networks and Associative Learning of Grammatical Categories. *Lecture Notes in Computer Science*, **2005**, 31-53	0.9	5
105	Functional links between motor and language systems. *European Journal of Neuroscience*, **2005**, 21, 793-7	3.5	519
104	Brain mechanisms linking language and action. *Nature Reviews Neuroscience*, **2005**, 6, 576-82	13.5	1158
103	Grounding Neural Robot Language in Action. *Lecture Notes in Computer Science*, **2005**, 162-181	0.9	8
102	Lexical access as a brain mechanism. *Behavioral and Brain Sciences*, **2004**, 27, 297-299	0.9	3
101	Determinants of ignition times: Topographies of cell assemblies and the activation delays they imply. *Behavioral and Brain Sciences*, **2004**, 27, 308-311	0.9	
100	Enhanced mismatch negativity brain response after binaural word presentation. *European Journal of Neuroscience*, **2004**, 19, 1653-60	3.5	49
99	Word-specific cortical activity as revealed by the mismatch negativity. *Psychophysiology*, **2004**, 41, 106-12	4.1	105
98	Neurophysiological correlates of word and pseudo-word processing in well-recovered aphasics and patients with right-hemispheric stroke. *Psychophysiology*, **2004**, 41, 584-91	4.1	22
97	Distributed neuronal networks for encoding category-specific semantic information: the mismatch negativity to action words. *European Journal of Neuroscience*, **2004**, 19, 1083-92	3.5	147
96	Neurophysiological distinction of action words in the fronto-central cortex. *Human Brain Mapping*, **2004**, 21, 191-201	5.9	247
95	Somatotopic representation of action words in human motor and premotor cortex. *Neuron*, **2004**, 41, 301-7	13.9	1417

94	Effects of word length and frequency on the human event-related potential. *Clinical Neurophysiology*, **2004**, 115, 1090-103	4.3	257
93	Intensivierung, Fokussierung und Verhaltensrelevanz. *Zeitschrift F Neuropsychologie = Journal of Neuropsychology*, **2004**, 15, 219-232	0.5	5
92	Early influences of word length and frequency: a group study using MEG. *NeuroReport*, **2003**, 14, 1183-7	1.7	101
91	Neural Algorithms and Neural Networks **2003**, 96-123		
90	A Guide to the Book **2003**, 1-8		
89	Neuronal Structure and Function **2003**, 9-32		
88	From Classic Aphasia Research to Modern Neuroimaging **2003**, 33-49		
87	Explaining Neuropsychological Double Dissociations **2003**, 66-73		
86	Regulation, Overlap, and Web Tails **2003**, 74-95		
85	Basic Syntax **2003**, 124-146		
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