Rutvik H Desai

List of Publications by Year
in descending order

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49	8,272	185998 28	205818 48
papers	citations	h-index	g-index

51	51	51	7236
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Where Is the Semantic System? A Critical Review and Meta-Analysis of 120 Functional Neuroimaging Studies. Cerebral Cortex, 2009, 19, 2767-2796.	1.6	3,271
2	The neurobiology of semantic memory. Trends in Cognitive Sciences, 2011, 15, 527-536.	4.0	1,564
3	A new method for improving functional-to-structural MRI alignment using local Pearson correlation. NeuroImage, 2009, 44, 839-848.	2.1	368
4	Neural Systems for Reading Aloud: A Multiparametric Approach. Cerebral Cortex, 2010, 20, 1799-1815.	1.6	254
5	The Neural Career of Sensory-motor Metaphors. Journal of Cognitive Neuroscience, 2011, 23, 2376-2386.	1.1	223
6	Some neurophysiological constraints on models of word naming. NeuroImage, 2005, 27, 677-693.	2.1	205
7	Toward a brain-based componential semantic representation. Cognitive Neuropsychology, 2016, 33, 130-174.	0.4	201
8	Concept Representation Reflects Multimodal Abstraction: A Framework for Embodied Semantics. Cerebral Cortex, 2016, 26, 2018-2034.	1.6	200
9	Activation of Sensory-Motor Areas in Sentence Comprehension. Cerebral Cortex, 2010, 20, 468-478.	1.6	174
10	A piece of the action: Modulation of sensory-motor regions by action idioms and metaphors. NeuroImage, 2013, 83, 862-869.	2.1	137
11	Parkinsonâ€™s disease disrupts both automatic and controlled processing of action verbs. Brain and Language, 2013, 127, 65-74.	0.8	134
12	Specialization along the Left Superior Temporal Sulcus for Auditory Categorization. Cerebral Cortex, 2010, 20, 2958-2970.	1.6	130
13	Volumetric vs. surface-based alignment for localization of auditory cortex activation. NeuroImage, 2005, 26, 1019-1029.	2.1	110
14	Left Posterior Temporal Regions are Sensitive to Auditory Categorization. Journal of Cognitive Neuroscience, 2008, 20, 1174-1188.	1.1	109
15	Where is the action? Action sentence processing in Parkinson's disease. Neuropsychologia, 2013, 51, 1510-1517.	0.7	109
16	Neural correlates of implicit and explicit combinatorial semantic processing. NeuroImage, 2010, 53, 638-646.	2.1	105
17	fMRI of Past Tense Processing: The Effects of Phonological Complexity and Task Difficulty. Journal of Cognitive Neuroscience, 2006, 18, 278-297.	1.1	91
18	Attentional and linguistic interactions in speech perception. NeuroImage, 2008, 39, 1444-1456.	2.1	80

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19	The Role of Left Occipitotemporal Cortex in Reading: Reconciling Stimulus, Task, and Lexicality Effects. Cerebral Cortex, 2013, 23, 988-1001.	1.6	77
20	The multifaceted abstract brain. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170122.	1.8	71
21	Neural correlates of fixation duration in natural reading: Evidence from fixation-related fMRI. NeuroImage, 2015, 119, 390-397.	2.1	63
22	The neural substrates of natural reading: a comparison of normal and nonword text using eyetracking and fMRI. Frontiers in Human Neuroscience, 2014, 8, 1024.	1.0	61
23	Toward Semantics in the Wild: Activation to Manipulable Nouns in Naturalistic Reading. Journal of Neuroscience, 2016, 36, 4050-4055.	1.7	51
24	The functional organization of the left STS: a large scale meta-analysis of PET and fMRI studies of healthy adults. Frontiers in Neuroscience, 2014, 8, 289.	1.4	46
25	Concepts within reach: Action performance predicts action language processing in stroke. Neuropsychologia, 2015, 71, 217-224.	0.7	43
26	FMRI of past tense processing: the effects of phonological complexity and task difficulty. Journal of Cognitive Neuroscience, 2006, 18, 278-97.	1.1	39
27	Anatomy is strategy: Skilled reading differences associated with structural connectivity differences in the reading network. Brain and Language, 2014, 133, 1-13.	0.8	36
28	Familiarity differentially affects right hemisphere contributions to processing metaphors and literals. Frontiers in Human Neuroscience, 2015, 9, 44.	1.0	36
29	Resting state signatures of domain and demand-specific working memory performance. NeuroImage, 2015, 118, 174-182.	2.1	27
30	Concrete processing of action metaphors: Evidence from ERP. Brain Research, 2019, 1714, 202-209.	1.1	26
31	Separate neural systems support representations for actions and objects during narrative speech in post-stroke aphasia. NeuroImage: Clinical, 2016, 10, 140-145.	1.4	24
32	Impaired Comprehension of Speed Verbs in Parkinsonâ€™s Disease. Journal of the International Neuropsychological Society, 2017, 23, 412-420.	1.2	24
33	Effects of semantic neighborhood density in abstract and concrete words. Cognition, 2017, 169, 46-53.	1.1	23
34	Dissociating action and abstract verb comprehension post-stroke. Cortex, 2019, 120, 131-146.	1.1	19
35	The Semantics of Syntax: The Grounding of Transitive and Intransitive Constructions. Journal of Cognitive Neuroscience, 2016, 28, 693-709.	1.1	18
36	Time-Course of Motor Involvement in Literal and Metaphoric Action Sentence Processing: A TMS Study. Frontiers in Psychology, 2019, 10, 371.	1.1	17

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37	The grounding of temporal metaphors. Cortex, 2016, 76, 43-50.	1.1	16
38	Degradation of Praxis Brain Networks and Impaired Comprehension of Manipulable Nouns in Stroke. Journal of Cognitive Neuroscience, 2020, 32, 467-483.	1.1	14
39	Are metaphors embodied? The neural evidence. Psychological Research, 2022, 86, 2417-2433.	1.0	14
40	Word frequency effects in naturalistic reading. Language, Cognition and Neuroscience, 2020, 35, 583-594.	0.7	11
41	Embodied Simulations Are Modulated by Sentential Perspective. Cognitive Science, 2017, 41, 1613-1628.	0.8	9
42	HD-tDCS over motor cortex facilitates figurative and literal action sentence processing. Neuropsychologia, 2021, 159, 107955.	0.7	8
43	A model of Frame and Verb Compliance in language acquisition. Neurocomputing, 2007, 70, 2273-2287.	3.5	7
44	Effects of motion speed in action representations. Brain and Language, 2017, 168, 47-56.	0.8	7
45	Bootstrapping in miniature language acquisition. Cognitive Systems Research, 2002, 3, 15-23.	1.9	6
46	Distinct neural mechanisms underlying conceptual knowledge of manner and instrument verbs. Neuropsychologia, 2019, 133, 107183.	0.7	5
47	Cognitive Neuroscience of Language. , 2021, , 615-642.		3
48	Canonical Sentence Processing and the Inferior Frontal Cortex: Is There a Connection?. Neurobiology of Language (Cambridge, Mass), 2022, 3, 318-344.	1.7	2
49	Access and content of abstract concepts. Physics of Life Reviews, 2019, 29, 166-168.	1.5	1