

# Rutvik H Desai

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

8,272  
citations

186265

28  
h-index

206112

48  
g-index

51  
all docs

51  
docs citations

51  
times ranked

7236  
citing authors

#	ARTICLE	IF	CITATIONS
1	Where Is the Semantic System? A Critical Review and Meta-Analysis of 120 Functional Neuroimaging Studies. <i>Cerebral Cortex</i> , 2009, 19, 2767-2796.	2.9	3,271
2	The neurobiology of semantic memory. <i>Trends in Cognitive Sciences</i> , 2011, 15, 527-536.	7.8	1,564
3	A new method for improving functional-to-structural MRI alignment using local Pearson correlation. <i>NeuroImage</i> , 2009, 44, 839-848.	4.2	368
4	Neural Systems for Reading Aloud: A Multiparametric Approach. <i>Cerebral Cortex</i> , 2010, 20, 1799-1815.	2.9	254
5	The Neural Career of Sensory-motor Metaphors. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 2376-2386.	2.3	223
6	Some neurophysiological constraints on models of word naming. <i>NeuroImage</i> , 2005, 27, 677-693.	4.2	205
7	Toward a brain-based componential semantic representation. <i>Cognitive Neuropsychology</i> , 2016, 33, 130-174.	1.1	201
8	Concept Representation Reflects Multimodal Abstraction: A Framework for Embodied Semantics. <i>Cerebral Cortex</i> , 2016, 26, 2018-2034.	2.9	200
9	Activation of Sensory-Motor Areas in Sentence Comprehension. <i>Cerebral Cortex</i> , 2010, 20, 468-478.	2.9	174
10	A piece of the action: Modulation of sensory-motor regions by action idioms and metaphors. <i>NeuroImage</i> , 2013, 83, 862-869.	4.2	137
11	Parkinson's disease disrupts both automatic and controlled processing of action verbs. <i>Brain and Language</i> , 2013, 127, 65-74.	1.6	134
12	Specialization along the Left Superior Temporal Sulcus for Auditory Categorization. <i>Cerebral Cortex</i> , 2010, 20, 2958-2970.	2.9	130
13	Volumetric vs. surface-based alignment for localization of auditory cortex activation. <i>NeuroImage</i> , 2005, 26, 1019-1029.	4.2	110
14	Left Posterior Temporal Regions are Sensitive to Auditory Categorization. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 1174-1188.	2.3	109
15	Where is the action? Action sentence processing in Parkinson's disease. <i>Neuropsychologia</i> , 2013, 51, 1510-1517.	1.6	109
16	Neural correlates of implicit and explicit combinatorial semantic processing. <i>NeuroImage</i> , 2010, 53, 638-646.	4.2	105
17	fMRI of Past Tense Processing: The Effects of Phonological Complexity and Task Difficulty. <i>Journal of Cognitive Neuroscience</i> , 2006, 18, 278-297.	2.3	91
18	Attentional and linguistic interactions in speech perception. <i>NeuroImage</i> , 2008, 39, 1444-1456.	4.2	80

#	ARTICLE	IF	CITATIONS
19	The Role of Left Occipitotemporal Cortex in Reading: Reconciling Stimulus, Task, and Lexicality Effects. <i>Cerebral Cortex</i> , 2013, 23, 988-1001.	2.9	77
20	The multifaceted abstract brain. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170122.	4.0	71
21	Neural correlates of fixation duration in natural reading: Evidence from fixation-related fMRI. <i>NeuroImage</i> , 2015, 119, 390-397.	4.2	63
22	The neural substrates of natural reading: a comparison of normal and nonword text using eye-tracking and fMRI. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 1024.	2.0	61
23	Toward Semantics in the Wild: Activation to Manipulable Nouns in Naturalistic Reading. <i>Journal of Neuroscience</i> , 2016, 36, 4050-4055.	3.6	51
24	The functional organization of the left STS: a large scale meta-analysis of PET and fMRI studies of healthy adults. <i>Frontiers in Neuroscience</i> , 2014, 8, 289.	2.8	46
25	Concepts within reach: Action performance predicts action language processing in stroke. <i>Neuropsychologia</i> , 2015, 71, 217-224.	1.6	43
26	fMRI of Past Tense Processing: The Effects of Phonological Complexity and Task Difficulty. <i>Journal of Cognitive Neuroscience</i> , 2006, 18, 278-297.	2.3	39
27	Anatomy is strategy: Skilled reading differences associated with structural connectivity differences in the reading network. <i>Brain and Language</i> , 2014, 133, 1-13.	1.6	36
28	Familiarity differentially affects right hemisphere contributions to processing metaphors and literals. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 44.	2.0	36
29	Resting state signatures of domain and demand-specific working memory performance. <i>NeuroImage</i> , 2015, 118, 174-182.	4.2	27
30	Concrete processing of action metaphors: Evidence from ERP. <i>Brain Research</i> , 2019, 1714, 202-209.	2.2	26
31	Separate neural systems support representations for actions and objects during narrative speech in post-stroke aphasia. <i>NeuroImage: Clinical</i> , 2016, 10, 140-145.	2.7	24
32	Impaired Comprehension of Speed Verbs in Parkinson's Disease. <i>Journal of the International Neuropsychological Society</i> , 2017, 23, 412-420.	1.8	24
33	Effects of semantic neighborhood density in abstract and concrete words. <i>Cognition</i> , 2017, 169, 46-53.	2.2	23
34	Dissociating action and abstract verb comprehension post-stroke. <i>Cortex</i> , 2019, 120, 131-146.	2.4	19
35	The Semantics of Syntax: The Grounding of Transitive and Intransitive Constructions. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 693-709.	2.3	18
36	Time-Course of Motor Involvement in Literal and Metaphoric Action Sentence Processing: A TMS Study. <i>Frontiers in Psychology</i> , 2019, 10, 371.	2.1	17

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37	The grounding of temporal metaphors. <i>Cortex</i> , 2016, 76, 43-50.	2.4	16
38	Degradation of Praxis Brain Networks and Impaired Comprehension of Manipulable Nouns in Stroke. <i>Journal of Cognitive Neuroscience</i> , 2020, 32, 467-483.	2.3	14
39	Are metaphors embodied? The neural evidence. <i>Psychological Research</i> , 2022, 86, 2417-2433.	1.7	14
40	Word frequency effects in naturalistic reading. <i>Language, Cognition and Neuroscience</i> , 2020, 35, 583-594.	1.2	11
41	Embodied Simulations Are Modulated by Sentential Perspective. <i>Cognitive Science</i> , 2017, 41, 1613-1628.	1.7	9
42	HD-tDCS over motor cortex facilitates figurative and literal action sentence processing. <i>Neuropsychologia</i> , 2021, 159, 107955.	1.6	8
43	A model of Frame and Verb Compliance in language acquisition. <i>Neurocomputing</i> , 2007, 70, 2273-2287.	5.9	7
44	Effects of motion speed in action representations. <i>Brain and Language</i> , 2017, 168, 47-56.	1.6	7
45	Bootstrapping in miniature language acquisition. <i>Cognitive Systems Research</i> , 2002, 3, 15-23.	2.7	6
46	Distinct neural mechanisms underlying conceptual knowledge of manner and instrument verbs. <i>Neuropsychologia</i> , 2019, 133, 107183.	1.6	5
47	Cognitive Neuroscience of Language. , 2021, , 615-642.		3
48	Canonical Sentence Processing and the Inferior Frontal Cortex: Is There a Connection?. <i>Neurobiology of Language (Cambridge, Mass )</i> , 2022, 3, 318-344.	3.1	2
49	Access and content of abstract concepts. <i>Physics of Life Reviews</i> , 2019, 29, 166-168.	2.8	1