

# Carlo Semenza

## List of Publications by Year in descending order

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Version: 2024-02-01

148  
papers

3,221  
citations

168829

31  
h-index

214428

50  
g-index

152  
all docs

152  
docs citations

152  
times ranked

2522  
citing authors

#	ARTICLE	IF	CITATIONS
1	The interactive support of cognitive reserve and semantic knowledge in proper name retrieval. <i>Language, Cognition and Neuroscience</i> , 2023, 38, 77-87.	0.7	1
2	Numerical activities of daily living: a short version. <i>Neurological Sciences</i> , 2022, 43, 967-978.	0.9	5
3	Numbers, Calculation and Acalculia. , 2022, , 510-519.		0
4	A common neural substrate for number comparison, hand reaching and grasping: A SDM-PSI meta-analysis of neuroimaging studies. <i>Cortex</i> , 2022, 148, 31-67.	1.1	8
5	Dyscalculia in Early Adulthood: Implications for Numerical Activities of Daily Living. <i>Brain Sciences</i> , 2022, 12, 373.	1.1	6
6	Editorial: Bridging Cognitive Neuroscience and Neurosurgery for Effective Brain Mapping. <i>Frontiers in Human Neuroscience</i> , 2022, 16, 899341.	1.0	0
7	Cognitive profiles and clinical factors in type III spinal muscular atrophy: a preliminary study. <i>Neuromuscular Disorders</i> , 2022, 32, 672-677.	0.3	5
8	Arithmetic (Re-)Learning in Neurological Patients. <i>Lernen Und Lernstörungen</i> , 2022, 11, .	0.0	1
9	Neurocognitive correlates of numerical abilities in Parkinson's disease. <i>Neurological Sciences</i> , 2022, 43, 5313-5322.	0.9	1
10	Two dissociable semantic mechanisms predict naming errors and their responsive brain sites in awake surgery. <i>DO80 revisited. Neuropsychologia</i> , 2021, 151, 107727.	0.7	3
11	Neurofunctional Components of Simple Calculation: A Magnetoencephalography Study. <i>Cerebral Cortex</i> , 2021, 31, 1149-1162.	1.6	5
12	Neurocognitive assessment and DNA sequencing expand the phenotype and genotype spectrum of Alström syndrome. <i>American Journal of Medical Genetics, Part A</i> , 2021, 185, 732-742.	0.7	5
13	Aphasia and Math: Deficits with Basic Number Comprehension and in Numerical Activities of Daily Living. <i>Journal of the International Neuropsychological Society</i> , 2021, 27, 939-951.	1.2	3
14	Numerical Activities of Daily Living "Financial": a short version. <i>Neurological Sciences</i> , 2021, 42, 4183-4191.	0.9	5
15	Predicting financial deficits from a standard neuropsychological assessment: preliminary evidence in mild cognitive impairment. <i>Neurological Sciences</i> , 2021, , 1.	0.9	2
16	Chapter 8. Word formation in the brain. <i>Current Issues in Linguistic Theory</i> , 2021, , 127-146.	0.1	0
17	Rule Perseveration during Task-Switching in Brain Tumor: A Severe Form of Task-Setting Impairment. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 1766-1783.	1.1	2
18	Progressive macrographia for block letter writing: A case study. <i>Cortex</i> , 2021, 144, 56-69.	1.1	0

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19	Aberrant brain network connectivity in presymptomatic and manifest Huntington's disease: A systematic review. <i>Human Brain Mapping</i> , 2020, 41, 256-269.	1.9	50
20	False memories in relapsing remitting multiple sclerosis patients: A preliminary investigation with the DRM paradigm. <i>Multiple Sclerosis and Related Disorders</i> , 2020, 37, 101418.	0.9	0
21	Pragmatics and figurative language in individuals with traumatic brain injury: fine-grained assessment and relevance-theoretic considerations. <i>Aphasiology</i> , 2020, 34, 1070-1100.	1.4	17
22	Focal left prefrontal lesions and cognitive impairment: A multivariate lesion-symptom mapping approach. <i>Neuropsychologia</i> , 2020, 136, 107253.	0.7	9
23	The Role of Motor System in Mental Rotation: New Insights from Myotonic Dystrophy Type 1. <i>Journal of the International Neuropsychological Society</i> , 2020, 26, 492-502.	1.2	3
24	Quality of sleep predicts increased frontoparietal network connectivity in patients with mild cognitive impairment. <i>Neurobiology of Aging</i> , 2020, 95, 205-213.	1.5	15
25	Sleep-dependent association between atrophy and functional connectivity in mild cognitive impairment. <i>Alzheimer's and Dementia</i> , 2020, 16, e040387.	0.4	0
26	Self-reported quality of sleep is related to frontoparietal network connectivity in mild cognitive impairment. <i>Alzheimer's and Dementia</i> , 2020, 16, e041835.	0.4	0
27	Editorial: Language and Mild Cognitive Impairment. <i>Frontiers in Psychology</i> , 2020, 11, 2264.	1.1	2
28	Derivational Morphology in Agrammatic Aphasia: A Comparison Between Prefixed and Suffixed Words. <i>Frontiers in Psychology</i> , 2020, 11, 1070.	1.1	1
29	Recognition of emotions conveyed by facial expression and body postures in myotonic dystrophy (DM). <i>Cortex</i> , 2020, 127, 58-66.	1.1	19
30	The role of limbic structures in financial abilities of mild cognitive impairment patients. <i>NeuroImage: Clinical</i> , 2020, 26, 102222.	1.4	13
31	The left periphery in neglect dyslexia. <i>Aphasiology</i> , 2020, 34, 1101-1110.	1.4	4
32	Phonological Disorders in Aphasia. , 2020, , 195-214.		0
33	Lexical-Semantic Disorders in Aphasia. , 2020, , 215-244.		0
34	Characteristics and progression of cognitive deficits in progressive supranuclear palsy vs. multiple system atrophy and Parkinson's disease. <i>Journal of Neural Transmission</i> , 2019, 126, 1437-1445.	1.4	25
35	Mathematical skills in children with pilocytic astrocytoma. <i>Acta Neurochirurgica</i> , 2019, 161, 161-169.	0.9	8
36	One can be some but some cannot be one: ERP correlates of numerosity incongruence are different for singular and plural. <i>Cortex</i> , 2019, 116, 104-121.	1.1	11

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37	Numerical Activities of Daily Living – Financial (NADL-F): A tool for the assessment of financial capacities. <i>Neuropsychological Rehabilitation</i> , 2019, 29, 1062-1084.	1.0	18
38	Time reference in nonfluent and fluent aphasia: a cross-linguistic test of the PAST Discourse Linking Hypothesis. <i>Clinical Linguistics and Phonetics</i> , 2018, 32, 823-843.	0.5	11
39	Reassessing lateralization in calculation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170044.	1.8	17
40	Morphosyntactic production in Greek- and Italian-speaking individuals with probable Alzheimer’s disease: evidence from subject-verb agreement, tense/time reference, and mood. <i>Aphasiology</i> , 2018, 32, 61-87.	1.4	17
41	Number line estimation and complex mental calculation: Is there a shared cognitive process driving the two tasks?. <i>Cognitive Processing</i> , 2018, 19, 495-504.	0.7	2
42	General Slowing and Education Mediate Task Switching Performance Across the Life-Span. <i>Frontiers in Psychology</i> , 2018, 9, 630.	1.1	5
43	Cognitive Training Improves Ratio Processing and Decision Making in Patients with Mild Cognitive Impairment. <i>Journal of Alzheimer’s Disease</i> , 2018, 64, 1213-1226.	1.2	19
44	Proper name retrieval in cognitive decline. <i>Mental Lexicon</i> , 2018, 13, 215-229.	0.2	10
45	Causal role of the posterior parietal cortex for two-digit mental subtraction and addition: A repetitive TMS study. <i>NeuroImage</i> , 2017, 155, 72-81.	2.1	22
46	The role of dorsal premotor cortex in mental rotation: A transcranial magnetic stimulation study. <i>Brain and Cognition</i> , 2017, 116, 71-78.	0.8	18
47	Re-assessing acalculia: Distinguishing spatial and purely arithmetical deficits in right-hemisphere damaged patients. <i>Cortex</i> , 2017, 88, 151-164.	1.1	21
48	Specific Verbal Memory Measures May Distinguish Alzheimer’s Disease from Dementia with Lewy Bodies. <i>Journal of Alzheimer’s Disease</i> , 2017, 59, 1009-1015.	1.2	12
49	Structural hemispheric asymmetries underlie verbal Stroop performance. <i>Behavioural Brain Research</i> , 2017, 335, 167-173.	1.2	6
50	Numerical activities of daily living in adults with neurofibromatosis type 1. <i>Journal of Intellectual Disability Research</i> , 2017, 61, 1069-1077.	1.2	10
51	Supplementary motor area as key structure for domain-general sequence processing: A unified account. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 72, 28-42.	2.9	150
52	TMS of supplementary motor area (SMA) facilitates mental rotation performance: Evidence for sequence processing in SMA. <i>NeuroImage</i> , 2017, 146, 770-777.	2.1	45
53	The Relationship between Cognitive Reserve and Math Abilities. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 429.	1.7	34
54	Numerical Activities and Information Learned at Home Link to the Exact Numeracy Skills in 5-6 Years-Old Children. <i>Frontiers in Psychology</i> , 2016, 7, 94.	1.1	43

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55	Testing the episodic buffer: a pilot study of the psychoanalyst's mind at work. <i>Neuropsychanalysis</i> , 2016, 18, 45-51.	0.1	0
56	Zero in the brain: A voxel-based lesionâ€“symptom mapping study in right hemisphere damaged patients. <i>Cortex</i> , 2016, 77, 38-53.	1.1	18
57	Functional mapping of left parietal areas involved in simple addition and multiplication. A singleâ€“case study of qualitative analysis of errors. <i>Journal of Neuropsychology</i> , 2015, 9, 330-335.	0.6	9
58	Proper and Common Names: Impairments of Anomia. , 2015, , 147-152.		1
59	122. Word-formation in aphasia. , 2015, , 2154-2177.		2
60	Subcortical mapping of calculation processing in the right parietal lobe. <i>Journal of Neurosurgery</i> , 2015, 122, 1038-1041.	0.9	23
61	Anatomical substrates and neurocognitive predictors of daily numerical abilities in mild cognitive impairment. <i>Cortex</i> , 2015, 71, 58-67.	1.1	28
62	A new clinical tool for assessing numerical abilities in neurological diseases: numerical activities of daily living. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 112.	1.7	34
63	Right-hemisphere (spatial?) acalculia and the influence of neglect. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 644.	1.0	10
64	Combining words in the brain: The processing of compound words. Introduction to the special issue. <i>Cognitive Neuropsychology</i> , 2014, 31, 1-7.	0.4	15
65	Word structure and decomposition effects in reading. <i>Cognitive Neuropsychology</i> , 2014, 31, 184-218.	0.4	8
66	Cultural modulations of spaceâ€“time compatibility effects. <i>Psychonomic Bulletin and Review</i> , 2014, 21, 666-669.	1.4	41
67	Mapping the Brain for Math. , 2014, , .		3
68	Right parietal cortex and calculation processing: intraoperative functional mapping of multiplication and addition in patients affected by a brain tumor. <i>Journal of Neurosurgery</i> , 2013, 119, 1107-1111.	0.9	40
69	Specific numerical processing impairment in ALS patients. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2013, 14, 6-12.	1.1	8
70	Meeting an â€œimpossible challengeâ€“in semantic dementia: Outstanding performance in numerical Sudoku and quantitative number knowledge.. <i>Neuropsychology</i> , 2013, 27, 680-690.	1.0	11
71	Persistent cortical deafness: A voxel-based morphometry and tractography study.. <i>Neuropsychology</i> , 2012, 26, 675-683.	1.0	14
72	Genetics and mathematics: FMR1 premutation female carriers. <i>Neuropsychologia</i> , 2012, 50, 3757-3763.	0.7	19

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73	Selective IGT decision-making impairment in a patient with juvenile Parkinson's disease and pathological gambling: A role for dopaminergic therapy?. <i>Neurocase</i> , 2012, 18, 503-513.	0.2	5
74	Single pulse TMS induced disruption to right and left parietal cortex on addition and multiplication. <i>NeuroImage</i> , 2012, 59, 3159-3165.	2.1	38
75	Preservation of Auditory P300-Like Potentials in Cortical Deafness. <i>PLoS ONE</i> , 2012, 7, e29909.	1.1	18
76	Is "Hit and Run" a Single Word? The Processing of Irreversible Binomials in Neglect Dyslexia. <i>Frontiers in Psychology</i> , 2012, 3, 11.	1.1	26
77	Allographic Agraphia for Single letters. <i>Behavioural Neurology</i> , 2012, 25, 233-244.	1.1	5
78	Lexical and Buffer Effects in Reading and in Writing Noun-Noun Compound Nouns. <i>Behavioural Neurology</i> , 2012, 25, 245-253.	1.1	3
79	Covert reading of letters in a case of global alexia. <i>Brain and Language</i> , 2012, 120, 217-225.	0.8	6
80	Compounds in different aphasia categories: A study on picture naming. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2011, 33, 1099-1107.	0.8	18
81	Language-specific effects in Alzheimer's disease: Subject omission in Italian and English. <i>Journal of Neurolinguistics</i> , 2011, 24, 25-40.	0.5	12
82	When two and too don't go together: A selective phonological deficit sparing number words. <i>Cortex</i> , 2011, 47, 1052-1062.	1.1	17
83	Reading compounds in neglect dyslexia: The headedness effect. <i>Neuropsychologia</i> , 2011, 49, 3116-3120.	0.7	17
84	On the dependency of division on multiplication: Selective loss for conceptual knowledge of multiplication. <i>Neuropsychologia</i> , 2011, 49, 3629-3635.	0.7	8
85	On nouns, verbs, lexemes, and lemmas: Evidence from the spontaneous speech of seven aphasic patients. <i>Aphasiology</i> , 2011, 25, 71-92.	1.4	24
86	Naming with proper names: the left temporal pole theory. <i>Behavioural Neurology</i> , 2011, 24, 277-84.	1.1	29
87	Irreversible Binomials: Evidence from Neglect Dyslexia. <i>Procedia, Social and Behavioral Sciences</i> , 2010, 6, 20-21.	0.5	2
88	The processing of compounds in bilingual aphasia: A multiple-case study. <i>Aphasiology</i> , 2010, 24, 126-140.	1.4	19
89	Motion on Numbers: Transcranial Magnetic Stimulation on the Ventral Intraparietal Sulcus Alters Both Numerical and Motion Processes. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 2129-2138.	1.1	18
90	The Neuropsychology of Proper Names. <i>Mind and Language</i> , 2009, 24, 347-369.	1.2	65

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91	The role of working memory in the association between number magnitude and space. <i>Acta Psychologica</i> , 2008, 128, 225-237.	0.7	100
92	Neural correlates of Italian nominal compounds and potential impact of headedness effect: An ERP study. <i>Cognitive Neuropsychology</i> , 2008, 25, 559-581.	0.4	49
93	Allographic agraphia: A case study. <i>Cortex</i> , 2008, 44, 861-868.	1.1	29
94	Genetics and mathematics: Evidence from Prader-Willi syndrome. <i>Neuropsychologia</i> , 2008, 46, 206-212.	0.7	20
95	Number Processing. , 2008, , 219-227.		11
96	Naming compounds in Alzheimer's disease. <i>Mental Lexicon</i> , 2007, 2, 259-269.	0.2	15
97	Alzheimer's disease and mild cognitive impairment: Effects of shifting and interference in simple arithmetic. <i>Journal of the Neurological Sciences</i> , 2007, 263, 79-88.	0.3	29
98	Why Should We Care About "Fluent Aphasia"? The Importance of Studying Connected Speech in Aphasiology. <i>Journal of the International Neuropsychological Society</i> , 2007, 13, .	1.2	0
99	The processing of compounds in bilingual aphasia. <i>Brain and Language</i> , 2007, 103, 22-23.	0.8	5
100	Noun compounds in the access to the phonological output buffer. <i>Brain and Language</i> , 2007, 103, 57-58.	0.8	1
101	A dedicated neural mechanism for vowel selection: A case of relative vowel deficit sparing the number lexicon. <i>Neuropsychologia</i> , 2007, 45, 425-430.	0.7	14
102	On knowing about nothing: The processing of zero in single- and multi-digit multiplication. <i>Aphasiology</i> , 2006, 20, 1105-1111.	1.4	13
103	Retrieval Pathways for Common and Proper Names. <i>Cortex</i> , 2006, 42, 884-891.	1.1	86
104	Is math lateralised on the same side as language? Right hemisphere aphasia and mathematical abilities. <i>Neuroscience Letters</i> , 2006, 406, 285-288.	1.0	29
105	Living, non-living and other things. What can be learned nowadays from category-specific deficits?. <i>Journal of the International Neuropsychological Society</i> , 2006, 12, 272-274.	1.2	1
106	Vision-for-perception and vision-for-action in typical development, autism, and Parkinson's disease. <i>Cognitive Processing</i> , 2006, 7, 40-43.	0.7	4
107	Acalculia from a right hemisphere lesion. <i>Neuropsychologia</i> , 2006, 44, 2972-2986.	0.7	36
108	Mental representation of prepositional compounds: Evidence from Italian agrammatic patients. <i>Brain and Language</i> , 2005, 94, 178-187.	0.8	18

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109	Deficient arithmetic fact retrieval—storage or access problem? A case study. <i>Neuropsychologia</i> , 2004, 42, 482-496.	0.7	77
110	The mental representation of Verb—Noun compounds in Italian: Evidence from a multiple single-case study in aphasia. <i>Brain and Language</i> , 2004, 90, 470-477.	0.8	38
111	Unconscious How? Concluding Remarks to the New York Meeting on the “Unconscious in Cognitive Neuroscience and Psychoanalysis”. <i>Neuropsychoanalysis</i> , 2004, 6, 87-90.	0.1	2
112	Transcoding zeros within complex numerals. <i>Neuropsychologia</i> , 2003, 41, 1611-1618.	0.7	17
113	He can tell which master craftsman blew a Venetian vase, but he can not name the Pope: a patient with a selective difficulty in naming faces. <i>Neuroscience Letters</i> , 2003, 352, 73-75.	1.0	19
114	Verbal Free Recall in High Altitude: Proper Names vs Common Names. <i>Cortex</i> , 2003, 39, 97-103.	1.1	52
115	Proper Names and Noun-to-Determiner Movement in Aphasia: A Case Study. <i>Brain and Cognition</i> , 2002, 48, 542-545.	0.8	4
116	Derivation by Prefixation in Slovenian: Two Aphasia Case Studies. <i>Brain and Language</i> , 2002, 81, 242-249.	0.8	8
117	Why Is “Red Cross” Different from “Yellow Cross”? A Neuropsychological Study of Noun—Adjective Agreement within Italian Compounds. <i>Brain and Language</i> , 2002, 81, 621-634.	0.8	32
118	Conceptual Knowledge in Arithmetic: The Core of Calculation Skills. <i>Cortex</i> , 2002, 38, 285-288.	1.1	10
119	Lexical Representation and Processing of Morphologically Complex Words: Evidence from the Reading Performance of an Italian Agrammatic Patient. <i>Brain and Language</i> , 2001, 79, 345-359.	0.8	54
120	Proper Names and Movement to the Determiner Position: A Neurolinguistic Study on Alzheimer Patients. <i>Cortex</i> , 2001, 37, 734-736.	1.1	5
121	Psychoanalysis and Cognitive Neuropsychology: Theoretical and Methodological Affinities. <i>Neuropsychoanalysis</i> , 2001, 3, 3-10.	0.1	13
122	Response to Commentaries by Carlo Semenza (Trieste). <i>Neuropsychoanalysis</i> , 2001, 3, 38-45.	0.1	0
123	ERP indexes of functional differences in brain activation during proper and common names retrieval. <i>Neuropsychologia</i> , 2001, 39, 815-827.	0.7	54
124	Lemma theory and aphasiology. <i>Behavioral and Brain Sciences</i> , 1999, 22, 56-56.	0.4	1
125	Numerical skills and aphasia. <i>Journal of the International Neuropsychological Society</i> , 1999, 5, 213-221.	1.2	65
126	The Processing of Compound Words: A Study in Aphasia. <i>Brain and Language</i> , 1998, 61, 54-62.	0.8	72



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127	Names and identification: An access problem. <i>Neurocase</i> , 1998, 4, 45-53.	0.2	40
128	Names and Identification: An Access Problem. <i>Neurocase</i> , 1998, 4, 45-53.	0.2	10
129	Morphological representation of compound nouns: A study on Italian aphasic patients. <i>Journal of Neurolinguistics</i> , 1997, 10, 33-43.	0.5	76
130	The anatomical basis of proper name processing. A critical review. <i>Neurocase</i> , 1995, 1, 183-188.	0.2	56
131	The Anatomical Basis of Proper Name Processing. A Critical Review. <i>Neurocase</i> , 1995, 1, 183-188.	0.2	4
132	Naming by German compounds. <i>Journal of Neurolinguistics</i> , 1994, 8, 27-41.	0.5	61
133	Production of proper names: A clinical case study of the effects of phonemic cueing. <i>Memory</i> , 1993, 1, 265-280.	0.9	58
134	Naming disorders and semantic representations. <i>Journal of Psycholinguistic Research</i> , 1992, 21, 349-364.	0.7	50
135	Derivational Rules in Aphasia. <i>Proceedings of the Annual Meeting of the Berkeley Linguistics Society</i> , 1992, 18, 435.	0.0	3
136	Word formation: New evidence from aphasia. <i>Neuropsychologia</i> , 1990, 28, 499-502.	0.7	35
137	Paragrammatisms: A longitudinal study of an Italian patient. <i>Language and Cognitive Processes</i> , 1990, 5, 115-140.	2.3	20
138	Evidence from aphasia for the role of proper names as pure referring expressions. <i>Nature</i> , 1989, 342, 678-679.	13.7	280
139	Generating proper names: A case of selective inability. <i>Cognitive Neuropsychology</i> , 1988, 5, 711-721.	0.4	187
140	Selective deficit of conceptual structures in aphasia: Class versus thematic relations. <i>Brain and Language</i> , 1980, 10, 243-248.	0.8	49
141	PROPER NAMES IN AGING: RELATIONSHIP WITH COGNITIVE RESERVE. <i>Frontiers in Human Neuroscience</i> , 0, 11, .	1.0	0
142	Referential numerosity in quantification expressions. An ERP study on Italian.. <i>Frontiers in Human Neuroscience</i> , 0, 11, .	1.0	0
143	Topic and Focus: Effect of the activation of the Left Periphery in Neglect Dyslexia.. <i>Frontiers in Human Neuroscience</i> , 0, 12, .	1.0	0
144	Retrieval of semantic knowledge in language pre-surgical mapping. A MEG study.. <i>Frontiers in Human Neuroscience</i> , 0, 13, .	1.0	0

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145	The neuro-anatomical bases for the advantage of left periphery in neglect dyslexia. <i>Frontiers in Human Neuroscience</i> , 0, 13, .	1.0	0
146	Sleep disorders and cognitive dysfunction in acromegaly. <i>Endocrine Abstracts</i> , 0, , .	0.0	0
147	A new neurocognitive phenotype in Alstrom syndrome. <i>Endocrine Abstracts</i> , 0, , .	0.0	0
148	Corrective Repetition of Ungrammatical Gender Agreement Stimuli: A Transcortical Sensory Aphasia Single Case Study. <i>Aphasiology</i> , 0, , 1-14.	1.4	0