Patricia A Reuter-Lorenz

List of Publications by Year
in descending order

130	16,241	34105 52	18647 119
papers	citations	h-index	g-index

148	148	148	14282
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Adaptive Brain: Aging and Neurocognitive Scaffolding. Annual Review of Psychology, 2009, 60, 173-196.	17.7	2,045
2	Neurocognitive Aging and the Compensation Hypothesis. Current Directions in Psychological Science, 2008, 17, 177-182.	5.3	1,207
3	Harnessing neuroplasticity for clinical applications. Brain, 2011, 134, 1591-1609.	7.6	907
4	Age Differences in the Frontal Lateralization of Verbal and Spatial Working Memory Revealed by PET. Journal of Cognitive Neuroscience, 2000, 12, 174-187.	2.3	848
5	Maintenance, reserve and compensation: the cognitive neuroscience of healthy ageing. Nature Reviews Neuroscience, 2018, 19, 701-710.	10.2	691
6	How Does it STAC Up? Revisiting the Scaffolding Theory of Aging and Cognition. Neuropsychology Review, 2014, 24, 355-370.	4.9	643
7	Variability in the analysis of a single neuroimaging dataset by many teams. Nature, 2020, 582, 84-88.	27.8	634
8	Aging, Training, and the Brain: A Review and Future Directions. Neuropsychology Review, 2009, 19, 504-522.	4.9	567
9	The Role of Parietal Cortex in Verbal Working Memory. Journal of Neuroscience, 1998, 18, 5026-5034.	3.6	556
10	Brain aging: reorganizing discoveries about the aging mind. Current Opinion in Neurobiology, 2005, 15, 245-251.	4.2	465
11	New visions of the aging mind and brain. Trends in Cognitive Sciences, 2002, 6, 394-400.	7.8	409
12	Age differences in prefontal recruitment during verbal working memory maintenance depend on memory load. Cortex, 2010, 46, 462-473.	2.4	333
13	Human Neuroscience and the Aging Mind: A New Look at Old Problems. Journals of Gerontology - Series B Psychological Sciences and Social Sciences, 2010, 65B, 405-415.	3.9	328
14	The reduction of saccadic latency by prior offset of the fixation point: An analysis of the gap effect. Perception & Psychophysics, 1991, 49, 167-175.	2.3	323
15	Age Differences in Deactivation: A Link to Cognitive Control?. Journal of Cognitive Neuroscience, 2007, 19, 1021-1032.	2.3	294
16	Differential contributions of the two cerebral hemispheres to the perception of happy and sad faces. Neuropsychologia, 1981, 19, 609-613.	1.6	280
17	Hemispheric control of spatial attention. Brain and Cognition, 1990, 12, 240-266.	1.8	274
18	Contributions of Spatial Working Memory to Visuomotor Learning. Journal of Cognitive Neuroscience, 2010, 22, 1917-1930.	2.3	247

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19	Divergent trajectories in the aging mind: Changes in working memory for affective versus visual information with age.. Psychology and Aging, 2005, 20, 542-553.	1.6	232
20	Age Differences in Behavior and PET Activation Reveal Differences in Interference Resolution in Verbal Working Memory. Journal of Cognitive Neuroscience, 2000, 12, 188-196.	2.3	204
21	What is a representative brain? Neuroscience meets population science. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17615-17622.	7.1	198
22	Dissociable neural mechanisms underlying response-based and familiarity-based conflict in working memory. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11171-11175.	7.1	192
23	Neural Recruitment and Cognitive Aging: Two Hemispheres Are Better Than One, Especially as You Age. Psychological Science, 1999, 10, 494-500.	3.3	186
24	What is inhibited in inhibition of return.. Journal of Experimental Psychology: Human Perception and Performance, 1996, 22, 367-378.	0.9	176
25	Components of neglect from right-hemisphere damage: An analysis of line bisection. Neuropsychologia, 1990, 28, 327-333.	1.6	159
26	Failure to Engage Spatial Working Memory Contributes to Age-related Declines in Visuomotor Learning. Journal of Cognitive Neuroscience, 2011, 23, 11-25.	2.3	150
27	Prechemotherapy alterations in brain function in women with breast cancer. Journal of Clinical and Experimental Neuropsychology, 2010, 32, 324-331.	1.3	141
28	Selection requirements during verb generation: differential recruitment in older and younger adults. NeuroImage, 2004, 23, 1382-1390.	4.2	129
29	The effects of working memory resource depletion and training on sensorimotor adaptation. Behavioural Brain Research, 2012, 228, 107-115.	2.2	103
30	Age trajectories of functional activation under conditions of low and high processing demands: An adult lifespan fMRI study of the aging brain. NeuroImage, 2015, 104, 21-34.	4.2	97
31	Age Differences in the Neural Representation of Working Memory Revealed by Multi-Voxel Pattern Analysis. Frontiers in Human Neuroscience, 2010, 4, 217.	2.0	95
32	Gaining Control: Training Executive Function and Far Transfer of the Ability to Resolve Interference [retracted]. Psychological Science, 2008, 19, 881-888.	3.3	92
33	Cognitive fatigue of executive processes: Interaction between interference resolution tasks. Neuropsychologia, 2007, 45, 1571-1579.	1.6	91
34	A prelexical basis for letter-by-letter reading: A case study. Cognitive Neuropsychology, 1990, 7, 1-20.	1.1	88
35	Bimanual coordination and aging: Neurobehavioral implications. Neuropsychologia, 2010, 48, 1165-1170.	1.6	86
36	Differential Callosal Contributions to Bimanual Control in Young and Older Adults. Journal of Cognitive Neuroscience, 2011, 23, 2171-2185.	2.3	86

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37	Mapping interference resolution across task domains: A shared control process in left inferior frontal gyrus. Brain Research, 2009, 1256, 92-100.	2.2	81
38	Study protocol to examine the effects of spaceflight and a spaceflight analog on neurocognitive performance: extent, longevity, and neural bases. BMC Neurology, 2013, 13, 205.	1.8	77
39	Modes of Lexical Access in the Callosotomized Brain. Journal of Cognitive Neuroscience, 1992, 4, 155-164.	2.3	76
40	Brain plasticity and sensorimotor deterioration as a function of 70 days head down tilt bed rest. PLoS ONE, 2017, 12, e0182236.	2.5	75
41	Fixation-point offsets reduce the latency of saccades to acoustic targets. Perception & Psychophysics, 1991, 50, 383-387.	2.3	70
42	Differential Effects of Aging on the Functions of the Corpus Callosum. Developmental Neuropsychology, 2000, 18, 113-137.	1.4	69
43	Exploring the motivational brain: effects of implicit power motivation on brain activation in response to facial expressions of emotion. Social Cognitive and Affective Neuroscience, 2008, 3, 333-343.	3.0	64
44	The suppression of scale-free fMRI brain dynamics across three different sources of effort: aging, task novelty and task difficulty. Scientific Reports, 2016, 6, 30895.	3.3	64
45	Pretreatment worry and neurocognitive responses in women with breast cancer.. Health Psychology, 2014, 33, 222-231.	1.6	62
46	Emotion and working memory: Evidence for domain-specific processes for affective maintenance.. Emotion, 2008, 8, 256-266.	1.8	61
47	Neural mechanisms of semantic interference and false recognition in short-term memory. NeuroImage, 2011, 56, 1726-1734.	4.2	61
48	Cognitive function and breast cancer: promise and potential insights from functional brain imaging. Breast Cancer Research and Treatment, 2013, 137, 33-43.	2.5	61
49	Effects of a spaceflight analog environment on brain connectivity and behavior. NeuroImage, 2016, 141, 18-30.	4.2	58
50	Cognitive dysfunction and symptom burden in women treated for breast cancer: a prospective behavioral and fMRI analysis. Brain Imaging and Behavior, 2017, 11, 86-97.	2.1	58
51	Vertical orienting control: Evidence for attentional bias and "neglect" in the intact brain.. Journal of Experimental Psychology: General, 1996, 125, 139-158.	2.1	57
52	False working memories? Semantic distortion in a mere 4 seconds. Memory and Cognition, 2008, 36, 74-81.	1.6	57
53	Neurocognitive ageing of storage and executive processes. European Journal of Cognitive Psychology, 2001, 13, 257-278.	1.3	56
54	Neuromarkers of fatigue and cognitive complaints following chemotherapy for breast cancer: a prospective fMRI investigation. Breast Cancer Research and Treatment, 2014, 147, 445-455.	2.5	56

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55	Aging and Network Properties: Stability Over Time and Links with Learning during Working Memory Training. Frontiers in Aging Neuroscience, 2017, 9, 419.	3.4	54
56	Unilateral Visual Cueing and Asymmetric Line Geometry Share a Common Attentional Origin in the Modulation of Pseudoneglect. Cortex, 2005, 41, 499-511.	2.4	48
57	Imaging Fatigue of Interference Control Reveals the Neural Basis of Executive Resource Depletion. Journal of Cognitive Neuroscience, 2013, 25, 338-351.	2.3	46
58	Increased Brain Activation for Dual Tasking with 70-Days Head-Down Bed Rest. Frontiers in Systems Neuroscience, 2016, 10, 71.	2.5	46
59	What is inhibited in inhibition of return.. Journal of Experimental Psychology: Human Perception and Performance, 1996, 22, 367-378.	0.9	46
60	The Functional Connectivity Landscape of the Human Brain. PLoS ONE, 2014, 9, e111007.	2.5	44
61	Verbal and Spatial Working Memory in Humans. Psychology of Learning and Motivation - Advances in Research and Theory, 1996, 35, 43-88.	1.1	43
62	Vestibular brain changes within 70 days of head down bed rest. Human Brain Mapping, 2018, 39, 2753-2763.	3.6	43
63	Dissecting the clock: Understanding the mechanisms of timing across tasks and temporal intervals. Acta Psychologica, 2011, 136, 20-34.	1.5	41
64	Exercise as potential countermeasure for the effects of 70 days of bed rest on cognitive and sensorimotor performance. Frontiers in Systems Neuroscience, 2015, 9, 121.	2.5	40
65	The Effects of Long Duration Spaceflight on Sensorimotor Control and Cognition. Frontiers in Neural Circuits, 2021, 15, 723504.	2.8	40
66	False memories seconds later: The rapid and compelling onset of illusory recognition.. Journal of Experimental Psychology: Learning Memory and Cognition, 2010, 36, 1331-1338.	0.9	39
67	Executive Functions and Neurocognitive Aging. , 2016, , 245-262.		39
68	Age differences in callosal contributions to cognitive processes. Neuropsychologia, 2011, 49, 2564-2569.	1.6	38
69	Neural Dedifferentiation across the Lifespan in the Motor and Somatosensory Systems. Cerebral Cortex, 2020, 30, 3704-3716.	2.9	38
70	Session II: Mechanisms of Age-Related Cognitive Change and Targets for Intervention: Neural Circuits, Networks, and Plasticity. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2012, 67, 747-753.	3.6	37
71	Scaleâ€free brain dynamics under physical and psychological distress: Preâ€treatment effects in women diagnosed with breast cancer. Human Brain Mapping, 2015, 36, 1077-1092.	3.6	34
72	Affective Working Memory: An Integrative Psychological Construct. Perspectives on Psychological Science, 2019, 14, 543-559.	9.0	34

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73	Examining the relationship between skilled music training and attention. Consciousness and Cognition, 2015, 36, 169-179.	1.5	32
74	Get the gist? The effects of processing depth on false recognition in short-term and long-term memory. Memory and Cognition, 2014, 42, 701-711.	1.6	31
75	Auditory cues and inhibition of return: the importance of oculomotor activation. Experimental Brain Research, 1996, 112, 119-26.	1.5	30
76	Neural predictors of sensorimotor adaptation rate and savings. Human Brain Mapping, 2018, 39, 1516-1531.	3.6	28
77	Intracranial Fluid Redistribution But No White Matter Microstructural Changes During a Spaceflight Analog. Scientific Reports, 2017, 7, 3154.	3.3	27
78	The Cognitive Neuroscience of Working Memory and Aging. , 2004, , 186-217.		27
79	Chapter 30 Object-based attention and object working memory: overlapping processes revealed by selective interference effects in humans. Progress in Brain Research, 2001, 134, 471-481.	1.4	25
80	Egocentric body-centered coordinates modulate visuomotor performance. Neuropsychologia, 2002, 40, 1822-1833.	1.6	24
81	The Aging Mind and Brain: Implications of Enduring Plasticity for Behavioral and Cultural Change. , 2006, , 255-276.		23
82	Resolving semantic and proactive interference in memory over the short-term. Memory and Cognition, 2011, 39, 806-817.	1.6	23
83	Memory distortion in Alzheimer's disease: Deficient monitoring of short- and long-term memory.. Neuropsychology, 2012, 26, 509-516.	1.3	22
84	Change of cortical foot activation following 70 days of head-down bed rest. Journal of Neurophysiology, 2018, 119, 2145-2152.	1.8	22
85	Object-Centered Attentional Biases in the Intact Brain. Journal of Cognitive Neuroscience, 1996, 8, 540-550.	2.3	20
86	A split-brain model of Alzheimer's disease?. Neuropsychologia, 2005, 43, 1307-1317.	1.6	20
87	Investigating the Effects of Spacing on Working Memory Training Outcome: A Randomized, Controlled, Multisite Trial in Older Adults. Journals of Gerontology - Series B Psychological Sciences and Social Sciences, 2020, 75, 1181-1192.	3.9	20
88	Multimodal Imaging of Brain Activity to Investigate Walking and Mobility Decline in Older Adults (Mind in Motion Study): Hypothesis, Theory, and Methods. Frontiers in Aging Neuroscience, 2019, 11, 358.	3.4	20
89	The short- and long-term consequences of directed forgetting in a working memory task. Memory, 2013, 21, 763-777.	1.7	19
90	Neural correlates of working memory training: Evidence for plasticity in older adults. NeuroImage, 2020, 217, 116887.	4.2	19

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91	Vertical orienting control: Evidence for attentional bias and "neglect" in the intact brain.. Journal of Experimental Psychology: General, 1996, 125, 139-58.	2.1	19
92	Aging and Cognitive Neuroimaging. Perspectives on Psychological Science, 2013, 8, 68-71.	9.0	18
93	Brain connectivity tracks effects of chemotherapy separately from behavioral measures. NeuroImage: Clinical, 2019, 21, 101654.	2.7	18
94	Neurocognitive ageing of storage and executive processes. European Journal of Cognitive Psychology, 2001, 13, 257-278.	1.3	16
95	Uncertainty and Promise: the Effects of Transcranial Direct Current Stimulation on Working Memory. Current Behavioral Neuroscience Reports, 2016, 3, 109-121.	1.3	16
96	Brain activity during walking in older adults: Implications for compensatory versus dysfunctional accounts. Neurobiology of Aging, 2021, 105, 349-364.	3.1	16
97	Cognitive control of familiarity: Directed forgetting reduces proactive interference in working memory. Cognitive, Affective and Behavioral Neuroscience, 2014, 14, 78-89.	2.0	15
98	Assessment of Cognitive Impairment and Complaints in Individuals With Colorectal Cancer. Oncology Nursing Forum, 2016, 43, 169-178.	1.2	14
99	Misremembering what you see or hear: Dissociable effects of modality on short- and long-term false recognition.. Journal of Experimental Psychology: Learning Memory and Cognition, 2015, 41, 1316-1325.	0.9	13
100	Age-Related Reductions in Tactile and Motor Inhibitory Function Start Early but Are Independent. Frontiers in Aging Neuroscience, 2019, 11, 193.	3.4	13
101	Age-related change and the predictive value of the â€œResting stateâ€• a commentary on Campbell and Schacter (2016). Language, Cognition and Neuroscience, 2017, 32, 674-677.	1.2	12
102	Reply to â€˜Mechanisms underlying resilience in ageingâ€™. Nature Reviews Neuroscience, 2019, 20, 247-247.	10.2	12
103	The Cognitive Neuroscience of Human Laterality: Lessons From the Bisected Brain. Current Directions in Psychological Science, 1998, 7, 15-20.	5.3	11
104	Executive functions and neurocognitive aging. , 2021, , 67-81.		11
105	Neural Gate Keeping: The Role of Interhemispheric Interactions in Resource Allocation and Selective Filtering.. Neuropsychology, 2004, 18, 328-339.	1.3	9
106	Strategic modulation of the fixation-offset effect: dissociable effects of target probability on prosaccades and antisaccades. Experimental Brain Research, 2005, 164, 194-204.	1.5	9
107	Biocultural Co-Construction of Lifespan Development. , 2006, , 40-58.		9
108	Prologue: Biocultural Co-Constructivism as a Theoretical Metascript. , 2006, , 3-39.		9

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109	Control of Reflexive Saccades following Hemispherectomy. Journal of Cognitive Neuroscience, 2011, 23, 1368-1378.	2.3	8
110	Exercise effects on bed rest-induced brain changes. PLoS ONE, 2018, 13, e0205515.	2.5	8
111	Rehearsal of to-be-remembered items is unnecessary to perform directed forgetting within working memory: Support for an active control mechanism.. Journal of Experimental Psychology: Learning Memory and Cognition, 2017, 43, 94-108.	0.9	7
112	Neuropsychology of aging, past, present and future: Contributions of Morris Moscovitch. Neuropsychologia, 2016, 90, 117-124.	1.6	6
113	Emotion and reward are dissociable from error during motor learning. Experimental Brain Research, 2016, 234, 1385-1394.	1.5	6
114	Age differences in functional network reconfiguration with working memory training. Human Brain Mapping, 2021, 42, 1888-1909.	3.6	6
115	Working Memory and Executive Functions in the Aging Brain. , 2016, , 235-258.		6
116	Changes in working memory brain activity and task-based connectivity after long-duration spaceflight. Cerebral Cortex, 2023, 33, 2641-2654.	2.9	6
117	Object-centered neglect for letters: Do informational asymmetries play a role?. Neuropsychologia, 1997, 35, 445-456.	1.6	5
118	Physical activity is related to timing performance in older adults. Aging, Neuropsychology, and Cognition, 2013, 20, 356-369.	1.3	5
119	Asymmetrical learning and memory for acquired gain versus loss associations. Cognition, 2020, 202, 104318.	2.2	5
120	Warning signals, response specificity and the gap effect: Implications for a nonattentional account. Behavioral and Brain Sciences, 1993, 16, 585-586.	0.7	3
121	From cognitive tasks to cognitive theories and back again: Fitting data to the real world.. Journal of Applied Research in Memory and Cognition, 2018, 7, 510-513.	1.1	3
122	Affective forecasting: A selective relationship with working memory for emotion.. Journal of Experimental Psychology: General, 2021, 150, 67-82.	2.1	3
123	The Executive Is Central to Working Memory: Insights from Age, Performance, and Task Variations. , 2008, , 250-271.		3
124	Influences of Biological and Self-Initiated Factors on Brain and Cognition in Adulthood and Aging. , 0, , 239-254.		2
125	Redefining cognitive psychology. Behavioral and Brain Sciences, 1995, 18, 363-364.	0.7	1
126	Failing to forget? Evidence for both impaired and preserved working memory control in older adults. Aging, Neuropsychology, and Cognition, 2021, 28, 884-906.	1.3	1

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127	Dysexecutive Amnesia. , 2015, , 717-723.		1
128	Serial position-dependent false memory effects. Memory, 2019, 27, 397-409.	1.7	0
129	Introduction to Section VII: Aging and Prefrontal Function. , 2013, , 555-566.		0
130	Introspection From a New Point of View. PsycCritiques, 1988, 33, 433-434.	0.0	0