Laurel J Buxbaum

List of Publications by Year
in descending order

83 papers	6,356 citations	81900 39 h-index	69250 77 g-index

90 all docs	90 docs citations	90 times ranked	3213 citing authors

#	Article	IF	Citations
1	Knowledge of object manipulation and object function: dissociations in apraxic and nonapraxic subjects. Brain and Language, 2002, 82, 179-199.	1.6	334
2	Ideomotor Apraxia: a Call to Action. Neurocase, 2001, 7, 445-458.	0.6	314
3	Two action systems in the human brain. Brain and Language, 2013, 127, 222-229.	1.6	309
4	On beyond mirror neurons: Internal representations subserving imitation and recognition of skilled object-related actions in humans. Cognitive Brain Research, 2005, 25, 226-239.	3.0	283
5	Critical brain regions for action recognition: lesion symptom mapping in left hemisphere stroke. Brain, 2010, 133, 3269-3280.	7.6	246
6	Distinctions between manipulation and function knowledge of objects: evidence from functional magnetic resonance imaging. Cognitive Brain Research, 2005, 23, 361-373.	3.0	228
7	Action knowledge, visuomotor activation, and embodiment in the two action systems. Annals of the New York Academy of Sciences, 2010, 1191, 201-218.	3.8	227
8	Deficient internal models for planning handâ€“object interactions in apraxia. Neuropsychologia, 2005, 43, 917-929.	1.6	214
9	Cognitive representations of hand posture in ideomotor apraxia. Neuropsychologia, 2003, 41, 1091-1113.	1.6	213
10	Left Inferior Parietal Representations for Skilled Hand-Object Interactions: Evidence from Stroke and Corticobasal Degeneration. Cortex, 2007, 43, 411-423.	2.4	200
11	Critical brain regions for tool-related and imitative actions: a componential analysis. Brain, 2014, 137, 1971-1985.	7.6	199
12	The Role of Semantic Memory in Object Use. Cognitive Neuropsychology, 1997, 14, 219-254.	1.1	196
13	The Naturalistic Action Test: A standardised assessment for everyday action impairment. Neuropsychological Rehabilitation, 2002, 12, 311-339.	1.6	189
14	Specialised structural descriptions for human body parts: Evidence from autotopagnosia. Cognitive Neuropsychology, 2001, 18, 289-306.	1.1	170
15	Treatments of unilateral neglect: A review. Archives of Physical Medicine and Rehabilitation, 2002, 83, 256-268.	0.9	166
16	The Role of the Dynamic Body Schema in Praxis: Evidence from Primary Progressive Apraxia. Brain and Cognition, 2000, 44, 166-191.	1.8	159
17	IDEATIONAL APRAXIA AND NATURALISTIC ACTION. Cognitive Neuropsychology, 1998, 15, 617-643.	1.1	139
18	Naturalistic action impairments in dementia. Neuropsychologia, 2002, 40, 1220-1232.	1.6	134

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19	Cognitive Rehabilitation Interventions for Neglect and Related Disorders: Moving from Bench to Bedside in Stroke Patients. Journal of Cognitive Neuroscience, 2006, 18, 1223-1236.	2.3	122
20	Neural substrates of knowledge of hand postures for object grasping and functional object use: Evidence from fMRI. Brain Research, 2006, 1117, 175-185.	2.2	104
21	Action matters: The role of action plans and object affordances in selection for action. Visual Cognition, 2002, 9, 559-590.	1.6	97
22	Response interference between functional and structural actions linked to the same familiar object. Cognition, 2010, 115, 350-355.	2.2	97
23	Representations of the human body in the production and imitation of complex movements. Cognitive Neuropsychology, 2004, 21, 285-298.	1.1	91
24	Treatment of Limb Apraxia. American Journal of Physical Medicine and Rehabilitation, 2008, 87, 149-161.	1.4	89
25	A distributed network critical for selecting among tool-directed actions. Cortex, 2015, 65, 65-82.	2.4	81
26	Shared and Distinct Neuroanatomic Regions Critical for Tool-related Action Production and Recognition: Evidence from 131 Left-hemisphere Stroke Patients. Journal of Cognitive Neuroscience, 2015, 27, 2491-2511.	2.3	73
27	Compensatory coding of body part location in autotopagnosia: Evidence for extrinsic egocentric coding. Cognitive Neuropsychology, 2001, 18, 363-381.	1.1	72
28	SPATIO-MOTOR REPRESENTATIONS IN REACHING: EVIDENCE FOR SUBTYPES OF OPTIC ATAXIA. Cognitive Neuropsychology, 1998, 15, 279-312.	1.1	69
29	Assessment of spatial attention and neglect with a virtual wheelchair navigation task. Journal of Clinical and Experimental Neuropsychology, 2008, 30, 650-660.	1.3	68
30	Reliability and validity of the Virtual Reality Lateralized Attention Test in assessing hemispatial neglect in right-hemisphere stroke.. Neuropsychology, 2012, 26, 430-441.	1.3	68
31	Learning, remembering, and predicting how to use tools: Distributed neurocognitive mechanisms: Comment on Osiurak and Badets (2016).. Psychological Review, 2017, 124, 346-360.	3.8	67
32	Temporal dynamics of activation of thematic and functional knowledge during conceptual processing of manipulable artifacts.. Journal of Experimental Psychology: Learning Memory and Cognition, 2012, 38, 1274-1295.	0.9	62
33	Limb apraxia and the left parietal lobe. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 151, 349-363.	1.8	59
34	Immersive Low-Cost Virtual Reality Treatment for Phantom Limb Pain: Evidence from Two Cases. Frontiers in Neurology, 2018, 9, 67.	2.4	57
35	Incidental and context-responsive activation of structure- and function-based action features during object identification.. Journal of Experimental Psychology: Human Perception and Performance, 2013, 39, 257-270.	0.9	56
36	Thematic knowledge, artifact concepts, and the left posterior temporal lobe: Where action and object semantics converge. Cortex, 2016, 82, 164-178.	2.4	55

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37	The Coffee Challenge: A new method for the study of everyday action errors. Journal of Clinical and Experimental Neuropsychology, 2007, 29, 690-705.	1.3	52
38	Deficits in Movement Planning and Intrinsic Coordinate Control in Ideomotor Apraxia. Journal of Cognitive Neuroscience, 2006, 18, 2063-2076.	2.3	48
39	Impaired access to manipulation features in Apraxia: Evidence from eyetracking and semantic judgment tasks. Brain and Language, 2010, 112, 101-112.	1.6	43
40	Visual context modulates potentiation of grasp types during semantic object categorization. Psychonomic Bulletin and Review, 2014, 21, 645-651.	2.8	42
41	Deep Dyslexic Phenomena in a Letter-by-Letter Reader. Brain and Language, 1996, 54, 136-167.	1.6	38
42	Mental rotation may underlie apparent object-based neglect. Neuropsychologia, 1996, 34, 113-126.	1.6	38
43	Reduced endogenous control in alien hand syndrome: evidence from naturalistic action. Neuropsychologia, 2005, 43, 75-88.	1.6	38
44	Neglect of chimeric figures: Two halves are better than a whole. Neuropsychologia, 1994, 32, 275-288.	1.6	34
45	The alien hand syndrome: What makes the alien hand alien?. Cognitive Neuropsychology, 2006, 23, 563-582.	1.1	32
46	Response interference between functional and structural objectâ€related actions is increased in patients with ideomotor apraxia. Journal of Neuropsychology, 2013, 7, 12-18.	1.4	31
47	Uncovering the architecture of action semantics.. Journal of Experimental Psychology: Human Perception and Performance, 2014, 40, 1832-1848.	0.9	31
48	Abnormal dynamics of activation of object use information in apraxia: Evidence from eyetracking. Neuropsychologia, 2014, 59, 13-26.	1.6	31
49	Ideomotor Apraxia: a Call to Action. Neurocase, 2001, 7, 445-458.	0.6	31
50	Gesturing tool use and tool transport actions modulates inferior parietal functional connectivity with the dorsal and ventral object processing pathways. Human Brain Mapping, 2019, 40, 2867-2883.	3.6	30
51	Abnormal reliance on object structure in apraxics' learning of novel object-related actions. Journal of the International Neuropsychological Society, 2007, 13, 997-1008.	1.8	29
52	Toward an integrated account of object and action selection: A computational analysis and empirical findings from reaching-to-grasp and tool-use. Neuropsychologia, 2009, 47, 671-683.	1.6	29
53	A Combination of Thematic and Similarity-Based Semantic Processes Confers Resistance to Deficit Following Left Hemisphere Stroke. Frontiers in Human Neuroscience, 2012, 6, 106.	2.0	29
54	On the right (and left) track: Twenty years of progress in studying hemispatial neglect. Cognitive Neuropsychology, 2006, 23, 184-201.	1.1	27

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55	Amantadine Treatment of Hemispatial Neglect. American Journal of Physical Medicine and Rehabilitation, 2007, 86, 527-537.	1.4	26
56	Accurate Reaching after Active But Not Passive Movements of the Hand: Evidence for Forward Modeling. Behavioural Neurology, 2008, 19, 117-125.	2.1	26
57	Predictors of Arm Nonuse in Chronic Stroke: A Preliminary Investigation. Neurorehabilitation and Neural Repair, 2020, 34, 512-522.	2.9	25
58	Movement Imitation via an Abstract Trajectory Representation in Dorsal Premotor Cortex. Journal of Neuroscience, 2019, 39, 3320-3331.	3.6	24
59	Limitations of attentional orienting Effects of abrupt visual onsets and offsets on naming two objects in a patient with simultanagnosia. Neuropsychologia, 2002, 40, 1097-1103.	1.6	23
60	The impact of left hemisphere stroke on force control with familiar and novel objects: Neuroanatomic substrates and relationship to apraxia. Brain Research, 2010, 1317, 124-136.	2.2	23
61	Dissociations of action means and outcome processing in left-hemisphere stroke. Neuropsychologia, 2013, 51, 1224-1233.	1.6	22
62	Differential Tuning of Ventral and Dorsal Streams during the Generation of Common and Uncommon Tool Uses. Journal of Cognitive Neuroscience, 2017, 29, 1791-1802.	2.3	22
63	Bilateral functional connectivity at rest predicts apraxic symptoms after left hemisphere stroke. NeuroImage: Clinical, 2019, 21, 101526.	2.7	21
64	The role of action representations in thematic object relations. Frontiers in Human Neuroscience, 2014, 8, 140.	2.0	20
65	Structural Disconnection of the Tool Use Network after Left Hemisphere Stroke Predicts Limb Apraxia Severity. Cerebral Cortex Communications, 2020, 1, tgaa035.	1.6	19
66	Critical Motor Involvement in Prediction of Human and Non-biological Motion Trajectories. Journal of the International Neuropsychological Society, 2017, 23, 171-184.	1.8	17
67	Hemispatial factors in mirror writing. Neuropsychologia, 1993, 31, 1417-1421.	1.6	15
68	Hand-centered attentional and motor asymmetries in unilateral neglect. Neuropsychologia, 2001, 39, 653-664.	1.6	13
69	Illusory conjunctions in simultanagnosia: Coarse coding of visual feature location?. Neuropsychologia, 2006, 44, 1724-1736.	1.6	13
70	More than (where the target) meets the eyes: Disrupted visuomotor transformations in optic ataxia. Neuropsychologia, 2009, 47, 230-238.	1.6	13
71	Reduced competition between tool action neighbors in left hemisphere stroke. Cortex, 2019, 120, 269-283.	2.4	13
72	Sensory and semantic activations evoked by action attributes of manipulable objects: Evidence from ERPs. NeuroImage, 2018, 167, 331-341.	4.2	12

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73	Virtual Reality Treatment Displaying the Missing Leg Improves Phantom Limb Pain: A Small Clinical Trial. Neurorehabilitation and Neural Repair, 2021, 35, 1100-1111.	2.9	12
74	Visuo-motor gain adaptation and generalization following left hemisphere stroke. Neuroscience Letters, 2011, 498, 222-226.	2.1	10
75	The role of conflict, feedback, and action comprehension in monitoring of action errors: Evidence for internal and external routes. Cortex, 2019, 115, 184-200.	2.4	8
76	Multimodal comprehension in left hemisphere stroke patients. Cortex, 2020, 133, 309-327.	2.4	8
77	Subtypes of Optic Ataxia: Reframing the Disconnection Account. Neurocase, 1997, 3, 159-166.	0.6	8
78	Reply: Apraxia: a gestural or a cognitive disorder?. Brain, 2015, 138, e334-e334.	7.6	6
79	Scene context shapes category representational geometry during processing of tools. Cortex, 2021, 141, 1-15.	2.4	5
80	Single-case disconnectome lesion-symptom mapping: Identifying two subtypes of limb apraxia. Neuropsychologia, 2022, 170, 108210.	1.6	4
81	Proprioception-based movement goals support imitation and are disrupted in apraxia. Cortex, 2022, 147, 140-156.	2.4	3
82	The planningâ€“control model and spatio-motor deficits following brain damage. Behavioral and Brain Sciences, 2004, 27, .	0.7	2
83	Aberrant activity in an intact residual muscle is associated with phantom limb pain in above-knee amputees. Journal of Neurophysiology, 2021, 125, 2135-2143.	1.8	0