

# Barbara Tomasino

## List of Publications by Year in descending order

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Version: 2024-02-01

82  
papers

2,366  
citations

236612

25  
h-index

223531

46  
g-index

84  
all docs

84  
docs citations

84  
times ranked

2604  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-grade glioma surgery in eloquent areas: volumetric analysis of extent of resection and its impact on overall survival. A single-institution experience in 190 patients. <i>Journal of Neurosurgery</i> , 2012, 117, 1039-1052.	0.9	247
2	To move or not to move: imperatives modulate action-related verb processing in the motor system. <i>Neuroscience</i> , 2010, 169, 246-258.	1.1	127
3	Action verbs and the primary motor cortex: A comparative TMS study of silent reading, frequency judgments, and motor imagery. <i>Neuropsychologia</i> , 2008, 46, 1915-1926.	0.7	126
4	What Is the Position of an Arm Relative to the Body? Neural Correlates of Body Schema and Body Structural Description. <i>Journal of Neuroscience</i> , 2009, 29, 4162-4171.	1.7	115
5	Stimulus properties matter more than perspective: An fMRI study of mental imagery and silent reading of action phrases. <i>NeuroImage</i> , 2007, 36, T128-T141.	2.1	108
6	Surgery of Insular Nonenhancing Gliomas. <i>Neurosurgery</i> , 2012, 70, 1081-1094.	0.6	97
7	Meditation-related activations are modulated by the practices needed to obtain it and by the expertise: an ALE meta-analysis study. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 346.	1.0	88
8	Effects of Stimulus Type and Strategy on Mental Rotation Network: An Activation Likelihood Estimation Meta-Analysis. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 693.	1.0	85
9	Effects of Strategies on Mental Rotation and Hemispheric Lateralization: Neuropsychological Evidence. <i>Journal of Cognitive Neuroscience</i> , 2004, 16, 878-888.	1.1	79
10	Increases in the right dorsolateral prefrontal cortex and decreases the rostral prefrontal cortex activation after 8 weeks of focused attention based mindfulness meditation. <i>Brain and Cognition</i> , 2016, 102, 46-54.	0.8	76
11	Disentangling the neural mechanisms involved in Hinduism- and Buddhism-related meditations. <i>Brain and Cognition</i> , 2014, 90, 32-40.	0.8	71
12	Dissociation between the mental rotation of visual images and motor images in unilateral brain-damaged patients. <i>Brain and Cognition</i> , 2003, 51, 368-371.	0.8	60
13	The role of the primary motor cortex in mental rotation: a TMS study. <i>Cognitive Neuropsychology</i> , 2005, 22, 348-363.	0.4	59
14	Foreign accent syndrome: A multimodal mapping study. <i>Cortex</i> , 2013, 49, 18-39.	1.1	57
15	Brain mapping: a novel intraoperative neuropsychological approach. <i>Journal of Neurosurgery</i> , 2016, 125, 877-887.	0.9	56
16	At the Mercy of Strategies: The Role of Motor Representations in Language Understanding. <i>Frontiers in Psychology</i> , 2013, 4, 27.	1.1	55
17	What do we know about pre- and postoperative plasticity in patients with glioma? A review of neuroimaging and intraoperative mapping studies. <i>NeuroImage: Clinical</i> , 2020, 28, 102435.	1.4	49
18	Selective Deficit of Imagining Finger Configurations. <i>Cortex</i> , 2001, 37, 730-733.	1.1	47

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19	Selective deficit of motor imagery as tapped by a left-right decision of visually presented hands. <i>Brain and Cognition</i> , 2003, 53, 376-380.	0.8	47
20	On-line Changing of Thinking about Words: The Effect of Cognitive Context on Neural Responses to Verb Reading. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 2348-2362.	1.1	47
21	The Cognitive Side of M1. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 298.	1.0	44
22	How are the motor system activity and functional connectivity between the cognitive and sensorimotor systems modulated by athletic expertise?. <i>Brain Research</i> , 2013, 1540, 21-41.	1.1	35
23	Causal Role of the Sensorimotor Cortex in Action Simulation: Neuropsychological Evidence. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 2068-2078.	1.1	28
24	Mental rotation in a patient with an implanted electrode grid in the motor cortex. <i>NeuroReport</i> , 2005, 16, 1795-1800.	0.6	27
25	Incidental Low-Grade Gliomas: Single-Institution Management Based on Clinical, Surgical, and Molecular Data. <i>Neurosurgery</i> , 2020, 86, 391-399.	0.6	26
26	Predictors of Postoperative Seizure Outcome in Low Grade Glioma: From Volumetric Analysis to Molecular Stratification. <i>Cancers</i> , 2020, 12, 397.	1.7	26
27	Imagined tool-use in near and far space modulates the extra-striate body area. <i>Neuropsychologia</i> , 2012, 50, 2467-2476.	0.7	25
28	The effects of healthy aging on mental imagery as revealed by egocentric and allocentric mental spatial transformations. <i>Acta Psychologica</i> , 2013, 143, 146-156.	0.7	23
29	A multimodal mapping study of conduction aphasia with impaired repetition and spared reading aloud. <i>Neuropsychologia</i> , 2015, 70, 214-226.	0.7	23
30	The role of volleyball expertise in motor simulation. <i>Acta Psychologica</i> , 2012, 139, 1-6.	0.7	21
31	The benefit of early surgery on overall survival in incidental low-grade glioma patients: A multicenter study. <i>Neuro-Oncology</i> , 2022, 24, 624-638.	0.6	21
32	How do conceptual representations interact with processing demands: An fMRI study on action- and abstract-related words. <i>Brain Research</i> , 2014, 1591, 38-52.	1.1	19
33	Phonological and surface dyslexia in individuals with brain tumors: Performance pre-, intra-, immediately post-surgery and at follow-up. <i>Human Brain Mapping</i> , 2020, 41, 5015-5031.	1.9	19
34	Introducing the special topic "The when and why of sensorimotor processes in conceptual knowledge and abstract concepts". <i>Frontiers in Human Neuroscience</i> , 2013, 7, 498.	1.0	18
35	Noun-verb naming dissociation in neurosurgical patients. <i>Aphasiology</i> , 2019, 33, 1418-1440.	1.4	18
36	Involuntary switching into the native language induced by electrocortical stimulation of the superior temporal gyrus: A multimodal mapping study. <i>Neuropsychologia</i> , 2014, 62, 87-100.	0.7	17

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37	Motor Simulation during Action Word Processing in Neurosurgical Patients. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 736-748.	1.1	16
38	Effects of Strategies on Mental Rotation Performed by Unilateral Brain Damaged Patients. <i>Cortex</i> , 2004, 40, 197-199.	1.1	15
39	Altered microstructure integrity of the amygdala in schizophrenia: a bimodal MRI and DWI study. <i>Psychological Medicine</i> , 2011, 41, 301-311.	2.7	15
40	To move or not to move: Subthalamic deep brain stimulation effects on implicit motor simulation. <i>Brain Research</i> , 2014, 1574, 14-25.	1.1	15
41	Double-letter processing in surface dyslexia and dysgraphia following a left temporal lesion: A multimodal neuroimaging study. <i>Cortex</i> , 2015, 73, 112-130.	1.1	15
42	Framing the ultimatum game: the contribution of simulation. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 337.	1.0	14
43	Cognitive Functions in Repeated Glioma Surgery. <i>Cancers</i> , 2020, 12, 1077.	1.7	14
44	Neurosurgical lesions to sensorimotor cortex do not impair action verb processing. <i>Scientific Reports</i> , 2020, 10, 523.	1.6	14
45	Multimodal integrated approaches in low grade glioma surgery. <i>Scientific Reports</i> , 2021, 11, 9964.	1.6	14
46	Modulation of hand motor-related area during motor imagery and motor execution before and after middle 2/5 of the MS6 line scalp acupuncture stimulation: An fMRI study. <i>Brain and Cognition</i> , 2016, 103, 1-11.	0.8	13
47	Design fluency and neuroanatomical correlates in 54 neurosurgical patients with lesions to the right hemisphere. <i>Journal of Neuro-Oncology</i> , 2017, 135, 141-150.	1.4	12
48	Medial orbital gyrus modulation during spatial perspective changes: Pre- vs. post-8weeks mindfulness meditation. <i>Consciousness and Cognition</i> , 2016, 40, 147-158.	0.8	10
49	The mental simulation of state/psychological verbs in the adolescent brain: An fMRI study. <i>Brain and Cognition</i> , 2018, 123, 34-46.	0.8	10
50	Neuropsychological Patterns Following Lesions of the Anterior Insula in a Series of Forty Neurosurgical Patients. <i>AIMS Neuroscience</i> , 2014, 1, 225-244.	1.0	9
51	Identifying environmental sounds: a multimodal mapping study. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 567.	1.0	8
52	Editorial: Neuroimaging and Neuropsychology of Meditation States. <i>Frontiers in Psychology</i> , 2015, 6, 1757.	1.1	8
53	Supratentorial Cavernous Malformations Involving the Corticospinal Tract and Sensory Motor Cortex: Treatment Strategies, Surgical Considerations, and Outcomes. <i>Operative Neurosurgery</i> , 2018, 15, 483-497.	0.4	7
54	Meningioma can lead to pre-operative cognitive alterations even if localized in sensorimotor areas: A multimodal MRI-neuropsychological study in a series of 46 patients. <i>Neuropsychologia</i> , 2020, 137, 107288.	0.7	5

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55	Relation Between Reading Performance and White-Matter Alteration and Reorganization in Neurosurgical Patients. <i>Frontiers in Neurology</i> , 2020, 11, 563259.	1.1	5
56	Pre-Surgery Cognitive Performance and Voxel-Based Lesion-Symptom Mapping in Patients with Left High-Grade Glioma. <i>Cancers</i> , 2021, 13, 1467.	1.7	5
57	Real-Time Neuropsychological Testing of Sensorimotor Cognition During Awake Surgery in Precentral and Postsomatosensory Areas. <i>World Neurosurgery</i> , 2022, 164, e599-e610.	0.7	5
58	A Multimodal Approach to the Treatment of Intraparenchymal Meningioma in a 7-Year-Old Boy: A Case Report. <i>Pediatric Neurosurgery</i> , 2018, 53, 175-181.	0.4	4
59	Multimodal Assessment Shows a Mostly Preserved Cognitive Status in Incidentally Discovered Low Grade Gliomas: A Single Institution Study. <i>Cancers</i> , 2020, 12, 156.	1.7	4
60	Risk Assessment by Pre-surgical Tractography in Left Hemisphere Low-Grade Gliomas. <i>Frontiers in Neurology</i> , 2021, 12, 648432.	1.1	4
61	Real-Time Neuropsychological Testing Protocol for Left Temporal Brain Tumor Surgery: A Technical Note and Case Report. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 760569.	1.0	4
62	Multisensory mental imagery of <i>fatigue</i> : Evidence from an <i>fMRI</i> study. <i>Human Brain Mapping</i> , 2022, 43, 3143-3152.	1.9	4
63	Effects of age and gender on neural correlates of emotion imagery. <i>Human Brain Mapping</i> , 2022, 43, 4116-4127.	1.9	4
64	A nice theory has probably more to do with aesthetics than reality. <i>Physics of Life Reviews</i> , 2012, 9, 215-216.	1.5	3
65	Coprolalia in aphasic patients with stroke: a longitudinal observation from the BLAS <sub>2</sub> T database. <i>Neurocase</i> , 2017, 23, 249-262.	0.2	3
66	Age-Dependent Changes of Thinking about Verbs. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 40.	1.0	3
67	Junior-Real Time neuropsychological testing (j-RTNT) for a young patient undergoing awake craniotomy. <i>Brain and Cognition</i> , 2020, 140, 105535.	0.8	3
68	Neuropsychology in Insular Lesions Prior-During and After Brain Surgery. , 2018, , 281-292.		2
69	Normal-appearing white matter structural integrity in incidentally discovered low-grade gliomas: a single institution study. <i>Journal of Neurosurgical Sciences</i> , 2020, , .	0.3	2
70	Multisensory mental representation in covid-19 patients and the possibility of long-lasting gustatory and olfactory dysfunction in the CNS. <i>Scientific Reports</i> , 2022, 12, 7340.	1.6	2
71	Understanding Body Language Does Not Require Matching the Body's Egocentric Map to Body Posture: A Brain Activation <i>fMRI</i> Study. <i>Perceptual and Motor Skills</i> , 2020, 127, 8-35.	0.6	1
72	Multiple Tasks. , 2021, , 307-333.		1

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73	A multimodal approach to the study of children treated for posterior fossa tumor: A review of the literature and a pilot study. <i>Clinical Neurology and Neurosurgery</i> , 2021, 207, 106819.	0.6	1
74	<i>Methods in Neuropsychology</i> , 2022, , 246-254.		1
75	Normal-appearing naming-related functional activation in incidentally discovered lowgrade gliomas: a single institution study. <i>Journal of Neurosurgical Sciences</i> , 2021, , .	0.3	1
76	Presurgical cognitive status in patients with low-grade glioma and epilepsy: Testing the effects of seizures, antiseizure medications, and tumor localization. <i>Brain and Behavior</i> , 2022, 12, e2560.	1.0	1
77	Pre- and Post-surgical Poor Seizure Control as Hallmark of Malignant Progression in Patients With Glioma?. <i>Frontiers in Neurology</i> , 2022, 13, .	1.1	1
78	A neuropsychological approach to motor control and imagery. <i>Behavioral and Brain Sciences</i> , 2004, 27, 419-419.	0.4	0
79	Real-time neuropsychological testing during endovascular occlusion of a fusiform aneurysm in the left middle cerebral artery. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2019, 17, 113-118.	0.2	0
80	What's behind drawing for an artist with left temporal lobe epilepsy? A multimodal neurophysiological study. <i>Epilepsy and Behavior Reports</i> , 2021, 16, 100418.	0.5	0
81	Cortical activation and motor body representations in a patient with subacute sclerosing panencephalitis. <i>Neuropsychologia</i> , 2022, 173, 108299.	0.7	0
82	Attention to the Other's Body Sensations Modulates the Ventr Medial PreFrontal Cortex. <i>Social Cognitive and Affective Neuroscience</i> , 0, , .	1.5	0