

# Emmanuel A Stamatakis

## List of Publications by Year in descending order

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Version: 2024-02-01

117  
papers

8,818  
citations

53660

45  
h-index

49773

87  
g-index

137  
all docs

137  
docs citations

137  
times ranked

9426  
citing authors

#	ARTICLE	IF	CITATIONS
1	Traumatic brain injury: integrated approaches to improve prevention, clinical care, and research. <i>Lancet Neurology</i> , The, 2017, 16, 987-1048.	4.9	1,571
2	Case-mix, care pathways, and outcomes in patients with traumatic brain injury in CENTER-TBI: a European prospective, multicentre, longitudinal, cohort study. <i>Lancet Neurology</i> , The, 2019, 18, 923-934.	4.9	304
3	Modulation of motor and premotor cortices by actions, action words and action sentences. <i>Neuropsychologia</i> , 2009, 47, 388-396.	0.7	294
4	Default Mode Dynamics for Global Functional Integration. <i>Journal of Neuroscience</i> , 2015, 35, 15254-15262.	1.7	290
5	Processing Objects at Different Levels of Specificity. <i>Journal of Cognitive Neuroscience</i> , 2004, 16, 351-362.	1.1	242
6	Binding crossmodal object features in perirhinal cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8239-8244.	3.3	218
7	Left inferior frontal cortex and syntax: function, structure and behaviour in patients with left hemisphere damage. <i>Brain</i> , 2011, 134, 415-431.	3.7	207
8	Default mode contributions to automated information processing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12821-12826.	3.3	202
9	Preserving Syntactic Processing across the Adult Life Span: The Modulation of the Frontotemporal Language System in the Context of Age-Related Atrophy. <i>Cerebral Cortex</i> , 2010, 20, 352-364.	1.6	185
10	Neural processing of nouns and verbs: the role of inflectional morphology. <i>Neuropsychologia</i> , 2004, 42, 512-523.	0.7	180
11	Trait impulsivity and prefrontal gray matter reductions in cocaine dependent individuals. <i>Drug and Alcohol Dependence</i> , 2012, 125, 208-214.	1.6	175
12	Changes in Resting Neural Connectivity during Propofol Sedation. <i>PLoS ONE</i> , 2010, 5, e14224.	1.1	168
13	Consciousness-specific dynamic interactions of brain integration and functional diversity. <i>Nature Communications</i> , 2019, 10, 4616.	5.8	163
14	Temporal lobe lesions and semantic impairment: a comparison of herpes simplex virus encephalitis and semantic dementia. <i>Brain</i> , 2006, 130, 1138-1147.	3.7	161
15	On the Tip-of-the-Tongue: Neural Correlates of Increased Word-finding Failures in Normal Aging. <i>Journal of Cognitive Neuroscience</i> , 2007, 19, 2060-2070.	1.1	150
16	Temporal and frontal systems in speech comprehension: An fMRI study of past tense processing. <i>Neuropsychologia</i> , 2005, 43, 1963-1974.	0.7	137
17	Anteromedial Temporal Cortex Supports Fine-grained Differentiation among Objects. <i>Cerebral Cortex</i> , 2005, 15, 616-627.	1.6	136
18	Default mode network connectivity during task execution. <i>NeuroImage</i> , 2015, 122, 96-104.	2.1	127

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19	Dynamic Processing in the Human Language System: Synergy between the Arcuate Fascicle and Extreme Capsule. <i>Journal of Neuroscience</i> , 2011, 31, 16949-16957.	1.7	124
20	Objects and their actions: evidence for a neurally distributed semantic system. <i>NeuroImage</i> , 2003, 18, 542-557.	2.1	117
21	Machine learning algorithms performed no better than regression models for prognostication in traumatic brain injury. <i>Journal of Clinical Epidemiology</i> , 2020, 122, 95-107.	2.4	117
22	Altered functional connectivity in the motor network after traumatic brain injury. <i>Neurology</i> , 2010, 75, 168-176.	1.5	101
23	LSD alters dynamic integration and segregation in the human brain. <i>NeuroImage</i> , 2021, 227, 117653.	2.1	98
24	Functional Organization of the Neural Language System: Dorsal and Ventral Pathways Are Critical for Syntax. <i>Cerebral Cortex</i> , 2013, 23, 139-147.	1.6	97
25	Dissociating neuro-cognitive component processes: voxel-based correlational methodology. <i>Neuropsychologia</i> , 2005, 43, 771-778.	0.7	96
26	Age-related functional reorganization, structural changes, and preserved cognition. <i>Neurobiology of Aging</i> , 2014, 35, 42-54.	1.5	95
27	Angular default mode network connectivity across working memory load. <i>Human Brain Mapping</i> , 2017, 38, 41-52.	1.9	90
28	Differentiating Morphology, Form, and Meaning: Neural Correlates of Morphological Complexity. <i>Journal of Cognitive Neuroscience</i> , 2007, 19, 1464-1475.	1.1	83
29	Word Retrieval Failures in Old Age: The Relationship between Structure and Function. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 1530-1540.	1.1	82
30	Grammatical Categories in the Brain: The Role of Morphological Structure. <i>Cerebral Cortex</i> , 2007, 17, 1812-1820.	1.6	81
31	A synergistic core for human brain evolution and cognition. <i>Nature Neuroscience</i> , 2022, 25, 771-782.	7.1	80
32	Repetition suppression and semantic enhancement: An investigation of the neural correlates of priming. <i>Neuropsychologia</i> , 2006, 44, 2284-2295.	0.7	76
33	Reorganization of syntactic processing following left-hemisphere brain damage: does right-hemisphere activity preserve function?. <i>Brain</i> , 2010, 133, 3396-3408.	3.7	75
34	Differentiating lexical form, meaning, and structure in the neural language system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 8375-8380.	3.3	73
35	Is left fronto-temporal connectivity essential for syntax? Effective connectivity, tractography and performance in left-hemisphere damaged patients. <i>NeuroImage</i> , 2011, 58, 656-664.	2.1	72
36	Traumatic brain injury alters the functional brain network mediating working memory. <i>Brain Injury</i> , 2011, 25, 1170-1187.	0.6	65

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37	Disrupted functional connectivity in adolescent obesity. <i>NeuroImage: Clinical</i> , 2016, 12, 262-268.	1.4	64
38	Cortical Differentiation for Nouns and Verbs Depends on Grammatical Markers. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 1381-1389.	1.1	62
39	Crossmodal integration of object features: Voxel-based correlations in brain-damaged patients. <i>Brain</i> , 2009, 132, 671-683.	3.7	61
40	Neural Correlates of the Severity of Cocaine, Heroin, Alcohol, MDMA and Cannabis Use in Polysubstance Abusers: A Resting-PET Brain Metabolism Study. <i>PLoS ONE</i> , 2012, 7, e39830.	1.1	61
41	Validation of Statistical Parametric Mapping (SPM) in Assessing Cerebral Lesions: A Simulation Study. <i>NeuroImage</i> , 1999, 10, 397-407.	2.1	59
42	The Anatomy of Object Processing: The Role of Anteromedial Temporal Cortex. <i>Quarterly Journal of Experimental Psychology Section B: Comparative and Physiological Psychology</i> , 2005, 58, 361-377.	2.8	59
43	Identifying lesions on structural brain images – Validation of the method and application to neuropsychological patients. <i>Brain and Language</i> , 2005, 94, 167-177.	0.8	58
44	Longitudinal studies of semantic dementia: The relationship between structural and functional changes over time. <i>Neuropsychologia</i> , 2008, 46, 2177-2188.	0.7	58
45	Consciousness & Brain Functional Complexity in Propofol Anaesthesia. <i>Scientific Reports</i> , 2020, 10, 1018.	1.6	53
46	Combining network topology and information theory to construct representative brain networks. <i>Network Neuroscience</i> , 2021, 5, 96-124.	1.4	52
47	Personalized risk prediction of postoperative cognitive impairment – rationale for the EU-funded BioCog project. <i>European Psychiatry</i> , 2018, 50, 34-39.	0.1	51
48	SPECT imaging in head injury interpreted with statistical parametric mapping. <i>Journal of Nuclear Medicine</i> , 2002, 43, 476-83.	2.8	50
49	Neural correlates of successful semantic processing during propofol sedation. <i>Human Brain Mapping</i> , 2014, 35, 2935-2949.	1.9	49
50	Cognitive Flexibility: A Default Network and Basal Ganglia Connectivity Perspective. <i>Brain Connectivity</i> , 2016, 6, 201-207.	0.8	49
51	Serotonergic psychedelics LSD & psilocybin increase the fractal dimension of cortical brain activity in spatial and temporal domains. <i>NeuroImage</i> , 2020, 220, 117049.	2.1	49
52	The Interaction of Lexical Semantics and Cohort Competition in Spoken Word Recognition: An fMRI Study. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 3778-3790.	1.1	48
53	Differentiating Hemispheric Contributions to Syntax and Semantics in Patients with Left-Hemisphere Lesions. <i>Journal of Neuroscience</i> , 2012, 32, 8149-8157.	1.7	48
54	White Matter Changes and Word Finding Failures with Increasing Age. <i>PLoS ONE</i> , 2011, 6, e14496.	1.1	47

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55	Complementary hemispheric asymmetries in object naming and recognition: A voxel-based correlational study. <i>Neuropsychologia</i> , 2009, 47, 1836-1843.	0.7	43
56	Optimally Efficient Neural Systems for Processing Spoken Language. <i>Cerebral Cortex</i> , 2014, 24, 908-918.	1.6	43
57	Working Memory after Traumatic Brain Injury: The Neural Basis of Improved Performance with Methylphenidate. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 58.	1.0	41
58	Cingulate control of fronto-temporal integration reflects linguistic demands: A three-way interaction in functional connectivity. <i>NeuroImage</i> , 2005, 28, 115-121.	2.1	40
59	Selective functional integration between anterior temporal and distinct fronto-mesolimbic regions during guilt and indignation. <i>NeuroImage</i> , 2010, 52, 1720-1726.	2.1	40
60	Understanding the relationship between cognitive performance and function in daily life after traumatic brain injury. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021, 92, 407-417.	0.9	40
61	Fluid balance and outcome in critically ill patients with traumatic brain injury (CENTER-TBI and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 20, 627-638.	4.9	40
62	Neural correlates of hot and cold executive functions in polysubstance addiction: Association between neuropsychological performance and resting brain metabolism as measured by positron emission tomography. <i>Psychiatry Research - Neuroimaging</i> , 2012, 203, 214-221.	0.9	39
63	Deficits for Semantics and the Irregular Past Tense: A Causal Relationship?. <i>Journal of Cognitive Neuroscience</i> , 2004, 16, 1159-1172.	1.1	38
64	Dopaminergic brainstem disconnection is common to pharmacological and pathological consciousness perturbation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	38
65	Mechanisms Underlying Disorders of Consciousness: Bridging Gaps to Move Toward an Integrated Translational Science. <i>Neurocritical Care</i> , 2021, 35, 37-54.	1.2	38
66	Fractal dimension of cortical functional connectivity networks & severity of disorders of consciousness. <i>PLoS ONE</i> , 2020, 15, e0223812.	1.1	36
67	Default Mode Network Engagement Beyond Self-Referential Internal Mentation. <i>Brain Connectivity</i> , 2018, 8, 245-253.	0.8	33
68	A comparison of functional and tractography based networks in cerebral small vessel disease. <i>NeuroImage: Clinical</i> , 2018, 18, 425-432.	1.4	33
69	Factoring the brain signatures of anesthesia concentration and level of arousal across individuals. <i>NeuroImage: Clinical</i> , 2015, 9, 385-391.	1.4	32
70	Conceptual Structure Modulates Anteromedial Temporal Involvement in Processing Verbally Presented Object Properties. <i>Cerebral Cortex</i> , 2006, 17, 1066-1073.	1.6	31
71	Neuroanatomical substrates of generalized brain dysfunction in COVID-19. <i>Intensive Care Medicine</i> , 2021, 47, 116-118.	3.9	31
72	Incidence, Risk Factors, and Effects on Outcome of Ventilator-Associated Pneumonia in Patients With Traumatic Brain Injury. <i>Chest</i> , 2020, 158, 2292-2303.	0.4	30

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73	Review. <i>Nutritional Neuroscience</i> , 2003, 6, 325-334.	1.5	29
74	Intrinsic connectivity of the prefrontal cortex and striato-limbic system respectively differentiate major depressive from generalized anxiety disorder. <i>Neuropsychopharmacology</i> , 2021, 46, 791-798.	2.8	29
75	Brain network integration dynamics are associated with loss and recovery of consciousness induced by sevoflurane. <i>Human Brain Mapping</i> , 2021, 42, 2802-2822.	1.9	29
76	Depression following traumatic brain injury: A functional connectivity perspective. <i>Brain Injury</i> , 2016, 30, 1319-1328.	0.6	27
77	Spectral Diversity in Default Mode Network Connectivity Reflects Behavioral State. <i>Journal of Cognitive Neuroscience</i> , 2018, 30, 526-539.	1.1	24
78	Higher-order sensorimotor circuit of the brain's global network supports human consciousness. <i>NeuroImage</i> , 2021, 231, 117850.	2.1	23
79	Whole-brain modelling identifies distinct but convergent paths to unconsciousness in anaesthesia and disorders of consciousness. <i>Communications Biology</i> , 2022, 5, 384.	2.0	23
80	Age-related Neural Reorganization during Spoken Word Recognition: The Interaction of Form and Meaning. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 1434-1446.	1.1	22
81	Anything goes? Regulation of the neural processes underlying response inhibition in TBI patients. <i>European Neuropsychopharmacology</i> , 2017, 27, 159-169.	0.3	20
82	Brain network disintegration during sedation is mediated by the complexity of sparsely connected regions. <i>NeuroImage</i> , 2019, 186, 221-233.	2.1	20
83	Tracheal intubation in traumatic brain injury: a multicentre prospective observational study. <i>British Journal of Anaesthesia</i> , 2020, 125, 505-517.	1.5	19
84	Altered Resting Functional Connectivity Is Related to Cognitive Outcome in Males With Moderate-Severe Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2018, 9, 1163.	1.1	18
85	Preserved fractal character of structural brain networks is associated with covert consciousness after severe brain injury. <i>NeuroImage: Clinical</i> , 2021, 30, 102682.	1.4	18
86	A Precuneal Causal Loop Mediates External and Internal Information Integration in the Human Brain. <i>Journal of Neuroscience</i> , 2021, 41, 9944-9956.	1.7	18
87	Reorganisation of Brain Hubs across Altered States of Consciousness. <i>Scientific Reports</i> , 2020, 10, 3402.	1.6	17
88	$\hat{\Gamma}$ -Oscillation Correlates of Anesthesia-induced Unconsciousness in Large-scale Brain Networks of Human Infants. <i>Anesthesiology</i> , 2019, 131, 1239-1253.	1.3	14
89	Variation in the practice of tracheal intubation in Europe after traumatic brain injury: a prospective cohort study. <i>Anaesthesia</i> , 2020, 75, 45-53.	1.8	14
90	Network dynamics scale with levels of awareness. <i>NeuroImage</i> , 2022, 254, 119128.	2.1	13

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91	What it is like to be a bit: an integrated information decomposition account of emergent mental phenomena. <i>Neuroscience of Consciousness</i> , 2021, 2021, niab027.	1.4	13
92	Dominant hemisphere functional networks compensate for structural connectivity loss to preserve phonological retrieval with aging. <i>Brain and Behavior</i> , 2016, 6, e00495.	1.0	12
93	Structural optimality and neurogenetic expression mediate functional dynamics in the human brain. <i>Human Brain Mapping</i> , 2020, 41, 2229-2243.	1.9	12
94	Methylphenidate-mediated motor control network enhancement in patients with traumatic brain injury. <i>Brain Injury</i> , 2018, 32, 1040-1049.	0.6	10
95	Anterior cingulate and medial prefrontal cortex response to systematically controlled tonal dissonance during passive music listening. <i>Human Brain Mapping</i> , 2020, 41, 46-66.	1.9	10
96	Propofol sedation-induced alterations in brain connectivity reflect parvalbumin interneurone distribution in human cerebral cortex. <i>British Journal of Anaesthesia</i> , 2021, 126, 835-844.	1.5	10
97	Neural correlates of visual memory in patients with diffuse axonal injury. <i>Brain Injury</i> , 2017, 31, 1513-1520.	0.6	9
98	Personalised treatments for traumatic brain injury: cognitive, emotional and motivational targets. <i>Psychological Medicine</i> , 2018, 48, 1397-1399.	2.7	9
99	Ongoing Brain Activity and Its Role in Cognition: Dual versus Baseline Models. <i>Neuroscientist</i> , 2023, 29, 393-420.	2.6	9
100	Spatial Normalization of Lesioned HMPAO-SPECT Images. <i>NeuroImage</i> , 2001, 14, 844-852.	2.1	7
101	The Inert Brain: Explaining Neural Inertia as Post-anaesthetic Sleep Inertia. <i>Frontiers in Neuroscience</i> , 2021, 15, 643871.	1.4	7
102	Neural mechanisms underlying valence inferences to sound: The role of the right angular gyrus. <i>Neuropsychologia</i> , 2017, 102, 144-162.	0.7	6
103	Delta band activity contributes to the identification of command following in disorder of consciousness. <i>Scientific Reports</i> , 2021, 11, 16267.	1.6	6
104	Depressive symptoms following traumatic brain injury are associated with resting-state functional connectivity. <i>Psychological Medicine</i> , 2023, 53, 2698-2705.	2.7	6
105	Analysis of HMPAO SPECT Scans in Head Injury Using Statistical Parametric Mapping. <i>Behavioural Neurology</i> , 2000, 12, 29-37.	1.1	5
106	Bayesian Inference of Task-Based Functional Brain Connectivity Using Markov Chain Monte Carlo Methods. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2016, 10, 1150-1159.	7.3	4
107	Clinical decision-making augmented by simulation training: neural correlates demonstrated by functional imaging: a pilot study. <i>British Journal of Anaesthesia</i> , 2014, 112, 124-132.	1.5	3
108	Tracking changes in functional connectivity of brain networks from resting-state fMRI using particle filters. , 2015, , .		3

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109	Sensory cortical response to uncertainty and low salience during recognition of affective cues in musical intervals. PLoS ONE, 2017, 12, e0175991.	1.1	3
110	The see-saw brain: recovering consciousness after brain injury. Lancet Neurology, The, 2016, 15, 781-782.	4.9	1
111	A Metropolis-within-Gibbs sampler to infer task-based functional brain connectivity. , 2016, , .		1
112	Functional Magnetic Resonance Imaging. , 2014, , .		0
113	Asociación diferencial entre el metabolismo regional de la corteza prefrontal y las estructuras límbicas y el tiempo de abstinencia en individuos dependientes de sustancias. Revista De Psicología De La Salud, 2013, 25, 348.	0.2	0
114	Title is missing!. , 2020, 15, e0223812.		0
115	Title is missing!. , 2020, 15, e0223812.		0
116	Title is missing!. , 2020, 15, e0223812.		0
117	Title is missing!. , 2020, 15, e0223812.		0