

Alan J Pegna

List of Publications by Year in descending order

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120
papers

4,562
citations

136950

32
h-index

114465

63
g-index

130
all docs

130
docs citations

130
times ranked

4048
citing authors

#	ARTICLE	IF	CITATIONS
1	Language Control and Lexical Competition in Bilinguals: An Event-Related fMRI Study. <i>Cerebral Cortex</i> , 2008, 18, 1496-1505.	2.9	327
2	Discriminating emotional faces without primary visual cortices involves the right amygdala. <i>Nature Neuroscience</i> , 2005, 8, 24-25.	14.8	284
3	Electric source imaging of human brain functions. <i>Brain Research Reviews</i> , 2001, 36, 108-118.	9.0	225
4	Cholinergic nucleus basalis neurons are excited by histamine in vitro. <i>Neuroscience</i> , 1995, 69, 495-506.	2.3	205
5	Controlling for interstimulus perceptual variance abolishes N170 face selectivity. <i>Nature Neuroscience</i> , 2007, 10, 505-511.	14.8	199
6	An event-related potential component sensitive to images of the human body. <i>NeuroImage</i> , 2006, 32, 871-879.	4.2	182
7	Variability of fMRI activation during a phonological and semantic language task in healthy subjects. <i>Human Brain Mapping</i> , 2004, 23, 140-155.	3.6	181
8	A pure case of Gerstmann syndrome with a subangular lesion. <i>Brain</i> , 1999, 122, 1107-1120.	7.6	180
9	Intact navigation skills after bilateral loss of striate cortex. <i>Current Biology</i> , 2008, 18, R1128-R1129.	3.9	120
10	Electrophysiological evidence for early non-conscious processing of fearful facial expressions. <i>International Journal of Psychophysiology</i> , 2008, 70, 127-136.	1.0	117
11	Neural correlates of emotion-attention interactions: From perception, learning, and memory to social cognition, individual differences, and training interventions. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 108, 559-601.	6.1	117
12	Noradrenergic Modulation of Cholinergic Nucleus Basalis Neurons Demonstrated by in vitro Pharmacological and Immunohistochemical Evidence in the Guinea-pig Brain. <i>European Journal of Neuroscience</i> , 1995, 7, 1502-1511.	2.6	109
13	Chronic deep brain stimulation in mesial temporal lobe epilepsy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2011, 20, 485-490.	2.0	108
14	So near yet so far: Neglect in far or near space depends on tool use. <i>Annals of Neurology</i> , 2001, 50, 820-822.	5.3	105
15	Unraveling the cerebral dynamics of mental imagery. , 1997, 5, 410-421.		97
16	Amygdala Activation for Eye Contact Despite Complete Cortical Blindness. <i>Journal of Neuroscience</i> , 2013, 33, 10483-10489.	3.6	90
17	Visual recognition of faces, objects, and words using degraded stimuli: Where and when it occurs. <i>Human Brain Mapping</i> , 2004, 22, 300-311.	3.6	82
18	Face-Sensitive Processes One Hundred Milliseconds after Picture Onset. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 93.	2.0	78

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19	Representation of anatomical constraints in motor imagery: Mental rotation of a body segment. <i>Brain and Cognition</i> , 2003, 51, 95-101.	1.8	69
20	Is the N170 sensitive to the human face or to several intertwined perceptual and conceptual factors?. <i>Nature Neuroscience</i> , 2007, 10, 802-803.	14.8	57
21	Affective blindsight relies on low spatial frequencies. <i>Neuropsychologia</i> , 2019, 128, 44-49.	1.6	56
22	Neural processing of illusory and real contours revealed by high-density ERP mapping. <i>NeuroReport</i> , 2002, 13, 965-968.	1.2	55
23	Language selection in bilinguals: A spatio-temporal analysis of electric brain activity. <i>International Journal of Psychophysiology</i> , 2007, 65, 201-213.	1.0	55
24	Group analysis and the subject factor in functional magnetic resonance imaging: Analysis of fifty right-handed healthy subjects in a semantic language task. <i>Human Brain Mapping</i> , 2008, 29, 461-477.	3.6	54
25	Neural correlates of body and face perception following bilateral destruction of the primary visual cortices. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 30.	2.0	51
26	On the Origin of the N400 Effects: An ERP Waveform and Source Localization Analysis in Three Matching Tasks. <i>Brain Topography</i> , 2010, 23, 311-320.	1.8	49
27	Early ERP Modulation for Task-Irrelevant Subliminal Faces. <i>Frontiers in Psychology</i> , 2011, 2, 88.	2.1	46
28	Spatio-temporal analysis of electric brain activity during semantic and phonological word processing. <i>International Journal of Psychophysiology</i> , 1999, 32, 215-231.	1.0	45
29	Seeing the phantom: A functional magnetic resonance imaging study of a supernumerary phantom limb. <i>Annals of Neurology</i> , 2009, 65, 698-705.	5.3	44
30	Visual imagery influences brain responses to visual stimulation in bilateral cortical blindness. <i>Cortex</i> , 2015, 72, 15-26.	2.4	44
31	Processing of semantic categorical and associative relations: an ERP mapping study. <i>International Journal of Psychophysiology</i> , 2003, 49, 41-55.	1.0	40
32	Cerebral processes in mental transformations of body parts: Recognition prior to rotation. <i>Cognitive Brain Research</i> , 2005, 25, 722-734.	3.0	36
33	New insights into the Stroop effect. <i>NeuroReport</i> , 2000, 11, 1849-1855.	1.2	35
34	Pure imagery hemi-neglect of far space. <i>Neurology</i> , 2003, 60, 2000-2002.	1.1	34
35	Rhyme processing in the brain: An ERP mapping study. <i>International Journal of Psychophysiology</i> , 2007, 63, 240-250.	1.0	33
36	Neuropsychological disturbances in frontal lobe epilepsy due to mutated nicotinic receptors. <i>Epilepsy and Behavior</i> , 2009, 14, 354-359.	1.7	33

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37	Is the Right Amygdala Involved in Visuospatial Memory? Evidence from MRI Volumetric Measures. <i>European Neurology</i> , 2002, 47, 148-155.	1.4	32
38	Electrophysiological correlates of affective blindsight. <i>NeuroImage</i> , 2009, 44, 581-589.	4.2	32
39	Dynamics of brain activation during an explicit word and image recognition task: an electrophysiological study. <i>Brain Topography</i> , 2002, 14, 197-213.	1.8	31
40	Hemispheric dominance for melody recognition in musicians and non-musicians. <i>Neuropsychologia</i> , 1995, 33, 395-405.	1.6	30
41	The time course of semantic category processing in the cerebral hemispheres: an electrophysiological study. <i>Cognitive Brain Research</i> , 2001, 10, 251-264.	3.0	30
42	Pure Global Acalculia Following a Left Subangular Lesion. <i>Neurocase</i> , 2003, 9, 319-328.	0.6	27
43	Automatic motor cortex activation for natural as compared to awkward grips of a manipulable object. <i>Experimental Brain Research</i> , 2006, 168, 120-130.	1.5	27
44	Temporal dynamics of awareness for facial identity revealed with ERP. <i>Brain and Cognition</i> , 2009, 69, 296-305.	1.8	26
45	Processing of masked and unmasked emotional faces under different attentional conditions: an electrophysiological investigation. <i>Frontiers in Psychology</i> , 2015, 6, 1691.	2.1	26
46	Speech arrest with stimulation may not reliably predict language deficit after epilepsy surgery. <i>Neurology</i> , 2006, 66, 592-594.	1.1	24
47	Rapid processing of fearful faces relies on the right amygdala: evidence from individuals undergoing unilateral temporal lobectomy. <i>Scientific Reports</i> , 2021, 11, 426.	3.3	24
48	When the brain remembers, but the patient doesn't: Converging fMRI and EEG evidence for covert recognition in a case of prosopagnosia. <i>Cortex</i> , 2011, 47, 825-838.	2.4	22
49	Looming sensitive cortical regions without V1 input: evidence from a patient with bilateral cortical blindness. <i>Frontiers in Integrative Neuroscience</i> , 2015, 9, 51.	2.1	22
50	Comprehensive Postictal Neuropsychology Improves Focus Localization in Epilepsy. <i>European Neurology</i> , 1998, 40, 207-211.	1.4	20
51	Unilateral Dysgraphia of the Dominant Hand in a Left-Hander: A Disruption of Graphic Motor Pattern Selection. <i>Cortex</i> , 1994, 30, 673-683.	2.4	19
52	Body Recognition in a Patient with Bilateral Primary Visual Cortex Lesions. <i>Biological Psychiatry</i> , 2015, 77, e31-e33.	1.3	19
53	Motor Perseverations: A Function of the Side and the Site of a Cerebral Lesion. <i>European Neurology</i> , 1998, 40, 84-90.	1.4	18
54	Electrophysiological evidence of perceived sexual attractiveness for human female bodies varying in waist-to-hip ratio. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2017, 17, 577-591.	2.0	18

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55	Spatial attention shifting to emotional faces is contingent on awareness and task relevancy. <i>Cortex</i> , 2022, 151, 30-48.	2.4	18
56	Semantic Category and Rhyming Processing in the Left and Right Cerebral Hemisphere. <i>Laterality</i> , 2000, 5, 35-53.	1.0	17
57	Transient crossed aphasia evidenced by functional brain imagery. <i>NeuroReport</i> , 2004, 15, 785-790.	1.2	16
58	Clinical Assessment of Motor Function: A Processes Oriented Instrument Based on a Speed-Accuracy Trade-Off Paradigm. <i>Behavioural Neurology</i> , 2007, 18, 19-29.	2.1	16
59	A glimpse into your vision. <i>Human Brain Mapping</i> , 2007, 28, 614-624.	3.6	15
60	Visual search for facial expressions of emotion is less affected in simultanagnosia. <i>Cortex</i> , 2008, 44, 46-53.	2.4	15
61	Early differential sensitivity of evoked-potentials to local and global shape during the perception of three-dimensional objects. <i>Neuropsychologia</i> , 2016, 89, 495-509.	1.6	15
62	Effects of stereoscopic disparity on early ERP components during classification of three-dimensional objects. <i>Quarterly Journal of Experimental Psychology</i> , 2018, 71, 1419-1430.	1.1	15
63	Early and late cortical responses to directly gazing faces are task dependent. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2018, 18, 796-809.	2.0	15
64	Semantically-Triggered Reading Epilepsy: An Experimental Case Study* *This paper was presented orally at the Soci�t� de neuropsychologie de Langue Fran�aise (Geneva, 1996).. <i>Cortex</i> , 1999, 35, 101-111.	2.4	14
65	Basic Instinct Undressed: Early Spatiotemporal Processing for Primary Sexual Characteristics. <i>PLoS ONE</i> , 2013, 8, e69726.	2.5	14
66	Second-language proficiency modulates the brain language control network in bilingual translators: an event-related fMRI study. <i>Bilingualism</i> , 2020, 23, 251-264.	1.3	14
67	Emotional expressions modulate low δ and θ oscillations in a cortically blind patient. <i>International Journal of Psychophysiology</i> , 2013, 90, 358-362.	1.0	13
68	Postictal But Not Interictal Hemispatial Neglect in Patients with Seizures of Lateralized Onset. <i>Epilepsia</i> , 2006, 47, 2046-2051.	5.1	12
69	Opposite ERP effects for conscious and unconscious semantic processing under continuous flash suppression. <i>Consciousness and Cognition</i> , 2017, 54, 114-128.	1.5	12
70	Dissociation between Goal-directed and Discrete Response Localization in a Patient with Bilateral Cortical Blindness. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 1769-1775.	2.3	11
71	Spatial attention shifting to fearful faces depends on visual awareness in attentional blink: An ERP study. <i>Neuropsychologia</i> , 2022, 172, 108283.	1.6	11
72	Attentional Modulation of Early ERP Components in Response to Faces: Evidence From the Attentional Blink Paradigm. <i>Brain Topography</i> , 2012, 25, 167-181.	1.8	10

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73	Assessment of Social Cognition and Theory of Mind: Initial Validation of the Geneva Social Cognition Scale. <i>European Neurology</i> , 2015, 74, 288-295.	1.4	10
74	Attention and prediction modulations in expected and unexpected visuospatial trajectories. <i>PLoS ONE</i> , 2021, 16, e0242753.	2.5	10
75	The selective amobarbital test in the anterior choroidal artery: Perfusion pattern assessed by intraarterial SPECT and prediction of postoperative verbal memory. <i>Epilepsy and Behavior</i> , 2008, 12, 445-455.	1.7	9
76	The effects of stereo disparity on the behavioural and electrophysiological correlates of perception of audio-visual motion in depth. <i>Neuropsychologia</i> , 2015, 78, 51-62.	1.6	9
77	Semantic relatedness and first-second language effects in the bilingual brain: a brain mapping study. <i>Bilingualism</i> , 2016, 19, 311-330.	1.3	9
78	Semantic Category and Rhyming Processing in the Left and Right Cerebral Hemisphere. <i>Laterality</i> , 2000, 5, 35-53.	1.0	9
79	Random motor generation in a finger tapping task: influence of spatial contingency and of cortical and subcortical hemispheric brain lesions. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1997, 63, 654-659.	1.9	8
80	An electrophysiological study of conscious visual perception using progressively degraded stimuli. <i>Journal of Vision</i> , 2010, 10, 10-10.	0.3	8
81	Can postictal memory predict postoperative memory in patients with temporal lobe epilepsy?. <i>Epilepsia</i> , 2012, 53, e170-3.	5.1	8
82	Turning the Face Inversion Effect on Its Head: Violated Expectations of Orientation, Lighting, and Gravity Enhance N170 Amplitudes. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 303-314.	2.3	8
83	Lack of automatic attentional orienting by gaze cues following a bilateral loss of visual cortex. <i>Neuropsychologia</i> , 2014, 58, 75-80.	1.6	7
84	Postoperative memory prognosis in temporal lobe epilepsy surgery: The contribution of postictal memory. <i>Epilepsia</i> , 2019, 60, 1639-1649.	5.1	7
85	Subliminal emotional faces do not capture attention under high attentional load in a randomized trial presentation. <i>Visual Cognition</i> , 2022, 30, 280-288.	1.6	7
86	Ictal agraphia. <i>Neurology</i> , 1998, 50, 542-545.	1.1	6
87	ERP responses greater for faces in the temporal compared to the nasal visual field. <i>Neuroscience Letters</i> , 2018, 665, 7-12.	2.1	6
88	Seeing is believing: Early perceptual brain processes are modified by social feedback. <i>Social Neuroscience</i> , 2019, 14, 519-529.	1.3	6
89	Attention is prioritised for proximate and approaching fearful faces. <i>Cortex</i> , 2021, 134, 52-64.	2.4	6
90	Neural activities during the Processing of unattended and unseen emotional faces: a voxel-wise Meta-analysis. <i>Brain Imaging and Behavior</i> , 0, , .	2.1	6

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91	Naso-Temporal Asymmetries: Suppression of Emotional Faces in the Temporal Visual Hemifield. <i>Frontiers in Neuroscience</i> , 2017, 11, 14.	2.8	5
92	Attention shifting and subliminal cueing under high attentional load: an EEG study using emotional faces. <i>NeuroReport</i> , 2019, 30, 1251-1255.	1.2	5
93	Early sensitivity of evoked potentials to surface and volumetric structure during the visual perception of three-dimensional object shape. <i>European Journal of Neuroscience</i> , 2020, 52, 4453-4467.	2.6	5
94	Waist-to-hip ratio affects female body attractiveness and modulates early brain responses. <i>European Journal of Neuroscience</i> , 2020, 52, 4490-4498.	2.6	5
95	Interindividual differences in brain dynamics of early visual processes: Impact on score accuracy in the mental rotation task. <i>Psychophysiology</i> , 2020, 57, e13658.	2.4	5
96	Interhemispheric transfer evaluation in multiple sclerosis The authors would like to thank Claude-Alain Hauert and Christoph Michel for their assistance in the evaluation of motor tapping and Michel Habib for his suggestions and comments. This work was supported by a grant from the Swiss Society of Multiple Sclerosis.. <i>Swiss Journal of Psychology</i> , 2000, 59, 150-158.	0.9	5
97	Stereo viewing modulates three-dimensional shape processing during object recognition: A high-density ERP study.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2018, 44, 518-534.	0.9	5
98	The Effects of Spatial Attention Focus and Visual Awareness on the Processing of Fearful Faces: An ERP Study. <i>Brain Sciences</i> , 2022, 12, 823.	2.3	5
99	Enhanced early ERP responses to looming angry faces. <i>Biological Psychology</i> , 2022, 170, 108308.	2.2	4
100	Direction of Biological Motion Affects Early Brain Activation: A Link with Social Cognition. <i>PLoS ONE</i> , 2015, 10, e0131551.	2.5	3
101	Personality-Related Determinants of Subtle Cognitive Decline in Old Age: A Population-Based Study. <i>Dementia and Geriatric Cognitive Disorders Extra</i> , 2016, 6, 120-132.	1.3	3
102	Visual patterns of sexual desire. An original and exploratory study in eye-tracking. <i>Sexologies</i> , 2017, 26, e65-e70.	0.8	3
103	Learning to trust a face: The time course of brain activation during a money game. <i>Neuroscience Letters</i> , 2019, 712, 134501.	2.1	3
104	The temporal dynamics of 3D object recognition for mono- and stereo visual displays: An ERP study. <i>Journal of Vision</i> , 2014, 14, 1294-1294.	0.3	3
105	Visual stimuli modulate frontal oscillatory rhythms in a cortically blind patient: Evidence for top-down visual processing. <i>Clinical Neurophysiology</i> , 2017, 128, 770-779.	1.5	2
106	Effects of Transcranial Direct Current Stimulation on effort during a working-memory task. <i>Scientific Reports</i> , 2021, 11, 16399.	3.3	2
107	Increased focal interictal discharges during specific cognitive tasks. <i>Neurocase</i> , 1999, 5, 13-19.	0.6	1
108	fMRI on patients with lesions involving language areas: implications for neurosurgery. <i>NeuroImage</i> , 2001, 13, 836.	4.2	1

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109	Neuropsychological outcome after extra-temporal epilepsy surgery. <i>Acta Neurochirurgica</i> , 2012, 154, 1337-1342.	1.7	1
110	Patterns of electrical brain activation in response to socially-disputed perceptual judgments. <i>NeuroReport</i> , 2019, 30, 1205-1209.	1.2	1
111	Am I really seeing whatâ€™s around me? An ERP study on social anxiety under speech induction, uncertainty and social feedback. <i>Biological Psychology</i> , 2022, 169, 108285.	2.2	1
112	Cognitive and Emotional Determinants of Automatic Perspective Taking in Healthy Adults. <i>Frontiers in Psychology</i> , 2022, 13, 883929.	2.1	1
113	Audiovisual Association Learning in the Absence of Primary Visual Cortex. <i>Frontiers in Human Neuroscience</i> , 2016, 9, 686.	2.0	0
114	Editorial: Where the rubber meets the road in visual perception: High temporalâ€™precision brain signals to topâ€™down and bottomâ€™up influences on perceptual resolution. <i>European Journal of Neuroscience</i> , 2020, 52, 4403-4410.	2.6	0
115	Visual Arabic Word Recognition during Subliminal and Supraliminal Presentations: A Lexical Decision Study in Normal and Disabled Readers. <i>Open Journal of Modern Linguistics</i> , 2021, 11, 361-379.	0.2	0
116	What's so special about the N170? Modulation of N170 by geometric shape attributes of three-dimensional (3D) objects. <i>Journal of Vision</i> , 2010, 9, 71-71.	0.3	0
117	Effects of selective attention on threat-related values of emotional faces with and without awareness. <i>Frontiers in Human Neuroscience</i> , 0, 5, .	2.0	0
118	Brain oscillatory activity related to biologically relevant visual stimuli in a patient with affective blindsight.. <i>Journal of Vision</i> , 2013, 13, 1134-1134.	0.3	0
119	Increased Focal Interictal Discharges During Specific Cognitive Tasks. <i>Neurocase</i> , 1999, 5, 13-19.	0.6	0
120	The time course of three-dimensional object recognition in human vision: An ERP study. <i>Journal of Vision</i> , 2014, 14, 908-908.	0.3	0