Mattie Tops

List of Publications by Year
in descending order

85 papers	4,579 citations	101496 36 h-index	106281 65 g-index
87 all docs	87 docs citations	87 times ranked	5486 citing authors

#	Article	IF	Citations
1	Mental fatigue: Costs and benefits. Brain Research Reviews, 2008, 59, 125-139.	9.1	719
2	Oxytocin Modulates Amygdala, Insula, and Inferior Frontal Gyrus Responses to Infant Crying: A Randomized Controlled Trial. Biological Psychiatry, 2011, 70, 291-297.	0.7	363
3	Caffeine, fatigue, and cognition. Brain and Cognition, 2003, 53, 82-94.	0.8	252
4	Error-related ERP components and individual differences in punishment and reward sensitivity. Brain Research, 2006, 1101, 92-101.	1.1	200
5	No Laughing Matter: Intranasal Oxytocin Administration Changes Functional Brain Connectivity during Exposure to Infant Laughter. Neuropsychopharmacology, 2012, 37, 1257-1266.	2.8	164
6	Anxiety, cortisol, and attachment predict plasma oxytocin. Psychophysiology, 2007, 44, 444-449.	1.2	155
7	A Potential Role of the Inferior Frontal Gyrus and Anterior Insula in Cognitive Control, Brain Rhythms, and Event-Related Potentials. Frontiers in Psychology, 2011, 2, 330.	1.1	143
8	Why social attachment and oxytocin protect against addiction and stress: Insights from the dynamics between ventral and dorsal corticostriatal systems. Pharmacology Biochemistry and Behavior, 2014, 119, 39-48.	1.3	133
9	Individual differences underlying susceptibility to addiction: Role for the endogenous oxytocin system. Pharmacology Biochemistry and Behavior, 2014, 119, 22-38.	1.3	111
10	Oxytocin decreases handgrip force in reaction to infant crying in females without harsh parenting experiences. Social Cognitive and Affective Neuroscience, 2012, 7, 951-957.	1.5	93
11	A theory of social thermoregulation in human primates. Frontiers in Psychology, 2015, 6, 464.	1.1	93
12	Sensitivity to punishment and reward omission: Evidence from error-related ERP components. Biological Psychology, 2008, 79, 185-192.	1.1	88
13	Task engagement and the relationships between the error-related negativity, agreeableness, behavioral shame proneness and cortisol. Psychoneuroendocrinology, 2006, 31, 847-858.	1.3	86
14	State of the art on targeted memory reactivation: Sleep your way to enhanced cognition. Sleep Medicine Reviews, 2017, 32, 123-131.	3.8	84
15	Oxytocin effects on complex brain networks are moderated by experiences of maternal love withdrawal. European Neuropsychopharmacology, 2013, 23, 1288-1295.	0.3	83
16	Mindfulness, Resilience, and Burnout Subtypes in Primary Care Physicians: The Possible Mediating Role of Positive and Negative Affect. Frontiers in Psychology, 2015, 6, 1895.	1.1	81
17	Slow Life History Strategies and Slow Updating of Internal Models: The Examples of Conscientiousness and Obsessive-Compulsive Disorder. Psychological Inquiry, 2014, 25, 376-384.	0.4	77
18	Serotonin: Modulator of a drive to withdraw. Brain and Cognition, 2009, 71, 427-436.	0.8	76

#	Article	IF	Citations
19	Four decades of research on alexithymia: moving toward clinical applications. Frontiers in Psychology, 2013, 4, 861.	1.1	71
20	Absorbed in the task: Personality measures predict engagement during task performance as tracked by error negativity and asymmetrical frontal activity. Cognitive, Affective and Behavioral Neuroscience, 2010, 10, 441-453.	1.0	69
21	The Impact of Oxytocin Administration on Charitable Donating is Moderated by Experiences of Parental Love-Withdrawal. Frontiers in Psychology, 2011, 2, 258.	1.1	69
22	Rejection sensitivity relates to hypocortisolism and depressed mood state in young women. Psychoneuroendocrinology, 2008, 33, 551-559.	1.3	68
23	Internally directed cognition and mindfulness: an integrative perspective derived from predictive and reactive control systems theory. Frontiers in Psychology, 2014, 5, 429.	1.1	64
24	Acute cortisol effects on immediate free recall and recognition of nouns depend on stimulus valence. Psychophysiology, 2003, 40, 167-173.	1.2	62
25	Acute cortisol administration modulates EEG alpha asymmetry in volunteers: relevance to depression. Biological Psychology, 2005, 69, 181-193.	1.1	59
26	Does a single session of reading literary fiction prime enhanced mentalising performance? Four replication experiments of Kidd and Castano (2013). Cognition and Emotion, 2018, 32, 130-144.	1.2	57
27	Cortisol involvement in mechanisms of behavioral inhibition. Psychophysiology, 2011, 48, 723-732.	1.2	54
28	Toward a radically embodied neuroscience of attachment and relationships. Frontiers in Human Neuroscience, 2015, 9, 266.	1.0	45
29	Free recall of pleasant words from recency positions is especially sensitive to acute administration of cortisol. Psychoneuroendocrinology, 2004, 29, 327-338.	1.3	43
30	Oxytocin Receptor Gene Associated with the Efficiency of Social Auditory Processing. Frontiers in Psychiatry, 2011, 2, 60.	1.3	43
31	The role of oxytocin in familiarization-habituation responses to social novelty. Frontiers in Psychology, 2013, 4, 761.	1.1	42
32	Relative frontal brain asymmetry and cortisol release after social stress: The role of action orientation. Biological Psychology, 2016, 115, 86-93.	1.1	42
33	State-dependent regulation of cortical activity by cortisol: An EEG study. Neuroscience Letters, 2006, 404, 39-43.	1.0	41
34	The Psychobiology of Burnout: Are There Two Different Syndromes?. Neuropsychobiology, 2007, 55, 143-150.	0.9	41
35	Large-scale neural networks and the lateralization of motivation and emotion. International Journal of Psychophysiology, 2017, 119, 41-49.	0.5	41
36	The impact of oxytocin administration and maternal love withdrawal on event-related potential (ERP) responses to emotional faces with performance feedback. Hormones and Behavior, 2013, 63, 399-410.	1.0	38

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37	The Dynamics of Personality Approach (DPA): 20 Tenets for Uncovering the Causal Mechanisms of Personality. European Journal of Personality, 2020, 34, 947-968.	1.9	37
38	Individual differences in emotional expressivity predict oxytocin responses to cortisol administration: Relevance to breast cancer?. Biological Psychology, 2007, 75, 119-123.	1.1	33
39	Asymmetric frontal brain activity and parental rejection predict altruistic behavior: Moderation of oxytocin effects. Cognitive, Affective and Behavioral Neuroscience, 2012, 12, 382-392.	1.0	33
40	Brain substrates of behavioral programs associated with self-regulation. Frontiers in Psychology, 2010, 1, 152.	1.1	32
41	Go with the flow: A neuroscientific view on being fully engaged. European Journal of Neuroscience, 2021, 53, 947-963.	1.2	32
42	Love withdrawal is related to heightened processing of faces with emotional expressions and incongruent emotional feedback: Evidence from ERPs. Biological Psychology, 2011, 86, 307-313.	1.1	31
43	Salivary levels of oxytocin remain elevated for more than two hours after intranasal oxytocin administration. Neuroendocrinology Letters, 2012, 33, 21-5.	0.2	31
44	Acute cortisol administration reduces subjective fatigue in healthy women. Psychophysiology, 2006, 43, 653-656.	1.2	27
45	Effects of attachment-based compassion therapy (ABCT) on brain-derived neurotrophic factor and low-grade inflammation among fibromyalgia patients: A randomized controlled trial. Scientific Reports, 2019, 9, 15639.	1.6	23
46	Neuroticism, recall bias and attention bias for valenced probes: a twin study. Psychological Medicine, 2009, 39, 45-54.	2.7	21
47	Oxytocin: Envy or Engagement in Others?. Biological Psychiatry, 2010, 67, e5-e6.	0.7	20
48	The Pe of Perfectionism. Journal of Psychophysiology, 2013, 27, 84-94.	0.3	19
49	Cortisol-Induced Increases of Plasma Oxytocin Levels Predict Decreased Immediate Free Recall of Unpleasant Words. Frontiers in Psychiatry, 2012, 3, 43.	1.3	17
50	Integration of negative experiences: A neuropsychological framework for human resilience. Behavioral and Brain Sciences, 2015, 38, e116.	0.4	17
51	Individual Differences in Asymmetric Resting-State Frontal Cortical Activity Modulate ERPs and Performance in a Global-Local Attention Task. Journal of Psychophysiology, 2012, 26, 51-62.	0.3	17
52	Modulation of rotational behavior in healthy volunteers by cortisol administration. Biological Psychology, 2006, 71, 240-243.	1.1	16
53	â€œWhatâ€™s that?â€•â€œWhat Went Wrong?â€•Positive and Negative Surprise and the Rostralâ€“Ventral to Caudalâ€“Dorsal Functional Gradient in the Brain. Frontiers in Psychology, 2012, 3, 21.	1.1	16
54	Getting lost in a story: how narrative engagement emerges from narrative perspective and individual differences in alexithymia. Cognition and Emotion, 2021, 35, 576-588.	1.2	15

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55	The role of oxytocin and alexithymia in the therapeutic process. Frontiers in Psychology, 2014, 5, 1074.	1.1	14
56	Life history strategy and stress: An effect of stressful life events, coping strategies, or both?. Personality and Individual Differences, 2018, 135, 277-285.	1.6	14
57	The Neuroscience of the Flow State: Involvement of the Locus Coeruleus Norepinephrine System. Frontiers in Psychology, 2021, 12, 645498.	1.1	14
58	Posing for success: Clenching a fist facilitates approach. Psychonomic Bulletin and Review, 2006, 13, 229-234.	1.4	13
59	Social anxiety and the cortisol response to social evaluation in children and adolescents. Psychoneuroendocrinology, 2017, 78, 159-167.	1.3	13
60	Personality, Stress, and Intuition: Emotion Regulation Abilities Moderate the Effect of Stress-Dependent Cortisol Increase on Coherence Judgments. Frontiers in Psychology, 2020, 11, 339.	1.1	13
61	Mindfulness-Based Program Plus Amygdala and Insula Retraining (MAIR) for the Treatment of Women with Fibromyalgia: A Pilot Randomized Controlled Trial. Journal of Clinical Medicine, 2020, 9, 3246.	1.0	11
62	Possible involvement of oxytocin in modulating the stress response in lactating dairy cows. Frontiers in Psychology, 2014, 5, 951.	1.1	10
63	Effects of simulated interpersonal touch and trait intrinsic motivation on the error-related negativity. Neuroscience Letters, 2016, 617, 134-138.	1.0	10
64	Subjective effort derives from a neurological monitor of performance costs and physiological resources. Behavioral and Brain Sciences, 2013, 36, 703-704.	0.4	9
65	Protective Inhibition of Self-Regulation and Motivation: Extending a Classic Pavlovian Principle to Social and Personality Functioning. , 2015, , 69-85.		9
66	A Theory of Social Thermoregulation in Human Primates. SSRN Electronic Journal, 0, , .	0.4	8
67	Bored but not depleted: PRotective Inhibition of Self-regulation and Motivation (PRISM). Cortex, 2017, 96, 130-133.	1.1	6
68	Too Much of a Good Thing: A Neuro-Dynamic Personality Model Explaining Engagement and Its Protective Inhibition. Advances in Motivation and Achievement: A Research Annual, 2016, , 283-319.	0.3	5
69	Perceptual Sensitivity and Response to Strong Stimuli Are Related. Frontiers in Psychology, 2017, 8, 1642.	1.1	5
70	Toward a Radically Embodied Neuroscience of Attachment and Relationships?. SSRN Electronic Journal, 0, , .	0.4	5
71	Re: â€œThe effect of cortisol on emotional responses depends on order of cortisol and placebo administration in a within-subject designâ€•by Wirth et al.. Psychoneuroendocrinology, 2011, 36, 1097-1098.	1.3	4
72	Are the insular cortex and cortisol implicated in Parkinsonian features?. Parkinsonism and Related Disorders, 2006, 12, 467-471.	1.1	3

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73	Doubts about actions and flanker incongruity-related potentials and performance. Neuroscience Letters, 2012, 516, 130-134.	1.0	3
74	Internally-Directed Cognition and Mindfulness: An Integrative Perspective Derived from Reactive versus Predictive Control Systems Theory. SSRN Electronic Journal, 0, , .	0.4	3
75	An Updated Update to Personality and Error Monitoring. Frontiers in Human Neuroscience, 2012, 6, 283.	1.0	2
76	Envy: The biochemical substrates. Biochemist, 2013, 35, 26-32.	0.2	2
77	Aggression, predictability of the environment, and self-regulation: Reconciliation with animal research. Behavioral and Brain Sciences, 2017, 40, e97.	0.4	1
78	Within-subject effects and the social habituation function of oxytocin. Hormones and Behavior, 2017, 96, 1.	1.0	1
79	Commentary: Intranasal Oxytocin Treatment Increases Eye-Gaze Behavior toward the Owner in Ancient Japanese Dog Breeds. Frontiers in Psychology, 2018, 9, 1473.	1.1	1
80	Personality dynamics in the brain: Individual differences in updating of representations and their phylogenetic roots. , 2021, , 125-154.		1
81	A role of serotonin and the insula in vigor: Tracking environmental and physiological resources. Behavioral and Brain Sciences, 2021, 44, e136.	0.4	1
82	Overlapping neural systems underlying â€œincentive hopeâ€•and apprehension. Behavioral and Brain Sciences, 2019, 42, e54.	0.4	1
83	Oxytocin and the familiarization-habituation response. Psychoneuroendocrinology, 2014, 45, 211.	1.3	0
84	Intranasal oxytocin administration engenders blocked vasopressin homeostatic responses but no salivary vasopressin increases. Peptides, 2015, 74, 70-71.	1.2	0
85	Data on simulated interpersonal touch, individual differences and the error-related negativity. Data in Brief, 2016, 7, 1327-1330.	0.5	0