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| **Supplementary Table S2:** Rejected papers for ALE meta-analyses and narrative review |
| **Study name** | **Authors** | **Year** | **Rejection Reason** |
| Brain structures activated by overt and covert emotional visual stimuli. | Sabatini | 2009 | Participants conditioned to stimuli |
| [Target visibility and visual awareness modulate amygdala responses to fearful faces.](https://pubmed.ncbi.nlm.nih.gov/15930371/)  | Pessoa | 2006 | Participants conditioned to stimuli |
| Implicitly and explicitly assessed anxiety: No relationships with recognition of and brain response to facial emotions.  | Suslow  | 2019 | Participants conditioned to stimuli |
| [Amygdala excitability to subliminally presented emotional faces distinguishes unipolar and bipolar depression: an fMRI and pattern classification study.](https://pubmed.ncbi.nlm.nih.gov/24038516/)  | Grotegerd  | 2014 | No within contrasts |
| [Amygdala Reactivity to Emotional Faces in the Prediction of General and Medication-Specific Responses to Antidepressant Treatment in the Randomized iSPOT-D Trial.](https://pubmed.ncbi.nlm.nih.gov/25824424/)  | Williams  | 2015 | No within contrasts |
| [Amygdala Activation and Connectivity to Emotional Processing Distinguishes Asymptomatic Patients With Bipolar Disorders and Unipolar Depression.](https://pubmed.ncbi.nlm.nih.gov/30343134/)  | Korgaonkar  | 2019 | No within contrasts |
| Distinct neural mechanisms of emotional processing in prolonged grief disorder.  | Bryant  | 2021 | No within contrasts |
| [Using standardized fMRI protocols to identify patterns of prefrontal circuit dysregulation that are common and specific to cognitive and emotional tasks in major depressive disorder: first wave results from the iSPOT-D study.](https://pubmed.ncbi.nlm.nih.gov/23303059/)  | Korgaonkar  | 2013 | No within contrasts |
| [Hypervigilance for fear after basolateral amygdala damage in humans.](https://pubmed.ncbi.nlm.nih.gov/22832959/)  | Terburg | 2012 | No coordinates reported  |
| Behavioral and neural correlates of visual emotion discrimination and empathy in mild cognitive impairment.  | Pernigo | 2015 | No coordinates for faces  |
| Real-Time Functional Magnetic Resonance Imaging Amygdala Neurofeedback Changes Positive Information Processing in Major Depressive Disorder.  | Young | 2017 | No coordinates for baseline |
| [Changes in the neural correlates of implicit emotional face processing during antidepressant treatment in major depressive disorder.](https://pubmed.ncbi.nlm.nih.gov/23809145/)  | Victor et al. | 2013 | No baseline pre-treatment coordinates given |
| [Emotional intelligence is associated with reduced insula responses to masked angry faces.](https://pubmed.ncbi.nlm.nih.gov/26053697/)  | Alkozei & Killgore | 2015 | Correlation |
| [Mood-congruent amygdala responses to subliminally presented facial expressions in major depression: associations with anhedonia.](https://pubmed.ncbi.nlm.nih.gov/23171695/)  | Stuhrmann  | 2013 | no comparison to neutral  |
| [Masked presentations of emotional facial expressions modulate amygdala activity without explicit knowledge.](https://pubmed.ncbi.nlm.nih.gov/9412517/)  | Whalen  | 1998 | no comparison to neutral  |
| [Amygdala activation to masked happy facial expressions.](https://pubmed.ncbi.nlm.nih.gov/19958569/)  | Juruena  | 2010 | no comparison to neutral  |
| [Emotion specific modulation of automatic amygdala responses by 5-HTTLPR genotype.](https://pubmed.ncbi.nlm.nih.gov/19962442/)  | Dannlowski et al. | 2010 | no comparison to neutral  |
| [Preliminary report on the association between pulvinar volume and the ability to detect backward-masked facial features.](https://pubmed.ncbi.nlm.nih.gov/29097112/)  | Kim | 2019 | Eye whites pooled with facial expressions.  |
| Amygdala activation and facial expressions: explicit emotion discrimination versus implicit emotion processing.  | Habel | 2007 | No subliminal masking |
| Facial expression primes and implicit regulation of negative emotion.  | Yoon | 2015 | No subliminal masking |
| Proactive engagement of cognitive control modulates implicit approach-avoidance bias.  | Harlé | 2020 | No subliminal masking |
| An event related functional magnetic resonance imaging study of facial emotion processing in Asperger syndrome.  | Deeley  | 2007 | No subliminal masking |
| Age-related differences in brain activity during implicit and explicit processing of fearful facial expressions.  | Zsoldos | 2016 | No subliminal masking |
| Affective blindsight relies on low spatial frequencies.  | Burra | 2019 | No subliminal masking |
| Facial fear processing and psychotic symptoms in schizophrenia: functional magnetic resonance imaging study.  | Michalopoulou  | 2008 | No subliminal masking |
| Functional similarity of facial emotion processing between people with a first episode of psychosis and healthy subjects.  | Villalta-Gil | 2013 | No subliminal masking |
| Neural circuitry of emotion regulation: Effects of appraisal, attention, and cortisol administration.  | Ma | 2017 | No subliminal masking |
| Cerebral differences in explicit and implicit emotional processing--an fMRI study.  | Scheuerecker | 2007 | No subliminal masking |
| Differential Modulation of Effective Connectivity in the Brain's Extended Face Processing System by Fearful and Sad Facial Expressions.  | Jamieson  | 2021 | No subliminal masking |
| Psychopathy and functional magnetic resonance imaging blood oxygenation level-dependent responses to emotional faces in violent patients with schizophrenia.  | Dolan  | 2009 | No subliminal masking |
| Dissociable brain correlates for depression, anxiety, dissociation, and somatization in depersonalization-derealization disorder.  | Lemche | 2016 | No subliminal masking |
| Attenuated responses to emotional expressions in women with generalized anxiety disorder.  | Palm | 2011 | No subliminal masking |
| Affect and neural activity in women with PTSD during a task of emotional interference.  | Brown  | 2016 | No subliminal masking |
| Cognitive vulnerability and implicit emotional processing: imbalance in frontolimbic brain areas?  | Groenewold | 2015 | No subliminal masking |
| Visual cortical regions show sufficient test-retest reliability while salience regions are unreliable during emotional face processing.  | McDermott  | 2020 | No subliminal masking |
| Neural correlates of anxiety sensitivity in panic disorder: A functional magnetic resonance imaging study.  | Poletti | 2015 | No subliminal masking |
| Dissociable patterns of medial prefrontal and amygdala activity to face identity versus emotion in bipolar disorder.  | Keener | 2012 | No subliminal masking |
| Neural basis of implicit memory for socio-emotional information in schizophrenia.  | Schwartz | 2013 | No subliminal masking |
| Neuronal correlates of emotional processing in patients with major depression.  | Frodl  | 2009 | No subliminal masking |
| Blunted neural response to implicit negative facial affect in anorexia nervosa.  | Leppanen | 2017 | No subliminal masking |
| Effect of task conditions on brain responses to threatening faces in social phobics: an event-related functional magnetic resonance imaging study.  | Straube | 2004 | No subliminal masking |
| Explicit and implicit neural mechanisms for processing of social information from facial expressions: a functional magnetic resonance imaging study.  | Critchley | 2000 | No subliminal masking |
| Functional neural correlates of emotional expression processing deficits in behavioural variant frontotemporal dementia.  | Virani | 2013 | No subliminal masking |
| Cerebral and autonomic responses to emotional facial expressions in depersonalisation disorder.  | Lemche | 2008 | No subliminal masking |
| Effect of specific psychotherapy for chronic depression on neural responses to emotional faces.  | Klein | 2014 | No subliminal masking |
| Amygdala hypersensitivity in response to emotional faces in Tourette's patients.  | Neuner | 2010 | No subliminal masking |
| Temporal unpredictability of a stimulus sequence and the processing of neutral and emotional stimuli.  | Koppe | 2015 | No subliminal masking |
| Increased BOLD signal in the fusiform gyrus during implicit emotion processing in anorexia nervosa.  | Fonville | 2013 | No subliminal masking |
| Influence of Familial Risk for Depression on Cortico-Limbic Connectivity During Implicit Emotional Processing.  | Wackerhagen  | 2017 | No subliminal masking |
| Prefrontal cortical response to emotional faces in individuals with major depressive disorder in remission.  | Kerestes | 2012 | No subliminal masking |
| Neural responses associated with positive and negative emotion processing in patients with left versus right temporal lobe epilepsy.  | Batut  | 2006 | No subliminal masking |
| Developmental differences in neuronal engagement during implicit encoding of emotional faces: an event-related fMRI study.  | Nelson | 2003 | No subliminal masking |

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