

## Key word search: 1585

Web of Science: 617

PubMed: 225

Scopus: 489

IEEE: 244

Duplicates: 1214

Unique articles: 771

**Excluded by title: 468**

- 1) Non-hybrid
- 2) Estimation
- 3) Assessment
- 4) Imaging & detection
- 5) Other EEG-related algorithms
- 6) Rehabilitation & therapy
- 7) FES
- 8) Invasive devices
- 9) Hardware development

Title filtered: 303

**Excluded by abstract: 153**

- 1) Multi-modal system
- 2) Hybrid classifiers
- 3) Optimal channel selection
- 4) Framework development
- 5) Signal identification
- 6) No participants

Abstract filtered: 150

**Excluded by text: 108**

- 1) Invalid hBCI
- 2) Invalid performance metrics
- 3) Online trials, no online results
- 4) Mismatched results
- 5) Not suitable for control
- 6) Irreplicable

Analysed: 42